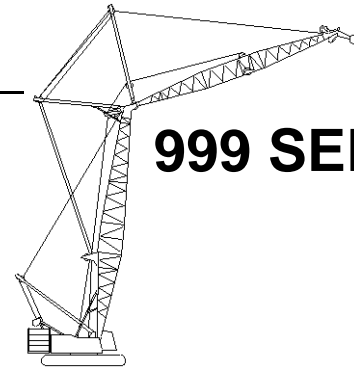




Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom angles, luffing jib lengths and intermediate fall operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*). Capacities indicated by (b) require 1 180 kg minimum block weight.

Consult Luffing Jib Raising Procedure chart **No. 8422-A** for Maximum Number of Lower Boom Point Sheaves (Layout Jack-Knife Method table, column A).

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and intermediate fall is considered part of intermediate fall load. 1 770 kg suspended beneath luffing jib point sheaves has been included in capacity determination. Boom and luffing jib are not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS: Machine to operate on a firm uniformly supporting surface with gantry up and bearing turntable level within a tolerance of 13 mm in 3m and properly supported. During operation, boom must be maintained at one of the selected angles shown in chart. Refer to luffing jib assembly **No. A01031**, Wire Rope Specification chart **No. 8357-A** and Luffing Jib Raising Procedure chart **No. 8422-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface with boom and luffing jib within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8360-A**.

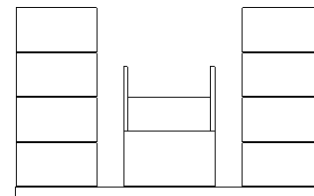
OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle is angle between horizontal and centerline of boom butt and inserts. Luffing jib angle is angle between horizontal and centerline of luffing jib butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

INTERMEDIATE FALL ELEVATION: Intermediate fall elevation is vertical distance from ground level to centerline of intermediate fall shaft.

MACHINE EQUIPMENT: Machine equipped with 8 585 mm crawlers, 1 219 mm treads, 3 124 mm retractable gantry, 9 144 mm live mast, 20 part boom hoist reeving, boom support straps, 9 part luffing jib hoist reeving, luffing jib straps, two 38 mm luffing jib backstay pendants, 83 730 kg crane counterweight and two 9 980 kg carbody counterweights.

Consult chart **No. 8416-AM** for luffing jib capacities. Consult chart **No. 8361-AM** for lifting off lower boom point with luffing jib attached. Consult chart **No. 8367-AM** for intermediate fall capacities with fixed jib attached.

Fixed jib No. 134 must be removed before use of this chart.



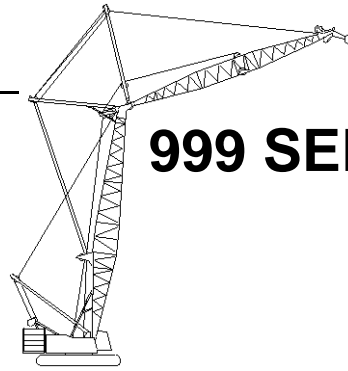
83 730 kg Crane Counterweight
8 Side Boxes - 1 Center Box

Boom Catwalks Deduct

Deduct 150 kg from capacities
when boom catwalks are attached.



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

24.4m (80 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

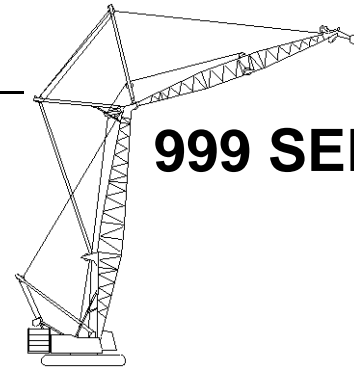
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	56.2	36.5	16 400*	61.1	37.0	19 200*b													10.7
11.0	54.2	36.2	15 700*	59.2	36.8	18 200*b													11.0
12.0	47.9	35.3	13 400*	53.3	36.1	15 300*													12.0
13.0	40.7	34.2	11 500*	46.8	35.1	12 900*	54.9	36.1	16 100*										13.0
14.0				39.5	33.9	11 300*	48.6	35.2	13 500*	56.5	36.1	16 700*							14.0
15.0				30.5	32.3	9 900*	41.5	34.1	11 700*	50.3	35.3	14 200*							15.0
16.0							33.1	32.7	10 300*	43.5	34.2	12 100*	56.8	35.6	17 100*b				16.0
17.0										35.5	32.9	10 600*	50.7	34.8	14 300*				17.0
18.0										25.1	30.9	9 300*	43.9	33.8	12 300*				18.0
19.0													36.0	32.4	10 700*	50.8	34.1	14 600*	19.0
20.0																44.0	33.1	12 400*	20.0
21.0																36.1	31.8	10 800*	21.0

24.4m (80 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	64.8	37.5	18 500*b																9.1
10.0	60.1	37.0	15 800*																10.0
11.0	54.2	36.2	12 900*	59.2	36.8	15 300*	66.2	37.4	20 100*b										11.0
12.0	47.9	35.3	11 000*	53.3	36.1	12 700*	60.7	36.8	16 100*										12.0
13.0	40.7	34.2	9 500*	46.8	35.1	10 700*	54.9	36.1	13 200*	62.2	36.8	17 200*							13.0
14.0				39.5	33.9	9 300*	48.6	35.2	11 300*	56.5	36.1	13 900*							14.0
15.0				30.5	32.3	8 100*	41.5	34.1	9 700*	50.3	35.3	11 700*							15.0
16.0							33.1	32.7	8 400*	43.5	34.2	10 100*	56.8	35.6	14 300*				16.0
17.0										35.5	32.9	8 800*	50.7	34.8	11 900*				17.0
18.0										25.1	30.9	7 600*	43.9	33.8	10 200*				18.0
19.0													36.0	32.4	8 800*	50.8	34.1	12 100*	19.0
20.0																44.0	33.1	10 300*	20.0
21.0																36.1	31.8	8 900*	21.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

24.4m (80 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

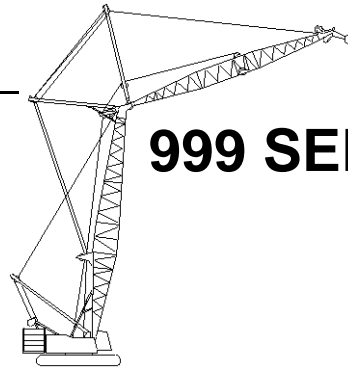
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
9.1	64.8	37.5	16 500*																9.1
10.0	60.1	37.0	14 000*																10.0
11.0	54.2	36.2	11 400*	59.2	36.8	13 500*	66.2	37.4	17 800*										11.0
12.0	47.9	35.3	9 600*	53.3	36.1	11 200*	60.7	36.8	14 200*										12.0
13.0	40.7	34.2	8 300*	46.8	35.1	9 400*	54.9	36.1	11 600*	62.2	36.8	15 200*							13.0
14.0				39.5	33.9	8 100*	48.6	35.2	9 900*	56.5	36.1	12 200*							14.0
15.0				30.5	32.3	7 000*	41.5	34.1	8 400*	50.3	35.3	10 300*							15.0
16.0							33.1	32.7	7 300*	43.5	34.2	8 800*	56.8	35.6	12 600*				16.0
17.0										35.5	32.9	7 600*	50.7	34.8	10 400*				17.0
18.0										25.1	30.9	6 600*	43.9	33.8	8 900*				18.0
19.0													36.0	32.4	7 700*	50.8	34.1	10 600*	19.0
20.0																44.0	33.1	8 900*	20.0
21.0																36.1	31.8	7 700*	21.0

24.4m (80 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
9.1	70.2	40.8	23 700*																9.1
10.0	66.7	40.5	20 200*																10.0
11.0	62.4	39.9	16 500*	66.0	40.3	19 500*													11.0
12.0	57.9	39.3	14 000*	61.7	39.8	16 200*													12.0
13.0	53.2	38.5	12 100*	57.2	39.1	13 700*	62.9	39.8	17 100*										13.0
14.0	48.1	37.7	10 600*	52.4	38.4	11 800*	58.4	39.1	14 300*	64.0	39.7	17 800*							14.0
15.0	42.5	36.6	9 300*	47.3	37.4	10 400*	53.7	38.4	12 300*	59.6	39.1	15 000*							15.0
16.0	36.2	35.2	8 200*	41.6	36.3	9 100*	48.7	37.5	10 700*	55.0	38.4	12 800*							16.0
17.0				35.2	34.9	8 100*	43.2	36.5	9 500*	50.0	37.6	11 100*	59.9	38.6	15 200*				17.0
18.0				27.3	33.1	7 200*	37.0	35.2	8 400*	44.7	36.5	9 800*	55.3	37.9	13 100*				18.0
19.0							29.6	33.5	7 500*	38.7	35.3	8 600*	50.4	37.1	11 300*				19.0
20.0										31.7	33.8	7 700*	45.0	36.1	9 900*	55.3	37.2	13 100*	20.0
21.0										22.6	31.6	6 800*	39.1	34.9	8 700*	50.4	36.4	11 400*	21.0
22.0													32.2	33.4	7 700*	45.1	35.4	9 900*	22.0
23.0																39.2	34.2	8 800*	23.0
24.0																32.3	32.7	7 800*	24.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

24.4m (80 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

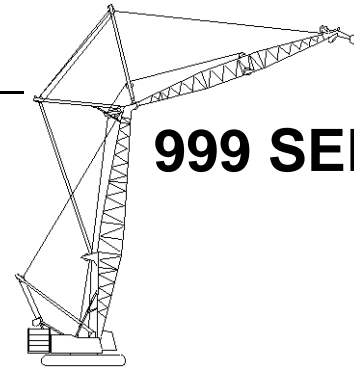
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
7.6	72.7	38.2	22 800*b																7.6
8.0	70.8	38.0	21 000*b																8.0
9.0	65.6	37.6	16 100*																9.0
10.0	60.1	37.0	12 700*	64.8	37.4	15 800*													10.0
11.0	54.2	36.2	10 700*	59.2	36.8	12 500*	66.2	37.4	16 600*										11.0
12.0	47.9	35.3	9 100*	53.3	36.1	10 400*	60.7	36.8	13 400*										12.0
13.0	40.7	34.2	7 900*	46.8	35.1	8 900*	54.9	36.1	10 900*	62.2	36.8	14 200*							13.0
14.0				39.5	33.9	7 700*	48.6	35.2	9 300*	56.5	36.1	11 500*							14.0
15.0				30.5	32.3	6 700*	41.5	34.1	8 000*	50.3	35.3	9 700*							15.0
16.0							33.1	32.7	7 000*	43.5	34.2	8 300*	56.8	35.6	11 900*				16.0
17.0										35.5	32.9	7 200*	50.7	34.8	9 800*				17.0
18.0										25.1	30.9	6 300*	43.9	33.8	8 400*				18.0
19.0													36.0	32.4	7 300*	50.8	34.1	10 000*	19.0
20.0																44.0	33.1	8 500*	20.0
21.0																36.1	31.8	7 300*	21.0

24.4m (80 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	70.2	40.8	21 400*	73.7	41.1	26 300*													9.1
10.0	66.7	40.5	18 200*	70.2	40.8	21 900*													10.0
11.0	62.4	39.9	14 800*	66.0	40.3	17 200*													11.0
12.0	57.9	39.3	12 600*	61.7	39.8	14 400*													12.0
13.0	53.2	38.5	10 800*	57.2	39.1	12 300*	62.9	39.8	15 400*										13.0
14.0	48.1	37.7	9 500*	52.4	38.4	10 700*	58.4	39.1	12 800*	64.0	39.7	16 100*							14.0
15.0	42.5	36.6	8 300*	47.3	37.4	9 300*	53.7	38.4	11 000*	59.6	39.1	13 500*							15.0
16.0	36.2	35.2	7 400*	41.6	36.3	8 200*	48.7	37.5	9 600*	55.0	38.4	11 500*							16.0
17.0				35.2	34.9	7 300*	43.2	36.5	8 500*	50.0	37.6	10 000*	59.9	38.6	13 700*				17.0
18.0				27.3	33.1	6 500*	37.0	35.2	7 500*	44.7	36.5	8 800*	55.3	37.9	11 800*				18.0
19.0							29.6	33.5	6 700*	38.7	35.3	7 700*	50.4	37.1	10 100*				19.0
20.0										31.7	33.8	6 900*	45.0	36.1	8 900*	55.3	37.2	11 700*	20.0
21.0										22.6	31.6	6 100*	49.1	34.9	7 800*	50.4	36.4	10 200*	21.0
22.0													32.2	33.4	6 900*	45.1	35.4	8 900*	22.0
23.0																39.2	34.2	7 900*	23.0
24.0																32.3	32.7	7 000*	24.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

24.4m (80 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

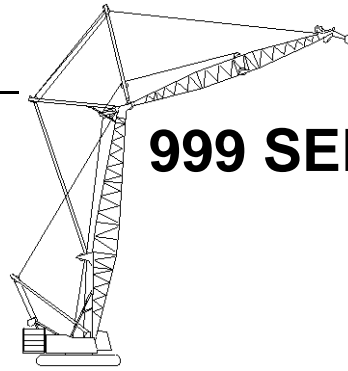
Int. Fall Oper. Rad. m	88 Degree Boom Angle				86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall		Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.																
9.1	73.7	44.1	26 700*																	9.1
10.0	70.8	43.8	22 900*																	10.0
11.0	67.4	43.4	18 700*	70.3	43.7	22 200*														11.0
12.0	63.9	42.9	15 900*	66.9	43.2	18 500*														12.0
13.0	60.2	42.3	13 700*	63.3	42.7	15 600*	67.8	43.2	19 500*											13.0
14.0	56.4	41.6	12 000*	59.7	42.1	13 500*	64.3	42.7	16 300*											14.0
15.0	52.5	40.8	10 600*	55.9	41.4	11 900*	60.7	42.1	14 000*											15.0
16.0	48.3	40.0	9 400*	51.8	40.6	10 500*	56.9	41.5	12 300*	61.6	42.1	14 800*								16.0
17.0	43.7	38.9	8 400*	47.6	39.7	9 300*	52.9	40.7	10 800*	57.9	41.4	12 700*								17.0
18.0	38.7	37.7	7 600*	43.0	38.7	8 300*	48.8	39.8	9 600*	54.0	40.7	11 200*								18.0
19.0	33.1	36.2	6 900*	37.9	37.4	7 500*	44.3	38.8	8 600*	49.9	39.9	9 900*	58.1	40.9	13 000*					19.0
20.0				32.1	35.9	6 800*	39.3	37.6	7 700*	45.4	38.9	8 900*	54.2	40.2	11 300*					20.0
21.0				25.1	33.9	6 100*	33.8	36.2	6 900*	40.6	37.7	7 900*	50.1	39.4	10 000*					21.0
22.0							27.1	34.3	6 300*	35.3	36.3	7 100*	45.7	38.4	8 900*	54.3	39.5	11 400*		22.0
23.0										29.0	34.6	6 500*	41.0	37.3	8 000*	50.2	38.7	10 100*		23.0
24.0										20.9	32.2	5 800*	35.6	35.9	7 200*	45.8	37.7	9 000*		24.0
25.0													29.4	34.2	6 600*	41.0	36.6	8 100*		25.0
26.0																35.7	35.2	7 300*		26.0
27.0																29.5	33.5	6 600*		27.0

24.4m (80 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle				86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall		Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.																
10.7	71.8	46.8	25 900*																	10.7
11.0	70.8	46.7	24 700*																	11.0
12.0	67.9	46.2	20 900*																	12.0
13.0	64.9	45.8	17 900*	67.5	46.1	20 600*														13.0
14.0	61.8	45.2	15 800*	64.5	45.6	17 700*	68.2	46.1	21 400*											14.0
15.0	58.7	44.6	13 900*	61.4	45.1	15 500*	65.3	45.6	18 500*											15.0
16.0	55.4	43.9	12 400*	58.2	44.5	13 700*	62.2	45.1	16 100*											16.0
17.0	52.0	43.1	11 100*	54.9	43.7	12 300*	59.1	44.5	14 200*	63.0	45.0	16 700*								17.0
18.0	48.4	42.3	10 000*	51.4	42.9	11 000*	55.8	43.8	12 600*	59.9	44.4	14 800*								18.0
19.0	44.5	41.2	9 100*	47.8	42.0	9 900*	52.4	43.0	11 300*	56.6	43.7	13 000*								19.0
20.0	40.4	40.1	8 300*	43.9	41.0	9 000*	48.8	42.1	10 200*	53.3	43.0	11 700*	60.1	43.9	14 900*					20.0
21.0	35.8	38.7	7 500*	39.7	39.8	8 200*	45.0	41.1	9 300*	49.7	42.2	10 500*	56.8	43.3	13 200*					21.0
22.0	30.7	37.1	6 900*	35.1	38.4	7 500*	40.9	40.0	8 400*	46.0	41.2	9 500*	53.5	42.5	11 800*					22.0
23.0				29.8	36.7	6 800*	36.4	38.7	7 700*	42.0	40.1	8 600*	50.0	41.7	10 600*	56.9	42.6	13 300*		23.0
24.0				23.4	34.6	6 200*	31.3	37.1	7 000*	37.6	38.8	7 900*	46.2	40.7	9 600*	53.5	41.8	11 900*		24.0
25.0							25.3	35.1	6 400*	32.7	37.3	7 200*	42.2	39.6	8 700*	50.0	41.0	10 700*		25.0
26.0										26.9	35.4	6 600*	37.9	38.4	8 000*	46.3	40.0	9 700*		26.0
27.0										19.6	32.9	6 000*	33.0	36.9	7 300*	42.3	39.0	8 800*		27.0
28.0													27.3	35.0	6 600*	37.9	37.7	8 000*		28.0
29.0																33.1	36.2	7 300*		29.0
30.0																27.4	34.4	6 700*		30.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

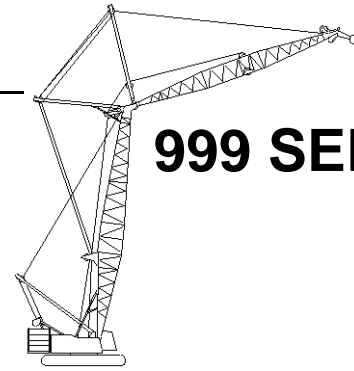
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

24.4m (80 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	74.2	50.0	26 700*																10.7
11.0	73.3	49.9	26 200*																11.0
12.0	70.8	49.5	24 700*																12.0
13.0	68.3	49.1	22 300*	70.4	49.4	24 300*													13.0
14.0	65.7	48.7	19 200*	67.9	49.0	21 400*													14.0
15.0	63.0	48.2	17 000*	65.3	48.5	18 900*													15.0
16.0	60.3	47.6	15 200*	62.6	48.0	16 700*	66.0	48.5	19 600*										16.0
17.0	57.5	46.9	13 700*	59.9	47.4	15 000*	63.3	48.0	17 300*	66.7	48.4	20 200*							17.0
18.0	54.6	46.2	12 400*	57.1	46.8	13 500*	60.6	47.4	15 500*	64.0	47.9	17 900*							18.0
19.0	51.6	45.4	11 300*	54.2	46.1	12 300*	57.8	46.8	13 900*	61.3	47.4	15 900*							19.0
20.0	48.4	44.6	10 300*	51.1	45.2	11 100*	54.9	46.1	12 600*	58.6	46.7	14 400*							20.0
21.0	45.1	43.6	9 400*	48.0	44.3	10 200*	52.0	45.3	11 400*	55.7	46.1	13 000*							21.0
22.0	41.6	42.4	8 700*	44.6	43.3	9 300*	48.8	44.4	10 500*	52.7	45.3	11 800*	58.7	46.3	14 600*				22.0
23.0	37.8	41.2	8 000*	41.0	42.2	8 600*	45.5	43.5	9 600*	49.6	44.4	10 700*	55.9	45.6	13 100*				23.0
24.0	33.5	39.7	7 300*	37.1	40.9	7 900*	42.0	42.4	8 800*	46.4	43.5	9 800*	52.9	44.8	11 900*				24.0
25.0	28.8	37.9	6 800*	32.9	39.4	7 300*	38.2	41.1	8 100*	42.9	42.4	9 000*	49.8	44.0	10 900*	55.9	44.9	13 200*	25.0
26.0				28.0	37.6	6 700*	34.1	39.7	7 500*	39.2	41.2	8 300*	46.6	43.0	9 900*	53.0	44.1	12 000*	26.0
27.0				22.1	35.3	6 200*	29.4	37.9	6 900*	35.2	39.8	7 700*	43.2	42.0	9 100*	49.9	43.3	10 900*	27.0
28.0							23.8	35.8	6 400*	30.6	38.2	7 100*	39.5	40.8	8 400*	46.6	42.4	10 000*	28.0
29.0										25.3	36.2	6 500*	35.4	39.4	7 700*	43.2	41.3	9 200*	29.0
30.0										18.6	33.5	6 000*	30.9	37.8	7 100*	39.5	40.1	8 400*	30.0
31.0													25.7	35.8	6 600*	35.5	38.7	7 800*	31.0
32.0													19.1	33.2	6 100*	31.0	37.1	7 200*	32.0
33.0																25.8	35.1	6 700*	33.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

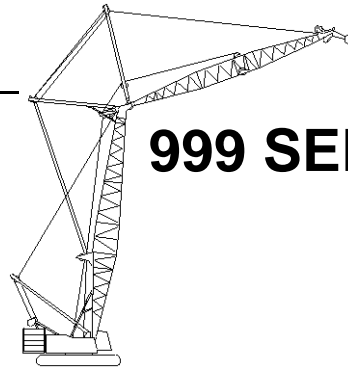
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

24.4m (80 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	76.0	53.2	26 700*																10.7
11.0	75.2	53.1	26 700*																11.0
12.0	73.1	52.8	26 700*																12.0
13.0	70.8	52.4	25 900*																13.0
14.0	68.6	52.0	24 600*	70.5	52.3	26 100*													14.0
15.0	66.3	51.6	22 000*	68.2	51.9	23 900*													15.0
16.0	63.9	51.1	19 600*	65.9	51.4	21 600*	68.8	51.8	24 800*										16.0
17.0	61.5	50.5	17 700*	63.6	50.9	19 300*	66.5	51.4	22 200*										17.0
18.0	59.1	49.9	16 000*	61.2	50.4	17 400*	64.2	50.9	19 900*										18.0
19.0	56.6	49.3	14 600*	58.7	49.8	15 800*	61.8	50.4	18 000*	64.8	50.8	20 600*							19.0
20.0	54.0	48.5	13 400*	56.2	49.1	14 500*	59.4	49.8	16 300*	62.4	50.3	18 500*							20.0
21.0	51.3	47.7	12 300*	53.6	48.4	13 300*	56.9	49.1	14 900*	60.0	49.7	16 800*							21.0
22.0	48.5	46.9	11 300*	50.9	47.5	12 200*	54.3	48.4	13 600*	57.5	49.1	15 300*							22.0
23.0	45.6	45.9	10 400*	48.1	46.6	11 200*	51.6	47.6	12 500*	55.0	48.4	14 000*	60.2	49.2	16 900*				23.0
24.0	42.5	44.8	9 700*	45.1	45.7	10 400*	48.8	46.7	11 500*	52.3	47.6	12 800*	57.7	48.6	15 500*				24.0
25.0	39.2	43.6	9 000*	42.0	44.6	9 600*	45.9	45.8	10 700*	49.6	46.7	11 800*	55.1	47.9	14 100*				25.0
26.0	35.6	42.2	8 300*	38.7	43.3	8 900*	42.8	44.7	9 900*	46.7	45.8	10 900*	52.5	47.1	13 000*	57.7	47.9	15 500*	26.0
27.0	31.7	40.6	7 700*	35.0	41.9	8 300*	39.6	43.5	9 100*	43.7	44.8	10 100*	49.7	46.3	12 000*	55.2	47.2	14 200*	27.0
28.0	27.2	38.8	7 200*	31.1	40.3	7 700*	36.0	42.2	8 500*	40.4	43.6	9 400*	46.9	45.4	11 000*	52.5	46.4	13 100*	28.0
29.0				26.5	38.4	7 100*	32.2	40.6	7 900*	37.0	42.3	8 700*	43.9	44.3	10 200*	49.8	45.6	12 000*	29.0
30.0				21.0	35.9	6 700*	27.8	38.8	7 300*	33.2	40.8	8 100*	40.7	43.2	9 500*	46.9	44.7	11 100*	30.0
31.0							22.6	36.5	6 800*	29.0	39.0	7 500*	37.2	41.9	8 800*	43.9	43.6	10 300*	31.0
32.0							15.7	33.4	6 300*	24.0	36.9	7 000*	33.5	40.4	8 200*	40.7	42.5	9 500*	32.0
33.0										17.8	34.1	6 500*	29.3	38.6	7 600*	37.2	41.2	8 800*	33.0
34.0													24.4	36.5	7 100*	33.5	39.7	8 200*	34.0
35.0													18.2	33.8	6 600*	29.3	38.0	7 700*	35.0
36.0																24.4	35.9	7 100*	36.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

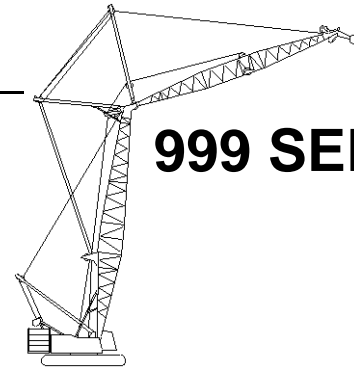
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

24.4m (80 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	74.2	50.0	26 700*																10.7
11.0	73.3	49.9	25 800*																11.0
12.0	70.8	49.5	23 100*																12.0
13.0	68.3	49.1	20 300*	70.4	49.4	23 000*													13.0
14.0	65.7	48.7	17 700*	67.9	49.0	19 800*													14.0
15.0	63.0	48.2	15 700*	65.3	48.5	17 400*													15.0
16.0	60.3	47.6	14 000*	62.6	48.0	15 500*	66.0	48.5	18 200*										16.0
17.0	57.5	46.9	12 700*	59.9	47.4	13 900*	63.3	48.0	16 000*	66.7	48.4	18 700*							17.0
18.0	54.6	46.2	11 400*	57.1	46.8	12 500*	60.6	47.4	14 300*	64.0	47.9	16 600*							18.0
19.0	51.6	45.4	10 400*	54.2	46.1	11 300*	57.8	46.8	12 900*	61.3	47.4	14 700*							19.0
20.0	48.4	44.6	9 500*	51.1	45.2	10 300*	54.9	46.1	11 700*	58.6	46.7	13 200*							20.0
21.0	45.1	43.6	8 700*	48.0	44.3	9 400*	52.0	45.3	10 600*	55.7	46.1	12 000*							21.0
22.0	41.6	42.4	8 000*	44.6	43.3	8 600*	48.8	44.4	9 600*	52.7	45.3	10 900*	58.7	46.3	13 500*				22.0
23.0	37.8	41.2	7 300*	41.0	42.2	7 900*	45.5	43.5	8 800*	49.6	44.4	9 900*	55.9	45.6	12 100*				23.0
24.0	33.5	39.7	6 700*	37.1	40.9	7 200*	42.0	42.4	8 100*	46.4	43.5	9 100*	52.9	44.8	11 000*				24.0
25.0	28.8	37.9	6 200*	32.9	39.4	6 700*	38.2	41.1	7 500*	42.9	42.4	8 300*	49.8	44.0	10 000*	55.9	44.9	12 200*	25.0
26.0				28.0	37.6	6 200*	34.1	39.7	6 900*	39.2	41.2	7 600*	46.6	43.0	9 200*	53.0	44.1	11 100*	26.0
27.0				22.1	35.3	5 700*	29.4	37.9	6 300*	35.2	39.8	7 000*	43.2	42.0	8 400*	49.9	43.3	10 100*	27.0
28.0							23.8	35.8	5 800*	30.6	38.2	6 500*	39.5	40.8	7 700*	46.6	42.4	9 200*	28.0
29.0										25.3	36.2	6 000*	35.4	39.4	7 100*	43.2	41.3	8 500*	29.0
30.0										18.6	33.5	5 600*	30.9	37.8	6 600*	39.5	40.1	7 800*	30.0
31.0													25.7	35.8	6 100*	35.5	38.7	7 200*	31.0
32.0													19.1	33.2	5 600*	31.0	37.1	6 600*	32.0
33.0																25.8	35.1	6 100*	33.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

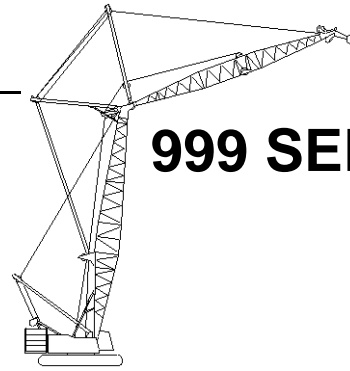
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

24.4m (80 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	76.0	53.2	26 700*																10.7
11.0	75.2	53.1	26 700*																11.0
12.0	73.1	52.8	26 700*																12.0
13.0	70.8	52.4	24 900*																13.0
14.0	68.6	52.0	22 600*	70.5	52.3	25 100*													14.0
15.0	66.3	51.6	20 100*	68.2	51.9	22 200*													15.0
16.0	63.9	51.1	17 900*	65.9	51.4	19 700*	68.8	51.8	23 000*										16.0
17.0	61.5	50.5	16 200*	63.6	50.9	17 700*	66.5	51.4	20 300*										17.0
18.0	59.1	49.9	14 700*	61.2	50.4	16 000*	64.2	50.9	18 200*										18.0
19.0	56.6	49.3	13 400*	58.7	49.8	14 500*	61.8	50.4	16 400*	64.8	50.8	18 900*							19.0
20.0	54.0	48.5	12 200*	56.2	49.1	13 200*	59.4	49.8	15 000*	62.4	50.3	16 900*							20.0
21.0	51.3	47.7	11 200*	53.6	48.4	12 100*	56.9	49.1	13 600*	60.0	49.7	15 400*							21.0
22.0	48.5	46.9	10 300*	50.9	47.5	11 100*	54.3	48.4	12 400*	57.5	49.1	14 000*							22.0
23.0	45.6	45.9	9 500*	48.1	46.6	10 300*	51.6	47.6	11 400*	55.0	48.4	12 800*	60.2	49.2	15 500*				23.0
24.0	42.5	44.8	8 800*	45.1	45.7	9 400*	48.8	46.7	10 500*	52.3	47.6	11 800*	57.7	48.6	14 200*				24.0
25.0	39.2	43.6	8 200*	42.0	44.6	8 700*	45.9	45.8	9 700*	49.6	46.7	10 800*	55.1	47.9	12 900*				25.0
26.0	35.6	42.2	7 600*	38.7	43.3	8 100*	42.8	44.7	9 000*	46.7	45.8	9 900*	52.5	47.1	11 900*	57.7	47.9	14 200*	26.0
27.0	31.7	40.6	7 000*	35.0	41.9	7 500*	39.6	43.5	8 300*	43.7	44.8	9 200*	49.7	46.3	10 900*	55.2	47.2	13 000*	27.0
28.0	27.2	38.8	6 500*	31.1	40.3	7 000*	36.0	42.2	7 700*	40.4	43.6	8 500*	46.9	45.4	10 100*	52.5	46.4	11 900*	28.0
29.0				26.5	38.4	6 500*	32.2	40.6	7 200*	37.0	42.3	7 900*	43.9	44.3	9 300*	49.8	45.6	11 000*	29.0
30.0				21.0	35.9	6 100*	27.8	38.8	6 700*	33.2	40.8	7 400*	40.7	43.2	8 600*	46.9	44.7	10 100*	30.0
31.0							22.6	36.5	6 200*	29.0	39.0	6 800*	37.2	41.9	8 000*	43.9	43.6	9 400*	31.0
32.0							15.7	33.4	5 800*	24.0	36.9	6 300*	33.5	40.4	7 400*	40.7	42.5	8 700*	32.0
33.0										17.8	34.1	5 900*	29.3	38.6	6 900*	37.2	41.2	8 100*	33.0
34.0													24.4	36.5	6 400*	33.5	39.7	7 500*	34.0
35.0													18.2	33.8	6 000*	29.3	38.0	7 000*	35.0
36.0																24.4	35.9	6 500*	36.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

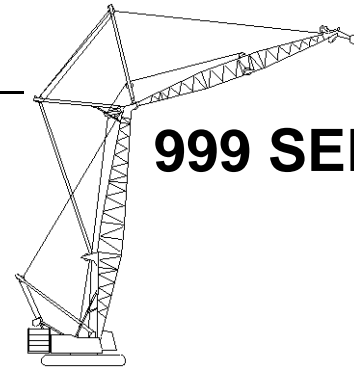
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

24.4m (80 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	74.2	50.0	26 600*																10.7
11.0	73.3	49.9	25 300*																11.0
12.0	70.8	49.5	21 600*																12.0
13.0	68.3	49.1	18 600*	70.4	49.4	21 300*													13.0
14.0	65.7	48.7	16 400*	67.9	49.0	18 300*													14.0
15.0	63.0	48.2	14 500*	65.3	48.5	16 100*													15.0
16.0	60.3	47.6	13 000*	62.6	48.0	14 300*	66.0	48.5	16 800*										16.0
17.0	57.5	46.9	11 700*	59.9	47.4	12 800*	63.3	48.0	14 800*	66.7	48.4	17 400*							17.0
18.0	54.6	46.2	10 600*	57.1	46.8	11 500*	60.6	47.4	13 200*	64.0	47.9	15 400*							18.0
19.0	51.6	45.4	9 600*	54.2	46.1	10 400*	57.8	46.8	11 900*	61.3	47.4	13 600*							19.0
20.0	48.4	44.6	8 700*	51.1	45.2	9 500*	54.9	46.1	10 800*	58.6	46.7	12 300*							20.0
21.0	45.1	43.6	8 000*	48.0	44.3	8 600*	52.0	45.3	9 800*	55.7	46.1	11 100*							21.0
22.0	41.6	42.4	7 300*	44.6	43.3	7 900*	48.8	44.4	8 900*	52.7	45.3	10 100*	58.7	46.3	12 500*				22.0
23.0	37.8	41.2	6 700*	41.0	42.2	7 300*	45.5	43.5	8 100*	49.6	44.4	9 200*	55.9	45.6	11 200*				23.0
24.0	33.5	39.7	6 200*	37.1	40.9	6 700*	42.0	42.4	7 500*	46.4	43.5	8 400*	52.9	44.8	10 200*				24.0
25.0	28.8	37.9	5 700*	32.9	39.4	6 200*	38.2	41.1	6 900*	42.9	42.4	7 700*	49.8	44.0	9 300*	55.9	44.9	11 300*	25.0
26.0				28.0	37.6	5 700*	34.1	39.7	6 300*	39.2	41.2	7 100*	46.6	43.0	8 500*	53.0	44.1	10 200*	26.0
27.0				22.1	35.3	5 200*	29.4	37.9	5 800*	35.2	39.8	6 500*	43.2	42.0	7 800*	49.9	43.3	9 300*	27.0
28.0							23.8	35.8	5 400*	30.6	38.2	6 000*	39.5	40.8	7 100*	46.6	42.4	8 500*	28.0
29.0										25.3	36.2	5 600*	35.4	39.4	6 600*	43.2	41.3	7 800*	29.0
30.0										18.6	33.5	5 100*	30.9	37.8	6 100*	39.5	40.1	7 200*	30.0
31.0													25.7	35.8	5 600*	35.5	38.7	6 600*	31.0
32.0													19.1	33.2	5 200*	31.0	37.1	6 100*	32.0
33.0																25.8	35.1	5 700*	33.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

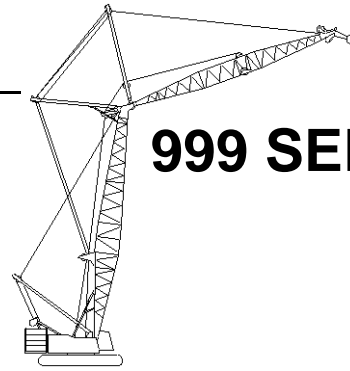
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

24.4m (80 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	76.0	53.2	26 700*																10.7
11.0	75.2	53.1	26 600*																11.0
12.0	73.1	52.8	26 300*																12.0
13.0	70.8	52.4	24 300*																13.0
14.0	68.6	52.0	20 700*	70.5	52.3	23 200*													14.0
15.0	66.3	51.6	18 400*	68.2	51.9	20 500*													15.0
16.0	63.9	51.1	16 500*	65.9	51.4	18 100*	68.8	51.8	21 200*										16.0
17.0	61.5	50.5	14 900*	63.6	50.9	16 300*	66.5	51.4	18 800*										17.0
18.0	59.1	49.9	13 500*	61.2	50.4	14 700*	64.2	50.9	16 800*										18.0
19.0	56.6	49.3	12 300*	58.7	49.8	13 300*	61.8	50.4	15 200*	64.8	50.8	17 400*							19.0
20.0	54.0	48.5	11 200*	56.2	49.1	12 200*	59.4	49.8	13 800*	62.4	50.3	15 600*							20.0
21.0	51.3	47.7	10 300*	53.6	48.4	11 100*	56.9	49.1	12 500*	60.0	49.7	14 100*							21.0
22.0	48.5	46.9	9 500*	50.9	47.5	10 200*	54.3	48.4	11 500*	57.5	49.1	12 900*							22.0
23.0	45.6	45.9	8 700*	48.1	46.6	9 400*	51.6	47.6	10 500*	55.0	48.4	11 800*	60.2	49.2	14 300*				23.0
24.0	42.5	44.8	8 100*	45.1	45.7	8 700*	48.8	46.7	9 700*	52.3	47.6	10 800*	57.7	48.6	13 000*				24.0
25.0	39.2	43.6	7 500*	42.0	44.6	8 000*	45.9	45.8	8 900*	49.6	46.7	9 900*	55.1	47.9	11 900*				25.0
26.0	35.6	42.2	6 900*	38.7	43.3	7 400*	42.8	44.7	8 200*	46.7	45.8	9 100*	52.5	47.1	10 900*	57.7	47.9	13 100*	26.0
27.0	31.7	40.6	6 400*	35.0	41.9	6 900*	39.6	43.5	7 600*	43.7	44.8	8 400*	49.7	46.3	10 100*	55.2	47.2	12 000*	27.0
28.0	27.2	38.8	6 000*	31.1	40.3	6 400*	36.0	42.2	7 100*	40.4	43.6	7 800*	46.9	45.4	9 300*	52.5	46.4	11 000*	28.0
29.0				26.5	38.4	6 000*	32.2	40.6	6 600*	37.0	42.3	7 300*	43.9	44.3	8 600*	49.8	45.6	10 100*	29.0
30.0				21.0	35.9	5 500*	27.8	38.8	6 100*	33.2	40.8	6 800*	40.7	43.2	7 900*	46.9	44.7	9 300*	30.0
31.0							22.6	36.5	5 700*	29.0	39.0	6 300*	37.2	41.9	7 400*	43.9	43.6	8 600*	31.0
32.0							15.7	33.4	5 300*	24.0	36.9	5 800*	33.5	40.4	6 800*	40.7	42.5	8 000*	32.0
33.0										17.8	34.1	5 400*	29.3	38.6	6 400*	37.2	41.2	7 400*	33.0
34.0													24.4	36.5	5 900*	33.5	39.7	6 900*	34.0
35.0													18.2	33.8	5 500*	29.3	38.0	6 400*	35.0
36.0																24.4	35.9	6 000*	36.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

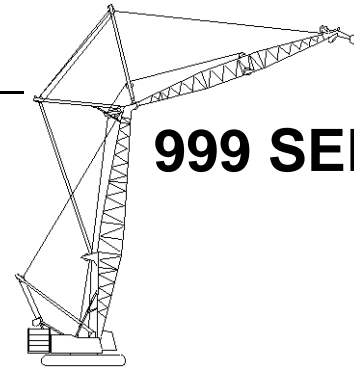
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

24.4m (80 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	74.4	55.9	26 700*																12.2
13.0	72.8	55.6	25 400*																13.0
14.0	70.8	55.3	23 600*	72.5	55.5	25 700*													14.0
15.0	68.8	54.9	21 400*	70.5	55.2	23 200*													15.0
16.0	66.7	54.5	19 300*	68.5	54.8	20 900*													16.0
17.0	64.7	54.0	17 500*	66.4	54.3	19 100*	69.0	54.7	21 600*										17.0
18.0	62.5	53.5	15 900*	64.3	53.8	17 300*	67.0	54.3	19 600*										18.0
19.0	60.4	52.9	14 500*	62.2	53.3	15 700*	64.9	53.8	17 800*										19.0
20.0	58.1	52.3	13 200*	60.0	52.7	14 400*	62.8	53.3	16 100*	65.4	53.7	18 300*							20.0
21.0	55.8	51.6	12 200*	57.8	52.1	13 200*	60.6	52.7	14 700*	63.3	53.2	16 600*							21.0
22.0	53.5	50.9	11 300*	55.5	51.4	12 100*	58.4	52.1	13 500*	61.2	52.7	15 100*							22.0
23.0	51.1	50.0	10 400*	53.1	50.7	11 200*	56.1	51.4	12 500*	59.0	52.1	13 900*							23.0
24.0	48.6	49.2	9 600*	50.7	49.8	10 300*	53.8	50.7	11 500*	56.7	51.4	12 800*							24.0
25.0	45.9	48.2	9 000*	48.2	49.0	9 600*	51.4	49.9	10 600*	54.4	50.7	11 800*	59.1	51.6	14 100*				25.0
26.0	43.2	47.1	8 300*	45.5	48.0	8 900*	48.9	49.0	9 900*	52.0	49.9	10 900*	56.9	50.9	12 900*				26.0
27.0	40.3	46.0	7 800*	42.8	46.9	8 300*	46.2	48.1	9 100*	49.5	49.0	10 100*	54.5	50.2	11 900*				27.0
28.0	37.2	44.7	7 200*	39.8	45.7	7 700*	43.5	47.0	8 500*	46.9	48.1	9 400*	52.1	49.4	11 000*				28.0
29.0	33.8	43.2	6 700*	36.7	44.4	7 200*	40.6	45.9	7 900*	44.2	47.1	8 700*	49.7	48.6	10 200*	54.6	49.5	12 000*	29.0
30.0	30.1	41.5	6 300*	33.3	42.9	6 700*	37.6	44.6	7 400*	41.4	46.0	8 100*	47.1	47.7	9 500*	52.2	48.7	11 100*	30.0
31.0	26.0	39.5	5 900*	29.5	41.2	6 300*	34.2	43.1	6 900*	38.4	44.7	7 600*	44.4	46.6	8 800*	49.7	47.9	10 300*	31.0
32.0	21.0	37.1	5 500*	25.3	39.1	5 800*	30.6	41.5	6 400*	35.1	43.3	7 100*	41.6	45.5	8 300*	47.1	47.0	9 600*	32.0
33.0				20.1	36.6	5 500*	26.5	39.6	6 000*	31.6	41.7	6 600*	38.6	44.3	7 700*	44.4	46.0	8 800	33.0
34.0							21.6	37.2	5 600*	27.6	39.9	6 200*	35.3	42.9	7 100*	41.6	44.8	8 100	34.0
35.0							15.2	33.9	5 300*	23.0	37.6	5 800*	31.8	41.3	6 700*	38.6	43.6	7 300	35.0
36.0										17.1	34.7	5 300*	27.9	39.5	6 300*	35.4	42.2	6 600	36.0
37.0													23.3	37.3	5 900*	31.8	40.6	6 000	37.0
38.0													17.5	34.4	5 500*	27.9	38.8	5 300	38.0
39.0																23.3	36.6	4 700	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

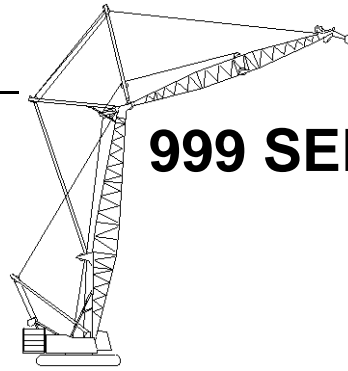
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

24.4m (80 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	75.9	59.1	26 700*																12.2
13.0	74.4	58.8	25 000*																13.0
14.0	72.6	58.5	22 900*																14.0
15.0	70.8	58.2	20 700*																15.0
16.0	69.0	57.8	18 700*	70.6	58.1	20 400*													16.0
17.0	67.1	57.4	17 100*	68.7	57.7	18 500*													17.0
18.0	65.2	56.9	15 700*	66.8	57.2	16 900*													18.0
19.0	63.3	56.4	14 400*	64.9	56.8	15 500*	67.3	57.2	17 400*										19.0
20.0	61.4	55.8	13 300*	63.0	56.2	14 200*	65.5	56.7	15 800*										20.0
21.0	59.4	55.2	12 300*	61.1	55.7	13 200*	63.5	56.2	14 600*										21.0
22.0	57.3	54.6	11 400*	59.1	55.1	12 200*	61.6	55.7	13 500*	64.0	56.1	14 900*							22.0
23.0	55.2	53.9	10 600*	57.0	54.4	11 300*	59.6	55.1	12 500*	62.1	55.6	13 700*							23.0
24.0	53.1	53.2	9 800*	54.9	53.7	10 500*	57.6	54.5	11 600*	60.1	55.0	12 700*							24.0
25.0	50.9	52.3	9 100*	52.8	53.0	9 700*	55.5	53.8	10 700*	58.1	54.4	11 800*							25.0
26.0	48.6	51.5	8 400*	50.5	52.1	9 000*	53.3	53.0	10 000*	56.0	53.7	10 900*	60.2	54.5	12 700*				26.0
27.0	46.2	50.5	7 700*	48.2	51.3	8 300*	51.1	52.2	9 300*	53.9	53.0	10 200*	58.2	53.9	11 800*				27.0
28.0	43.7	49.5	7 200*	45.9	50.3	7 700*	48.9	51.3	8 600*	51.7	52.2	9 500*	56.2	53.2	11 000*				28.0
29.0	41.2	48.3	6 600*	43.4	49.2	7 100*	46.5	50.4	7 900*	49.5	51.3	8 800*	54.0	52.5	10 200*				29.0
30.0	38.4	47.1	6 100*	40.7	48.1	6 600*	44.0	49.4	7 300*	47.1	50.4	8 200*	51.9	51.7	9 500*				30.0
31.0	35.5	45.7	5 700*	38.0	46.8	6 100*	41.5	48.2	6 800*	44.7	49.4	7 500*	49.6	50.9	8 900*	54.1	51.8	10 200*	31.0
32.0	32.3	44.1	5 300*	35.0	45.4	5 700*	38.7	47.0	6 300*	42.1	48.3	7 000*	47.3	50.0	8 300*	51.9	51.0	9 500*	32.0
33.0	28.8	42.4	4 900*	31.8	43.8	5 200*	35.8	45.6	5 800*	39.5	47.1	6 500*	44.8	49.0	7 700*	49.6	50.2	8 900	33.0
34.0	24.9	40.3	4 500*	28.3	42.0	4 900*	32.7	44.1	5 400*	36.6	45.8	6 000*	42.3	47.9	7 100*	47.3	49.3	8 300	34.0
35.0	20.2	37.7	4 200*	24.2	39.9	4 500*	29.3	42.4	5 000*	33.5	44.3	5 600*	39.6	46.7	6 600*	44.9	48.3	7 500	35.0
36.0				19.4	37.2	3 900*	25.4	40.3	4 600*	30.2	42.6	5 200*	36.8	45.3	6 100*	42.3	47.2	6 800	36.0
37.0							20.8	37.8	4 200*	26.4	40.7	4 800*	33.7	43.9	5 700*	39.7	46.0	6 200	37.0
38.0							14.8	34.5	3 500*	22.1	38.3	4 400*	30.4	42.2	5 300*	36.8	44.7	5 500	38.0
39.0										16.6	35.3	3 700*	26.7	40.3	4 900*	33.8	43.2	5 000	39.0
40.0													22.4	38.0	4 500*	30.4	41.5	4 400	40.0
42.0																22.4	37.3	3 400	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

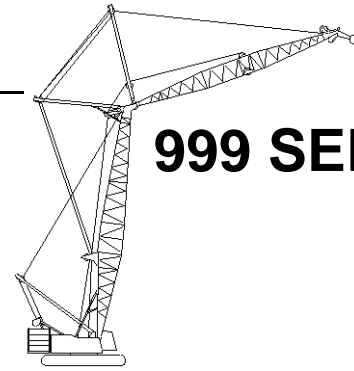
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

24.4m (80 Ft.) Boom, 70.1m (230 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
13.7	74.6	61.8	25 600*																13.7
14.0	74.1	61.7	24 900*																14.0
15.0	72.5	61.4	22 600*																15.0
16.0	70.8	61.1	20 600*	72.2	61.3	22 300*													16.0
17.0	69.1	60.7	18 900*	70.6	60.9	20 300*													17.0
18.0	67.4	60.3	17 400*	68.9	60.5	18 700*													18.0
19.0	65.7	59.8	16 100*	67.2	60.1	17 200*	69.3	60.5	19 200*										19.0
20.0	64.0	59.3	14 900*	65.5	59.7	15 900*	67.6	60.1	17 600*										20.0
21.0	62.2	58.8	13 800*	63.7	59.2	14 700*	65.9	59.6	16 200*										21.0
22.0	60.4	58.2	12 900*	61.9	58.6	13 700*	64.2	59.1	15 000*	66.4	59.5	16 600*							22.0
23.0	58.5	57.6	12 000*	60.1	58.0	12 800*	62.4	58.6	14 000*	64.6	59.0	15 300*							23.0
24.0	56.7	56.9	11 300*	58.3	57.4	11 900*	60.6	58.0	13 000*	62.9	58.5	14 300*							24.0
25.0	54.7	56.2	10 500*	56.4	56.8	11 100*	58.8	57.4	12 200*	61.1	58.0	13 300*							25.0
26.0	52.8	55.5	9 900*	54.4	56.0	10 500*	56.9	56.8	11 400*	59.2	57.4	12 400*							26.0
27.0	50.7	54.6	9 300*	52.4	55.3	9 800*	55.0	56.1	10 600*	57.4	56.7	11 600*							27.0
28.0	48.6	53.8	8 700*	50.4	54.4	9 200*	53.0	55.3	10 000*	55.5	56.0	10 800*	59.3	56.9	12 400*				28.0
29.0	46.5	52.8	8 000*	48.3	53.6	8 600*	51.0	54.5	9 400*	53.5	55.3	10 200*	57.5	56.3	11 600*				29.0
30.0	44.2	51.8	7 500*	46.1	52.6	8 000*	48.9	53.6	8 800*	51.5	54.5	9 500*	55.6	55.6	10 900*				30.0
31.0	41.9	50.7	7 000*	43.9	51.6	7 500*	46.7	52.7	8 300*	49.4	53.6	9 000*	53.6	54.8	10 200*				31.0
32.0	39.4	49.5	6 500*	41.5	50.4	7 000*	44.5	51.7	7 700*	47.3	52.7	8 400*	51.6	54.0	9 600*	55.6	54.9	10 100	32.0
33.0	36.8	48.1	6 100*	39.0	49.2	6 500*	42.1	50.6	7 200*	45.1	51.7	7 900*	49.6	53.2	9 000*	53.6	54.1	9 300	33.0
34.0	34.0	46.7	5 600*	36.4	47.9	6 100*	39.7	49.4	6 700*	42.8	50.7	7 400*	47.4	52.3	8 500*	51.6	53.3	8 500	34.0
35.0	31.0	45.1	5 100*	33.6	46.4	5 700*	37.1	48.1	6 300*	40.3	49.5	6 900*	45.2	51.3	8 000*	49.6	52.5	7 700	35.0
36.0	27.7	43.2	4 400*	30.5	44.7	5 000*	34.3	46.6	5 800*	37.8	48.2	6 500*	42.9	50.2	7 500	47.4	51.6	7 100	36.0
37.0	23.9	41.0	3 600*	27.2	42.8	4 300*	31.4	45.0	5 300*	35.1	46.8	6 000*	40.5	49.0	6 900	45.2	50.6	6 400	37.0
38.0	19.5	38.4	3 000*	23.3	40.6	3 500*	28.1	43.2	4 400*	32.2	45.2	5 400*	38.0	47.8	6 300	42.9	49.5	5 800	38.0
39.0				18.7	37.9	2 500*	24.4	41.1	3 700*	29.0	43.5	4 700*	35.3	46.4	5 700	40.5	48.4	5 200	39.0
40.0							20.1	38.5	2 900*	25.4	41.4	3 800*	32.4	44.8	5 100	38.0	47.1	4 700	40.0
42.0													25.7	41.1	3 900	32.4	44.1	3 700	42.0
44.0													16.5	35.6	2 400*	25.7	40.4	2 800	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

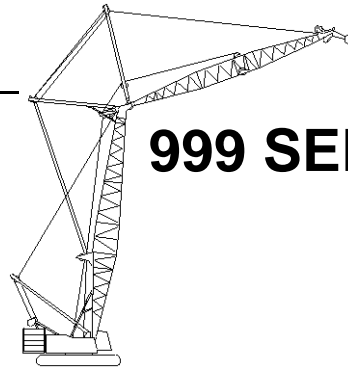
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

24.4m (80 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
13.7	75.8	65.0	24 800*																13.7
14.0	75.4	64.9	24 100*																14.0
15.0	73.9	64.6	21 900*																15.0
16.0	72.4	64.3	19 900*																16.0
17.0	70.8	63.9	18 200*	72.1	64.2	19 700*													17.0
18.0	69.3	63.6	16 700*	70.6	63.8	18 000*													18.0
19.0	67.7	63.1	15 400*	69.0	63.4	16 500*													19.0
20.0	66.1	62.7	14 200*	67.5	63.0	15 200*	69.5	63.4	16 900*										20.0
21.0	64.5	62.2	13 200*	65.9	62.6	14 100*	67.9	63.0	15 600*										21.0
22.0	62.9	61.7	12 200*	64.3	62.1	13 000*	66.3	62.5	14 400*										22.0
23.0	61.2	61.1	11 400*	62.6	61.5	12 100*	64.7	62.0	13 300*	66.7	62.4	14 700*							23.0
24.0	59.5	60.6	10 600*	61.0	61.0	11 200*	63.1	61.5	12 400*	65.1	61.9	13 600*							24.0
25.0	57.8	59.9	9 900*	59.3	60.4	10 500*	61.4	61.0	11 500*	63.5	61.4	12 600*							25.0
26.0	56.1	59.3	9 200*	57.6	59.8	9 700*	59.7	60.4	10 700*	61.9	60.9	11 700*							26.0
27.0	54.3	58.5	8 600*	55.8	59.1	9 100*	58.0	59.8	9 900*	60.2	60.3	10 900*							27.0
28.0	52.5	57.8	8 000*	54.0	58.4	8 500*	56.3	59.1	9 300*	58.5	59.7	10 100*	62.0	60.4	11 700*				28.0
29.0	50.6	56.9	7 500*	52.2	57.6	7 900*	54.5	58.4	8 700*	56.7	59.1	9 400*	60.3	59.9	10 900*				29.0
30.0	48.7	56.1	7 000*	50.3	56.7	7 400*	52.7	57.6	8 100*	55.0	58.4	8 800*	58.6	59.2	10 200*				30.0
31.0	46.7	55.1	6 500*	48.4	55.9	6 900*	50.8	56.8	7 600*	53.2	57.6	8 200*	56.9	58.6	9 500*				31.0
32.0	44.6	54.1	6 100*	46.4	54.9	6 500*	48.9	55.9	7 100*	51.3	56.8	7 700*	55.1	57.9	8 800*				32.0
33.0	42.5	53.0	5 700*	44.3	53.9	6 100*	46.9	55.0	6 600*	49.4	55.9	7 200*	53.3	57.1	8 300*				33.0
34.0	40.2	51.8	5 300*	42.1	52.8	5 700*	44.8	54.0	6 200*	47.4	55.0	6 700*	51.4	56.3	7 700*	55.1	57.2	8 500	34.0
35.0	37.9	50.6	5 000*	39.9	51.6	5 300*	42.7	52.9	5 800*	45.4	54.0	6 300*	49.5	55.5	7 200*	53.3	56.4	7 800	35.0
36.0	35.4	49.2	4 500*	37.5	50.3	4 900*	40.5	51.8	5 400*	43.3	53.0	5 900*	47.5	54.6	6 800*	51.4	55.6	7 100	36.0
37.0	32.7	47.6	4 000*	35.0	48.9	4 500*	38.2	50.5	5 000*	41.1	51.8	5 500*	45.5	53.6	6 300*	49.5	54.8	6 500	37.0
38.0	29.9	45.9	3 300*	32.3	47.3	3 800*	35.7	49.1	4 700*	38.8	50.6	5 200*	43.4	52.5	5 900*	47.6	53.9	5 900	38.0
39.0	26.7	44.0	2 600*	29.4	45.6	3 200*	33.1	47.6	4 100*	36.3	49.3	4 700*	41.2	51.4	5 500*	45.5	52.9	5 300	39.0
40.0				26.2	43.6	2 500*	30.2	45.9	3 300*	33.7	47.8	4 200*	38.9	50.2	5 100	43.4	51.9	4 800	40.0
42.0													33.9	47.4	4 100	38.9	49.5	3 800	42.0
44.0													28.1	43.9	2 800*	33.9	46.7	2 900	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

27.4m (90 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

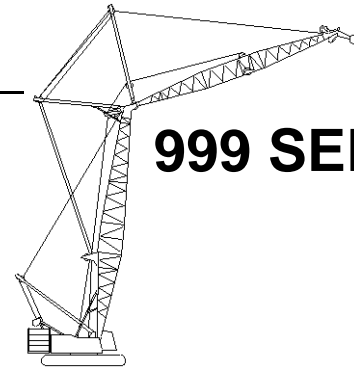
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	56.9	39.6	16 700*	62.3	40.2	20 100*b													10.7
11.0	54.9	39.4	16 000*	60.4	40.0	19 000*b													11.0
12.0	48.6	38.5	13 600*	54.6	39.3	15 800*													12.0
13.0	41.5	37.4	11 700*	48.3	38.4	13 400*	57.1	39.4	17 300*										13.0
14.0	33.0	35.9	10 200*	41.1	37.3	11 600*	51.0	38.6	14 400*	59.5	39.5	18 600*b							14.0
15.0	21.4	33.7	8 900*	32.6	35.8	10 200*	44.3	37.6	12 300*	53.6	38.7	15 500*							15.0
16.0							36.5	36.3	10 800*	47.2	37.8	13 100*							16.0
17.0										39.9	36.6	11 400*	55.6	38.4	16 400*				17.0
18.0										31.0	35.0	10 000*	49.4	37.5	14 000*				18.0
19.0													42.4	36.5	12 000*				19.0
20.0													34.1	35.0	10 500*	51.1	37.0	14 600*	20.0
21.0													23.1	33.0	9 200*	44.3	36.0	12 600*	21.0
22.0																36.5	34.7	10 900*	22.0

27.4m (90 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	65.4	40.6	19 000*b																9.1
10.0	60.7	40.1	16 200*																10.0
11.0	54.9	39.4	13 200*	60.4	40.0	16 000*													11.0
12.0	48.6	38.5	11 200*	54.6	39.3	13 300*													12.0
13.0	41.5	37.4	9 600*	48.3	38.4	11 100*	57.1	39.4	14 500*										13.0
14.0	33.0	35.9	8 400*	41.1	37.3	9 600*	51.0	38.6	12 000*	59.5	39.5	15 600*							14.0
15.0	21.4	33.7	7 300*	32.6	35.8	8 400*	44.3	37.6	10 300*	53.6	38.7	13 000*							15.0
16.0							36.5	36.3	8 900*	47.2	37.8	10 900*							16.0
17.0										39.9	36.6	9 500*	55.6	38.4	13 700*				17.0
18.0										31.0	35.0	8 200*	49.4	37.5	11 700*				18.0
19.0													42.4	36.5	9 900*				19.0
20.0													34.1	35.0	8 600*	51.1	37.0	12 200*	20.0
21.0													23.1	33.0	7 500*	44.3	36.0	10 500*	21.0
22.0																36.5	34.7	9 000*	22.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

27.4m (90 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

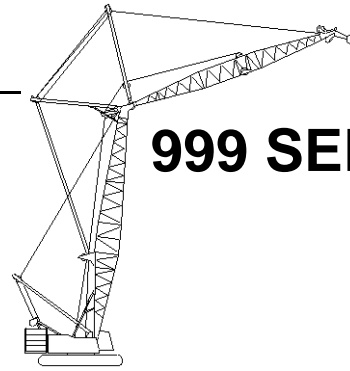
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
9.1	65.4	40.6	16 900*b															9.1	
10.0	60.7	40.1	14 400*															10.0	
11.0	54.9	39.4	11 600*	60.4	40.0	14 100*												11.0	
12.0	48.6	38.5	9 800*	54.6	39.3	11 700*												12.0	
13.0	41.5	37.4	8 400*	48.3	38.4	9 700*	57.1	39.4	12 700*									13.0	
14.0	33.0	35.9	7 300*	41.1	37.3	8 400*	51.0	38.6	10 500*	59.5	39.5	13 700*						14.0	
15.0	21.4	33.7	6 300*	32.6	35.8	7 200*	44.3	37.6	8 900*	53.6	38.7	11 400*						15.0	
16.0							36.5	36.3	7 700*	47.2	37.8	9 500*						16.0	
17.0										39.9	36.6	8 200*	55.6	38.4	12 100*			17.0	
18.0										31.0	35.0	7 100*	49.4	37.5	10 200*			18.0	
19.0													42.4	36.5	8 600*			19.0	
20.0													34.1	35.0	7 500*	51.1	37.0	10 700*	20.0
21.0													23.1	33.0	6 500*	44.3	36.0	9 100*	21.0
22.0																36.5	34.7	7 800*	22.0

27.4m (90 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
9.1	70.7	43.9	24 400*b															9.1	
10.0	67.1	43.6	20 700*															10.0	
11.0	62.9	43.0	16 800*	66.9	43.5	20 400*												11.0	
12.0	58.4	42.4	14 200*	62.7	42.9	16 900*												12.0	
13.0	53.7	41.7	12 300*	58.2	42.3	14 100*	64.5	43.0	18 400*									13.0	
14.0	48.7	40.8	10 700*	53.5	41.6	12 200*	60.1	42.4	15 200*	66.3	43.0	19 800*						14.0	
15.0	43.1	39.7	9 400*	48.4	40.7	10 600*	55.5	41.7	13 000*	62.0	42.4	16 500*						15.0	
16.0	36.9	38.4	8 300*	42.9	39.6	9 400*	50.6	40.9	11 300*	57.5	41.8	13 900*						16.0	
17.0	29.5	36.8	7 400*	36.6	38.3	8 300*	45.3	39.9	9 900*	52.7	41.0	12 000*						17.0	
18.0	19.4	34.3	6 600*	29.2	36.6	7 400*	39.4	38.7	8 800*	47.6	40.1	10 500*						18.0	
19.0							32.6	37.2	7 800*	41.9	39.0	9 200*	54.3	40.7	12 800*			19.0	
20.0										35.6	37.6	8 200*	49.3	39.8	11 000*			20.0	
21.0										27.8	35.9	7 300*	43.8	38.8	9 700*			21.0	
22.0													37.7	37.5	8 600*			22.0	
23.0													30.5	35.9	7 600*	50.6	39.3	11 500*	23.0
24.0													20.9	33.6	6 700*	45.3	38.3	10 000*	24.0
25.0																39.4	37.1	8 900*	25.0
																32.6	35.6	7 900*	



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

27.4m (90 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

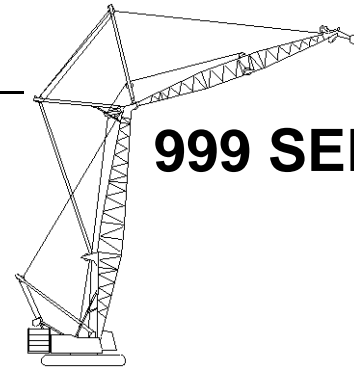
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	65.4	40.6	15 800*	70.4	41.0	20 000*													9.1
10.0	60.7	40.1	13 400*	65.9	40.6	16 600*													10.0
11.0	54.9	39.4	10 900*	60.4	40.0	13 000*	68.2	40.6	18 300*										11.0
12.0	48.6	38.5	9 300*	54.6	39.3	10 800*	62.8	40.1	14 500*										12.0
13.0	41.5	37.4	8 000*	48.3	38.4	9 200*	57.1	39.4	11 600*										13.0
14.0	33.0	35.9	7 000*	41.1	37.3	8 000*	51.0	38.6	9 900*	59.5	39.5	12 900*							14.0
15.0	21.4	33.7	6 100*	32.6	35.8	6 900*	44.3	37.6	8 500*	53.6	38.7	10 700*							15.0
16.0							36.5	36.3	7 300*	47.2	37.8	9 000*							16.0
17.0										39.9	36.6	7 800*	55.6	38.4	11 300*				17.0
18.0										31.0	35.0	6 800*	49.4	37.5	9 600*				18.0
19.0													42.4	36.5	8 200*				19.0
20.0													34.1	35.0	7 100*	51.1	37.0	10 000*	20.0
21.0													23.1	33.0	6 200*	44.3	36.0	8 600*	21.0
22.0																36.5	34.7	7 400*	22.0

27.4m (90 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	70.7	43.9	21 900*																9.1
10.0	67.1	43.6	18 700*																10.0
11.0	62.9	43.0	15 100*	66.9	43.5	18 400*													11.0
12.0	58.4	42.4	12 800*	62.7	42.9	15 200*													12.0
13.0	53.7	41.7	11 000*	58.2	42.3	12 700*	64.5	43.0	16 600*										13.0
14.0	48.7	40.8	9 600*	53.5	41.6	11 000*	60.1	42.4	13 700*	66.3	43.0	17 800*							14.0
15.0	43.1	39.7	8 400*	48.4	40.7	9 600*	55.5	41.7	11 700*	62.0	42.4	14 800*							15.0
16.0	36.9	38.4	7 500*	42.9	39.6	8 400*	50.6	40.9	10 100*	57.5	41.8	12 400*							16.0
17.0	29.5	36.8	6 700*	36.6	38.3	7 400*	45.3	39.9	8 900*	52.7	41.0	10 800*							17.0
18.0	19.4	34.3	5 900*	29.2	36.6	6 600*	39.4	38.7	7 800*	47.6	40.1	9 400*							18.0
19.0							32.6	37.2	7 000*	41.9	39.0	8 300*	54.3	40.7	11 400*				19.0
20.0										35.6	37.6	7 400*	49.3	39.8	9 800*				20.0
21.0										27.8	35.9	6 500*	43.8	38.8	8 600*				21.0
22.0													37.7	37.5	7 600*				22.0
23.0													30.5	35.9	6 800*	45.3	38.3	9 000*	23.0
24.0													20.9	33.6	6 100*	39.4	37.1	7 900*	24.0
25.0																32.6	35.6	7 000*	25.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

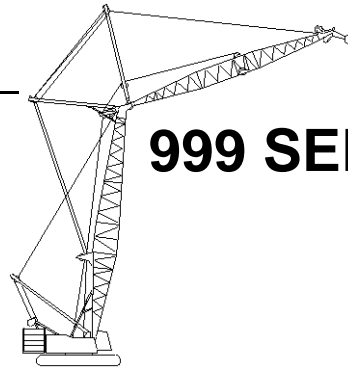
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

27.4m (90 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	74.0	47.2	26 700*																9.1
10.0	71.2	46.9	23 100*																10.0
11.0	67.8	46.4	19 200*	71.0	46.8	23 200*													11.0
12.0	64.3	46.0	16 300*	67.6	46.4	19 200*													12.0
13.0	60.6	45.4	14 000*	64.1	45.9	16 100*													13.0
14.0	56.9	44.7	12 200*	60.5	45.3	14 000*	65.6	45.9	17 500*										14.0
15.0	52.9	44.0	10 800*	56.7	44.6	12 200*	62.0	45.4	15 000*										15.0
16.0	48.7	43.1	9 600*	52.7	43.9	10 700*	58.3	44.8	12 900*	63.5	45.4	16 100*							16.0
17.0	44.2	42.1	8 600*	48.5	43.0	9 600*	54.4	44.0	11 300*	59.9	44.8	13 700*							17.0
18.0	39.3	40.9	7 700*	44.0	42.0	8 500*	50.3	43.2	10 100*	56.1	44.1	12 000*							18.0
19.0	33.7	39.4	6 900*	39.0	40.7	7 600*	46.0	42.2	9 000*	52.1	43.3	10 600*							19.0
20.0	27.1	37.6	6 300*	33.4	39.3	6 900*	41.2	41.1	8 000*	47.8	42.4	9 400*	57.3	43.7	12 600*				20.0
21.0	18.1	34.9	5 700*	26.7	37.4	6 200*	35.9	39.8	7 200*	43.2	41.4	8 400*	53.4	43.0	11 100*				21.0
22.0							29.8	38.1	6 500*	38.2	40.1	7 600*	49.2	42.1	9 800*				22.0
23.0										32.5	38.6	6 800*	44.8	41.1	8 800*	54.4	42.4	11 500*	23.0
24.0										25.5	36.6	6 200*	39.9	40.0	7 900*	50.4	41.6	10 200*	24.0
25.0													34.4	38.5	7 100*	46.0	40.6	9 000*	25.0
26.0													27.9	36.7	6 400*	41.2	39.5	8 100*	26.0
27.0													19.4	34.2	5 800*	35.9	38.2	7 300*	27.0
28.0																29.8	36.5	6 600*	28.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

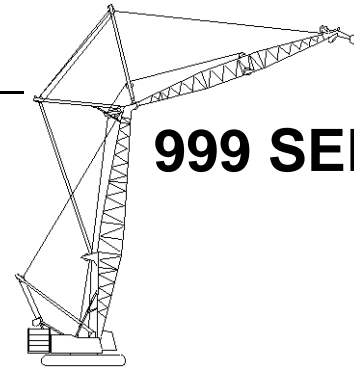
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

27.4m (90 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m		
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall			
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms			
10.7	72.1	49.9	26 500*																10.7		
11.0	71.1	49.7	25 200*																11.0		
12.0	68.2	49.3	21 400*																12.0		
13.0	65.2	48.9	18 300*	68.1	49.2	21 400*													13.0		
14.0	62.2	48.3	16 000*	65.1	48.8	18 200*	69.3	49.3	22 800*										14.0		
15.0	59.0	47.7	14 100*	62.0	48.2	16 000*	66.4	48.8	19 500*										15.0		
16.0	55.8	47.1	12 600*	58.9	47.6	14 100*	63.4	48.3	16 900*										16.0		
17.0	52.3	46.3	11 300*	55.6	46.9	12 600*	60.2	47.7	14 900*	64.6	48.3	18 000*							17.0		
18.0	48.8	45.4	10 200*	52.2	46.2	11 300*	57.0	47.1	13 200*	61.5	47.7	15 800*							18.0		
19.0	44.9	44.4	9 200*	48.6	45.3	10 100*	53.7	46.3	11 800*	58.4	47.1	13 900*							19.0		
20.0	40.8	43.3	8 300*	44.8	44.3	9 200*	50.1	45.5	10 600*	55.1	46.4	12 400*							20.0		
21.0	36.3	41.9	7 600*	40.6	43.1	8 300*	46.4	44.6	9 600*	51.6	45.6	11 100*							21.0		
22.0	31.2	40.3	6 900*	36.1	41.8	7 600*	42.4	43.5	8 700*	48.0	44.7	10 000*	56.2	46.1	13 000*				22.0		
23.0	25.2	38.3	6 300*	31.0	40.2	6 900*	38.1	42.2	7 900*	44.1	43.7	9 100*	52.8	45.3	11 600*				23.0		
24.0	17.0	35.5	5 800*	24.9	38.1	6 300*	33.3	40.7	7 200*	40.0	42.5	8 300*	49.2	44.4	10 400*				24.0		
25.0							27.7	38.9	6 600*	35.4	41.1	7 500*	45.4	43.5	9 400*	53.7	44.7	12 000*	25.0		
26.0										30.1	39.5	6 900*	41.3	42.3	8 600*	50.2	43.9	10 800*	26.0		
27.0										23.8	37.3	6 300*	36.9	41.0	7 800*	46.4	43.0	9 700*	27.0		
28.0													31.9	39.5	7 100*	42.5	41.9	8 800*	28.0		
29.0													26.0	37.5	6 500*	38.1	40.6	8 000*	29.0		
30.0															18.2	34.8	6 000*	33.3	39.1	7 300*	30.0
31.0																		27.7	37.3	6 700*	31.0
32.0																		20.6	34.9	6 100*	32.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

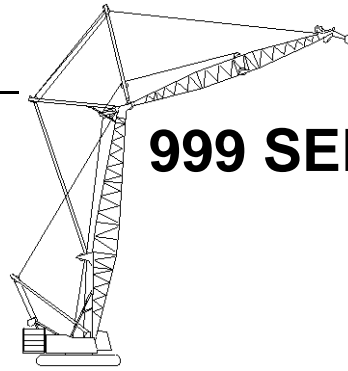
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

27.4m (90 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	74.4	53.1	26 700*																10.7
11.0	73.6	53.0	26 300*																11.0
12.0	71.1	52.6	25 100*																12.0
13.0	68.6	52.2	22 700*	71.0	52.5	24 700*													13.0
14.0	66.0	51.8	19 400*	68.4	52.1	22 200*													14.0
15.0	63.3	51.3	17 200*	65.8	51.7	19 500*													15.0
16.0	60.6	50.7	15 400*	63.2	51.2	17 200*	67.0	51.7	20 700*										16.0
17.0	57.8	50.1	13 800*	60.5	50.6	15 400*	64.3	51.2	18 100*										17.0
18.0	54.9	49.4	12 500*	57.7	50.0	13 800*	61.6	50.7	16 100*										18.0
19.0	51.9	48.6	11 400*	54.8	49.3	12 500*	58.9	50.1	14 500*	62.8	50.7	17 100*							19.0
20.0	48.8	47.7	10 400*	51.8	48.5	11 400*	56.0	49.4	13 100*	60.0	50.1	15 200*							20.0
21.0	45.5	46.7	9 500*	48.6	47.6	10 400*	53.1	48.6	11 900*	57.2	49.4	13 700*							21.0
22.0	42.0	45.6	8 700*	45.3	46.6	9 500*	50.0	47.8	10 800*	54.3	48.7	12 400*	60.9	49.7	15 900*				22.0
23.0	38.2	44.4	8 000*	41.8	45.5	8 700*	46.8	46.9	9 900*	51.3	47.9	11 300*	58.1	49.1	14 200*				23.0
24.0	34.0	42.9	7 400*	38.0	44.2	8 000*	43.3	45.8	9 100*	48.1	47.0	10 300*	55.3	48.4	12 800*				24.0
25.0	29.3	41.2	6 800*	33.8	42.8	7 400*	39.7	44.6	8 400*	44.8	46.0	9 500*	52.3	47.6	11 700*				25.0
26.0	23.7	39.0	6 300*	29.1	41.0	6 800*	35.7	43.2	7 700*	41.2	44.9	8 700*	49.2	46.7	10 700*	56.0	47.8	13 300*	26.0
27.0	16.3	36.0	5 800*	23.4	38.9	6 300*	31.2	41.6	7 100*	37.4	43.6	8 000*	45.9	45.8	9 800*	53.1	47.0	12 100*	27.0
28.0							26.0	39.7	6 500*	33.1	42.1	7 400*	42.4	44.7	9 000*	50.0	46.2	11 000*	28.0
29.0										28.3	40.3	6 800*	38.6	43.5	8 300*	46.8	45.3	10 100*	29.0
30.0										22.4	38.0	6 300*	34.5	42.0	7 600*	43.3	44.2	9 200*	30.0
31.0													29.9	40.3	7 000*	39.7	43.0	8 500*	31.0
32.0													24.5	38.3	6 500*	35.7	41.6	7 800*	32.0
33.0													17.3	35.4	6 000*	31.2	40.0	7 200*	33.0
34.0																26.0	38.1	6 700*	34.0
35.0																19.5	35.5	6 200*	35.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

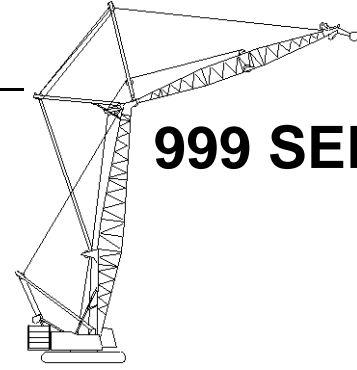
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

27.4m (90 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	72.9	55.8	26 700*																12.2
13.0	71.1	55.5	26 100*																13.0
14.0	68.8	55.1	25 000*	71.0	55.4	26 200*													14.0
15.0	66.5	54.7	22 300*	68.7	55.0	24 400*													15.0
16.0	64.2	54.2	19 800*	66.4	54.6	22 300*													16.0
17.0	61.8	53.6	17 900*	64.1	54.1	19 800*	67.4	54.6	23 300*										17.0
18.0	59.4	53.0	16 200*	61.7	53.5	17 900*	65.1	54.1	20 800*										18.0
19.0	56.9	52.4	14 800*	59.3	52.9	16 200*	62.7	53.6	18 700*	66.1	54.1	21 900*							19.0
20.0	54.3	51.7	13 500*	56.7	52.3	14 700*	60.3	53.0	17 000*	63.7	53.6	19 600*							20.0
21.0	51.6	50.9	12 400*	54.2	51.6	13 500*	57.8	52.4	15 400*	61.3	53.0	17 700*							21.0
22.0	48.8	50.0	11 400*	51.5	50.8	12 400*	55.3	51.7	14 100*	58.9	52.4	16 100*							22.0
23.0	45.9	49.0	10 500*	48.7	49.9	11 400*	52.6	50.9	12 900*	56.3	51.8	14 700*	62.1	52.6	18 300*				23.0
24.0	42.8	48.0	9 700*	45.8	48.9	10 500*	49.9	50.1	11 900*	53.7	51.0	13 400*	59.7	52.1	16 700*				24.0
25.0	39.5	46.8	9 000*	42.7	47.8	9 700*	47.0	49.2	11 000*	51.0	50.2	12 400*	57.2	51.4	15 200*				25.0
26.0	36.0	45.4	8 400*	39.4	46.6	9 000*	44.0	48.1	10 100*	48.2	49.3	11 400*	54.6	50.7	13 900*				26.0
27.0	32.1	43.9	7 800*	35.8	45.3	8 400*	40.8	47.0	9 400*	45.3	48.3	10 500*	51.9	49.9	12 800*				27.0
28.0	27.7	42.0	7 200*	31.9	43.7	7 800*	37.4	45.7	8 700*	42.2	47.2	9 800*	49.1	49.0	11 800*	55.3	50.1	14 300*	28.0
29.0	22.5	39.7	6 700*	27.5	41.9	7 200*	33.7	44.2	8 100*	38.8	46.0	9 000*	46.2	48.1	10 900*	52.6	49.3	13 100*	29.0
30.0	15.6	36.6	6 300*	22.3	39.6	6 700*	29.5	42.5	7 500*	35.2	44.6	8 400*	43.2	47.0	10 100*	49.9	48.5	12 100*	30.0
31.0							24.7	40.4	7 000*	31.3	43.0	7 800*	39.9	45.8	9 300*	47.0	47.6	11 200*	31.0
32.0							18.6	37.7	6 500*	26.8	41.1	7 300*	36.4	44.5	8 700*	44.0	46.5	10 300*	32.0
33.0										21.3	38.7	6 800*	32.6	43.0	8 100*	40.8	45.4	9 600*	33.0
34.0													28.3	41.2	7 500*	37.4	44.1	8 900*	34.0
35.0													23.2	39.0	7 000*	33.7	42.6	8 300*	35.0
36.0													16.6	36.0	6 500*	29.5	40.9	7 700*	36.0
37.0																24.7	38.8	7 200*	37.0
38.0																18.6	36.1	6 700*	38.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

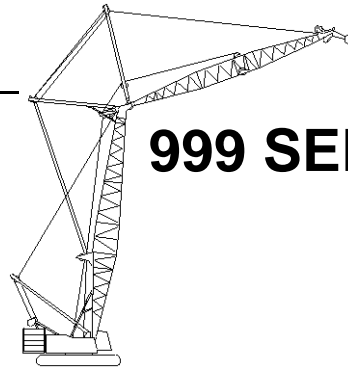
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

27.4m (90 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	74.4	53.1	26 700*																10.7
11.0	73.6	53.0	25 900*																11.0
12.0	71.1	52.6	23 400*																12.0
13.0	68.6	52.2	20 700*	71.0	52.5	23 700*													13.0
14.0	66.0	51.8	18 000*	68.4	52.1	20 300*													14.0
15.0	63.3	51.3	15 900*	65.8	51.7	17 900*													15.0
16.0	60.6	50.7	14 200*	63.2	51.2	15 800*	67.0	51.7	19 100*										16.0
17.0	57.8	50.1	12 800*	60.5	50.6	14 200*	64.3	51.2	16 700*										17.0
18.0	54.9	49.4	11 600*	57.7	50.0	12 700*	61.6	50.7	14 900*										18.0
19.0	51.9	48.6	10 500*	54.8	49.3	11 500*	58.9	50.1	13 400*	62.8	50.7	15 800*							19.0
20.0	48.8	47.7	9 600*	51.8	48.5	10 500*	56.0	49.4	12 100*	60.0	50.1	14 000*							20.0
21.0	45.5	46.7	8 700*	48.6	47.6	9 600*	53.1	48.6	11 000*	57.2	49.4	12 600*							21.0
22.0	42.0	45.6	8 000*	45.3	46.6	8 800*	50.0	47.8	10 000*	54.3	48.7	11 500*	60.9	49.7	14 700*				22.0
23.0	38.2	44.4	7 400*	41.8	45.5	8 000*	46.8	46.9	9 100*	51.3	47.9	10 400*	58.1	49.1	13 100*				23.0
24.0	34.0	42.9	6 800*	38.0	44.2	7 400*	43.3	45.8	8 400*	48.1	47.0	9 500*	55.3	48.4	11 900*				24.0
25.0	29.3	41.2	6 300*	33.8	42.8	6 800*	39.7	44.6	7 700*	44.8	46.0	8 700*	52.3	47.6	10 800*				25.0
26.0	23.7	39.0	5 800*	29.1	41.0	6 300*	35.7	43.2	7 100*	41.2	44.9	8 000*	49.2	46.7	9 800*	56.0	47.8	12 200*	26.0
27.0	16.3	36.0	5 400*	23.4	38.9	5 800*	31.2	41.6	6 500*	37.4	43.6	7 400*	45.9	45.8	9 000*	53.1	47.0	11 200*	27.0
28.0							26.0	39.7	6 000*	33.1	42.1	6 800*	42.4	44.7	8 300*	50.0	46.2	10 200*	28.0
29.0										28.3	40.3	6 300*	38.6	43.5	7 600*	46.8	45.3	9 300*	29.0
30.0										22.4	38.0	5 800*	34.5	42.0	7 000*	43.3	44.2	8 500*	30.0
31.0													29.9	40.3	6 500*	39.7	43.0	7 800*	31.0
32.0													24.5	38.3	6 000*	35.7	41.6	7 200*	32.0
33.0													17.3	35.4	5 500*	31.2	40.0	6 700*	33.0
34.0																26.0	38.1	6 200*	34.0
35.0																19.5	35.5	5 700*	35.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

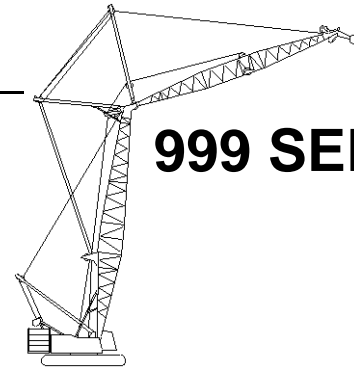
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

27.4m (90 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	72.9	55.8	26 700*																12.2
13.0	71.1	55.5	25 100*																13.0
14.0	68.8	55.1	23 000*	71.0	55.4	25 800*													14.0
15.0	66.5	54.7	20 400*	68.7	55.0	22 800*													15.0
16.0	64.2	54.2	18 100*	66.4	54.6	20 200*													16.0
17.0	61.8	53.6	16 400*	64.1	54.1	18 100*	67.4	54.6	21 300*										17.0
18.0	59.4	53.0	14 800*	61.7	53.5	16 300*	65.1	54.1	19 100*										18.0
19.0	56.9	52.4	13 500*	59.3	52.9	14 800*	62.7	53.6	17 100*	66.1	54.1	20 000*							19.0
20.0	54.3	51.7	12 400*	56.7	52.3	13 500*	60.3	53.0	15 500*	63.7	53.6	17 900*							20.0
21.0	51.6	50.9	11 300*	54.2	51.6	12 300*	57.8	52.4	14 100*	61.3	53.0	16 200*							21.0
22.0	48.8	50.0	10 400*	51.5	50.8	11 300*	55.3	51.7	12 900*	58.9	52.4	14 700*							22.0
23.0	45.9	49.0	9 600*	48.7	49.9	10 400*	52.6	50.9	11 800*	56.3	51.8	13 400*	62.1	52.6	16 800*				23.0
24.0	42.8	48.0	8 900*	45.8	48.9	9 600*	49.9	50.1	10 900*	53.7	51.0	12 300*	59.7	52.1	15 300*				24.0
25.0	39.5	46.8	8 200*	42.7	47.8	8 900*	47.0	49.2	10 000*	51.0	50.2	11 300*	57.2	51.4	13 900*				25.0
26.0	36.0	45.4	7 600*	39.4	46.6	8 200*	44.0	48.1	9 200*	48.2	49.3	10 400*	54.6	50.7	12 700*				26.0
27.0	32.1	43.9	7 100*	35.8	45.3	7 600*	40.8	47.0	8 600*	45.3	48.3	9 600*	51.9	49.9	11 700*				27.0
28.0	27.7	42.0	6 600*	31.9	43.7	7 100*	37.4	45.7	7 900*	42.2	47.2	8 900*	49.1	49.0	10 800*	55.3	50.1	13 100*	28.0
29.0	22.5	39.7	6 100*	27.5	41.9	6 600*	33.7	44.2	7 400*	38.8	46.0	8 200*	46.2	48.1	9 900*	52.6	49.3	12 000*	29.0
30.0	15.6	36.6	5 700*	22.3	39.6	6 100*	29.5	42.5	6 800*	35.2	44.6	7 600*	43.2	47.0	9 200*	49.9	48.5	11 100*	30.0
31.0							24.7	40.4	6 400*	31.3	43.0	7 100*	39.9	45.8	8 500*	47.0	47.6	10 200*	31.0
32.0							18.6	37.7	5 900*	26.8	41.1	6 600*	36.4	44.5	7 900*	44.0	46.5	9 400*	32.0
33.0										21.3	38.7	6 200*	32.6	43.0	7 300*	40.8	45.4	8 800*	33.0
34.0													28.3	41.2	6 800*	37.4	44.1	8 100*	34.0
35.0													23.2	39.0	6 400*	33.7	42.6	7 600*	35.0
36.0													16.6	36.0	5 900*	29.5	40.9	7 000*	36.0
37.0																24.7	38.8	6 500*	37.0
38.0																18.6	36.1	6 100*	38.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

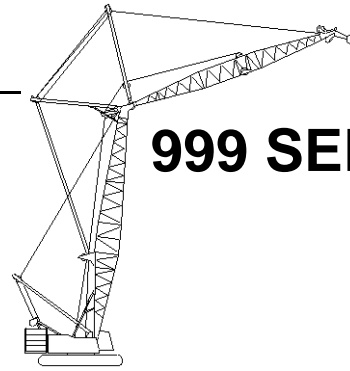
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

27.4m (90 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	74.4	53.1	26 700*																10.7
11.0	73.6	53.0	25 500*																11.0
12.0	71.1	52.6	22 000*																12.0
13.0	68.6	52.2	19 000*	71.0	52.5	22 000*													13.0
14.0	66.0	51.8	16 600*	68.4	52.1	18 900*													14.0
15.0	63.3	51.3	14 700*	65.8	51.7	16 600*													15.0
16.0	60.6	50.7	13 100*	63.2	51.2	14 700*	67.0	51.7	17 700*										16.0
17.0	57.8	50.1	11 800*	60.5	50.6	13 100*	64.3	51.2	15 500*										17.0
18.0	54.9	49.4	10 700*	57.7	50.0	11 800*	61.6	50.7	13 800*										18.0
19.0	51.9	48.6	9 700*	54.8	49.3	10 700*	58.9	50.1	12 400*	62.8	50.7	14 600*							19.0
20.0	48.8	47.7	8 800*	51.8	48.5	9 700*	56.0	49.4	11 200*	60.0	50.1	13 000*							20.0
21.0	45.5	46.7	8 100*	48.6	47.6	8 800*	53.1	48.6	10 200*	57.2	49.4	11 700*							21.0
22.0	42.0	45.6	7 400*	45.3	46.6	8 100*	50.0	47.8	9 200*	54.3	48.7	10 600*	60.9	49.7	13 600*				22.0
23.0	38.2	44.4	6 800*	41.8	45.5	7 400*	46.8	46.9	8 400*	51.3	47.9	9 600*	58.1	49.1	12 200*				23.0
24.0	34.0	42.9	6 200*	38.0	44.2	6 800*	43.3	45.8	7 700*	48.1	47.0	8 800*	55.3	48.4	11 000*				24.0
25.0	29.3	41.2	5 800*	33.8	42.8	6 200*	39.7	44.6	7 100*	44.8	46.0	8 000*	52.3	47.6	10 000*				25.0
26.0	23.7	39.0	5 300*	29.1	41.0	5 800*	35.7	43.2	6 500*	41.2	44.9	7 400*	49.2	46.7	9 100*	56.0	47.8	11 300*	26.0
27.0	16.3	36.0	4 900*	23.4	38.9	5 300*	31.2	41.6	6 000*	37.4	43.6	6 800*	45.9	45.8	8 300*	53.1	47.0	10 300*	27.0
28.0							26.0	39.7	5 500*	33.1	42.1	6 200*	42.4	44.7	7 600*	50.0	46.2	9 400*	28.0
29.0										28.3	40.3	5 800*	38.6	43.5	7 000*	46.8	45.3	8 600*	29.0
30.0										22.4	38.0	5 300*	34.5	42.0	6 500*	43.3	44.2	7 900*	30.0
31.0													29.9	40.3	6 000*	39.7	43.0	7 200*	31.0
32.0													24.5	38.3	5 500*	35.7	41.6	6 700*	32.0
33.0													17.3	35.4	5 100*	31.2	40.0	6 100*	33.0
34.0																26.0	38.1	5 700*	34.0
35.0																19.5	35.5	5 200*	35.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

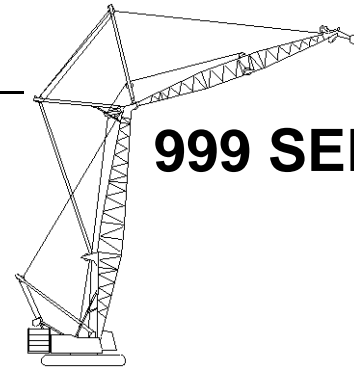
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

27.4m (90 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	72.9	55.8	26 700*																12.2
13.0	71.1	55.5	24 100*																13.0
14.0	68.8	55.1	21 000*	71.0	55.4	23 900*													14.0
15.0	66.5	54.7	18 700*	68.7	55.0	21 000*													15.0
16.0	64.2	54.2	16 700*	66.4	54.6	18 600*													16.0
17.0	61.8	53.6	15 000*	64.1	54.1	16 700*	67.4	54.6	19 700*										17.0
18.0	59.4	53.0	13 600*	61.7	53.5	15 000*	65.1	54.1	17 600*										18.0
19.0	56.9	52.4	12 400*	59.3	52.9	13 600*	62.7	53.6	15 800*	66.1	54.1	18 500*							19.0
20.0	54.3	51.7	11 300*	56.7	52.3	12 400*	60.3	53.0	14 300*	63.7	53.6	16 500*							20.0
21.0	51.6	50.9	10 400*	54.2	51.6	11 400*	57.8	52.4	13 000*	61.3	53.0	14 900*							21.0
22.0	48.8	50.0	9 600*	51.5	50.8	10 400*	55.3	51.7	11 900*	58.9	52.4	13 500*							22.0
23.0	45.9	49.0	8 800*	48.7	49.9	9 500*	52.6	50.9	10 800*	56.3	51.8	12 400*	62.1	52.6	15 500*				23.0
24.0	42.8	48.0	8 100*	45.8	48.9	8 800*	49.9	50.1	10 000*	53.7	51.0	11 300*	59.7	52.1	14 100*				24.0
25.0	39.5	46.8	7 500*	42.7	47.8	8 100*	47.0	49.2	9 200*	51.0	50.2	10 400*	57.2	51.4	12 800*				25.0
26.0	36.0	45.4	7 000*	39.4	46.6	7 500*	44.0	48.1	8 500*	48.2	49.3	9 500*	54.6	50.7	11 700*				26.0
27.0	32.1	43.9	6 500*	35.8	45.3	7 000*	40.8	47.0	7 800*	45.3	48.3	8 800*	51.9	49.9	10 700*				27.0
28.0	27.7	42.0	6 000*	31.9	43.7	6 500*	37.4	45.7	7 300*	42.2	47.2	8 200*	49.1	49.0	9 900*	55.3	50.1	12 100*	28.0
29.0	22.5	39.7	5 600*	27.5	41.9	6 000*	33.7	44.2	6 700*	38.8	46.0	7 500*	46.2	48.1	9 100*	52.6	49.3	11 000*	29.0
30.0	15.6	36.6	4 700*	22.3	39.6	5 600*	29.5	42.5	6 200*	35.2	44.6	7 000*	43.2	47.0	8 400*	49.9	48.5	10 200*	30.0
31.0							24.7	40.4	5 800*	31.3	43.0	6 500*	39.9	45.8	7 800*	47.0	47.6	9 400*	31.0
32.0							18.6	37.7	5 400*	26.8	41.1	6 000*	36.4	44.5	7 300*	44.0	46.5	8 700*	32.0
33.0										21.3	38.7	5 600*	32.6	43.0	6 700*	40.8	45.4	8 000*	33.0
34.0													28.3	41.2	6 300*	37.4	44.1	7 400	34.0
35.0													23.2	39.0	5 800*	33.7	42.6	6 800	35.0
36.0													16.6	36.0	5 400*	29.5	40.9	6 100	36.0
37.0																24.7	38.8	5 400	37.0
38.0																18.6	36.1	4 700	38.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

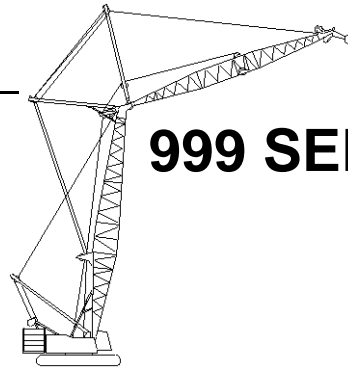
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

27.4m (90 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	74.6	59.0	26 700*																12.2
13.0	73.0	58.7	25 500*																13.0
14.0	71.0	58.4	23 900*	73.0	58.6	26 000*													14.0
15.0	69.0	58.0	21 700*	71.0	58.3	23 700*													15.0
16.0	67.0	57.6	19 500*	68.9	57.9	21 500*													16.0
17.0	64.9	57.1	17 700*	66.9	57.5	19 500*	69.8	57.9	22 400*										17.0
18.0	62.8	56.6	16 000*	64.8	57.0	17 700*	67.8	57.5	20 400*										18.0
19.0	60.6	56.0	14 600*	62.7	56.5	16 000*	65.7	57.0	18 500*										19.0
20.0	58.4	55.4	13 400*	60.5	55.9	14 600*	63.6	56.5	16 700*	66.5	57.0	19 300*							20.0
21.0	56.1	54.7	12 300*	58.3	55.3	13 400*	61.4	56.0	15 300*	64.4	56.5	17 500*							21.0
22.0	53.7	54.0	11 300*	56.0	54.6	12 300*	59.2	55.4	14 000*	62.3	56.0	15 900*							22.0
23.0	51.3	53.2	10 500*	53.6	53.9	11 300*	57.0	54.7	12 800*	60.1	55.4	14 600*							23.0
24.0	48.8	52.3	9 700*	51.2	53.1	10 500*	54.7	54.0	11 800*	57.9	54.8	13 300*							24.0
25.0	46.2	51.3	9 000*	48.7	52.2	9 700*	52.3	53.2	10 900*	55.6	54.1	12 300*	60.8	55.0	15 100*				25.0
26.0	43.5	50.3	8 400*	46.1	51.2	9 000*	49.8	52.4	10 100*	53.3	53.3	11 300*	58.6	54.4	13 800*				26.0
27.0	40.6	49.1	7 800*	43.4	50.2	8 400*	47.2	51.5	9 400*	50.8	52.5	10 500*	56.4	53.7	12 700*				27.0
28.0	37.5	47.9	7 200*	40.5	49.0	7 800*	44.5	50.5	8 700*	48.3	51.6	9 700*	54.0	53.0	11 700*				28.0
29.0	34.2	46.4	6 700*	37.4	47.7	7 300*	41.7	49.3	8 100*	45.7	50.6	9 000*	51.6	52.2	10 800*	57.0	53.1	12 300	29.0
30.0	30.6	44.8	6 300*	34.0	46.3	6 800*	38.7	48.1	7 500*	42.9	49.6	8 400*	49.1	51.3	10 000*	54.7	52.4	11 300	30.0
31.0	26.4	42.8	5 900*	30.4	44.6	6 300*	35.5	46.7	7 000*	40.0	48.4	7 900*	46.5	50.4	9 300*	52.3	51.6	10 400	31.0
32.0	21.6	40.4	5 500*	26.2	42.6	5 900*	32.0	45.2	6 600*	36.9	47.1	7 300*	43.8	49.4	8 700*	49.8	50.8	9 500	32.0
33.0				21.3	40.2	5 500*	28.1	43.3	6 100*	33.5	45.6	6 800*	41.0	48.2	8 100*	47.2	49.9	8 700	33.0
34.0							23.5	41.2	5 800*	29.8	43.9	6 400*	37.9	46.9	7 600*	44.5	48.9	7 900	34.0
35.0							17.9	38.3	5 400*	25.5	41.9	6 000*	34.6	45.5	7 100*	41.7	47.8	7 200	35.0
36.0										20.4	39.4	5 600*	31.0	43.9	6 600*	38.7	46.5	6 500	36.0
37.0													27.0	42.0	6 100	35.5	45.1	5 800	37.0
38.0													22.2	39.7	5 500	32.0	43.6	5 200	38.0
39.0													16.1	36.6	4 900	28.1	41.7	4 600	39.0
40.0																23.5	39.6	4 000	40.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

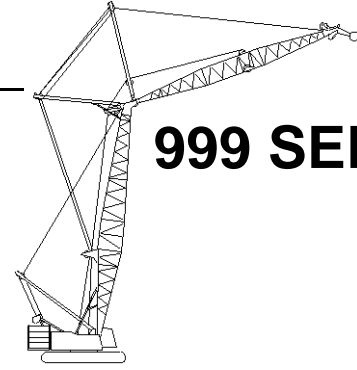
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

27.4m (90 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
13.7	73.4	61.7	23 800*																13.7
14.0	72.8	61.6	23 100*																14.0
15.0	71.0	61.3	20 900*																15.0
16.0	69.2	60.9	19 000*	70.9	61.2	20 900*													16.0
17.0	67.3	60.5	17 300*	69.1	60.8	18 900*													17.0
18.0	65.4	60.0	15 800*	67.2	60.4	17 200*													18.0
19.0	63.5	59.5	14 600*	65.4	59.9	15 800*	68.0	60.4	18 000*										19.0
20.0	61.6	58.9	13 400*	63.4	59.4	14 600*	66.2	59.9	16 400*										20.0
21.0	59.6	58.4	12 500*	61.5	58.8	13 400*	64.3	59.4	15 100*										21.0
22.0	57.5	57.7	11 600*	59.5	58.3	12 400*	62.3	58.9	13 900*	65.1	59.4	15 700*							22.0
23.0	55.5	57.0	10 700*	57.5	57.6	11 500*	60.3	58.3	12 800*	63.1	58.9	14 400*							23.0
24.0	53.3	56.3	9 900*	55.4	56.9	10 700*	58.3	57.7	11 900*	61.2	58.3	13 300*							24.0
25.0	51.1	55.5	9 100*	53.2	56.2	9 900*	56.3	57.1	11 000*	59.2	57.7	12 300*							25.0
26.0	48.8	54.6	8 400*	51.0	55.4	9 100*	54.1	56.3	10 300*	57.1	57.1	11 400*	61.8	57.9	13 600*				26.0
27.0	46.5	53.7	7 800*	48.7	54.5	8 400*	52.0	55.5	9 500*	55.0	56.4	10 600*	59.8	57.4	12 600*				27.0
28.0	44.0	52.6	7 200*	46.4	53.5	7 800*	49.7	54.7	8 800*	52.9	55.6	9 900*	57.8	56.7	11 700*				28.0
29.0	41.4	51.5	6 600*	43.9	52.5	7 200*	47.4	53.8	8 100*	50.7	54.8	9 200*	55.7	56.0	10 800*				29.0
30.0	38.7	50.3	6 200*	41.3	51.4	6 700*	45.0	52.8	7 500*	48.4	53.9	8 500*	53.6	55.3	10 100*				30.0
31.0	35.8	48.9	5 700*	38.6	50.1	6 200*	42.4	51.7	7 000*	46.0	53.0	7 800*	51.4	54.5	9 400*	56.3	55.5	10 500	31.0
32.0	32.7	47.4	5 300*	35.7	48.8	5 800*	39.8	50.5	6 500*	43.5	51.9	7 300*	49.1	53.6	8 800*	54.2	54.7	9 600	32.0
33.0	29.2	45.6	4 900*	32.5	47.2	5 300*	36.9	49.2	6 000*	40.9	50.8	6 700*	46.8	52.7	8 200*	52.0	53.9	8 800	33.0
34.0	25.3	43.6	4 500*	29.1	45.5	4 900*	33.9	47.7	5 500*	38.1	49.5	6 300*	44.3	51.7	7 600*	49.7	53.1	8 000	34.0
35.0	20.7	41.1	4 200*	25.1	43.4	4 600*	30.6	46.1	5 100*	35.2	48.1	5 800*	41.8	50.6	7 000*	47.4	52.2	7 300	35.0
36.0				20.5	40.9	4 200*	26.9	44.2	4 800*	32.0	46.5	5 400*	39.0	49.3	6 500*	45.0	51.2	6 600	36.0
37.0							22.6	41.9	4 400*	28.5	44.7	5 000*	36.2	48.0	6 000*	42.4	50.1	6 000	37.0
38.0							17.3	38.9	4 100*	24.5	42.6	4 600*	33.1	46.5	5 600*	39.8	48.9	5 400	38.0
39.0										19.7	40.0	4 300*	29.6	44.8	5 100	36.9	47.6	4 800	39.0
40.0													25.8	42.8	4 700	33.9	46.1	4 200	40.0
42.0													15.6	37.2	3 500	26.9	42.6	3 200	42.0
44.0																17.3	37.3	2 200	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

27.4m (90 Ft.) Boom, 70.1m (230 Ft.) Luffing Jib

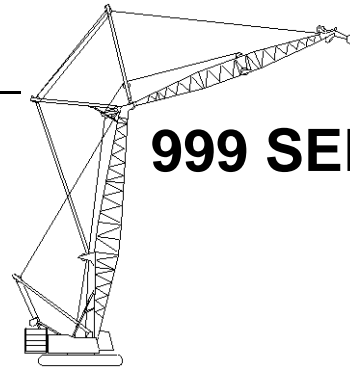
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
13.7	74.8	64.9	25 900*																13.7
14.0	74.3	64.8	25 200*																14.0
15.0	72.7	64.5	22 900*																15.0
16.0	71.0	64.1	20 800*	72.6	64.4	22 800*													16.0
17.0	69.3	63.8	19 100*	70.9	64.0	20 800*													17.0
18.0	67.6	63.3	17 600*	69.3	63.7	19 000*													18.0
19.0	65.9	62.9	16 200*	67.6	63.3	17 500*													19.0
20.0	64.2	62.4	15 100*	65.8	62.8	16 200*	68.3	63.3	18 200*										20.0
21.0	62.4	61.9	14 000*	64.1	62.3	15 000*	66.6	62.8	16 800*										21.0
22.0	60.6	61.3	13 000*	62.3	61.8	13 900*	64.8	62.3	15 500*										22.0
23.0	58.7	60.7	12 100*	60.5	61.2	13 000*	63.1	61.8	14 400*	65.6	62.3	16 000*							23.0
24.0	56.9	60.0	11 300*	58.7	60.6	12 100*	61.3	61.3	13 400*	63.8	61.8	14 900*							24.0
25.0	54.9	59.3	10 600*	56.8	59.9	11 300*	59.4	60.7	12 500*	62.0	61.3	13 800*							25.0
26.0	53.0	58.6	10 000*	54.8	59.2	10 600*	57.6	60.1	11 700*	60.2	60.7	12 900*							26.0
27.0	50.9	57.8	9 300*	52.9	58.5	10 000*	55.7	59.4	10 900*	58.4	60.1	12 000*							27.0
28.0	48.9	56.9	8 700*	50.8	57.7	9 300*	53.7	58.6	10 200*	56.5	59.4	11 200*	60.8	60.3	13 200*				28.0
29.0	46.7	56.0	8 100*	48.8	56.8	8 700*	51.7	57.8	9 600*	54.5	58.7	10 500*	59.0	59.7	12 300*				29.0
30.0	44.5	54.9	7 500*	46.6	55.8	8 100*	49.7	57.0	9 000*	52.6	57.9	9 900*	57.1	59.1	11 500*				30.0
31.0	42.1	53.8	7 000*	44.4	54.8	7 600*	47.5	56.1	8 500*	50.5	57.1	9 300*	55.2	58.4	10 700*				31.0
32.0	39.7	52.7	6 500*	42.0	53.7	7 100*	45.3	55.1	7 900*	48.4	56.2	8 700*	53.2	57.6	10 100*	57.6	58.5	9 800	32.0
33.0	37.1	51.3	6 100*	39.6	52.5	6 600*	43.0	54.0	7 400*	46.2	55.3	8 200*	51.2	56.8	9 500	55.7	57.8	9 000	33.0
34.0	34.3	49.9	5 700*	37.0	51.2	6 100*	40.6	52.9	6 900*	44.0	54.2	7 700*	49.1	55.9	8 800	53.7	57.0	8 200	34.0
35.0	31.3	48.3	5 300*	34.2	49.8	5 700*	38.1	51.6	6 400*	41.6	53.1	7 100*	47.0	55.0	8 100	51.7	56.2	7 500	35.0
36.0	28.1	46.5	5 000*	31.2	48.1	5 400*	35.4	50.2	6 000*	39.2	51.9	6 700*	44.7	54.0	7 400	49.7	55.4	6 800	36.0
37.0	24.4	44.3	4 600*	27.9	46.3	5 000*	32.5	48.7	5 600*	36.5	50.6	6 300*	42.4	52.9	6 700	47.5	54.5	6 200	37.0
38.0	20.0	41.7	4 300*	24.2	44.2	4 700*	29.4	46.9	5 200*	33.7	49.1	5 800*	40.0	51.7	6 100	45.3	53.5	5 600	38.0
39.0				19.8	41.5	4 100*	25.8	44.9	4 900*	30.7	47.4	5 400*	37.4	50.4	5 500	43.0	52.4	5 100	39.0
40.0							21.8	42.6	4 500*	27.4	45.6	5 100*	34.7	49.0	5 000	40.6	51.3	4 500	40.0
42.0										19.0	40.6	4 300*	28.5	45.6	3 900	35.4	48.6	3 500	42.0
44.0													20.6	41.0	3 000	29.4	45.3	2 600	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**



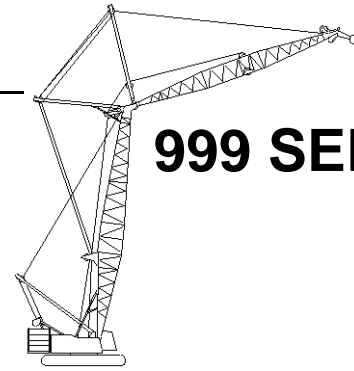
999 SERIES 2

27.4m (90 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
13.7	76.0	68.1	25 000*													13.7
14.0	75.6	68.0	24 400*													14.0
15.0	74.1	67.7	22 100*													15.0
16.0	72.5	67.4	20 100*													16.0
17.0	71.0	67.0	18 400*	72.5	67.3	20 100*										17.0
18.0	69.4	66.6	16 900*	70.9	66.9	18 400*										18.0
19.0	67.9	66.2	15 600*	69.4	66.5	16 900*										19.0
20.0	66.3	65.8	14 400*	67.8	66.1	15 500*	70.0	66.5	17 500*							20.0
21.0	64.7	65.3	13 300*	66.2	65.7	14 300*	68.5	66.1	16 100*							21.0
22.0	63.1	64.8	12 300*	64.6	65.2	13 300*	66.9	65.7	14 800*							22.0
23.0	61.4	64.3	11 400*	63.0	64.7	12 300*	65.3	65.3	13 700*	67.6	65.6	15 300*				23.0
24.0	59.7	63.7	10 700*	61.3	64.2	11 400*	63.7	64.8	12 700*	66.0	65.2	14 200*				24.0
25.0	58.0	63.0	9 900*	59.6	63.6	10 600*	62.0	64.2	11 800*	64.4	64.7	13 100*				25.0
26.0	56.3	62.4	9 200*	57.9	62.9	9 900*	60.4	63.6	11 000*	62.7	64.2	12 200*				26.0
27.0	54.5	61.7	8 600*	56.2	62.3	9 200*	58.7	63.0	10 200*	61.1	63.6	11 300*				27.0
28.0	52.7	60.9	8 100*	54.4	61.5	8 600*	56.9	62.4	9 500*	59.4	63.0	10 500*				28.0
29.0	50.8	60.1	7 500*	52.6	60.8	8 000*	55.2	61.7	8 900*	57.7	62.4	9 800*	61.6	63.2	11 600*	29.0
30.0	48.9	59.2	7 000*	50.7	60.0	7 500*	53.4	60.9	8 300*	55.9	61.7	9 200*	59.9	62.7	10 800*	30.0
31.0	46.9	58.3	6 600*	48.8	59.1	7 000*	51.5	60.1	7 700*	54.1	61.0	8 600*	58.2	62.0	10 100*	31.0
32.0	44.8	57.3	6 200*	46.8	58.2	6 600*	49.6	59.3	7 300*	52.3	60.2	8 000*	56.5	61.4	9 400*	32.0
33.0	42.7	56.2	5 700*	44.7	57.1	6 100*	47.6	58.4	6 800*	50.4	59.4	7 500*	54.7	60.7	8 800*	33.0
34.0	40.5	55.0	5 400*	42.6	56.1	5 700*	45.6	57.4	6 400*	48.5	58.5	7 000*	52.9	59.9	8 200*	34.0
35.0	38.1	53.8	5 000*	40.4	54.9	5 400*	43.5	56.4	5 900*	46.5	57.6	6 500*	51.0	59.1	7 600*	35.0
36.0	35.7	52.4	4 700*	38.0	53.6	5 000*	41.3	55.2	5 500*	44.4	56.6	6 100*	49.1	58.2	7 200*	36.0
37.0	33.0	50.9	4 400*	35.5	52.2	4 700*	39.0	54.0	5 200*	42.2	55.5	5 700*	47.1	57.3	6 700*	37.0
38.0	30.2	49.2	4 100*	32.9	50.7	4 400*	36.6	52.7	4 800*	40.0	54.3	5 300*	45.1	56.3	6 200*	38.0
39.0	27.1	47.3	3 800*	30.0	49.0	4 100*	34.1	51.2	4 500*	37.6	53.0	5 000*	43.0	55.2	5 700*	39.0
40.0	23.5	45.1	3 400*	26.9	47.1	3 800*	31.3	49.6	4 200*	35.1	51.6	4 700*	40.7	54.1	5 100*	40.0
42.0				19.2	42.2	2 600*	24.9	45.7	3 500*	29.6	48.3	4 100*	36.0	51.5	4 100*	42.0
44.0							16.3	40.1	2 400*	22.8	44.1	3 200*	30.5	48.3	3 100*	44.0
46.0													24.0	44.3	2 300	46.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

30.5m (100 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

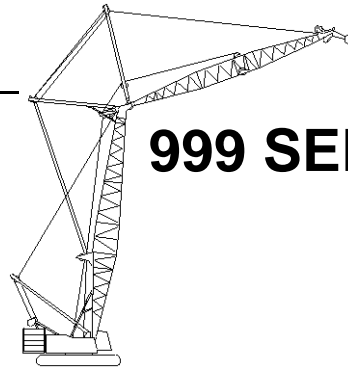
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	57.5	42.8	17 100*																10.7
11.0	55.5	42.5	16 300*																11.0
12.0	49.3	41.6	13 900*																12.0
13.0	42.3	40.6	11 900*	49.7	41.6	14 100*													13.0
14.0	34.0	39.1	10 400*	42.7	40.6	12 000*	53.4	42.0	15 400*										14.0
15.0	23.0	37.0	9 100*	34.6	39.2	10 500*	46.9	41.0	13 200*										15.0
16.0							39.5	39.8	11 300*	50.7	41.3	14 500*							16.0
17.0										43.9	40.3	12 300*	60.2	41.9	19 200* ^b				17.0
18.0										36.0	39.0	10 800*	54.3	41.2	16 000*				18.0
19.0													48.0	40.3	13 500*				19.0
20.0													40.8	39.1	11 700*				20.0
21.0													32.1	37.6	10 300*				21.0
22.0																44.6	38.9	12 800*	22.0
23.0																36.9	37.6	11 000*	23.0
24.0																27.0	35.8	9 600*	24.0

30.5m (100 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
9.1	65.9	43.7	19 600* ^b																9.1
10.0	61.3	43.2	16 700*																10.0
11.0	55.5	42.5	13 400*	61.6	43.2	16 800*													11.0
12.0	49.3	41.6	11 400*	55.9	42.5	13 800*													12.0
13.0	42.3	40.6	9 800*	49.7	41.6	11 500*	59.3	42.7	15 600*										13.0
14.0	34.0	39.1	8 500*	42.7	40.6	9 900*	53.4	42.0	12 800*	62.5	42.8	17 400* ^b							14.0
15.0	23.0	37.0	7 400*	34.6	39.2	8 600*	46.9	41.0	10 900*	56.8	42.1	14 300*							15.0
16.0							39.5	39.8	9 400*	50.7	41.3	11 900*							16.0
17.0										43.9	40.3	10 200*	60.2	41.9	16 100*				17.0
18.0										36.0	39.0	8 800*	54.3	41.2	13 400*				18.0
19.0													48.0	40.3	11 200*				19.0
20.0													40.8	39.1	9 700*				20.0
21.0													32.1	37.6	8 400*				21.0
22.0																44.6	38.9	10 600*	22.0
23.0																36.9	37.6	9 100*	23.0
24.0																27.0	35.8	7 900*	24.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

30.5m (100 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

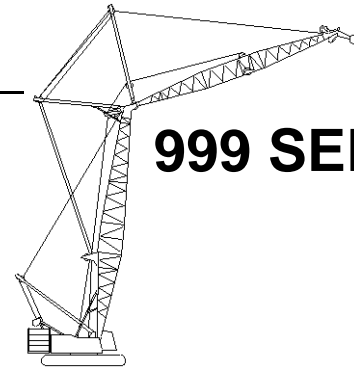
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	65.9	43.7	17 400* ^b																9.1
10.0	61.3	43.2	14 700*																10.0
11.0	55.5	42.5	11 900*	61.6	43.2	14 800*													11.0
12.0	49.3	41.6	10 000*	55.9	42.5	12 200*													12.0
13.0	42.3	40.6	8 600*	49.7	41.6	10 100*	59.3	42.7	13 800*										13.0
14.0	34.0	39.1	7 400*	42.7	40.6	8 700*	53.4	42.0	11 200*	62.5	42.8	15 400*							14.0
15.0	23.0	37.0	6 400*	34.6	39.2	7 500*	46.9	41.0	9 500*	56.8	42.1	12 600*							15.0
16.0							39.5	39.8	8 200*	50.7	41.3	10 400*							16.0
17.0										43.9	40.3	8 900*	60.2	41.9	14 200*				17.0
18.0										36.0	39.0	7 700*	54.3	41.2	11 800*				18.0
19.0													48.0	40.3	9 800*				19.0
20.0													40.8	39.1	8 400*				20.0
21.0													32.1	37.6	7 300*				21.0
22.0																44.6	38.9	9 200*	22.0
23.0																36.9	37.6	7 900*	23.0
24.0																27.0	35.8	6 800*	24.0

30.5m (100 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	71.1	47.0	25 200* ^b																9.1
10.0	67.6	46.7	21 300*																10.0
11.0	63.3	46.1	17 200*	67.8	46.6	21 400*													11.0
12.0	58.9	45.5	14 500*	63.6	46.1	17 600*													12.0
13.0	54.2	44.8	12 500*	59.2	45.5	14 600*	66.1	46.2	20 000*										13.0
14.0	49.2	43.9	10 900*	54.5	44.8	12 600*	61.8	45.7	16 300*										14.0
15.0	43.8	42.9	9 600*	49.5	43.9	11 000*	57.3	45.0	13 800*										15.0
16.0	37.6	41.6	8 400*	44.1	42.9	9 600*	52.5	44.3	11 900*	59.9	45.1	15 400*							16.0
17.0	30.4	40.0	7 500*	38.0	41.7	8 500*	47.3	43.3	10 500*	55.3	44.4	13 000*							17.0
18.0	20.8	37.7	6 700*	30.9	40.1	7 600*	41.7	42.2	9 200*	50.3	43.6	11 300*							18.0
19.0							35.2	40.9	8 200*	45.0	42.6	9 900*	58.0	44.2	14 500*				19.0
20.0										39.1	41.4	8 800*	53.2	43.5	12 300*				20.0
21.0										32.1	39.9	7 800*	48.2	42.6	10 700*				21.0
22.0													42.6	41.5	9 400*				22.0
23.0													36.3	40.2	8 400*	50.9	42.2	11 600*	23.0
24.0																28.8	38.5	7 400*	24.0
25.0																39.7	40.1	8 900*	25.0
26.0																32.9	38.6	7 900*	26.0
27.0																24.3	36.5	7 000*	27.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

30.5m (100 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

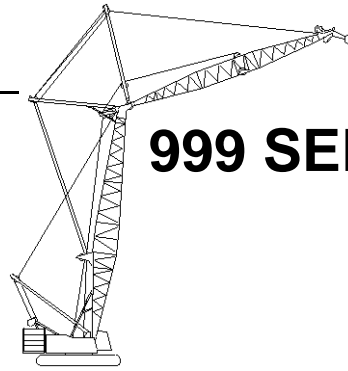
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	65.9	43.7	16 200*	71.5	44.1	21 400* ^b													9.1
10.0	61.3	43.2	13 800*	67.0	43.7	17 600*													10.0
11.0	55.5	42.5	11 200*	61.6	43.2	13 600*													11.0
12.0	49.3	41.6	9 400*	55.9	42.5	11 200*													12.0
13.0	42.3	40.6	8 100*	49.7	41.6	9 500*	59.3	42.7	12 900*										13.0
14.0	34.0	39.1	7 100*	42.7	40.6	8 200*	53.4	42.0	10 500*	62.5	42.8	14 400*							14.0
15.0	23.0	37.0	6 200*	34.6	39.2	7 100*	46.9	41.0	9 000*	56.8	42.1	11 800*							15.0
16.0							39.5	39.8	7 700*	50.7	41.3	9 800*							16.0
17.0										43.9	40.3	8 400*	60.2	41.9	13 200*				17.0
18.0										36.0	39.0	7 300*	54.3	41.2	11 000*				18.0
19.0													48.0	40.3	9 200*				19.0
20.0													40.8	39.1	8 000*				20.0
21.0													32.1	37.6	6 900*				21.0
22.0																44.6	38.9	8 700*	22.0
23.0																36.9	37.6	7 500*	23.0
24.0																27.0	35.8	6 500*	24.0

30.5m (100 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	71.1	47.0	22 600*																9.1
10.0	67.6	46.7	19 100*																10.0
11.0	63.3	46.1	15 400*	67.8	46.6	19 300*													11.0
12.0	58.9	45.5	13 000*	63.6	46.1	15 800*													12.0
13.0	54.2	44.8	11 200*	59.2	45.5	13 100*	66.1	46.2	17 900*										13.0
14.0	49.2	43.9	9 800*	54.5	44.8	11 300*	61.8	45.7	14 600*										14.0
15.0	43.8	42.9	8 500*	49.5	43.9	9 900*	57.3	45.0	12 400*										15.0
16.0	37.6	41.6	7 600*	44.1	42.9	8 700*	52.5	44.3	10 700*	59.9	45.1	13 800*							16.0
17.0	30.4	40.0	6 700*	38.0	41.7	7 700*	47.3	43.3	9 400*	55.3	44.4	11 700*							17.0
18.0	20.8	37.7	6 000*	30.9	40.1	6 800*	41.7	42.2	8 200*	50.3	43.6	10 100*							18.0
19.0							35.2	40.9	7 300*	45.0	42.6	8 900*	58.0	44.2	13 000*				19.0
20.0										39.1	41.4	7 800*	53.2	43.5	11 000*				20.0
21.0										32.1	39.9	7 000*	48.2	42.6	9 600*				21.0
22.0													42.6	41.5	8 400*				22.0
23.0													36.3	40.2	7 500*	50.9	42.2	10 400*	23.0
24.0													28.8	38.5	6 600*	45.6	41.2	9 100*	24.0
25.0																39.7	40.1	8 000*	25.0
26.0																32.9	38.6	7 100*	26.0
27.0																24.3	36.5	6 300*	27.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

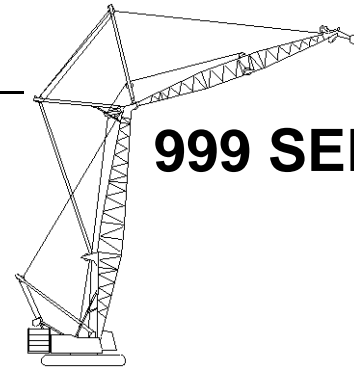
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

30.5m (100 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	74.4	50.2	26 700*																9.1
10.0	71.5	50.0	23 400*																10.0
11.0	68.1	49.5	19 700*	71.7	49.9	24 400*													11.0
12.0	64.6	49.1	16 600*	68.3	49.5	20 100*													12.0
13.0	61.0	48.5	14 200*	64.9	49.0	16 700*													13.0
14.0	57.3	47.9	12 400*	61.2	48.5	14 400*	66.9	49.1	18 700*										14.0
15.0	53.3	47.1	10 900*	57.5	47.8	12 600*	63.4	48.6	15 900*										15.0
16.0	49.2	46.2	9 700*	53.6	47.1	11 000*	59.7	48.0	13 600*										16.0
17.0	44.7	45.2	8 700*	49.4	46.2	9 800*	55.9	47.3	12 000*	61.8	48.1	14 900*							17.0
18.0	39.8	44.1	7 800*	45.0	45.2	8 700*	51.9	46.6	10 500*	58.1	47.5	13 000*							18.0
19.0	34.3	42.6	7 000*	40.1	44.1	7 800*	47.6	45.6	9 400*	54.2	46.7	11 300*							19.0
20.0	27.8	40.8	6 300*	34.7	42.7	7 100*	43.0	44.6	8 400*	50.1	45.9	10 100*	60.3	47.2	14 100*				20.0
21.0	19.2	38.3	5 700*	28.3	40.9	6 400*	38.0	43.3	7 500*	45.7	44.9	8 900*	56.5	46.5	12 300*				21.0
22.0							32.2	41.8	6 800*	40.9	43.8	8 000*	52.5	45.8	10 800*				22.0
23.0										35.6	42.4	7 200*	48.3	44.9	9 600*				23.0
24.0										29.4	40.7	6 500*	43.8	43.9	8 600*				24.0
25.0													38.8	42.6	7 700*	50.5	44.5	10 300*	25.0
26.0													33.1	41.1	7 000*	46.2	43.6	9 200*	26.0
27.0													26.4	39.2	6 300*	41.4	42.4	8 200*	27.0
28.0																36.2	41.1	7 400*	28.0
29.0																30.1	39.4	6 600*	29.0
30.0																22.4	37.2	6 000*	30.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

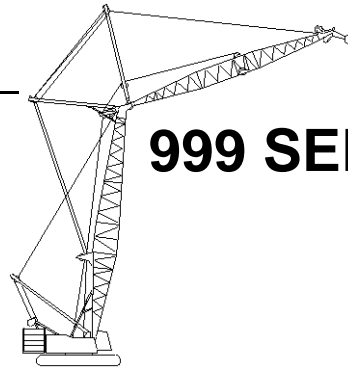
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

30.5m (100 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	72.4	53.0	26 700*																10.7
11.0	71.4	52.8	25 500*																11.0
12.0	68.5	52.4	21 800*																12.0
13.0	65.6	52.0	18 700*	68.7	52.4	22 200*													13.0
14.0	62.5	51.4	16 300*	65.7	51.9	18 900*													14.0
15.0	59.4	50.8	14 400*	62.7	51.4	16 400*													15.0
16.0	56.1	50.2	12 700*	59.6	50.8	14 500*	64.5	51.5	18 000*										16.0
17.0	52.7	49.4	11 400*	56.3	50.1	12 900*	61.4	51.0	15 700*	66.2	51.5	19 500*							17.0
18.0	49.1	48.5	10 300*	52.9	49.4	11 500*	58.2	50.4	13 800*	63.2	51.0	17 000*							18.0
19.0	45.4	47.6	9 300*	49.4	48.5	10 300*	54.9	49.6	12 300*	60.1	50.4	14 900*							19.0
20.0	41.3	46.4	8 400*	45.6	47.5	9 400*	51.5	48.8	11 100*	56.8	49.8	13 200*							20.0
21.0	36.8	45.1	7 700*	41.6	46.4	8 500*	47.8	47.9	10 000*	53.5	49.0	11 800*							21.0
22.0	31.8	43.6	7 000*	37.1	45.1	7 700*	44.0	46.9	9 000*	49.9	48.2	10 600*	58.7	49.5	14 300*				22.0
23.0	25.9	41.6	6 400*	32.2	43.6	7 000*	39.8	45.7	8 200*	46.2	47.3	9 600*	55.4	48.9	12 700*				23.0
24.0	18.1	38.9	5 900*	26.3	41.7	6 400*	35.1	44.3	7 500*	42.2	46.2	8 700*	52.0	48.1	11 400*				24.0
25.0							29.9	42.7	6 800*	37.9	44.9	7 900*	48.4	47.2	10 200*				25.0
26.0										33.0	43.4	7 200*	44.6	46.2	9 300*	53.8	47.6	12 100*	26.0
27.0										27.3	41.5	6 600*	40.4	45.0	8 400*	50.3	46.8	10 900*	27.0
28.0													35.9	43.7	7 700*	46.6	45.9	9 800*	28.0
29.0													30.7	42.0	7 000*	42.6	44.8	8 900*	29.0
30.0													24.6	40.0	6 400*	38.3	43.5	8 100*	30.0
31.0																33.5	42.1	7 400*	31.0
32.0																27.9	40.3	6 700*	32.0
33.0																20.9	37.9	6 100*	33.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

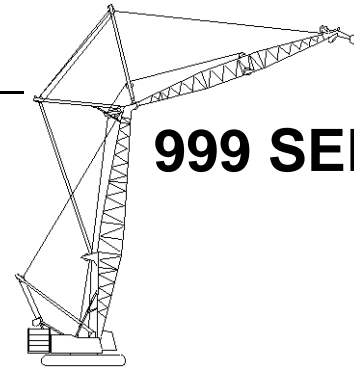
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

30.5m (100 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	74.7	56.2	26 700*																10.7
11.0	73.9	56.1	26 400*																11.0
12.0	71.4	55.7	25 500*																12.0
13.0	68.8	55.3	23 200*	71.5	55.7	25 100*													13.0
14.0	66.2	54.9	19 700*	69.0	55.3	23 000*													14.0
15.0	63.6	54.4	17 500*	66.4	54.8	20 100*													15.0
16.0	60.9	53.8	15 600*	63.8	54.3	17 600*	67.9	54.9	21 800*										16.0
17.0	58.1	53.2	14 000*	61.1	53.8	15 800*	65.3	54.4	19 000*										17.0
18.0	55.2	52.5	12 600*	58.3	53.1	14 100*	62.7	53.9	16 900*										18.0
19.0	52.2	51.7	11 500*	55.4	52.5	12 800*	59.9	53.3	15 100*	64.2	53.9	18 200*							19.0
20.0	49.1	50.8	10 500*	52.4	51.7	11 600*	57.1	52.7	13 600*	61.5	53.4	16 200*							20.0
21.0	45.8	49.9	9 600*	49.3	50.8	10 600*	54.2	52.0	12 300*	58.7	52.8	14 500*							21.0
22.0	42.4	48.8	8 800*	46.0	49.9	9 700*	51.2	51.1	11 200*	55.9	52.1	13 100*							22.0
23.0	38.6	47.6	8 100*	42.6	48.8	8 900*	48.0	50.2	10 300*	52.9	51.3	11 900*	60.4	52.5	15 500*				23.0
24.0	34.5	46.1	7 400*	38.8	47.6	8 100*	44.6	49.2	9 400*	49.8	50.5	10 800*	57.5	51.9	14 000*				24.0
25.0	29.8	44.4	6 900*	34.7	46.1	7 500*	41.1	48.1	8 600*	46.6	49.6	9 900*	54.7	51.2	12 600*				25.0
26.0	24.4	42.3	6 300*	30.1	44.5	6 900*	37.2	46.8	7 900*	43.1	48.5	9 100*	51.6	50.4	11 500*				26.0
27.0	17.2	39.5	5 900*	24.7	42.4	6 400*	32.9	45.3	7 300*	39.4	47.3	8 400*	48.5	49.5	10 500*				27.0
28.0							28.0	43.5	6 700*	35.4	45.9	7 700*	45.2	48.5	9 600*	53.2	49.9	12 200*	28.0
29.0										30.9	44.3	7 100*	41.6	47.4	8 800*	50.1	49.1	11 100*	29.0
30.0										25.7	42.3	6 500*	37.8	46.1	8 100*	46.9	48.2	10 100*	30.0
31.0													33.6	44.6	7 500*	43.5	47.1	9 300*	31.0
32.0													28.8	42.9	6 900*	39.8	45.9	8 500*	32.0
33.0													23.1	40.7	6 400*	35.8	44.6	7 900*	33.0
34.0																31.4	43.0	7 200*	34.0
35.0																26.3	41.0	6 700*	35.0
36.0																19.8	38.5	6 200*	36.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

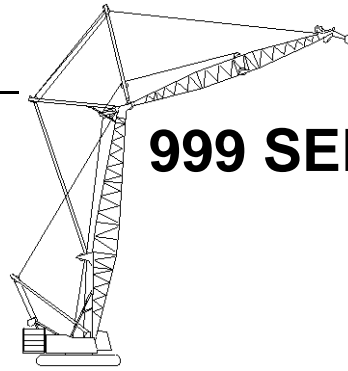
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

30.5m (100 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	73.1	58.9	26 700*																12.2
13.0	71.3	58.6	26 200*																13.0
14.0	69.1	58.2	25 300*	71.4	58.5	26 300*													14.0
15.0	66.8	57.8	22 600*	69.2	58.1	24 900*													15.0
16.0	64.4	57.3	20 100*	66.9	57.7	22 900*													16.0
17.0	62.1	56.7	18 100*	64.6	57.2	20 300*	68.2	57.8	24 300*										17.0
18.0	59.6	56.2	16 400*	62.2	56.7	18 300*	65.9	57.3	21 800*										18.0
19.0	57.1	55.5	14 900*	59.8	56.1	16 600*	63.6	56.8	19 500*										19.0
20.0	54.6	54.8	13 600*	57.3	55.5	15 100*	61.2	56.3	17 600*	65.0	56.9	20 800*							20.0
21.0	51.9	54.0	12 500*	54.7	54.8	13 800*	58.8	55.7	16 000*	62.6	56.3	18 800*							21.0
22.0	49.1	53.1	11 500*	52.0	54.0	12 600*	56.2	55.0	14 600*	60.2	55.8	16 900*							22.0
23.0	46.2	52.2	10 600*	49.3	53.1	11 600*	53.6	54.3	13 300*	57.7	55.1	15 400*							23.0
24.0	43.2	51.1	9 800*	46.4	52.2	10 700*	50.9	53.4	12 300*	55.1	54.4	14 100*							24.0
25.0	39.9	49.9	9 000*	43.3	51.1	9 900*	48.1	52.6	11 300*	52.5	53.7	12 900*	59.1	54.9	16 400*				25.0
26.0	36.4	48.6	8 400*	40.1	49.9	9 100*	45.1	51.6	10 400*	49.7	52.8	11 900*	56.6	54.2	14 900*				26.0
27.0	32.6	47.1	7 800*	36.6	48.6	8 500*	42.0	50.5	9 700*	46.9	51.9	11 000*	54.0	53.5	13 700*				27.0
28.0	28.2	45.3	7 300*	32.8	47.1	7 900*	38.7	49.2	8 900*	43.8	50.8	10 100*	51.3	52.7	12 600*				28.0
29.0	23.1	43.1	6 800*	28.5	45.3	7 300*	35.1	47.8	8 300*	40.6	49.7	9 400*	48.5	51.8	11 600*	55.4	53.0	14 400*	29.0
30.0	16.5	40.1	6 300*	23.5	43.1	6 800*	31.1	46.2	7 700*	37.2	48.4	8 700*	45.6	50.8	10 700*	52.7	52.2	13 200*	30.0
31.0							26.5	44.3	7 200*	33.4	46.9	8 100*	42.5	49.7	9 900*	50.0	51.4	12 200*	31.0
32.0							21.1	41.9	6 700*	29.2	45.2	7 500*	39.2	48.5	9 200*	47.2	50.5	11 200*	32.0
33.0										24.4	43.1	7 000*	35.7	47.1	8 500*	44.2	49.5	10 400*	33.0
34.0													31.7	45.6	7 900*	41.0	48.3	9 600*	34.0
35.0													27.3	43.7	7 400*	37.6	47.0	8 900*	35.0
36.0													22.0	41.4	6 900*	33.8	45.6	8 300*	36.0
37.0																29.7	43.9	7 700*	37.0
38.0																24.9	41.8	7 200*	38.0
39.0																18.9	39.1	6 700*	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

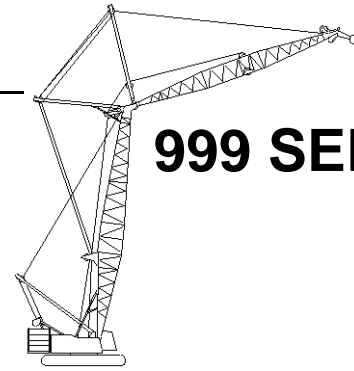
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

30.5m (100 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	74.7	56.2	26 700*																10.7
11.0	73.9	56.1	26 000*																11.0
12.0	71.4	55.7	23 800*																12.0
13.0	68.8	55.3	21 200*	71.5	55.7	24 200*													13.0
14.0	66.2	54.9	18 300*	69.0	55.3	21 100*													14.0
15.0	63.6	54.4	16 100*	66.4	54.8	18 500*													15.0
16.0	60.9	53.8	14 400*	63.8	54.3	16 300*	67.9	54.9	20 100*										16.0
17.0	58.1	53.2	13 000*	61.1	53.8	14 600*	65.3	54.4	17 600*										17.0
18.0	55.2	52.5	11 700*	58.3	53.1	13 100*	62.7	53.9	15 600*										18.0
19.0	52.2	51.7	10 600*	55.4	52.5	11 800*	59.9	53.3	14 000*	64.2	53.9	16 800*							19.0
20.0	49.1	50.8	9 700*	52.4	51.7	10 700*	57.1	52.7	12 600*	61.5	53.4	14 900*							20.0
21.0	45.8	49.9	8 800*	49.3	50.8	9 700*	54.2	52.0	11 400*	58.7	52.8	13 400*							21.0
22.0	42.4	48.8	8 100*	46.0	49.9	8 900*	51.2	51.1	10 300*	55.9	52.1	12 100*							22.0
23.0	38.6	47.6	7 400*	42.6	48.8	8 200*	48.0	50.2	9 400*	52.9	51.3	11 000*	60.4	52.5	14 300*				23.0
24.0	34.5	46.1	6 800*	38.8	47.6	7 500*	44.6	49.2	8 600*	49.8	50.5	10 000*	57.5	51.9	12 900*				24.0
25.0	29.8	44.4	6 300*	34.7	46.1	6 900*	41.1	48.1	7 900*	46.6	49.6	9 100*	54.7	51.2	11 700*				25.0
26.0	24.4	42.3	5 800*	30.1	44.5	6 300*	37.2	46.8	7 300*	43.1	48.5	8 400*	51.6	50.4	10 600*				26.0
27.0	17.2	39.5	5 400*	24.7	42.4	5 900*	32.9	45.3	6 700*	39.4	47.3	7 700*	48.5	49.5	9 700*				27.0
28.0							28.0	43.5	6 200*	35.4	45.9	7 100*	45.2	48.5	8 900*	53.2	49.9	11 200*	28.0
29.0										30.9	44.3	6 500*	41.6	47.4	8 100*	50.1	49.1	10 200*	29.0
30.0										25.7	42.3	6 000*	37.8	46.1	7 500*	46.9	48.2	9 300*	30.0
31.0													33.6	44.6	6 900*	43.5	47.1	8 600*	31.0
32.0													28.8	42.9	6 300*	39.8	45.9	7 900*	32.0
33.0													23.1	40.7	5 900*	35.8	44.6	7 200*	33.0
34.0																31.4	43.0	6 700*	34.0
35.0																26.3	41.0	6 200*	35.0
36.0																19.8	38.5	5 700*	36.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

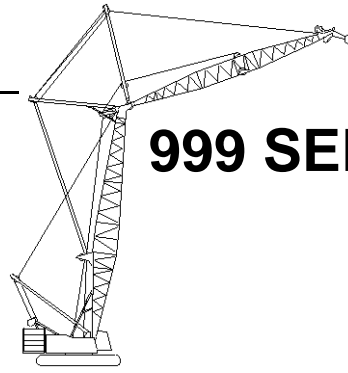
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

30.5m (100 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle				86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m		
	Jib		Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall				
	Ang. Deg.	Elev. m	Capacity Kilograms	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms		Ang. Deg.	Elev. m		Capacity Kilograms	Ang. Deg.		Elev. m	Capacity Kilograms
12.2	73.1	58.9	26 700*																	12.2		
13.0	71.3	58.6	25 300*																	13.0		
14.0	69.1	58.2	23 400*	71.4	58.5	26 000*														14.0		
15.0	66.8	57.8	20 800*	69.2	58.1	23 400*														15.0		
16.0	64.4	57.3	18 400*	66.9	57.7	20 900*														16.0		
17.0	62.1	56.7	16 500*	64.6	57.2	18 600*	68.2	57.8	22 400*											17.0		
18.0	59.6	56.2	15 000*	62.2	56.7	16 700*	65.9	57.3	20 000*											18.0		
19.0	57.1	55.5	13 600*	59.8	56.1	15 100*	63.6	56.8	17 800*											19.0		
20.0	54.6	54.8	12 400*	57.3	55.5	13 800*	61.2	56.3	16 100*	65.0	56.9	19 100*								20.0		
21.0	51.9	54.0	11 400*	54.7	54.8	12 600*	58.8	55.7	14 600*	62.6	56.3	17 200*								21.0		
22.0	49.1	53.1	10 500*	52.0	54.0	11 500*	56.2	55.0	13 300*	60.2	55.8	15 500*								22.0		
23.0	46.2	52.2	9 600*	49.3	53.1	10 600*	53.6	54.3	12 200*	57.7	55.1	14 100*								23.0		
24.0	43.2	51.1	8 900*	46.4	52.2	9 800*	50.9	53.4	11 200*	55.1	54.4	12 900*								24.0		
25.0	39.9	49.9	8 300*	43.3	51.1	9 000*	48.1	52.6	10 300*	52.5	53.7	11 800*	59.1	54.9	15 000*					25.0		
26.0	36.4	48.6	7 700*	40.1	49.9	8 300*	45.1	51.6	9 500*	49.7	52.8	10 900*	56.6	54.2	13 700*					26.0		
27.0	32.6	47.1	7 100*	36.6	48.6	7 700*	42.0	50.5	8 800*	46.9	51.9	10 000*	54.0	53.5	12 500*					27.0		
28.0	28.2	45.3	6 600*	32.8	47.1	7 200*	38.7	49.2	8 100*	43.8	50.8	9 200*	51.3	52.7	11 500*					28.0		
29.0	23.1	43.1	6 100*	28.5	45.3	6 600*	35.1	47.8	7 500*	40.6	49.7	8 600*	48.5	51.8	10 600*	55.4	53.0	13 100*		29.0		
30.0	16.5	40.1	5 700*	23.5	43.1	6 200*	31.1	46.2	7 000*	37.2	48.4	8 000*	45.6	50.8	9 800*	52.7	52.2	12 100*		30.0		
31.0							26.5	44.3	6 500*	33.4	46.9	7 400*	42.5	49.7	9 100*	50.0	51.4	11 100*		31.0		
32.0							21.1	41.9	6 100*	29.2	45.2	6 800*	39.2	48.5	8 400*	47.2	50.5	10 200*		32.0		
33.0										24.4	43.1	6 400*	35.7	47.1	7 800*	44.2	49.5	9 500*		33.0		
34.0													31.7	45.6	7 200*	41.0	48.3	8 800*		34.0		
35.0													27.3	43.7	6 700*	37.6	47.0	8 100*		35.0		
36.0													22.0	41.4	6 300*	33.8	45.6	7 500*		36.0		
37.0																			29.7	43.9	6 900	37.0
38.0																			24.9	41.8	6 200	38.0
39.0																			18.9	39.1	5 600	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

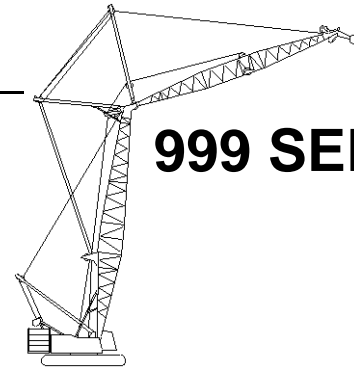
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

30.5m (100 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	74.7	56.2	26 700*																10.7
11.0	73.9	56.1	25 600*																11.0
12.0	71.4	55.7	22 300*																12.0
13.0	68.8	55.3	19 400*	71.5	55.7	22 800*													13.0
14.0	66.2	54.9	16 900*	69.0	55.3	19 500*													14.0
15.0	63.6	54.4	15 000*	66.4	54.8	17 000*													15.0
16.0	60.9	53.8	13 300*	63.8	54.3	15 100*	67.9	54.9	18 600*										16.0
17.0	58.1	53.2	11 900*	61.1	53.8	13 500*	65.3	54.4	16 200*										17.0
18.0	55.2	52.5	10 800*	58.3	53.1	12 100*	62.7	53.9	14 400*										18.0
19.0	52.2	51.7	9 800*	55.4	52.5	10 900*	59.9	53.3	12 900*	64.2	53.9	15 600*							19.0
20.0	49.1	50.8	8 900*	52.4	51.7	9 900*	57.1	52.7	11 700*	61.5	53.4	13 800*							20.0
21.0	45.8	49.9	8 100*	49.3	50.8	9 000*	54.2	52.0	10 500*	58.7	52.8	12 400*							21.0
22.0	42.4	48.8	7 400*	46.0	49.9	8 200*	51.2	51.1	9 600*	55.9	52.1	11 200*							22.0
23.0	38.6	47.6	6 800*	42.6	48.8	7 500*	48.0	50.2	8 700*	52.9	51.3	10 200*	60.4	52.5	13 300*				23.0
24.0	34.5	46.1	6 300*	38.8	47.6	6 900*	44.6	49.2	8 000*	49.8	50.5	9 200*	57.5	51.9	12 000*				24.0
25.0	29.8	44.4	5 800*	34.7	46.1	6 300*	41.1	48.1	7 300*	46.6	49.6	8 400*	54.7	51.2	10 800*				25.0
26.0	24.4	42.3	5 400*	30.1	44.5	5 800*	37.2	46.8	6 700*	43.1	48.5	7 700*	51.6	50.4	9 800*				26.0
27.0	17.2	39.5	5 000*	24.7	42.4	5 400*	32.9	45.3	6 200*	39.4	47.3	7 100*	48.5	49.5	8 900*				27.0
28.0							28.0	43.5	5 700*	35.4	45.9	6 500*	45.2	48.5	8 200*	53.2	49.9	10 400*	28.0
29.0										30.9	44.3	6 000*	41.6	47.4	7 500*	50.1	49.1	9 400*	29.0
30.0										25.7	42.3	5 500*	37.8	46.1	6 900*	46.9	48.2	8 600*	30.0
31.0													33.6	44.6	6 300*	43.5	47.1	7 900*	31.0
32.0													28.8	42.9	5 800*	39.8	45.9	7 300*	32.0
33.0													23.1	40.7	5 400*	35.8	44.6	6 700*	33.0
34.0																31.4	43.0	6 200*	34.0
35.0																26.3	41.0	5 700*	35.0
36.0																19.8	38.5	5 300*	36.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

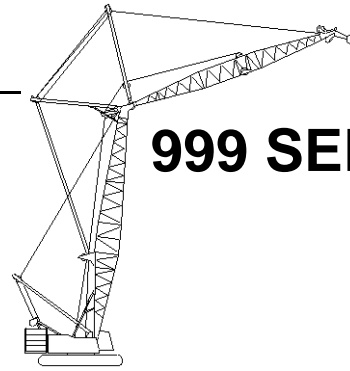
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

30.5m (100 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	73.1	58.9	26 700*																12.2
13.0	71.3	58.6	24 300*																13.0
14.0	69.1	58.2	21 400*	71.4	58.5	24 700*													14.0
15.0	66.8	57.8	19 000*	69.2	58.1	21 700*													15.0
16.0	64.4	57.3	16 900*	66.9	57.7	19 100*													16.0
17.0	62.1	56.7	15 200*	64.6	57.2	17 100*	68.2	57.8	20 600*										17.0
18.0	59.6	56.2	13 800*	62.2	56.7	15 400*	65.9	57.3	18 400*										18.0
19.0	57.1	55.5	12 500*	59.8	56.1	13 900*	63.6	56.8	16 400*										19.0
20.0	54.6	54.8	11 400*	57.3	55.5	12 600*	61.2	56.3	14 800*	65.0	56.9	17 500*							20.0
21.0	51.9	54.0	10 400*	54.7	54.8	11 500*	58.8	55.7	13 400*	62.6	56.3	15 800*							21.0
22.0	49.1	53.1	9 600*	52.0	54.0	10 600*	56.2	55.0	12 200*	60.2	55.8	14 300*							22.0
23.0	46.2	52.2	8 800*	49.3	53.1	9 700*	53.6	54.3	11 200*	57.7	55.1	13 000*							23.0
24.0	43.2	51.1	8 100*	46.4	52.2	8 900*	50.9	53.4	10 300*	55.1	54.4	11 900*							24.0
25.0	39.9	49.9	7 500*	43.3	51.1	8 200*	48.1	52.6	9 500*	52.5	53.7	10 900*	59.1	54.9	13 900*				25.0
26.0	36.4	48.6	7 000*	40.1	49.9	7 600*	45.1	51.6	8 700*	49.7	52.8	10 000*	56.6	54.2	12 600*				26.0
27.0	32.6	47.1	6 500*	36.6	48.6	7 100*	42.0	50.5	8 100*	46.9	51.9	9 200*	54.0	53.5	11 500*				27.0
28.0	28.2	45.3	6 000*	32.8	47.1	6 600*	38.7	49.2	7 500*	43.8	50.8	8 500*	51.3	52.7	10 600*				28.0
29.0	23.1	43.1	5 600*	28.5	45.3	6 100*	35.1	47.8	6 900*	40.6	49.7	7 900*	48.5	51.8	9 700*	55.4	53.0	11 900	29.0
30.0	16.5	40.1	5 200*	23.5	43.1	5 700*	31.1	46.2	6 400*	37.2	48.4	7 300*	45.6	50.8	9 000*	52.7	52.2	10 900	30.0
31.0							26.5	44.3	6 000*	33.4	46.9	6 800*	42.5	49.7	8 300*	50.0	51.4	9 900	31.0
32.0							21.1	41.9	5 500*	29.2	45.2	6 300*	39.2	48.5	7 700*	47.2	50.5	9 000	32.0
33.0										24.4	43.1	5 800*	35.7	47.1	7 100*	44.2	49.5	8 200	33.0
34.0													31.7	45.6	6 600*	41.0	48.3	7 400	34.0
35.0													27.3	43.7	6 100*	37.6	47.0	6 700	35.0
36.0													22.0	41.4	5 700*	33.8	45.6	6 000	36.0
37.0																29.7	43.9	5 300	37.0
38.0																24.9	41.8	4 600	38.0
39.0																18.9	39.1	4 000	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

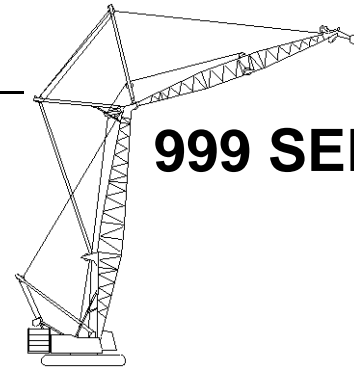
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

30.5m (100 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	74.8	62.1	26 700*																12.2
13.0	73.3	61.8	25 700*																13.0
14.0	71.3	61.5	24 300*	73.4	61.8	26 100*													14.0
15.0	69.2	61.1	22 000*	71.4	61.4	24 200*													15.0
16.0	67.2	60.7	19 800*	69.4	61.0	22 100*													16.0
17.0	65.1	60.2	17 900*	67.3	60.6	20 000*	70.5	61.1	23 300*										17.0
18.0	63.0	59.7	16 200*	65.2	60.1	18 100*	68.5	60.7	21 200*										18.0
19.0	60.8	59.1	14 800*	63.1	59.6	16 400*	66.5	60.2	19 200*										19.0
20.0	58.6	58.5	13 500*	61.0	59.1	14 900*	64.4	59.7	17 400*	67.6	60.2	20 300*							20.0
21.0	56.3	57.8	12 400*	58.7	58.5	13 600*	62.2	59.2	15 800*	65.6	59.8	18 400*							21.0
22.0	54.0	57.1	11 400*	56.5	57.8	12 500*	60.0	58.6	14 400*	63.5	59.3	16 700*							22.0
23.0	51.6	56.3	10 500*	54.1	57.1	11 600*	57.8	58.0	13 300*	61.3	58.7	15 300*							23.0
24.0	49.1	55.4	9 800*	51.7	56.3	10 700*	55.5	57.3	12 200*	59.1	58.1	14 000*							24.0
25.0	46.5	54.5	9 000*	49.3	55.4	9 900*	53.2	56.6	11 300*	56.8	57.4	12 900*							25.0
26.0	43.8	53.5	8 400*	46.7	54.5	9 100*	50.7	55.7	10 400*	54.5	56.7	11 900*	60.4	57.8	14 800*				26.0
27.0	40.9	52.3	7 800*	44.0	53.4	8 500*	48.2	54.9	9 600*	52.1	56.0	11 000*	58.2	57.2	13 600*				27.0
28.0	37.9	51.0	7 300*	41.1	52.3	7 900*	45.6	53.9	9 000*	49.7	55.1	10 100*	55.9	56.5	12 500*				28.0
29.0	34.6	49.6	6 800*	38.1	51.0	7 400*	42.8	52.8	8 300*	47.1	54.2	9 400*	53.5	55.8	11 600*				29.0
30.0	31.0	48.0	6 300*	34.8	49.6	6 900*	39.9	51.6	7 700*	44.4	53.2	8 700*	51.1	55.0	10 700*				30.0
31.0	26.9	46.1	5 900*	31.2	48.0	6 400*	36.7	50.3	7 200*	41.6	52.0	8 100*	48.6	54.1	9 900*	54.8	55.3	10 200	31.0
32.0	22.1	43.8	5 500*	27.2	46.1	5 900*	33.3	48.8	6 700*	38.5	50.8	7 600*	46.0	53.1	9 200*	52.4	54.5	9 300	32.0
33.0	16.0	40.6	4 900*	22.4	43.8	5 600*	29.6	47.1	6 300*	35.3	49.4	7 100*	43.2	52.1	8 600*	49.9	53.7	8 500	33.0
34.0							25.3	45.0	5 900*	31.8	47.8	6 600*	40.3	50.9	8 000	47.3	52.8	7 700	34.0
35.0							20.2	42.5	5 500*	27.8	46.0	6 100*	37.2	49.6	7 500	44.7	51.8	7 000	35.0
36.0										23.3	43.8	5 700*	33.9	48.1	6 800	41.8	50.7	6 300	36.0
37.0													30.2	46.5	6 100	38.9	49.4	5 600	37.0
38.0													26.0	44.5	5 500	35.6	48.1	5 000	38.0
39.0													21.1	42.1	4 800	32.2	46.5	4 400	39.0
40.0																28.3	44.7	3 900	40.0
42.0																18.2	39.7	2 800	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

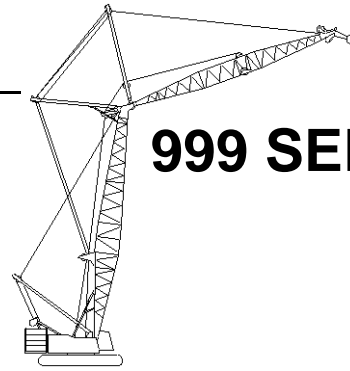
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

30.5m (100 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
13.7	73.5	64.8	24 100*																13.7
14.0	73.0	64.7	23 500*																14.0
15.0	71.2	64.3	21 200*																15.0
16.0	69.4	64.0	19 200*	71.3	64.3	21 400*													16.0
17.0	67.5	63.5	17 500*	69.5	63.9	19 300*													17.0
18.0	65.6	63.1	16 100*	67.6	63.5	17 600*													18.0
19.0	63.7	62.6	14 800*	65.8	63.0	16 100*	68.7	63.6	18 700*										19.0
20.0	61.8	62.1	13 600*	63.8	62.5	14 900*	66.9	63.1	17 000*										20.0
21.0	59.8	61.5	12 600*	61.9	62.0	13 700*	65.0	62.7	15 600*										21.0
22.0	57.8	60.8	11 700*	59.9	61.4	12 700*	63.0	62.1	14 400*	66.1	62.7	16 400*							22.0
23.0	55.7	60.2	10 800*	57.9	60.8	11 800*	61.1	61.6	13 300*	64.1	62.2	15 100*							23.0
24.0	53.6	59.4	10 000*	55.8	60.1	10 900*	59.1	61.0	12 300*	62.2	61.6	13 900*							24.0
25.0	51.4	58.6	9 200*	53.7	59.4	10 100*	57.0	60.3	11 400*	60.2	61.1	12 800*							25.0
26.0	49.1	57.7	8 500*	51.5	58.6	9 300*	54.9	59.6	10 600*	58.2	60.4	11 900*							26.0
27.0	46.7	56.8	7 800*	49.2	57.7	8 600*	52.8	58.9	9 800*	56.1	59.8	11 000*							27.0
28.0	44.3	55.8	7 200*	46.9	56.8	7 900*	50.6	58.0	9 100*	54.0	59.0	10 300*	59.4	60.2	12 400*				28.0
29.0	41.7	54.7	6 700*	44.4	55.8	7 300*	48.3	57.2	8 400*	51.8	58.3	9 600*	57.4	59.5	11 500*				29.0
30.0	39.0	53.4	6 200*	41.9	54.7	6 800*	45.9	56.2	7 800*	49.6	57.4	8 900*	55.3	58.8	10 700*				30.0
31.0	36.1	52.1	5 700*	39.2	53.4	6 300*	43.4	55.1	7 200*	47.3	56.5	8 200*	53.1	58.1	10 000*				31.0
32.0	33.0	50.6	5 300*	36.3	52.1	5 800*	40.8	54.0	6 600*	44.8	55.5	7 600*	50.9	57.3	9 300*	56.4	58.3	9 300	32.0
33.0	29.6	48.9	4 900*	33.2	50.6	5 400*	38.0	52.7	6 100*	42.3	54.4	7 000*	48.6	56.4	8 700*	54.2	57.6	8 600	33.0
34.0	25.8	46.9	4 500*	29.8	48.9	5 000*	35.0	51.3	5 700*	39.6	53.2	6 500*	46.3	55.4	8 000*	52.1	56.8	7 800	34.0
35.0	21.3	44.4	4 200*	26.0	46.9	4 600*	31.8	49.7	5 300*	36.8	51.9	6 000*	43.8	54.4	7 400*	49.8	56.0	7 100	35.0
36.0	15.5	41.2	3 300*	21.6	44.5	4 300*	28.3	47.9	4 900*	33.7	50.4	5 600*	41.2	53.3	6 900	47.5	55.1	6 400	36.0
37.0							24.3	45.8	4 500*	30.4	48.7	5 200*	38.5	52.0	6 300	45.1	54.1	5 800	37.0
38.0							19.4	43.2	4 200*	26.7	46.8	4 800*	35.5	50.6	5 700	42.6	53.0	5 200	38.0
39.0										22.3	44.5	4 400*	32.4	49.1	5 100	39.9	51.8	4 600	39.0
40.0													28.9	47.3	4 500	37.1	50.5	4 100	40.0
42.0													20.3	42.7	3 500	30.7	47.4	3 100	42.0
44.0																22.8	43.2	2 100	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

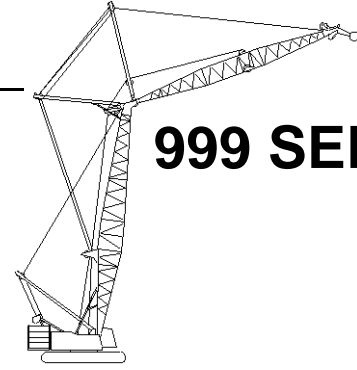
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

30.5m (100 Ft.) Boom, 70.1m (230 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
13.7	75.0	68.0	26 200*													13.7
14.0	74.5	67.9	25 500*													14.0
15.0	72.9	67.6	23 100*													15.0
16.0	71.2	67.2	21 100*													16.0
17.0	69.5	66.8	19 300*	71.3	67.2	21 300*										17.0
18.0	67.8	66.4	17 800*	69.6	66.8	19 500*										18.0
19.0	66.1	66.0	16 400*	67.9	66.4	17 900*										19.0
20.0	64.3	65.5	15 200*	66.2	65.9	16 500*	68.9	66.4	18 800*							20.0
21.0	62.6	65.0	14 100*	64.5	65.5	15 300*	67.2	66.0	17 300*							21.0
22.0	60.8	64.4	13 100*	62.7	64.9	14 200*	65.5	65.6	16 000*							22.0
23.0	58.9	63.8	12 300*	60.9	64.4	13 200*	63.7	65.1	14 900*	66.5	65.6	16 700*				23.0
24.0	57.1	63.2	11 500*	59.0	63.8	12 300*	61.9	64.5	13 800*	64.7	65.1	15 500*				24.0
25.0	55.1	62.5	10 700*	57.2	63.1	11 500*	60.1	63.9	12 900*	63.0	64.6	14 400*				25.0
26.0	53.2	61.7	10 000*	55.3	62.4	10 800*	58.3	63.3	12 000*	61.2	64.0	13 400*				26.0
27.0	51.2	60.9	9 400*	53.3	61.7	10 100*	56.4	62.7	11 200*	59.3	63.4	12 500*				27.0
28.0	49.1	60.0	8 700*	51.3	60.9	9 500*	54.5	61.9	10 500*	57.5	62.8	11 700*				28.0
29.0	46.9	59.1	8 100*	49.2	60.0	8 900*	52.5	61.2	9 900*	55.6	62.1	10 900*	60.4	63.1	13 000	29.0
30.0	44.7	58.1	7 500*	47.1	59.1	8 200*	50.4	60.3	9 200*	53.6	61.3	10 200*	58.6	62.5	12 100	30.0
31.0	42.4	57.0	7 000*	44.8	58.1	7 600*	48.3	59.5	8 700*	51.6	60.6	9 600*	56.7	61.9	11 100	31.0
32.0	39.9	55.8	6 500*	42.5	57.0	7 100*	46.2	58.5	8 100*	49.5	59.7	9 000*	54.8	61.2	10 300	32.0
33.0	37.4	54.5	6 100*	40.1	55.8	6 600*	43.9	57.5	7 500*	47.4	58.8	8 500*	52.8	60.4	9 400	33.0
34.0	34.6	53.1	5 700*	37.5	54.5	6 200*	41.5	56.3	7 000*	45.2	57.8	8 000*	50.8	59.6	8 700	34.0
35.0	31.7	51.5	5 300*	34.8	53.1	5 800*	39.0	55.1	6 600*	42.9	56.7	7 400*	48.7	58.7	7 900	35.0
36.0	28.4	49.7	4 900*	31.9	51.5	5 400*	36.4	53.8	6 100*	40.5	55.6	6 900*	46.5	57.7	7 200	36.0
37.0	24.8	47.6	4 600*	28.6	49.7	5 000*	33.6	52.3	5 700*	37.9	54.3	6 400*	44.2	56.7	6 600	37.0
38.0	20.5	45.1	4 300*	25.0	47.7	4 700*	30.6	50.6	5 300*	35.2	52.9	6 000*	41.9	55.6	6 000	38.0
39.0				20.8	45.2	4 400*	27.2	48.7	5 000*	32.3	51.3	5 600*	39.4	54.4	5 400	39.0
40.0							23.4	46.5	4 600*	29.2	49.6	5 200	36.8	53.1	4 800	40.0
42.0										21.5	45.2	4 300	31.1	50.0	3 800	42.0
44.0													24.0	46.0	2 900	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

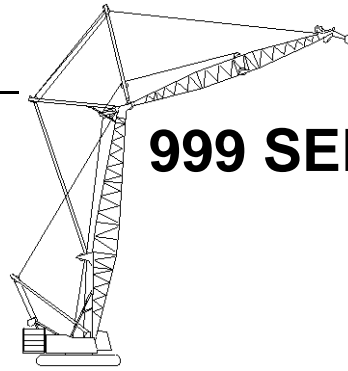
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

30.5m (100 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
15.2	73.9	70.7	21 800*													15.2
16.0	72.7	70.4	20 400*													16.0
17.0	71.2	70.1	18 600*	72.8	70.4	20 500*										17.0
18.0	69.6	69.7	17 100*	71.3	70.0	18 800*										18.0
19.0	68.0	69.3	15 700*	69.7	69.7	17 200*										19.0
20.0	66.5	68.9	14 500*	68.1	69.3	15 800*	70.6	69.7	18 100*							20.0
21.0	64.9	68.4	13 400*	66.6	68.8	14 600*	69.1	69.3	16 600*							21.0
22.0	63.2	67.9	12 500*	65.0	68.4	13 500*	67.5	68.9	15 300*							22.0
23.0	61.6	67.4	11 600*	63.3	67.9	12 500*	65.9	68.5	14 100*							23.0
24.0	59.9	66.8	10 800*	61.7	67.3	11 600*	64.3	68.0	13 100*							24.0
25.0	58.2	66.2	10 000*	60.0	66.7	10 800*	62.7	67.4	12 200*	65.2	68.0	13 700*				25.0
26.0	56.5	65.5	9 400*	58.3	66.1	10 100*	61.0	66.9	11 300*	63.6	67.5	12 700*				26.0
27.0	54.7	64.8	8 700*	56.6	65.5	9 400*	59.3	66.3	10 500*	61.9	66.9	11 800*				27.0
28.0	52.9	64.0	8 100*	54.8	64.7	8 800*	57.6	65.7	9 800*	60.3	66.4	11 000*				28.0
29.0	51.0	63.2	7 600*	53.0	64.0	8 200*	55.8	65.0	9 200*	58.6	65.8	10 200*	62.9	66.6	12 300*	29.0
30.0	49.1	62.3	7 100*	51.1	63.2	7 700*	54.0	64.3	8 600*	56.8	65.1	9 500*	61.3	66.1	11 500*	30.0
31.0	47.1	61.4	6 700*	49.2	62.3	7 200*	52.2	63.5	8 000*	55.1	64.4	8 900*	59.6	65.5	10 700*	31.0
32.0	45.0	60.4	6 200*	47.2	61.4	6 700*	50.3	62.6	7 500*	53.3	63.7	8 300*	57.9	64.9	9 900*	32.0
33.0	42.9	59.4	5 800*	45.2	60.4	6 300*	48.4	61.8	7 000*	51.4	62.9	7 800*	56.1	64.2	9 300*	33.0
34.0	40.7	58.2	5 400*	43.1	59.3	5 800*	46.4	60.8	6 500*	49.5	62.0	7 300*	54.3	63.5	8 600*	34.0
35.0	38.4	56.9	5 000*	40.8	58.2	5 500*	44.3	59.8	6 100*	47.5	61.1	6 800*	52.5	62.7	8 000*	35.0
36.0	35.9	55.6	4 700*	38.5	56.9	5 100*	42.2	58.7	5 700*	45.5	60.1	6 300*	50.6	61.9	7 300*	36.0
37.0	33.3	54.1	4 400*	36.1	55.6	4 800*	39.9	57.5	5 300*	43.4	59.1	6 000*	48.7	61.0	6 700*	37.0
38.0	30.5	52.4	4 100*	33.5	54.1	4 500*	37.5	56.2	5 000*	41.2	57.9	5 600*	46.7	60.1	6 000*	38.0
39.0	27.4	50.5	3 800*	30.7	52.4	4 200*	35.0	54.8	4 600*	38.9	56.7	5 200*	44.6	59.0	5 500*	39.0
40.0	23.9	48.4	3 400*	27.6	50.6	3 800*	32.3	53.2	4 300*	36.5	55.3	4 900*	42.5	58.0	4 900*	40.0
42.0				20.2	45.8	3 000*	26.2	49.5	3 800*	31.1	52.3	4 200*	37.9	55.5	3 900*	42.0
44.0							18.2	44.4	2 800*	24.7	48.3	3 500*	32.8	52.6	3 000*	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

33.5m (110 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

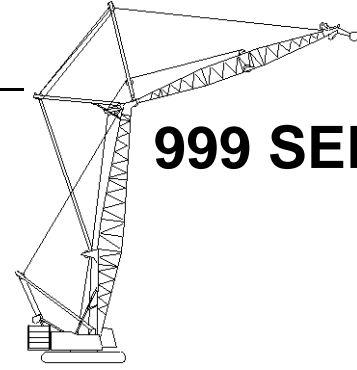
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	58.1	45.9	17 500*b																10.7
11.0	56.2	45.6	16 700*b																11.0
12.0	50.0	44.8	14 100*																12.0
13.0	43.1	43.7	12 100*	51.0	44.9	14 600*	61.4	46.0	20 200*										13.0
14.0	35.0	42.4	10 600*	44.3	43.8	12 400*	55.6	45.3	16 300*										14.0
15.0	24.4	40.4	9 200*	36.5	42.5	10 800*	49.4	44.4	13 900*										15.0
16.0							42.4	43.3	12 000*	54.0	44.8	16 000*b							16.0
17.0							34.2	41.9	10 500*	47.6	43.9	13 400*							17.0
18.0							23.2	39.8	9 200*	40.3	42.7	11 600*							18.0
19.0										31.6	41.2	10 200*	53.0	43.9	15 700*				19.0
20.0													46.5	43.0	13 200*				20.0
21.0													39.1	41.8	11 400*				21.0
22.0													30.0	40.2	10 000*	51.6	42.8	15 200*	22.0
23.0																44.9	41.8	12 800*	23.0
24.0																37.2	40.5	11 100*	24.0

33.5m (110 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	58.1	45.9	14 600*	64.6	46.5	18 700*b													10.7
11.0	56.2	45.6	13 900*	62.8	46.3	17 600*b													11.0
12.0	50.0	44.8	11 800*	57.1	45.7	14 400*													12.0
13.0	43.1	43.7	10 000*	51.0	44.9	11 900*	61.4	46.0	16 900*										13.0
14.0	35.0	42.4	8 700*	44.3	43.8	10 300*	55.6	45.3	13 700*										14.0
15.0	24.4	40.4	7 600*	36.5	42.5	8 900*	49.4	44.4	11 500*										15.0
16.0							42.4	43.3	9 900*	54.0	44.8	13 300*							16.0
17.0							34.2	41.9	8 600*	47.6	43.9	11 100*							17.0
18.0							23.2	39.8	7 500*	40.3	42.7	9 600*							18.0
19.0										31.6	41.2	8 300*	53.0	43.9	13 100*				19.0
20.0													46.5	43.0	11 000*				20.0
21.0													39.1	41.8	9 400*				21.0
22.0													30.0	40.2	8 200*	51.6	42.8	12 600*	22.0
23.0																44.9	41.8	10 600*	23.0
24.0																37.2	40.5	9 200*	24.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

33.5m (110 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

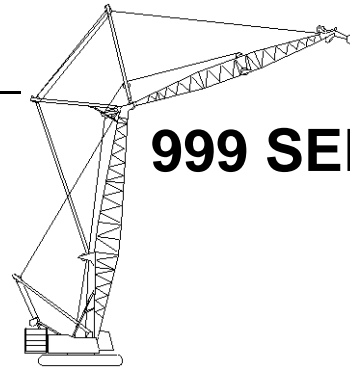
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	66.5	46.8	17 900*b																9.1
10.0	61.9	46.3	15 100*																10.0
11.0	56.2	45.6	12 100*	62.8	46.3	15 600*													11.0
12.0	50.0	44.8	10 200*	57.1	45.7	12 700*													12.0
13.0	43.1	43.7	8 700*	51.0	44.9	10 500*	61.4	46.0	15 000*										13.0
14.0	35.0	42.4	7 600*	44.3	43.8	9 000*	55.6	45.3	12 000*	65.4	46.1	17 500*							14.0
15.0	24.4	40.4	6 600*	36.5	42.5	7 700*	49.4	44.4	10 100*	59.9	45.5	14 100*							15.0
16.0							42.4	43.3	8 700*	54.0	44.8	11 500*							16.0
17.0							34.2	41.9	7 500*	47.6	43.9	9 800*							17.0
18.0							23.2	39.8	6 500*	40.3	42.7	8 400*							18.0
19.0										31.6	41.2	7 200*	53.0	43.9	11 500*				19.0
20.0													46.5	43.0	9 600*				20.0
21.0													39.1	41.8	8 200*				21.0
22.0													30.0	40.2	7 100*	51.6	42.8	11 100*	22.0
23.0																44.9	41.8	9 300*	23.0
24.0																37.2	40.5	8 000*	24.0

33.5m (110 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	71.5	50.1	25 900*b																9.1
10.0	68.0	49.7	21 900*																10.0
11.0	63.8	49.2	17 500*	68.7	49.7	22 600*													11.0
12.0	59.4	48.6	14 800*	64.5	49.3	18 400*													12.0
13.0	54.7	47.9	12 700*	60.1	48.7	15 200*	67.6	49.4	21 700*										13.0
14.0	49.8	47.1	11 100*	55.5	48.0	13 100*	63.4	48.9	17 400*										14.0
15.0	44.4	46.1	9 700*	50.6	47.2	11 400*	59.0	48.3	14 700*										15.0
16.0	38.3	44.8	8 600*	45.3	46.2	9 900*	54.3	47.6	12 600*	62.2	48.5	17 000*							16.0
17.0	31.3	43.3	7 600*	39.4	45.0	8 800*	49.3	46.7	11 000*	57.7	47.8	14 200*							17.0
18.0	22.0	41.0	6 800*	32.5	43.5	7 800*	43.9	45.7	9 700*	53.0	47.1	12 200*							18.0
19.0							37.8	44.4	8 500*	47.9	46.2	10 600*							19.0
20.0							30.6	42.8	7 600*	42.3	45.1	9 400*	57.0	47.0	14 000*				20.0
21.0							21.0	40.5	6 700*	36.0	43.7	8 300*	52.2	46.2	12 100*				21.0
22.0										28.3	42.0	7 400*	47.0	45.3	10 500*				22.0
23.0													41.4	44.2	9 300*	55.9	45.9	13 600*	23.0
24.0													34.9	42.8	8 200*	51.1	45.1	11 800*	24.0
25.0													26.9	41.0	7 300*	45.8	44.1	10 200*	25.0
26.0																40.0	43.0	9 100*	26.0
27.0																33.2	41.5	8 000*	27.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

33.5m (110 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

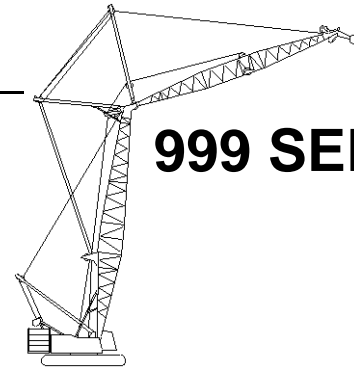
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	66.5	46.8	16 700*	72.5	47.2	23 000* ^b													9.1
10.0	61.9	46.3	14 200*	68.1	46.8	18 700*													10.0
11.0	56.2	45.6	11 400*	62.8	46.3	14 200*													11.0
12.0	50.0	44.8	9 600*	57.1	45.7	11 700*													12.0
13.0	43.1	43.7	8 200*	51.0	44.9	9 900*	61.4	46.0	13 900*										13.0
14.0	35.0	42.4	7 200*	44.3	43.8	8 500*	55.6	45.3	11 300*	65.4	46.1	16 300*							14.0
15.0	24.4	40.4	6 300*	36.5	42.5	7 300*	49.4	44.4	9 500*	59.9	45.5	13 200*							15.0
16.0							42.4	43.3	8 200*	54.0	44.8	10 700*							16.0
17.0							34.2	41.9	7 100*	47.6	43.9	9 200*							17.0
18.0							23.2	39.8	6 200*	40.3	42.7	7 900*							18.0
19.0										31.6	41.2	6 900*	53.0	43.9	10 700*				19.0
20.0													46.5	43.0	9 000*				20.0
21.0													39.1	41.8	7 800*				21.0
22.0													30.0	40.2	6 800*	51.6	42.8	10 400*	22.0
23.0																44.9	41.8	8 700*	23.0
24.0																37.2	40.5	7 500*	24.0

33.5m (110 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	71.5	50.1	23 300*																9.1
10.0	68.0	49.7	19 600*																10.0
11.0	63.8	49.2	15 800*	68.7	49.7	20 200*													11.0
12.0	59.4	48.6	13 300*	64.5	49.3	16 500*													12.0
13.0	54.7	47.9	11 400*	60.1	48.7	13 600*	67.6	49.4	19 400*										13.0
14.0	49.8	47.1	9 900*	55.5	48.0	11 700*	63.4	48.9	15 600*										14.0
15.0	44.4	46.1	8 700*	50.6	47.2	10 100*	59.0	48.3	13 200*										15.0
16.0	38.3	44.8	7 700*	45.3	46.2	8 900*	54.3	47.6	11 300*	62.2	48.5	15 200*							16.0
17.0	31.3	43.3	6 800*	39.4	45.0	7 800*	49.3	46.7	9 900*	57.7	47.8	12 700*							17.0
18.0	22.0	41.0	6 100*	32.5	43.5	7 000*	43.9	45.7	8 600*	53.0	47.1	10 900*							18.0
19.0							37.8	44.4	7 600*	47.9	46.2	9 500*							19.0
20.0							30.6	42.8	6 800*	42.3	45.1	8 400*	57.0	47.0	12 500*				20.0
21.0							21.0	40.5	6 000*	36.0	43.7	7 400*	52.2	46.2	10 800*				21.0
22.0										28.3	42.0	6 600*	47.0	45.3	9 300*				22.0
23.0													41.4	44.2	8 200*	55.9	45.9	12 100*	23.0
24.0													34.9	42.8	7 300*	51.1	45.1	10 500*	24.0
25.0													26.9	41.0	6 500*	45.8	44.1	9 100*	25.0
26.0																40.0	43.0	8 100*	26.0
27.0																33.2	41.5	7 100*	27.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

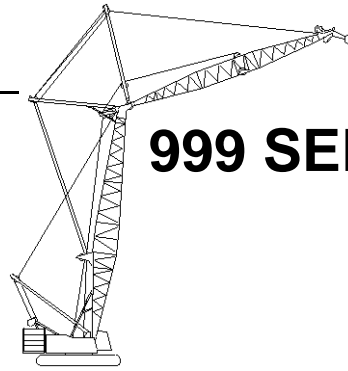
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

33.5m (110 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	74.7	53.3	26 700*																9.1
10.0	71.9	53.0	23 700*																10.0
11.0	68.5	52.6	20 200*	72.5	53.0	25 300*													11.0
12.0	65.0	52.2	17 000*	69.1	52.6	20 900*													12.0
13.0	61.4	51.6	14 500*	65.6	52.2	17 400*													13.0
14.0	57.7	51.0	12 600*	62.0	51.6	14 900*	68.2	52.3	20 000*										14.0
15.0	53.8	50.2	11 100*	58.3	51.0	12 900*	64.7	51.8	16 900*										15.0
16.0	49.6	49.4	9 800*	54.4	50.3	11 300*	61.1	51.3	14 400*										16.0
17.0	45.2	48.4	8 800*	50.3	49.5	10 000*	57.3	50.6	12 600*	63.7	51.4	16 200*							17.0
18.0	40.4	47.2	7 900*	46.0	48.5	8 900*	53.4	49.9	11 000*	60.1	50.8	14 000*							18.0
19.0	35.0	45.8	7 100*	41.2	47.4	8 000*	49.2	49.0	9 800*	56.3	50.1	12 100*							19.0
20.0	28.6	44.1	6 400*	35.9	46.0	7 200*	44.8	48.0	8 700*	52.3	49.4	10 700*							20.0
21.0	20.3	41.7	5 800*	29.8	44.3	6 500*	39.9	46.8	7 800*	48.1	48.5	9 500*							21.0
22.0							34.4	45.4	7 100*	43.5	47.4	8 500*	55.7	49.3	12 100*				22.0
23.0							28.0	43.6	6 400*	38.5	46.2	7 600*	51.7	48.5	10 600*				23.0
24.0							19.4	41.1	5 800*	32.8	44.7	6 900*	47.4	47.6	9 400*				24.0
25.0										26.0	42.8	6 200*	42.8	46.6	8 400*	54.8	48.2	11 800*	25.0
26.0													37.7	45.3	7 600*	50.7	47.4	10 400*	26.0
27.0													31.8	43.7	6 800*	46.4	46.5	9 200*	27.0
28.0													24.7	41.7	6 200*	41.7	45.3	8 300*	28.0
29.0																36.4	44.0	7 400*	29.0
30.0																30.4	42.4	6 700*	30.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

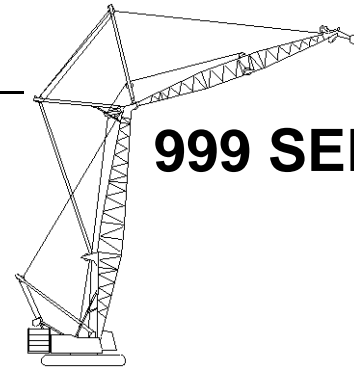
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

33.5m (110 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	72.7	56.0	26 700*																10.7
11.0	71.7	55.9	25 600*																11.0
12.0	68.8	55.5	22 100*																12.0
13.0	65.9	55.1	19 100*	69.3	55.5	23 000*													13.0
14.0	62.8	54.6	16 500*	66.4	55.1	19 500*													14.0
15.0	59.7	54.0	14 500*	63.4	54.6	17 000*													15.0
16.0	56.5	53.3	12 900*	60.2	54.0	14 900*	65.6	54.7	19 000*										16.0
17.0	53.1	52.5	11 600*	57.0	53.3	13 200*	62.6	54.2	16 400*										17.0
18.0	49.5	51.7	10 400*	53.7	52.6	11 800*	59.4	53.6	14 500*										18.0
19.0	45.8	50.7	9 400*	50.1	51.8	10 600*	56.2	52.9	12 900*	61.7	53.8	16 100*							19.0
20.0	41.7	49.6	8 500*	46.4	50.8	9 600*	52.8	52.2	11 500*	58.6	53.1	14 100*							20.0
21.0	37.3	48.3	7 700*	42.4	49.7	8 700*	49.2	51.3	10 400*	55.3	52.5	12 600*							21.0
22.0	32.4	46.8	7 000*	38.1	48.5	7 900*	45.4	50.3	9 400*	51.8	51.7	11 300*							22.0
23.0	26.6	44.9	6 400*	33.3	47.0	7 200*	41.4	49.2	8 500*	48.2	50.8	10 100*	58.0	52.4	13 900*				23.0
24.0	19.1	42.3	5 900*	27.6	45.2	6 600*	36.9	47.9	7 700*	44.4	49.8	9 200*	54.7	51.6	12 500*				24.0
25.0							31.9	46.3	7 100*	40.2	48.6	8 300*	51.3	50.8	11 100*				25.0
26.0							26.0	44.4	6 400*	35.6	47.2	7 600*	47.6	49.9	10 100*	57.3	51.3	13 600*	26.0
27.0							18.3	41.7	5 900*	30.4	45.6	6 900*	43.7	48.9	9 100*	54.0	50.5	12 200*	27.0
28.0										24.2	43.5	6 300*	39.5	47.7	8 200*	50.5	49.7	10 900*	28.0
29.0													34.9	46.3	7 500*	46.8	48.8	9 900*	29.0
30.0													29.5	44.6	6 900*	42.8	47.7	8 900*	30.0
31.0													23.0	42.4	6 300*	38.5	46.5	8 100*	31.0
32.0													13.6	39.0	5 800*	33.7	45.0	7 400*	32.0
33.0																28.2	43.2	6 800*	33.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

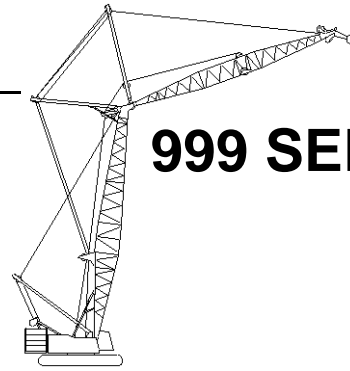
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

33.5m (110 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	74.9	59.2	26 700*																10.7
11.0	74.1	59.1	26 500*																11.0
12.0	71.6	58.8	26 000*																12.0
13.0	69.1	58.4	23 700*																13.0
14.0	66.5	58.0	20 100*	69.5	58.4	23 700*													14.0
15.0	63.9	57.5	17 700*	67.0	58.0	20 700*													15.0
16.0	61.2	56.9	15 800*	64.3	57.5	18 100*	68.9	58.1	23 000*										16.0
17.0	58.4	56.3	14 200*	61.6	56.9	16 200*	66.3	57.6	20 000*										17.0
18.0	55.5	55.6	12 800*	58.9	56.3	14 500*	63.6	57.1	17 700*										18.0
19.0	52.6	54.8	11 600*	56.0	55.6	13 100*	60.9	56.6	15 800*	65.6	57.2	19 500*							19.0
20.0	49.5	54.0	10 600*	53.1	54.9	11 800*	58.2	56.0	14 200*	62.9	56.7	17 200*							20.0
21.0	46.2	53.0	9 700*	50.0	54.1	10 800*	55.3	55.3	12 800*	60.2	56.1	15 300*							21.0
22.0	42.7	52.0	8 800*	46.8	53.1	9 900*	52.3	54.5	11 600*	57.4	55.5	13 800*							22.0
23.0	39.0	50.7	8 100*	43.3	52.1	9 000*	49.2	53.6	10 600*	54.5	54.8	12 500*	62.5	55.9	17 000*				23.0
24.0	34.9	49.3	7 500*	39.7	50.9	8 300*	45.9	52.7	9 700*	51.5	54.0	11 400*	59.8	55.3	15 300*				24.0
25.0	30.4	47.7	6 900*	35.7	49.5	7 600*	42.4	51.6	8 900*	48.3	53.1	10 400*	56.9	54.7	13 700*				25.0
26.0	25.0	45.6	6 400*	31.2	47.9	7 000*	38.7	50.3	8 100*	45.0	52.1	9 500*	54.0	54.0	12 400*				26.0
27.0	18.1	42.9	5 900*	26.0	45.9	6 500*	34.6	48.9	7 500*	41.4	51.0	8 700*	51.0	53.1	11 300*				27.0
28.0							29.9	47.2	6 900*	37.6	49.7	8 000*	47.8	52.2	10 300*	56.3	53.6	13 500*	28.0
29.0							24.5	45.1	6 400*	33.4	48.2	7 400*	44.4	51.2	9 400*	53.3	52.8	12 200*	29.0
30.0							17.4	42.3	5 900*	28.6	46.4	6 800*	40.9	50.1	8 700*	50.3	52.0	11 100*	30.0
31.0										22.8	44.2	6 300*	37.0	48.8	8 000*	47.1	51.1	10 200*	31.0
32.0										14.8	41.0	5 800*	32.7	47.2	7 400*	43.6	50.0	9 300*	32.0
33.0													27.7	45.4	6 800*	40.0	48.9	8 600*	33.0
34.0													21.7	43.1	6 300*	36.0	47.5	7 900*	34.0
35.0																13.1	39.6	5 800*	35.0
36.0																26.5	44.0	6 700*	36.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

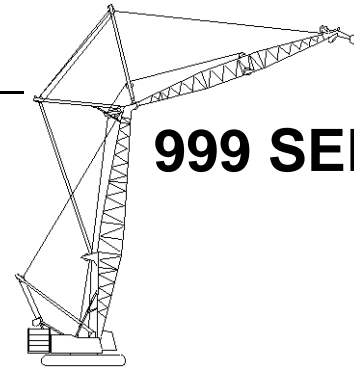
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

33.5m (110 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	73.3	61.9	26 700*																12.2
13.0	71.5	61.7	26 400*																13.0
14.0	69.3	61.3	25 700*	71.9	61.6	26 400*													14.0
15.0	67.0	60.9	22 900*	69.7	61.3	25 500*													15.0
16.0	64.7	60.4	20 300*	67.4	60.9	23 600*													16.0
17.0	62.3	59.9	18 300*	65.1	60.4	20 800*	69.1	61.0	25 400*										17.0
18.0	59.9	59.3	16 600*	62.7	59.9	18 700*	66.8	60.5	22 700*										18.0
19.0	57.4	58.6	15 000*	60.3	59.3	16 900*	64.5	60.0	20 300*										19.0
20.0	54.8	57.9	13 700*	57.8	58.7	15 400*	62.1	59.5	18 300*	66.2	60.1	22 100*							20.0
21.0	52.2	57.1	12 600*	55.3	58.0	14 000*	59.7	58.9	16 600*	63.8	59.6	19 900*							21.0
22.0	49.4	56.3	11 600*	52.6	57.2	12 800*	57.2	58.3	15 100*	61.5	59.1	17 900*							22.0
23.0	46.5	55.3	10 700*	49.9	56.4	11 800*	54.6	57.6	13 800*	59.0	58.5	16 200*							23.0
24.0	43.5	54.3	9 900*	47.0	55.4	10 900*	51.9	56.8	12 600*	56.5	57.8	14 800*							24.0
25.0	40.3	53.1	9 100*	44.0	54.4	10 100*	49.2	55.9	11 600*	53.9	57.1	13 600*	61.1	58.3	17 700*				25.0
26.0	36.8	51.8	8 500*	40.8	53.2	9 300*	46.3	55.0	10 800*	51.2	56.3	12 500*	58.6	57.7	16 100*				26.0
27.0	33.0	50.3	7 900*	37.4	52.0	8 600*	43.2	53.9	9 900*	48.4	55.4	11 500*	56.1	57.0	14 700*				27.0
28.0	28.7	48.5	7 300*	33.7	50.5	8 000*	40.0	52.7	9 200*	45.5	54.4	10 600*	53.5	56.3	13 500*				28.0
29.0	23.7	46.4	6 800*	29.5	48.8	7 400*	36.5	51.4	8 500*	42.4	53.3	9 800*	50.8	55.4	12 400*				29.0
30.0	17.4	43.5	6 300*	24.6	46.7	6 900*	32.6	49.9	7 900*	39.0	52.1	9 100*	47.9	54.5	11 400*				30.0
31.0							28.3	48.1	7 300*	35.5	50.7	8 400*	45.0	53.5	10 500*	52.9	55.1	12 600	31.0
32.0							23.2	45.9	6 800*	31.5	49.1	7 800*	41.8	52.4	9 800*	50.1	54.3	11 700	32.0
33.0							16.7	42.9	6 400*	27.0	47.2	7 200*	38.5	51.2	9 000*	47.3	53.4	11 000	33.0
34.0										21.7	44.9	6 700*	34.9	49.8	8 400*	44.3	52.4	10 200	34.0
35.0										14.4	41.5	6 300*	30.9	48.1	7 800*	41.1	51.2	9 600	35.0
36.0													26.3	46.2	7 300*	37.7	49.9	8 900	36.0
37.0													20.7	43.7	6 800*	34.0	48.5	8 300	37.0
38.0													12.8	40.1	6 300*	29.9	46.8	7 700	38.0
39.0																25.1	44.8	7 100	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

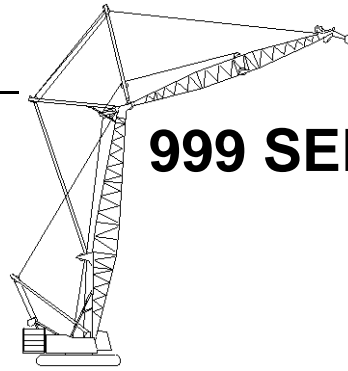
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

33.5m (110 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	74.9	59.2	26 700*																10.7
11.0	74.1	59.1	26 100*																11.0
12.0	71.6	58.8	24 300*																12.0
13.0	69.1	58.4	21 700*																13.0
14.0	66.5	58.0	18 600*	69.5	58.4	21 900*													14.0
15.0	63.9	57.5	16 400*	67.0	58.0	19 100*													15.0
16.0	61.2	56.9	14 600*	64.3	57.5	16 800*	68.9	58.1	21 200*										16.0
17.0	58.4	56.3	13 100*	61.6	56.9	14 900*	66.3	57.6	18 400*										17.0
18.0	55.5	55.6	11 800*	58.9	56.3	13 400*	63.6	57.1	16 300*										18.0
19.0	52.6	54.8	10 700*	56.0	55.6	12 100*	60.9	56.6	14 600*	65.6	57.2	18 000*							19.0
20.0	49.5	54.0	9 800*	53.1	54.9	11 000*	58.2	56.0	13 100*	62.9	56.7	15 900*							20.0
21.0	46.2	53.0	8 900*	50.0	54.1	10 000*	55.3	55.3	11 800*	60.2	56.1	14 200*							21.0
22.0	42.7	52.0	8 100*	46.8	53.1	9 100*	52.3	54.5	10 700*	57.4	55.5	12 800*							22.0
23.0	39.0	50.7	7 500*	43.3	52.1	8 300*	49.2	53.6	9 800*	54.5	54.8	11 600*	62.5	55.9	15 700*				23.0
24.0	34.9	49.3	6 900*	39.7	50.9	7 600*	45.9	52.7	8 900*	51.5	54.0	10 500*	59.8	55.3	14 100*				24.0
25.0	30.4	47.7	6 300*	35.7	49.5	7 000*	42.4	51.6	8 200*	48.3	53.1	9 600*	56.9	54.7	12 600*				25.0
26.0	25.0	45.6	5 800*	31.2	47.9	6 500*	38.7	50.3	7 500*	45.0	52.1	8 800*	54.0	54.0	11 500*				26.0
27.0	18.1	42.9	5 400*	26.0	45.9	6 000*	34.6	48.9	6 900*	41.4	51.0	8 000*	51.0	53.1	10 400*				27.0
28.0							29.9	47.2	6 400*	37.6	49.7	7 400*	47.8	52.2	9 500*	56.3	53.6	12 500*	28.0
29.0							24.5	45.1	5 900*	33.4	48.2	6 800*	44.4	51.2	8 700*	53.3	52.8	11 300*	29.0
30.0							17.4	42.3	5 400*	28.6	46.4	6 300*	40.9	50.1	8 000*	50.3	52.0	10 300*	30.0
31.0										22.8	44.2	5 800*	37.0	48.8	7 400*	47.1	51.1	9 400*	31.0
32.0										14.8	41.0	5 300*	32.7	47.2	6 800*	43.6	50.0	8 600*	32.0
33.0													27.7	45.4	6 300*	40.0	48.9	7 900*	33.0
34.0													21.7	43.1	5 800*	36.0	47.5	7 300*	34.0
35.0																31.6	45.9	6 700*	35.0
36.0																26.5	44.0	6 200*	36.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

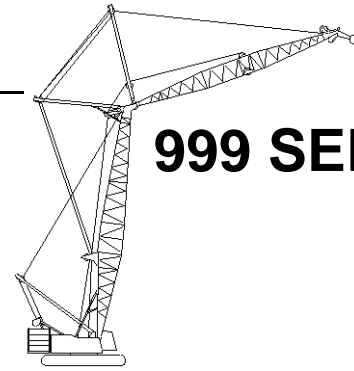
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

33.5m (110 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	73.3	61.9	26 700*																12.2
13.0	71.5	61.7	25 500*																13.0
14.0	69.3	61.3	23 800*	71.9	61.6	26 100*													14.0
15.0	67.0	60.9	21 100*	69.7	61.3	23 900*													15.0
16.0	64.7	60.4	18 600*	67.4	60.9	21 600*													16.0
17.0	62.3	59.9	16 800*	65.1	60.4	19 100*	69.1	61.0	23 500*										17.0
18.0	59.9	59.3	15 100*	62.7	59.9	17 100*	66.8	60.5	20 900*										18.0
19.0	57.4	58.6	13 800*	60.3	59.3	15 500*	64.5	60.0	18 600*										19.0
20.0	54.8	57.9	12 600*	57.8	58.7	14 100*	62.1	59.5	16 800*	66.2	60.1	20 200*							20.0
21.0	52.2	57.1	11 500*	55.3	58.0	12 800*	59.7	58.9	15 200*	63.8	59.6	18 200*							21.0
22.0	49.4	56.3	10 500*	52.6	57.2	11 700*	57.2	58.3	13 800*	61.5	59.1	16 400*							22.0
23.0	46.5	55.3	9 700*	49.9	56.4	10 800*	54.6	57.6	12 600*	59.0	58.5	14 900*							23.0
24.0	43.5	54.3	9 000*	47.0	55.4	9 900*	51.9	56.8	11 600*	56.5	57.8	13 500*							24.0
25.0	40.3	53.1	8 300*	44.0	54.4	9 100*	49.2	55.9	10 600*	53.9	57.1	12 400*	61.1	58.3	16 300*				25.0
26.0	36.8	51.8	7 700*	40.8	53.2	8 500*	46.3	55.0	9 800*	51.2	56.3	11 400*	58.6	57.7	14 700*				26.0
27.0	33.0	50.3	7 100*	37.4	52.0	7 800*	43.2	53.9	9 100*	48.4	55.4	10 500*	56.1	57.0	13 400*				27.0
28.0	28.7	48.5	6 600*	33.7	50.5	7 300*	40.0	52.7	8 400*	45.5	54.4	9 700*	53.5	56.3	12 300*				28.0
29.0	23.7	46.4	6 100*	29.5	48.8	6 700*	36.5	51.4	7 800*	42.4	53.3	8 900*	50.8	55.4	11 300*				29.0
30.0	17.4	43.5	5 700*	24.6	46.7	6 300*	32.6	49.9	7 200*	39.0	52.1	8 300*	47.9	54.5	10 400*				30.0
31.0							28.3	48.1	6 700*	35.5	50.7	7 700*	45.0	53.5	9 600*	52.9	55.1	11 100	31.0
32.0							23.2	45.9	6 200*	31.5	49.1	7 100*	41.8	52.4	8 900*	50.1	54.3	10 200	32.0
33.0							16.7	42.9	5 800*	27.0	47.2	6 600*	38.5	51.2	8 300*	47.3	53.4	9 400	33.0
34.0										21.7	44.9	6 100*	34.9	49.8	7 700*	44.3	52.4	8 700	34.0
35.0										14.4	41.5	5 700*	30.9	48.1	7 100*	41.1	51.2	8 000	35.0
36.0													26.3	46.2	6 600*	37.7	49.9	7 300	36.0
37.0													20.7	43.7	6 200*	34.0	48.5	6 600	37.0
38.0													12.8	40.1	5 700*	29.9	46.8	6 000	38.0
39.0																25.1	44.8	5 400	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

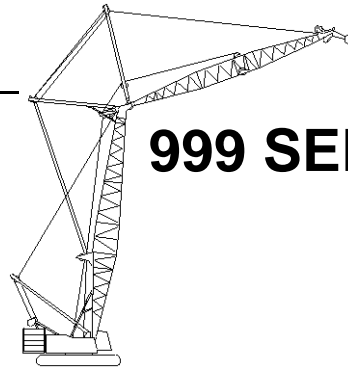
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

33.5m (110 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	74.9	59.2	26 700*																10.7
11.0	74.1	59.1	25 700*																11.0
12.0	71.6	58.8	22 700*																12.0
13.0	69.1	58.4	19 800*																13.0
14.0	66.5	58.0	17 200*	69.5	58.4	20 300*													14.0
15.0	63.9	57.5	15 100*	67.0	58.0	17 700*													15.0
16.0	61.2	56.9	13 500*	64.3	57.5	15 500*	68.9	58.1	19 700*										16.0
17.0	58.4	56.3	12 100*	61.6	56.9	13 800*	66.3	57.6	17 100*										17.0
18.0	55.5	55.6	10 900*	58.9	56.3	12 400*	63.6	57.1	15 100*										18.0
19.0	52.6	54.8	9 900*	56.0	55.6	11 200*	60.9	56.6	13 500*	65.6	57.2	16 700*							19.0
20.0	49.5	54.0	9 000*	53.1	54.9	10 100*	58.2	56.0	12 100*	62.9	56.7	14 700*							20.0
21.0	46.2	53.0	8 200*	50.0	54.1	9 200*	55.3	55.3	10 900*	60.2	56.1	13 200*							21.0
22.0	42.7	52.0	7 500*	46.8	53.1	8 400*	52.3	54.5	9 900*	57.4	55.5	11 800*							22.0
23.0	39.0	50.7	6 900*	43.3	52.1	7 700*	49.2	53.6	9 000*	54.5	54.8	10 700*	62.5	55.9	14 500*				23.0
24.0	34.9	49.3	6 300*	39.7	50.9	7 000*	45.9	52.7	8 300*	51.5	54.0	9 700*	59.8	55.3	13 000*				24.0
25.0	30.4	47.7	5 800*	35.7	49.5	6 500*	42.4	51.6	7 600*	48.3	53.1	8 900*	56.9	54.7	11 700*				25.0
26.0	25.0	45.6	5 400*	31.2	47.9	5 900*	38.7	50.3	6 900*	45.0	52.1	8 100*	54.0	54.0	10 600*				26.0
27.0	18.1	42.9	5 000*	26.0	45.9	5 500*	34.6	48.9	6 300*	41.4	51.0	7 400*	51.0	53.1	9 700*				27.0
28.0							29.9	47.2	5 800*	37.6	49.7	6 800*	47.8	52.2	8 800*	56.3	53.6	11 600*	28.0
29.0							24.5	45.1	5 400*	33.4	48.2	6 300*	44.4	51.2	8 000*	53.3	52.8	10 400*	29.0
30.0							17.4	42.3	5 000*	28.6	46.4	5 800*	40.9	50.1	7 400*	50.3	52.0	9 500*	30.0
31.0										22.8	44.2	5 300*	37.0	48.8	6 800*	47.1	51.1	8 700*	31.0
32.0										14.8	41.0	4 900*	32.7	47.2	6 300*	43.6	50.0	8 000*	32.0
33.0													27.7	45.4	5 800*	40.0	48.9	7 300*	33.0
34.0													21.7	43.1	5 300*	36.0	47.5	6 700*	34.0
35.0																31.6	45.9	6 100	35.0
36.0																26.5	44.0	5 400	36.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

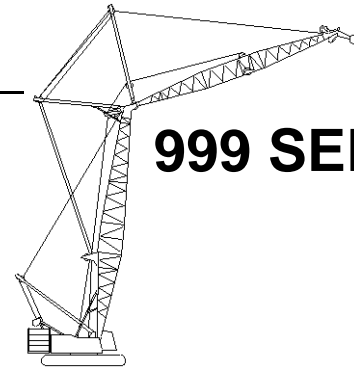
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

33.5m (110 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	73.3	61.9	26 700*																12.2
13.0	71.5	61.7	24 500*																13.0
14.0	69.3	61.3	21 800*	71.9	61.6	25 500*													14.0
15.0	67.0	60.9	19 300*	69.7	61.3	22 300*													15.0
16.0	64.7	60.4	17 100*	67.4	60.9	19 600*													16.0
17.0	62.3	59.9	15 400*	65.1	60.4	17 500*	69.1	61.0	21 700*										17.0
18.0	59.9	59.3	13 900*	62.7	59.9	15 700*	66.8	60.5	19 200*										18.0
19.0	57.4	58.6	12 700*	60.3	59.3	14 200*	64.5	60.0	17 100*										19.0
20.0	54.8	57.9	11 500*	57.8	58.7	12 900*	62.1	59.5	15 400*	66.2	60.1	18 600*							20.0
21.0	52.2	57.1	10 500*	55.3	58.0	11 800*	59.7	58.9	14 000*	63.8	59.6	16 800*							21.0
22.0	49.4	56.3	9 700*	52.6	57.2	10 800*	57.2	58.3	12 700*	61.5	59.1	15 100*							22.0
23.0	46.5	55.3	8 900*	49.9	56.4	9 900*	54.6	57.6	11 600*	59.0	58.5	13 700*							23.0
24.0	43.5	54.3	8 200*	47.0	55.4	9 100*	51.9	56.8	10 600*	56.5	57.8	12 400*							24.0
25.0	40.3	53.1	7 600*	44.0	54.4	8 400*	49.2	55.9	9 800*	53.9	57.1	11 400*	61.1	58.3	15 000*				25.0
26.0	36.8	51.8	7 000*	40.8	53.2	7 700*	46.3	55.0	9 000*	51.2	56.3	10 400*	58.6	57.7	13 600*				26.0
27.0	33.0	50.3	6 500*	37.4	52.0	7 200*	43.2	53.9	8 300*	48.4	55.4	9 600*	56.1	57.0	12 400*				27.0
28.0	28.7	48.5	6 000*	33.7	50.5	6 600*	40.0	52.7	7 700*	45.5	54.4	8 900*	53.5	56.3	11 300*				28.0
29.0	23.7	46.4	5 600*	29.5	48.8	6 100*	36.5	51.4	7 100*	42.4	53.3	8 200*	50.8	55.4	10 400*				29.0
30.0	17.4	43.5	5 200*	24.6	46.7	5 700*	32.6	49.9	6 600*	39.0	52.1	7 600*	47.9	54.5	9 600*				30.0
31.0							28.3	48.1	6 100*	35.5	50.7	7 000*	45.0	53.5	8 800*	52.9	55.1	9 700	31.0
32.0							23.2	45.9	5 700*	31.5	49.1	6 500*	41.8	52.4	8 200*	50.1	54.3	8 800	32.0
33.0							16.7	42.9	5 300*	27.0	47.2	6 000*	38.5	51.2	7 600*	47.3	53.4	8 000	33.0
34.0										21.7	44.9	5 600*	34.9	49.8	7 000*	44.3	52.4	7 200	34.0
35.0										14.4	41.5	5 200*	30.9	48.1	6 500*	41.1	51.2	6 500	35.0
36.0													26.3	46.2	6 000	37.7	49.9	5 800	36.0
37.0													20.7	43.7	5 500	34.0	48.5	5 100	37.0
38.0													12.8	40.1	4 800	29.9	46.8	4 500	38.0
39.0																25.1	44.8	3 900	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

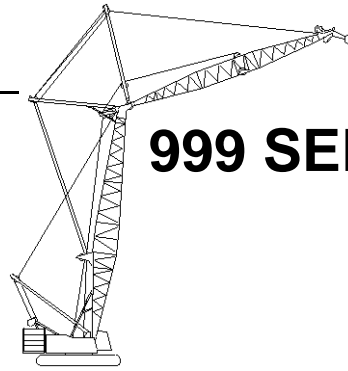
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

33.5m (110 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	75.1	65.1	26 700*																12.2
13.0	73.5	64.9	25 900*																13.0
14.0	71.5	64.6	24 700*																14.0
15.0	69.5	64.2	22 300*																15.0
16.0	67.4	63.8	20 000*	69.8	64.2	22 600*													16.0
17.0	65.3	63.3	18 100*	67.8	63.7	20 500*													17.0
18.0	63.2	62.8	16 400*	65.7	63.3	18 500*													18.0
19.0	61.1	62.2	14 900*	63.6	62.8	16 700*	67.2	63.4	20 000*										19.0
20.0	58.8	61.6	13 600*	61.4	62.2	15 200*	65.1	63.0	18 100*										20.0
21.0	56.6	61.0	12 500*	59.2	61.6	13 900*	63.0	62.4	16 400*										21.0
22.0	54.3	60.2	11 500*	57.0	61.0	12 800*	60.9	61.9	15 000*	64.6	62.5	17 700*							22.0
23.0	51.9	59.4	10 600*	54.6	60.3	11 700*	58.6	61.3	13 700*	62.4	62.0	16 100*							23.0
24.0	49.4	58.6	9 800*	52.3	59.5	10 800*	56.4	60.6	12 600*	60.3	61.4	14 700*							24.0
25.0	46.8	57.7	9 100*	49.8	58.7	10 000*	54.0	59.9	11 600*	58.0	60.8	13 500*							25.0
26.0	44.1	56.6	8 400*	47.2	57.7	9 300*	51.6	59.1	10 700*	55.8	60.1	12 400*	62.1	61.2	15 900*				26.0
27.0	41.2	55.5	7 800*	44.5	56.7	8 600*	49.1	58.2	9 900*	53.4	59.4	11 400*	59.9	60.6	14 600*				27.0
28.0	38.2	54.2	7 300*	41.7	55.6	8 000*	46.5	57.3	9 200*	51.0	58.6	10 500*	57.7	60.0	13 400*				28.0
29.0	34.9	52.8	6 800*	38.7	54.4	7 500*	43.8	56.2	8 500*	48.5	57.7	9 800*	55.4	59.3	12 300*				29.0
30.0	31.4	51.2	6 300*	35.5	53.0	6 900*	41.0	55.1	7 900*	45.8	56.7	9 100*	53.0	58.6	11 400*				30.0
31.0	27.4	49.3	5 900*	32.0	51.4	6 500*	37.9	53.8	7 400*	43.1	55.6	8 400*	50.6	57.7	10 500				31.0
32.0	22.7	47.1	5 500*	28.1	49.6	6 000*	34.6	52.4	6 900*	40.2	54.5	7 800*	48.0	56.8	9 700	54.9	58.2	9 000	32.0
33.0	16.7	44.1	5 200*	23.5	47.4	5 600*	31.0	50.8	6 400*	37.1	53.2	7 300*	45.4	55.9	8 800	52.5	57.4	8 200	33.0
34.0							27.0	48.9	6 000*	33.7	51.7	6 800*	42.6	54.8	8 000	50.0	56.6	7 400	34.0
35.0							22.2	46.6	5 600*	30.0	50.0	6 400*	39.7	53.6	7 300	47.5	55.7	6 700	35.0
36.0							16.1	43.5	5 200*	25.8	48.0	5 900*	36.5	52.3	6 600	44.8	54.7	6 000	36.0
37.0										20.8	45.5	5 600*	33.1	50.7	5 900	42.0	53.6	5 400	37.0
38.0										14.0	42.1	5 200*	29.4	49.0	5 300	39.0	52.4	4 800	38.0
39.0													25.1	47.0	4 700	35.8	51.0	4 200	39.0
40.0													19.8	44.4	4 100	32.3	49.4	3 700	40.0
42.0																24.0	45.5	2 600	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

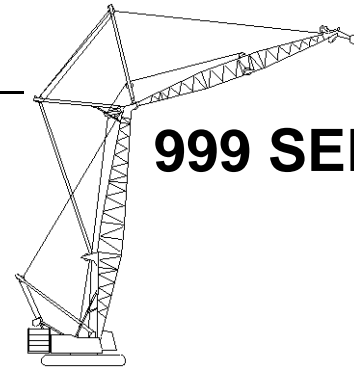
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

33.5m (110 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
13.7	73.7	67.9	24 400*																13.7
14.0	73.2	67.8	23 800*																14.0
15.0	71.4	67.4	21 500*																15.0
16.0	69.6	67.1	19 400*	71.7	67.4	21 900*													16.0
17.0	67.7	66.6	17 800*	69.9	67.0	19 800*													17.0
18.0	65.8	66.2	16 300*	68.0	66.6	18 000*													18.0
19.0	63.9	65.7	14 900*	66.2	66.2	16 500*	69.4	66.7	19 400*										19.0
20.0	62.0	65.2	13 800*	64.3	65.7	15 200*	67.6	66.3	17 600*										20.0
21.0	60.0	64.6	12 700*	62.3	65.2	14 000*	65.7	65.9	16 100*										21.0
22.0	58.0	64.0	11 800*	60.3	64.6	12 900*	63.8	65.4	14 800*										22.0
23.0	55.9	63.3	10 900*	58.3	64.0	12 000*	61.8	64.8	13 700*	65.2	65.4	15 800*							23.0
24.0	53.8	62.5	10 000*	56.3	63.3	11 100*	59.8	64.2	12 700*	63.2	64.9	14 600*							24.0
25.0	51.6	61.7	9 200*	54.1	62.6	10 300*	57.8	63.6	11 700*	61.3	64.4	13 400*							25.0
26.0	49.3	60.9	8 500*	52.0	61.8	9 400*	55.7	62.9	10 900*	59.3	63.8	12 400*							26.0
27.0	47.0	60.0	7 800*	49.7	61.0	8 700*	53.6	62.2	10 100*	57.2	63.1	11 500*							27.0
28.0	44.6	58.9	7 200*	47.4	60.0	8 000*	51.4	61.4	9 400*	55.2	62.4	10 700*	61.0	63.6	13 300*				28.0
29.0	42.0	57.8	6 700*	45.0	59.0	7 400*	49.1	60.5	8 600*	53.0	61.7	10 000*	59.0	63.0	12 300*				29.0
30.0	39.3	56.6	6 200*	42.4	57.9	6 900*	46.8	59.6	8 000*	50.8	60.9	9 200*	56.9	62.3	11 400*				30.0
31.0	36.4	55.3	5 700*	39.8	56.8	6 300*	44.3	58.6	7 400*	48.5	60.0	8 500*	54.8	61.6	10 600				31.0
32.0	33.4	53.8	5 300*	36.9	55.4	5 800*	41.8	57.4	6 800*	46.1	59.0	7 900*	52.7	60.9	9 800				32.0
33.0	30.0	52.1	4 900*	33.9	54.0	5 400*	39.1	56.2	6 300*	43.7	58.0	7 300*	50.4	60.0	9 000				33.0
34.0	26.2	50.1	4 500*	30.6	52.3	5 000*	36.2	54.9	5 900*	41.0	56.8	6 700*	48.1	59.1	8 200	54.3	60.5	7 500	34.0
35.0	21.8	47.8	4 200*	26.9	50.4	4 600*	33.1	53.4	5 400*	38.3	55.6	6 200*	45.7	58.2	7 500	52.2	59.7	6 800	35.0
36.0	16.2	44.7	3 700*	22.6	48.1	4 300*	29.7	51.7	5 000*	35.4	54.2	5 800*	43.3	57.1	6 800	49.9	58.9	6 100	36.0
37.0							25.8	49.7	4 600*	32.2	52.6	5 400*	40.6	56.0	6 100	47.6	58.0	5 500	37.0
38.0							21.4	47.2	4 300*	28.7	50.9	5 000*	37.9	54.7	5 500	45.2	57.0	4 900	38.0
39.0							15.6	44.0	4 000*	24.7	48.8	4 600*	34.9	53.3	4 900	42.7	55.9	4 400	39.0
40.0										20.0	46.2	4 300*	31.7	51.7	4 400	40.0	54.7	3 800	40.0
42.0													24.0	47.7	3 300	34.2	52.0	2 800	42.0
44.0													12.3	41.2	2 300	27.2	48.5	1 900	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

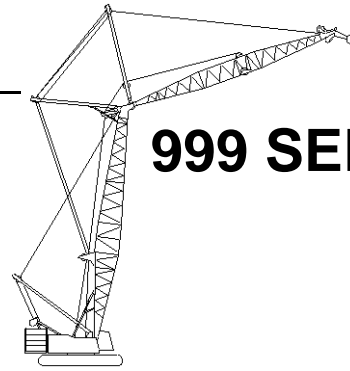
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

33.5m (110 Ft.) Boom, 70.1m (230 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
13.7	75.1	71.0	26 400*													13.7
14.0	74.7	71.0	25 800*													14.0
15.0	73.0	70.6	23 400*													15.0
16.0	71.4	70.3	21 300*													16.0
17.0	69.7	69.9	19 500*	71.6	70.3	21 700*										17.0
18.0	68.0	69.5	18 000*	70.0	69.9	19 900*										18.0
19.0	66.3	69.1	16 600*	68.3	69.5	18 200*										19.0
20.0	64.5	68.6	15 400*	66.6	69.1	16 800*	69.5	69.6	19 400*							20.0
21.0	62.8	68.1	14 300*	64.8	68.6	15 600*	67.8	69.2	17 900*							21.0
22.0	61.0	67.5	13 300*	63.1	68.1	14 500*	66.1	68.8	16 500*							22.0
23.0	59.1	66.9	12 400*	61.3	67.5	13 500*	64.4	68.3	15 300*	67.4	68.8	17 500*				23.0
24.0	57.3	66.3	11 600*	59.4	66.9	12 600*	62.6	67.7	14 200*	65.7	68.3	16 200*				24.0
25.0	55.3	65.6	10 800*	57.6	66.3	11 700*	60.8	67.2	13 200*	63.9	67.8	15 000*				25.0
26.0	53.4	64.8	10 100*	55.7	65.6	11 000*	59.0	66.6	12 300*	62.1	67.3	13 900*				26.0
27.0	51.4	64.0	9 400*	53.7	64.9	10 300*	57.1	65.9	11 500*	60.3	66.7	13 000*				27.0
28.0	49.3	63.2	8 700*	51.7	64.1	9 600*	55.2	65.2	10 800*	58.5	66.1	12 100*				28.0
29.0	47.2	62.3	8 100*	49.7	63.3	8 900*	53.2	64.5	10 100*	56.6	65.5	11 300*	61.8	66.5	12 800	29.0
30.0	44.9	61.3	7 600*	47.5	62.3	8 300*	51.2	63.7	9 500*	54.7	64.7	10 600*	60.0	65.9	11 900	30.0
31.0	42.6	60.2	7 000*	45.3	61.4	7 700*	49.1	62.8	8 900*	52.7	64.0	10 000*	58.2	65.3	10 900	31.0
32.0	40.2	59.0	6 600*	43.0	60.3	7 200*	47.0	61.9	8 300*	50.6	63.2	9 400*	56.3	64.7	10 000	32.0
33.0	37.6	57.7	6 100*	40.6	59.1	6 700*	44.7	60.9	7 700*	48.5	62.3	8 800*	54.3	63.9	9 200	33.0
34.0	34.9	56.3	5 700*	38.1	57.9	6 300*	42.4	59.8	7 200*	46.4	61.3	8 300*	52.4	63.2	8 400	34.0
35.0	32.0	54.7	5 300*	35.4	56.5	5 800*	40.0	58.6	6 700*	44.1	60.3	7 700*	50.3	62.3	7 700	35.0
36.0	28.8	53.0	4 900*	32.5	54.9	5 400*	37.4	57.3	6 200*	41.8	59.2	7 200*	48.2	61.4	7 000	36.0
37.0	25.2	50.9	4 600*	29.3	53.2	5 100*	34.7	55.9	5 800*	39.3	58.0	6 700*	46.0	60.5	6 400	37.0
38.0	21.0	48.4	4 300*	25.8	51.2	4 700*	31.7	54.3	5 400*	36.7	56.6	6 200*	43.8	59.4	5 800	38.0
39.0	15.8	45.2	3 100*	21.8	48.8	4 400*	28.5	52.5	5 100*	33.9	55.2	5 800	41.4	58.3	5 200	39.0
40.0							24.9	50.4	4 700*	30.9	53.5	5 300	38.9	57.1	4 700	40.0
42.0							15.2	44.6	3 400*	23.8	49.5	4 200	33.4	54.2	3 700	42.0
44.0										13.4	43.2	3 200	27.0	50.7	2 700	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

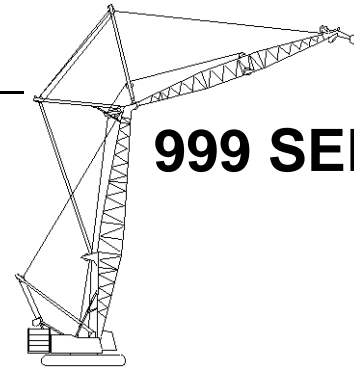
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

33.5m (110 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
15.2	74.0	73.8	22 000*										15.2
16.0	72.9	73.5	20 600*										16.0
17.0	71.3	73.2	18 800*	73.1	73.5	20 900*							17.0
18.0	69.8	72.8	17 300*	71.6	73.2	19 200*							18.0
19.0	68.2	72.4	15 900*	70.0	72.8	17 500*							19.0
20.0	66.6	72.0	14 700*	68.5	72.4	16 100*							20.0
21.0	65.0	71.5	13 600*	66.9	72.0	14 900*							21.0
22.0	63.4	71.0	12 600*	65.3	71.5	13 800*	68.1	72.1	15 800*				22.0
23.0	61.8	70.5	11 700*	63.7	71.0	12 700*	66.5	71.6	14 600*				23.0
24.0	60.1	69.9	10 900*	62.0	70.5	11 800*	64.9	71.2	13 500*				24.0
25.0	58.4	69.3	10 100*	60.4	69.9	11 000*	63.3	70.7	12 600*	66.1	71.2	14 300*	25.0
26.0	56.6	68.6	9 500*	58.7	69.3	10 300*	61.6	70.1	11 700*	64.5	70.7	13 200*	26.0
27.0	54.9	67.9	8 800*	56.9	68.6	9 600*	59.9	69.5	10 800*	62.8	70.2	12 300*	27.0
28.0	53.1	67.2	8 200*	55.2	67.9	8 900*	58.2	68.9	10 100*	61.2	69.7	11 400*	28.0
29.0	51.2	66.3	7 700*	53.4	67.2	8 300*	56.5	68.3	9 400*	59.5	69.1	10 700*	29.0
30.0	49.3	65.5	7 200*	51.5	66.4	7 800*	54.7	67.6	8 800*	57.8	68.5	9 900*	30.0
31.0	47.3	64.6	6 700*	49.6	65.6	7 300*	52.9	66.8	8 200*	56.0	67.8	9 300*	31.0
32.0	45.3	63.6	6 300*	47.6	64.6	6 800*	51.0	66.0	7 700*	54.2	67.1	8 700*	32.0
33.0	43.2	62.5	5 900*	45.6	63.7	6 300*	49.1	65.1	7 200*	52.4	66.3	8 100*	33.0
34.0	40.9	61.4	5 500*	43.5	62.6	5 900*	47.1	64.2	6 700*	50.5	65.5	7 500*	34.0
35.0	38.6	60.1	5 100*	41.3	61.5	5 500*	45.1	63.2	6 300*	48.6	64.6	7 100*	35.0
36.0	36.2	58.8	4 800*	39.0	60.3	5 200*	43.0	62.1	5 900*	46.6	63.6	6 600*	36.0
37.0	33.6	57.3	4 400*	36.6	58.9	4 800*	40.7	61.0	5 500*	44.5	62.6	6 200*	37.0
38.0	30.8	55.6	4 100*	34.0	57.5	4 500*	38.4	59.7	5 100*	42.4	61.5	5 800*	38.0
39.0	27.8	53.8	3 700*	31.3	55.8	4 200*	36.0	58.4	4 800*	40.1	60.4	5 400*	39.0
40.0	24.3	51.7	3 400*	28.3	54.0	3 900*	33.4	56.9	4 500*	37.8	59.1	5 000*	40.0
42.0				21.1	49.5	3 100*	27.5	53.3	3 900*	32.6	56.1	4 300	42.0
44.0							20.0	48.6	3 100*	26.6	52.5	3 400	44.0
46.0										18.7	47.5	2 500	46.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

36.6m (120 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

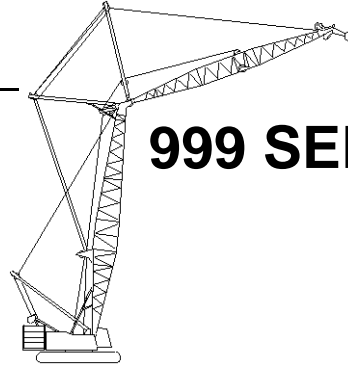
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	58.7	49.0	18 000*b																10.7
11.0	56.8	48.8	17 100*b																11.0
12.0	50.6	47.9	14 400*																12.0
13.0	43.8	46.9	12 300*	52.4	48.1	15 200*													13.0
14.0	35.9	45.6	10 700*	45.8	47.1	12 800*	57.8	48.6	17 800*b										14.0
15.0	25.7	43.7	9 400*	38.2	45.9	11 200*	51.8	47.8	15 000*										15.0
16.0				28.9	44.2	9 800*	45.1	46.8	12 700*										16.0
17.0							37.4	45.5	11 100*	51.1	47.4	14 800*							17.0
18.0							27.8	43.8	9 700*	44.3	46.4	12 700*							18.0
19.0										36.5	45.0	10 900*							19.0
20.0													51.7	46.7	15 100*				20.0
21.0													45.0	45.7	13 000*				21.0
22.0													37.4	44.4	11 200*				22.0
23.0																51.9	45.7	15 300*	23.0
24.0																45.2	44.7	13 200*	24.0
25.0																37.6	43.5	11 300*	25.0

36.6m (120 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	58.7	49.0	15 000*																10.7
11.0	56.8	48.8	14 300*																11.0
12.0	50.6	47.9	12 000*																12.0
13.0	43.8	46.9	10 200*	52.4	48.1	12 700*													13.0
14.0	35.9	45.6	8 800*	45.8	47.1	10 700*	57.8	48.6	14 900*										14.0
15.0	25.7	43.7	7 700*	38.2	45.9	9 200*	51.8	47.8	12 500*										15.0
16.0				28.9	44.2	8 000*	45.1	46.8	10 500*	57.2	48.2	14 800*							16.0
17.0							37.4	45.5	9 100*	51.1	47.4	12 200*							17.0
18.0							27.8	43.8	7 900*	44.3	46.4	10 400*							18.0
19.0										36.5	45.0	9 000*	57.8	47.5	15 200*				19.0
20.0													51.7	46.7	12 500*				20.0
21.0													45.0	45.7	10 600*				21.0
22.0													37.4	44.4	9 200*				22.0
23.0																51.9	45.7	12 700*	23.0
24.0																45.2	44.7	10 900*	24.0
25.0																37.6	43.5	9 300*	25.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

36.6m (120 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

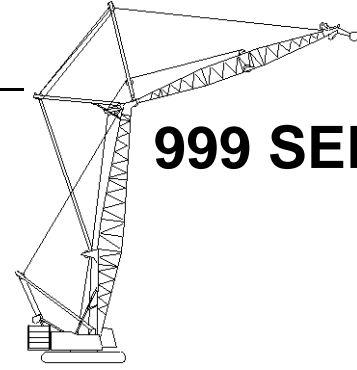
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	58.7	49.0	13 300*	65.7	49.7	17 500*b													10.7
11.0	56.8	48.8	12 600*	64.0	49.5	16 500*b													11.0
12.0	50.6	47.9	10 500*	58.4	48.9	13 300*													12.0
13.0	43.8	46.9	8 900*	52.4	48.1	10 900*													13.0
14.0	35.9	45.6	7 700*	45.8	47.1	9 300*	57.8	48.6	13 100*										14.0
15.0	25.7	43.7	6 700*	38.2	45.9	8 000*	51.8	47.8	10 900*										15.0
16.0				28.9	44.2	6 900*	45.1	46.8	9 200*	57.2	48.2	13 000*							16.0
17.0							37.4	45.5	8 000*	51.1	47.4	10 700*							17.0
18.0							27.8	43.8	6 900*	44.3	46.4	9 100*							18.0
19.0										36.5	45.0	7 800*	57.8	47.5	13 400*				19.0
20.0													51.7	46.7	11 000*				20.0
21.0													45.0	45.7	9 300*				21.0
22.0													37.4	44.4	8 000*				22.0
23.0																51.9	45.7	11 200*	23.0
24.0																45.2	44.7	9 500*	24.0
25.0																37.6	43.5	8 100*	25.0

36.6m (120 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	65.7	52.5	19 200*	70.9	53.0	25 400*b													10.7
11.0	64.2	52.4	18 200*	69.6	52.9	23 900*b													11.0
12.0	59.8	51.8	15 300*	65.4	52.4	19 300*													12.0
13.0	55.2	51.1	13 000*	61.1	51.8	15 800*													13.0
14.0	50.3	50.2	11 300*	56.5	51.2	13 600*	65.0	52.1	19 100*										14.0
15.0	45.0	49.2	9 900*	51.7	50.4	11 700*	60.6	51.6	15 900*										15.0
16.0	39.0	48.0	8 700*	46.5	49.4	10 200*	56.1	50.9	13 400*	64.5	51.8	18 900*							16.0
17.0	32.1	46.5	7 800*	40.7	48.3	9 000*	51.2	50.1	11 700*	60.1	51.2	15 500*							17.0
18.0	23.2	44.4	6 900*	34.1	46.9	8 000*	45.9	49.1	10 200*	55.5	50.5	13 200*							18.0
19.0				25.9	45.0	7 100*	40.1	48.0	9 000*	50.6	49.7	11 500*							19.0
20.0							33.4	46.5	8 000*	45.3	48.7	10 100*	60.6	50.5	16 100*				20.0
21.0							25.0	44.5	7 100*	39.4	47.5	8 900*	56.0	49.8	13 700*				21.0
22.0										32.6	46.0	7 900*	51.2	49.0	11 800*				22.0
23.0													45.9	48.0	10 300*				23.0
24.0													40.1	46.9	9 100*				24.0
25.0																33.3	45.4	8 000*	25.0
26.0																			26.0
27.0																			27.0
28.0																			28.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

36.6m (120 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

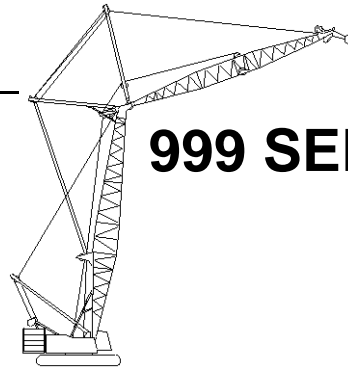
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
9.1	67.1	49.9	17 200*																9.1
10.0	62.5	49.4	14 500*																10.0
11.0	56.8	48.8	11 600*	64.0	49.5	15 300*													11.0
12.0	50.6	47.9	9 800*	58.4	48.9	12 400*													12.0
13.0	43.8	46.9	8 400*	52.4	48.1	10 200*	63.4	49.2	15 200*										13.0
14.0	35.9	45.6	7 300*	45.8	47.1	8 800*	57.8	48.6	12 100*										14.0
15.0	25.7	43.7	6 400*	38.2	45.9	7 600*	51.8	47.8	10 100*										15.0
16.0				28.9	44.2	6 600*	45.1	46.8	8 700*	57.2	48.2	12 100*							16.0
17.0							37.4	45.5	7 500*	51.1	47.4	10 000*							17.0
18.0							27.8	43.8	6 500*	44.3	46.4	8 600*							18.0
19.0										36.5	45.0	7 400*	57.8	47.5	12 500*				19.0
20.0													51.7	46.7	10 300*				20.0
21.0													45.0	45.7	8 700*				21.0
22.0													37.4	44.4	7 600*				22.0
23.0																51.9	45.7	10 400*	23.0
24.0																45.2	44.7	8 900*	24.0
25.0																37.6	43.5	7 600*	25.0

36.6m (120 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
9.1	72.0	53.2	24 000*																9.1
10.0	68.5	52.8	20 200*																10.0
11.0	64.2	52.4	16 100*	69.6	52.9	21 300*													11.0
12.0	59.8	51.8	13 600*	65.4	52.4	17 300*													12.0
13.0	55.2	51.1	11 600*	61.1	51.8	14 200*													13.0
14.0	50.3	50.2	10 100*	56.5	51.2	12 100*	65.0	52.1	17 000*										14.0
15.0	45.0	49.2	8 800*	51.7	50.4	10 500*	60.6	51.6	14 200*										15.0
16.0	39.0	48.0	7 800*	46.5	49.4	9 200*	56.1	50.9	12 000*	64.5	51.8	16 900*							16.0
17.0	32.1	46.5	6 900*	40.7	48.3	8 100*	51.2	50.1	10 400*	60.1	51.2	13 900*							17.0
18.0	23.2	44.4	6 100*	34.1	46.9	7 200*	45.9	49.1	9 100*	55.5	50.5	11 800*							18.0
19.0				25.9	45.0	6 400*	40.1	48.0	8 000*	50.6	49.7	10 300*							19.0
20.0							33.4	46.5	7 100*	45.3	48.7	9 000*	60.6	50.5	14 300*				20.0
21.0							25.0	44.5	6 300*	39.4	47.5	7 900*	56.0	49.8	12 300*				21.0
22.0										32.6	46.0	7 000*	51.2	49.0	10 500*				22.0
23.0													45.9	48.0	9 200*				23.0
24.0													40.1	46.9	8 100*				24.0
25.0													33.3	45.4	7 100*				25.0
26.0																51.3	48.0	10 700*	26.0
27.0																46.0	47.1	9 300*	27.0
28.0																40.2	45.9	8 200*	28.0
																33.5	44.4	7 200*	28.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

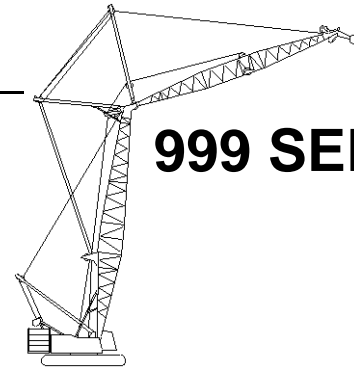
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

36.6m (120 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	75.1	56.4	26 700*																9.1
10.0	72.2	56.1	24 000*																10.0
11.0	68.9	55.7	20 800*																11.0
12.0	65.4	55.3	17 400*																12.0
13.0	61.8	54.7	14 700*	66.3	55.3	18 400*													13.0
14.0	58.1	54.1	12 900*	62.8	54.8	15 400*	69.5	55.5	21 600*										14.0
15.0	54.2	53.4	11 300*	59.1	54.2	13 400*	66.0	55.0	18 100*										15.0
16.0	50.1	52.5	9 900*	55.3	53.5	11 700*	62.4	54.5	15 200*										16.0
17.0	45.7	51.6	8 900*	51.2	52.7	10 300*	58.7	53.9	13 200*	65.6	54.7	17 800*							17.0
18.0	40.9	50.4	7 900*	46.9	51.8	9 200*	54.9	53.2	11 600*	62.0	54.1	15 200*							18.0
19.0	35.6	49.1	7 100*	42.3	50.7	8 200*	50.8	52.4	10 300*	58.3	53.5	13 100*							19.0
20.0	29.3	47.4	6 400*	37.1	49.4	7 400*	46.5	51.4	9 100*	54.4	52.8	11 500*							20.0
21.0	21.4	45.0	5 800*	31.2	47.8	6 700*	41.8	50.3	8 200*	50.4	52.0	10 200*							21.0
22.0				23.8	45.7	6 000*	36.6	49.0	7 300*	46.0	51.0	9 100*	58.7	52.8	13 500*				22.0
23.0							30.5	47.4	6 600*	41.2	49.9	8 100*	54.9	52.1	11 700*				23.0
24.0							23.0	45.2	6 000*	35.9	48.5	7 300*	50.8	51.3	10 300*				24.0
25.0										29.8	46.8	6 600*	46.4	50.4	9 200*				25.0
26.0													41.7	49.2	8 300*	55.0	51.1	11 800*	26.0
27.0													36.5	47.9	7 400*	50.9	50.3	10 500*	27.0
28.0													30.5	46.3	6 700*	46.6	49.4	9 300*	28.0
29.0																41.9	48.3	8 300*	29.0
30.0																36.6	46.9	7 500*	30.0
31.0																30.6	45.3	6 700*	31.0
32.0																23.1	43.2	6 100*	32.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

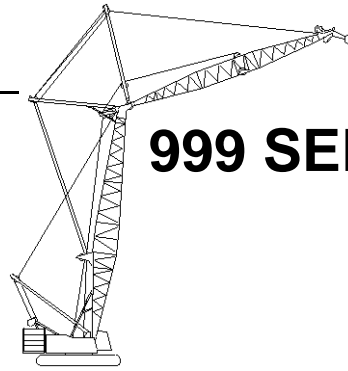
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

36.6m (120 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	73.0	59.1	26 700*																10.7
11.0	72.0	59.0	25 700*																11.0
12.0	69.2	58.6	22 500*																12.0
13.0	66.2	58.2	19 500*	69.9	58.6	23 700*													13.0
14.0	63.2	57.7	16 800*	67.0	58.2	20 200*													14.0
15.0	60.0	57.1	14 800*	64.0	57.7	17 500*													15.0
16.0	56.8	56.4	13 100*	60.9	57.1	15 300*	66.7	57.9	20 200*										16.0
17.0	53.4	55.7	11 700*	57.7	56.5	13 600*	63.7	57.4	17 400*										17.0
18.0	49.9	54.8	10 500*	54.4	55.8	12 100*	60.6	56.9	15 200*										18.0
19.0	46.2	53.9	9 500*	50.9	55.0	10 900*	57.4	56.2	13 500*	63.4	57.1	17 300*							19.0
20.0	42.2	52.8	8 600*	47.2	54.1	9 800*	54.1	55.5	12 000*	60.2	56.5	15 100*							20.0
21.0	37.8	51.5	7 800*	43.3	53.0	8 800*	50.6	54.7	10 800*	57.0	55.8	13 400*							21.0
22.0	33.0	50.0	7 100*	39.1	51.8	8 000*	46.9	53.7	9 700*	53.7	55.1	11 900*							22.0
23.0	27.3	48.2	6 500*	34.4	50.4	7 300*	42.9	52.7	8 800*	50.2	54.3	10 700*	60.6	55.8	15 400*				23.0
24.0	20.0	45.7	5 900*	28.9	48.6	6 700*	38.6	51.4	8 000*	46.4	53.3	9 700*	57.4	55.2	13 700*				24.0
25.0				22.2	46.4	6 100*	33.9	50.0	7 300*	42.5	52.2	8 800*	54.0	54.4	12 200*				25.0
26.0							28.4	48.2	6 700*	38.1	51.0	8 000*	50.5	53.6	11 000*				26.0
27.0							21.5	45.9	6 100*	33.3	49.5	7 300*	46.8	52.7	9 900*				27.0
28.0										27.7	47.7	6 600*	42.9	51.6	8 900*	54.1	53.4	12 300*	28.0
29.0													38.6	50.4	8 100*	50.6	52.6	11 000*	29.0
30.0													33.8	48.9	7 400*	46.9	51.7	9 900*	30.0
31.0													28.3	47.1	6 700*	43.0	50.6	9 000*	31.0
32.0													21.4	44.8	6 200*	38.7	49.4	8 200*	32.0
33.0																33.9	47.9	7 500*	33.0
34.0																28.4	46.2	6 800*	34.0
35.0																21.6	43.8	6 200*	35.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

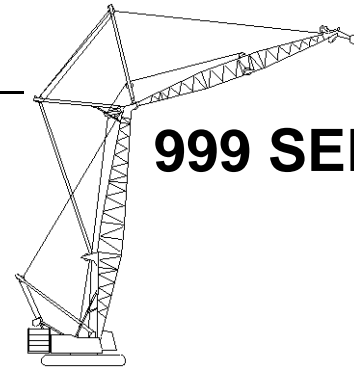
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

36.6m (120 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	75.2	62.3	26 700*																10.7
11.0	74.4	62.2	26 600*																11.0
12.0	71.9	61.9	26 400*																12.0
13.0	69.4	61.5	24 300*																13.0
14.0	66.8	61.1	20 400*	70.1	61.5	24 500*													14.0
15.0	64.2	60.6	18 000*	67.5	61.1	21 400*													15.0
16.0	61.5	60.0	16 000*	64.9	60.6	18 700*													16.0
17.0	58.7	59.4	14 400*	62.2	60.1	16 600*	67.3	60.8	21 100*										17.0
18.0	55.9	58.7	13 000*	59.5	59.5	14 800*	64.6	60.4	18 600*										18.0
19.0	52.9	58.0	11 700*	56.6	58.8	13 400*	62.0	59.8	16 500*										19.0
20.0	49.8	57.1	10 700*	53.7	58.1	12 100*	59.2	59.2	14 800*	64.3	60.0	18 400*							20.0
21.0	46.6	56.2	9 800*	50.7	57.3	11 000*	56.4	58.5	13 300*	61.7	59.4	16 400*							21.0
22.0	43.1	55.1	8 900*	47.5	56.4	10 000*	53.4	57.8	12 100*	58.9	58.8	14 700*							22.0
23.0	39.4	53.9	8 200*	44.1	55.3	9 200*	50.4	57.0	11 000*	56.0	58.2	13 200*							23.0
24.0	35.4	52.5	7 500*	40.5	54.2	8 400*	47.1	56.1	10 000*	53.1	57.4	12 000*							24.0
25.0	30.9	50.9	6 900*	36.5	52.8	7 800*	43.7	55.0	9 200*	50.0	56.6	10 900*	59.2	58.1	15 000*				25.0
26.0	25.6	48.9	6 400*	32.2	51.3	7 200*	40.1	53.8	8 400*	46.8	55.6	10 000*	56.3	57.5	13 500*				26.0
27.0	19.0	46.3	6 000*	27.2	49.4	6 600*	36.1	52.5	7 700*	43.3	54.6	9 100*	53.4	56.7	12 200*				27.0
28.0				21.0	47.0	6 100*	31.7	50.9	7 100*	39.7	53.4	8 400*	50.3	55.9	11 100*				28.0
29.0							26.6	49.0	6 600*	35.7	52.0	7 700*	47.1	55.0	10 200*	56.4	56.5	13 600*	29.0
30.0							20.3	46.5	6 100*	31.2	50.4	7 100*	43.7	53.9	9 300*	53.5	55.7	12 400*	30.0
31.0										26.0	48.4	6 600*	40.1	52.8	8 500*	50.4	54.9	11 200*	31.0
32.0										19.5	45.9	6 100*	36.1	51.4	7 900*	47.2	54.0	10 300*	32.0
33.0													31.7	49.8	7 300*	43.8	52.9	9 400*	33.0
34.0													26.6	47.9	6 700*	40.2	51.8	8 600*	34.0
35.0													20.3	45.4	6 200*	36.2	50.4	8 000*	35.0
36.0																31.8	48.9	7 400*	36.0
37.0																26.7	47.0	6 800*	37.0
38.0																20.4	44.5	6 300*	38.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

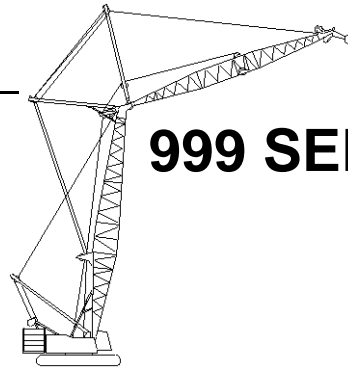
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

36.6m (120 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	73.6	65.0	26 700*																12.2
13.0	71.8	64.8	26 600*																13.0
14.0	69.5	64.4	26 000*	72.4	64.8	26 600*													14.0
15.0	67.3	64.0	23 200*	70.2	64.4	26 000*													15.0
16.0	64.9	63.5	20 500*	67.9	64.0	24 300*													16.0
17.0	62.6	63.0	18 600*	65.6	63.5	21 300*	69.9	64.1	26 100*										17.0
18.0	60.2	62.4	16 800*	63.2	63.0	19 100*	67.7	63.7	23 600*										18.0
19.0	57.7	61.7	15 200*	60.8	62.5	17 300*	65.4	63.3	21 200*										19.0
20.0	55.1	61.0	13 900*	58.4	61.8	15 700*	63.0	62.7	19 100*	67.4	63.4	23 600*							20.0
21.0	52.5	60.3	12 700*	55.8	61.2	14 300*	60.6	62.2	17 200*	65.1	62.9	21 100*							21.0
22.0	49.7	59.4	11 700*	53.2	60.4	13 100*	58.1	61.6	15 700*	62.7	62.4	18 900*							22.0
23.0	46.8	58.5	10 800*	50.5	59.6	12 000*	55.6	60.9	14 300*	60.3	61.8	17 100*							23.0
24.0	43.8	57.5	9 900*	47.6	58.7	11 100*	52.9	60.1	13 100*	57.8	61.2	15 600*							24.0
25.0	40.6	56.3	9 200*	44.7	57.7	10 200*	50.2	59.3	12 000*	55.3	60.5	14 200*							25.0
26.0	37.2	55.0	8 500*	41.5	56.5	9 500*	47.4	58.4	11 100*	52.6	59.7	13 000*	60.6	61.1	17 400*				26.0
27.0	33.4	53.5	7 900*	38.1	55.3	8 800*	44.4	57.3	10 200*	49.9	58.9	12 000*	58.1	60.5	15 900*				27.0
28.0	29.2	51.8	7 300*	34.5	53.9	8 100*	41.2	56.2	9 500*	47.0	57.9	11 000*	55.5	59.8	14 500*				28.0
29.0	24.3	49.7	6 800*	30.4	52.2	7 500*	37.8	54.9	8 800*	44.0	56.9	10 200*	52.9	59.0	13 300*				29.0
30.0	18.1	46.9	6 400*	25.7	50.2	7 000*	34.1	53.5	8 100*	40.8	55.8	9 500*	50.2	58.2	12 200*				30.0
31.0				20.0	47.7	6 500*	30.0	51.8	7 500*	37.4	54.5	8 800*	47.3	57.3	11 300*	55.6	58.8	12 300	31.0
32.0				11.6	43.8	6 100*	25.2	49.8	7 000*	33.7	53.0	8 100*	44.3	56.3	10 400*	53.0	58.0	11 400	32.0
33.0							19.4	47.2	6 500*	29.5	51.3	7 500*	41.2	55.1	9 600*	50.2	57.2	10 700	33.0
34.0										24.7	49.2	7 000*	37.8	53.9	8 900*	47.4	56.3	10 000	34.0
35.0										18.6	46.5	6 500*	34.1	52.4	8 300*	44.4	55.3	9 300	35.0
36.0													30.0	50.7	7 700*	41.2	54.1	8 600	36.0
37.0													25.2	48.7	7 200*	37.9	52.9	8 000	37.0
38.0													19.3	46.1	6 700*	34.2	51.4	7 400	38.0
39.0																30.1	49.7	6 900	39.0
40.0																25.3	47.7	6 300	40.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

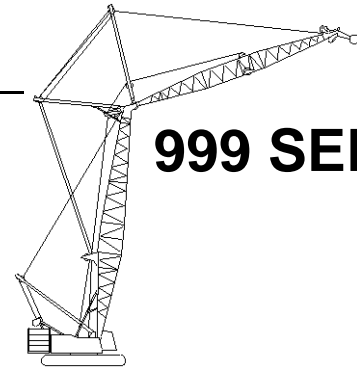
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

36.6m (120 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	75.2	62.3	26 700*																10.7
11.0	74.4	62.2	26 200*																11.0
12.0	71.9	61.9	24 700*																12.0
13.0	69.4	61.5	22 100*																13.0
14.0	66.8	61.1	18 900*	70.1	61.5	22 700*													14.0
15.0	64.2	60.6	16 600*	67.5	61.1	19 700*													15.0
16.0	61.5	60.0	14 800*	64.9	60.6	17 200*													16.0
17.0	58.7	59.4	13 300*	62.2	60.1	15 300*	67.3	60.8	19 500*										17.0
18.0	55.9	58.7	11 900*	59.5	59.5	13 700*	64.6	60.4	17 200*										18.0
19.0	52.9	58.0	10 800*	56.6	58.8	12 300*	62.0	59.8	15 200*										19.0
20.0	49.8	57.1	9 800*	53.7	58.1	11 200*	59.2	59.2	13 600*	64.3	60.0	17 000*							20.0
21.0	46.6	56.2	9 000*	50.7	57.3	10 100*	56.4	58.5	12 300*	61.7	59.4	15 200*							21.0
22.0	43.1	55.1	8 200*	47.5	56.4	9 300*	53.4	57.8	11 100*	58.9	58.8	13 500*							22.0
23.0	39.4	53.9	7 500*	44.1	55.3	8 500*	50.4	57.0	10 100*	56.0	58.2	12 200*							23.0
24.0	35.4	52.5	6 900*	40.5	54.2	7 800*	47.1	56.1	9 200*	53.1	57.4	11 100*							24.0
25.0	30.9	50.9	6 400*	36.5	52.8	7 100*	43.7	55.0	8 500*	50.0	56.6	10 100*	59.2	58.1	13 900*				25.0
26.0	25.6	48.9	5 900*	32.2	51.3	6 600*	40.1	53.8	7 800*	46.8	55.6	9 200*	56.3	57.5	12 400*				26.0
27.0	19.0	46.3	5 500*	27.2	49.4	6 100*	36.1	52.5	7 100*	43.3	54.6	8 400*	53.4	56.7	11 300*				27.0
28.0				21.0	47.0	5 600*	31.7	50.9	6 600*	39.7	53.4	7 700*	50.3	55.9	10 300*				28.0
29.0							26.6	49.0	6 100*	35.7	52.0	7 100*	47.1	55.0	9 400*	56.4	56.5	12 600*	29.0
30.0							20.3	46.5	5 600*	31.2	50.4	6 600*	43.7	53.9	8 600*	53.5	55.7	11 400*	30.0
31.0										26.0	48.4	6 000*	40.1	52.8	7 900*	50.4	54.9	10 400*	31.0
32.0										19.5	45.9	5 600*	36.1	51.4	7 300*	47.2	54.0	9 500*	32.0
33.0													31.7	49.8	6 700*	43.8	52.9	8 700*	33.0
34.0													26.6	47.9	6 200*	40.2	51.8	8 000*	34.0
35.0													20.3	45.4	5 700*	36.2	50.4	7 300*	35.0
36.0																31.8	48.9	6 800	36.0
37.0																26.7	47.0	6 200	37.0
38.0																20.4	44.5	5 600	38.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

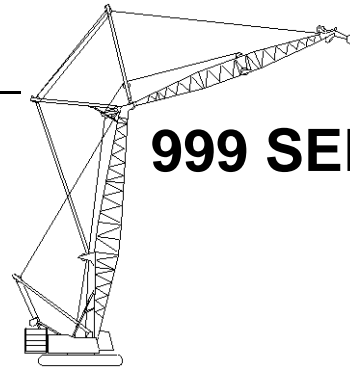
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

36.6m (120 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	73.6	65.0	26 700*																12.2
13.0	71.8	64.8	25 800*																13.0
14.0	69.5	64.4	24 300*	72.4	64.8	26 200*													14.0
15.0	67.3	64.0	21 500*	70.2	64.4	24 500*													15.0
16.0	64.9	63.5	18 900*	67.9	64.0	22 300*													16.0
17.0	62.6	63.0	17 000*	65.6	63.5	19 600*	69.9	64.1	24 700*										17.0
18.0	60.2	62.4	15 300*	63.2	63.0	17 500*	67.7	63.7	21 900*										18.0
19.0	57.7	61.7	13 900*	60.8	62.5	15 800*	65.4	63.3	19 400*										19.0
20.0	55.1	61.0	12 700*	58.4	61.8	14 400*	63.0	62.7	17 500*	67.4	63.4	21 600*							20.0
21.0	52.5	60.3	11 600*	55.8	61.2	13 100*	60.6	62.2	15 800*	65.1	62.9	19 400*							21.0
22.0	49.7	59.4	10 700*	53.2	60.4	12 000*	58.1	61.6	14 300*	62.7	62.4	17 300*							22.0
23.0	46.8	58.5	9 800*	50.5	59.6	11 000*	55.6	60.9	13 100*	60.3	61.8	15 700*							23.0
24.0	43.8	57.5	9 000*	47.6	58.7	10 100*	52.9	60.1	12 000*	57.8	61.2	14 300*							24.0
25.0	40.6	56.3	8 300*	44.7	57.7	9 300*	50.2	59.3	11 000*	55.3	60.5	13 000*							25.0
26.0	37.2	55.0	7 700*	41.5	56.5	8 600*	47.4	58.4	10 100*	52.6	59.7	11 900*	60.6	61.1	16 000*				26.0
27.0	33.4	53.5	7 200*	38.1	55.3	8 000*	44.4	57.3	9 300*	49.9	58.9	10 900*	58.1	60.5	14 500*				27.0
28.0	29.2	51.8	6 600*	34.5	53.9	7 400*	41.2	56.2	8 600*	47.0	57.9	10 100*	55.5	59.8	13 200*				28.0
29.0	24.3	49.7	6 200*	30.4	52.2	6 800*	37.8	54.9	8 000*	44.0	56.9	9 300*	52.9	59.0	12 200*				29.0
30.0	18.1	46.9	5 800*	25.7	50.2	6 300*	34.1	53.5	7 400*	40.8	55.8	8 600*	50.2	58.2	11 200*				30.0
31.0				20.0	47.7	5 900*	30.0	51.8	6 800*	37.4	54.5	8 000*	47.3	57.3	10 300*	55.6	58.8	10 800	31.0
32.0				11.6	43.8	5 500*	25.2	49.8	6 400*	33.7	53.0	7 400*	44.3	56.3	9 500*	53.0	58.0	9 900	32.0
33.0							19.4	47.2	5 900*	29.5	51.3	6 900*	41.2	55.1	8 800*	50.2	57.2	9 100	33.0
34.0										24.7	49.2	6 400*	37.8	53.9	8 100*	47.4	56.3	8 400	34.0
35.0										18.6	46.5	6 000*	34.1	52.4	7 600*	44.4	55.3	7 700	35.0
36.0													30.0	50.7	7 000*	41.2	54.1	7 100	36.0
37.0																25.2	48.7	6 500*	37.0
38.0																19.3	46.1	6 100*	38.0
39.0																			39.0
40.0																			40.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

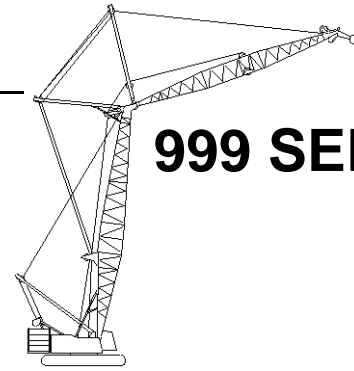
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

36.6m (120 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	75.2	62.3	26 700*																10.7
11.0	74.4	62.2	25 800*																11.0
12.0	71.9	61.9	23 100*																12.0
13.0	69.4	61.5	20 200*																13.0
14.0	66.8	61.1	17 500*	70.1	61.5	21 000*													14.0
15.0	64.2	60.6	15 400*	67.5	61.1	18 300*													15.0
16.0	61.5	60.0	13 700*	64.9	60.6	16 000*													16.0
17.0	58.7	59.4	12 200*	62.2	60.1	14 200*	67.3	60.8	18 100*										17.0
18.0	55.9	58.7	11 000*	59.5	59.5	12 700*	64.6	60.4	15 900*										18.0
19.0	52.9	58.0	10 000*	56.6	58.8	11 400*	62.0	59.8	14 100*										19.0
20.0	49.8	57.1	9 100*	53.7	58.1	10 300*	59.2	59.2	12 600*	64.3	60.0	15 800*							20.0
21.0	46.6	56.2	8 300*	50.7	57.3	9 400*	56.4	58.5	11 400*	61.7	59.4	14 000*							21.0
22.0	43.1	55.1	7 600*	47.5	56.4	8 500*	53.4	57.8	10 300*	58.9	58.8	12 500*							22.0
23.0	39.4	53.9	6 900*	44.1	55.3	7 800*	50.4	57.0	9 300*	56.0	58.2	11 300*							23.0
24.0	35.4	52.5	6 400*	40.5	54.2	7 100*	47.1	56.1	8 500*	53.1	57.4	10 200*							24.0
25.0	30.9	50.9	5 900*	36.5	52.8	6 500*	43.7	55.0	7 800*	50.0	56.6	9 300*	59.2	58.1	12 800*				25.0
26.0	25.6	48.9	5 400*	32.2	51.3	6 000*	40.1	53.8	7 200*	46.8	55.6	8 500*	56.3	57.5	11 500*				26.0
27.0	19.0	46.3	5 000*	27.2	49.4	5 600*	36.1	52.5	6 600*	43.3	54.6	7 800*	53.4	56.7	10 400*				27.0
28.0				21.0	47.0	5 200*	31.7	50.9	6 000*	39.7	53.4	7 100*	50.3	55.9	9 500*				28.0
29.0							26.6	49.0	5 600*	35.7	52.0	6 500*	47.1	55.0	8 700*	56.4	56.5	11 200	29.0
30.0							20.3	46.5	5 100*	31.2	50.4	6 000*	43.7	53.9	7 900*	53.5	55.7	10 200	30.0
31.0										26.0	48.4	5 600*	40.1	52.8	7 300*	50.4	54.9	9 300	31.0
32.0										19.5	45.9	5 100*	36.1	51.4	6 700*	47.2	54.0	8 400	32.0
33.0													31.7	49.8	6 200*	43.8	52.9	7 500	33.0
34.0													26.6	47.9	5 700*	40.2	51.8	6 700	34.0
35.0													20.3	45.4	5 200*	36.2	50.4	6 000	35.0
36.0																31.8	48.9	5 300	36.0
37.0																26.7	47.0	4 600	37.0
38.0																20.4	44.5	4 000	38.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

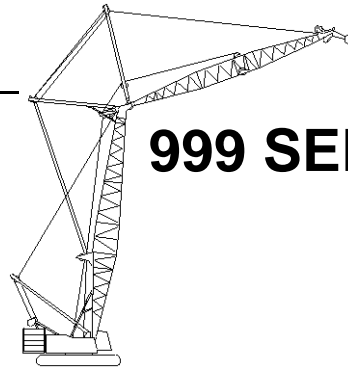
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

36.6m (120 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	73.6	65.0	26 700*																12.2
13.0	71.8	64.8	24 700*																13.0
14.0	69.5	64.4	22 200*	72.4	64.8	25 900*													14.0
15.0	67.3	64.0	19 600*	70.2	64.4	22 900*													15.0
16.0	64.9	63.5	17 400*	67.9	64.0	20 300*													16.0
17.0	62.6	63.0	15 600*	65.6	63.5	18 000*	69.9	64.1	22 800*										17.0
18.0	60.2	62.4	14 100*	63.2	63.0	16 200*	67.7	63.7	20 200*										18.0
19.0	57.7	61.7	12 800*	60.8	62.5	14 600*	65.4	63.3	17 900*										19.0
20.0	55.1	61.0	11 600*	58.4	61.8	13 200*	63.0	62.7	16 100*	67.4	63.4	19 900*							20.0
21.0	52.5	60.3	10 600*	55.8	61.2	12 000*	60.6	62.2	14 500*	65.1	62.9	17 800*							21.0
22.0	49.7	59.4	9 800*	53.2	60.4	11 000*	58.1	61.6	13 200*	62.7	62.4	16 000*							22.0
23.0	46.8	58.5	9 000*	50.5	59.6	10 100*	55.6	60.9	12 000*	60.3	61.8	14 400*							23.0
24.0	43.8	57.5	8 300*	47.6	58.7	9 300*	52.9	60.1	11 000*	57.8	61.2	13 100*							24.0
25.0	40.6	56.3	7 600*	44.7	57.7	8 500*	50.2	59.3	10 100*	55.3	60.5	12 000*							25.0
26.0	37.2	55.0	7 100*	41.5	56.5	7 900*	47.4	58.4	9 300*	52.6	59.7	11 000*	60.6	61.1	14 700*				26.0
27.0	33.4	53.5	6 600*	38.1	55.3	7 300*	44.4	57.3	8 500*	49.9	58.9	10 100*	58.1	60.5	13 400*				27.0
28.0	29.2	51.8	6 100*	34.5	53.9	6 700*	41.2	56.2	7 900*	47.0	57.9	9 300*	55.5	59.8	12 200*				28.0
29.0	24.3	49.7	5 600*	30.4	52.2	6 200*	37.8	54.9	7 300*	44.0	56.9	8 500*	52.9	59.0	11 200*				29.0
30.0	18.1	46.9	5 300*	25.7	50.2	5 800*	34.1	53.5	6 800*	40.8	55.8	7 900*	50.2	58.2	10 200*				30.0
31.0				20.0	47.7	5 400*	30.0	51.8	6 300*	37.4	54.5	7 300*	47.3	57.3	9 400*	55.6	58.8	9 500	31.0
32.0				11.6	43.8	5 100*	25.2	49.8	5 800*	33.7	53.0	6 800*	44.3	56.3	8 700*	53.0	58.0	8 600	32.0
33.0							19.4	47.2	5 400*	29.5	51.3	6 300*	41.2	55.1	8 100*	50.2	57.2	7 800	33.0
34.0										24.7	49.2	5 800*	37.8	53.9	7 400	47.4	56.3	7 000	34.0
35.0										18.6	46.5	5 400*	34.1	52.4	6 800	44.4	55.3	6 200	35.0
36.0													30.0	50.7	6 100	41.2	54.1	5 600	36.0
37.0													25.2	48.7	5 400	37.9	52.9	4 900	37.0
38.0													19.3	46.1	4 700	34.2	51.4	4 300	38.0
39.0																30.1	49.7	3 700	39.0
40.0																25.3	47.7	3 200	40.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

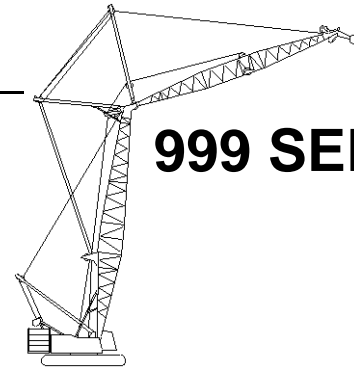
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

36.6m (120 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	75.3	68.2	26 700*																12.2
13.0	73.7	68.0	26 100*																13.0
14.0	71.7	67.6	25 000*																14.0
15.0	69.7	67.3	22 600*																15.0
16.0	67.6	66.8	20 300*	70.2	67.3	23 200*													16.0
17.0	65.5	66.4	18 300*	68.2	66.9	20 900*													17.0
18.0	63.4	65.9	16 600*	66.1	66.4	18 900*													18.0
19.0	61.3	65.3	15 000*	64.0	65.9	17 100*	68.0	66.6	20 800*										19.0
20.0	59.1	64.7	13 800*	61.9	65.4	15 500*	65.9	66.2	18 800*										20.0
21.0	56.8	64.1	12 600*	59.7	64.8	14 200*	63.8	65.7	17 100*										21.0
22.0	54.5	63.4	11 600*	57.4	64.2	13 000*	61.7	65.1	15 500*	65.7	65.8	18 700*							22.0
23.0	52.1	62.6	10 700*	55.1	63.5	11 900*	59.5	64.5	14 200*	63.6	65.3	16 900*							23.0
24.0	49.6	61.7	9 900*	52.8	62.7	11 000*	57.2	63.9	13 000*	61.4	64.7	15 400*							24.0
25.0	47.1	60.8	9 100*	50.3	61.9	10 200*	54.9	63.2	12 000*	59.2	64.1	14 100*							25.0
26.0	44.4	59.8	8 500*	47.8	61.0	9 400*	52.5	62.4	11 000*	57.0	63.5	13 000*							26.0
27.0	41.5	58.7	7 900*	45.1	60.0	8 700*	50.1	61.6	10 200*	54.7	62.8	11 900*							27.0
28.0	38.5	57.4	7 300*	42.3	58.9	8 100*	47.5	60.7	9 500*	52.3	62.0	11 000*	59.5	63.5	13 500				28.0
29.0	35.3	56.0	6 800*	39.4	57.7	7 500*	44.9	59.7	8 800*	49.8	61.2	10 200*	57.2	62.8	12 300				29.0
30.0	31.8	54.4	6 300*	36.2	56.3	7 000*	42.0	58.6	8 100*	47.2	60.2	9 500*	54.9	62.1	11 300				30.0
31.0	27.8	52.6	5 900*	32.8	54.8	6 500*	39.1	57.3	7 600*	44.5	59.2	8 800*	52.5	61.3	10 400				31.0
32.0	23.2	50.4	5 500*	28.9	53.0	6 100*	35.9	56.0	7 100*	41.7	58.1	8 200*	50.1	60.5	9 500	57.3	61.8	8 700	32.0
33.0	17.5	47.5	5 200*	24.6	51.0	5 700*	32.4	54.4	6 600*	38.7	56.9	7 600*	47.5	59.6	8 700	55.0	61.1	7 900	33.0
34.0				19.2	48.3	5 300*	28.5	52.6	6 100*	35.5	55.5	7 100*	44.8	58.6	7 900	52.6	60.3	7 200	34.0
35.0				11.5	44.3	5 000*	24.1	50.5	5 700*	32.0	53.9	6 600*	42.0	57.5	7 200	50.1	59.5	6 500	35.0
36.0							18.6	47.8	5 400*	28.1	52.1	6 200*	39.0	56.3	6 500	47.6	58.6	5 800	36.0
37.0										23.5	49.9	5 800*	35.8	54.9	5 800	44.9	57.6	5 200	37.0
38.0										17.9	47.1	5 400*	32.4	53.3	5 200	42.1	56.5	4 600	38.0
39.0													28.5	51.6	4 600	39.1	55.3	4 000	39.0
40.0													24.1	49.4	4 000	35.9	53.9	3 500	40.0
42.0																28.6	50.6	2 500	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

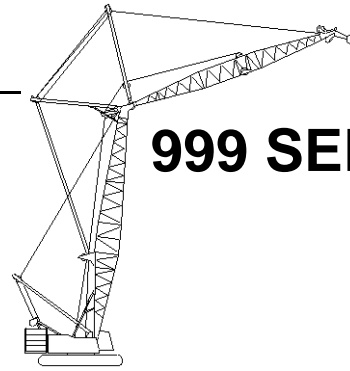
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

36.6m (120 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
13.7	73.9	70.9	24 800*													13.7
14.0	73.4	70.9	24 100*													14.0
15.0	71.6	70.5	21 700*													15.0
16.0	69.8	70.1	19 700*	72.1	70.5	22 500*										16.0
17.0	67.9	69.7	18 000*	70.3	70.2	20 300*										17.0
18.0	66.0	69.3	16 500*	68.4	69.8	18 400*										18.0
19.0	64.1	68.8	15 100*	66.6	69.3	16 900*										19.0
20.0	62.2	68.3	13 900*	64.7	68.8	15 500*	68.3	69.5	18 300*							20.0
21.0	60.2	67.7	12 900*	62.7	68.3	14 300*	66.4	69.1	16 800*							21.0
22.0	58.2	67.1	11 900*	60.8	67.8	13 200*	64.5	68.6	15 300*							22.0
23.0	56.1	66.4	11 000*	58.8	67.2	12 200*	62.5	68.1	14 200*	66.2	68.7	16 600*				23.0
24.0	54.0	65.7	10 100*	56.7	66.5	11 300*	60.6	67.5	13 100*	64.3	68.2	15 300*				24.0
25.0	51.8	64.9	9 300*	54.6	65.8	10 400*	58.6	66.9	12 100*	62.3	67.7	14 000*				25.0
26.0	49.6	64.0	8 500*	52.4	65.0	9 600*	56.5	66.2	11 300*	60.3	67.1	13 000*				26.0
27.0	47.2	63.1	7 900*	50.2	64.2	8 800*	54.4	65.5	10 400*	58.3	66.5	12 000*				27.0
28.0	44.8	62.1	7 300*	47.9	63.3	8 100*	52.2	64.7	9 700*	56.3	65.8	11 200*				28.0
29.0	42.3	61.0	6 700*	45.5	62.3	7 500*	50.0	63.9	8 900*	54.2	65.1	10 400*	60.6	66.4	12 400	29.0
30.0	39.6	59.8	6 200*	43.0	61.2	7 000*	47.7	63.0	8 200*	52.0	64.3	9 600*	58.5	65.8	11 400	30.0
31.0	36.8	58.5	5 700*	40.3	60.1	6 400*	45.3	62.0	7 600*	49.7	63.5	8 900*	56.5	65.1	10 500	31.0
32.0	33.7	57.0	5 300*	37.5	58.8	5 900*	42.7	60.9	7 000*	47.4	62.5	8 200*	54.4	64.4	9 600	32.0
33.0	30.4	55.3	4 900*	34.6	57.3	5 500*	40.1	59.7	6 500*	45.0	61.5	7 600*	52.2	63.6	8 800	33.0
34.0	26.6	53.4	4 500*	31.3	55.7	5 100*	37.3	58.4	6 000*	42.4	60.5	7 000*	50.0	62.8	8 000	34.0
35.0	22.3	51.1	4 200*	27.7	53.9	4 700*	34.3	57.0	5 600*	39.8	59.3	6 500*	47.6	61.9	7 300	35.0
36.0	16.9	48.1	3 900*	23.6	51.7	4 400*	31.0	55.3	5 100*	36.9	57.9	6 000*	45.2	60.9	6 600	36.0
37.0				18.5	48.9	4 000*	27.3	53.5	4 700*	33.9	56.5	5 600*	42.7	59.8	6 000	37.0
38.0				11.4	44.9	3 300*	23.1	51.2	4 400*	30.6	54.8	5 200*	40.1	58.6	5 400	38.0
39.0							18.0	48.4	4 100*	26.9	52.9	4 800*	37.2	57.3	4 800	39.0
40.0										22.6	50.6	4 400*	34.2	55.9	4 200	40.0
42.0													27.3	52.4	3 200	42.0
44.0													17.9	47.3	2 300	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

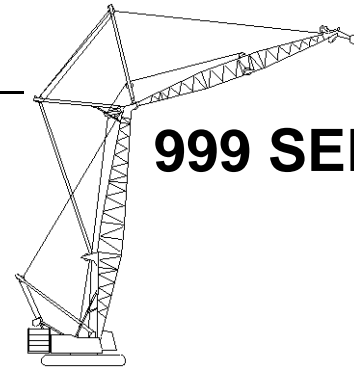
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

36.6m (120 Ft.) Boom, 70.1m (230 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
13.7	75.3	74.1	26 700*													13.7
14.0	74.8	74.0	26 000*													14.0
15.0	73.2	73.7	23 700*													15.0
16.0	71.5	73.4	21 600*													16.0
17.0	69.9	73.0	19 800*	72.0	73.4	22 200*										17.0
18.0	68.2	72.6	18 200*	70.3	73.0	20 300*										18.0
19.0	66.5	72.2	16 800*	68.6	72.6	18 600*										19.0
20.0	64.7	71.7	15 500*	66.9	72.2	17 200*	70.2	72.8	20 100*							20.0
21.0	63.0	71.2	14 400*	65.2	71.7	15 900*	68.5	72.4	18 500*							21.0
22.0	61.2	70.6	13 400*	63.4	71.2	14 700*	66.8	71.9	17 000*							22.0
23.0	59.3	70.0	12 500*	61.6	70.7	13 700*	65.0	71.5	15 800*							23.0
24.0	57.5	69.4	11 700*	59.8	70.1	12 800*	63.3	71.0	14 600*							24.0
25.0	55.6	68.7	10 900*	58.0	69.5	11 900*	61.5	70.4	13 600*	64.8	71.1	15 700*				25.0
26.0	53.6	68.0	10 200*	56.1	68.8	11 200*	59.7	69.8	12 700*	63.1	70.6	14 500*				26.0
27.0	51.6	67.2	9 500*	54.1	68.1	10 500*	57.8	69.2	11 900*	61.3	70.0	13 500*				27.0
28.0	49.5	66.3	8 800*	52.1	67.3	9 800*	55.9	68.5	11 100*	59.4	69.5	12 600*				28.0
29.0	47.4	65.4	8 200*	50.1	66.5	9 100*	53.9	67.8	10 400*	57.6	68.8	11 800*				29.0
30.0	45.2	64.4	7 600*	48.0	65.6	8 500*	52.0	67.0	9 800*	55.7	68.1	11 000*				30.0
31.0	42.9	63.3	7 100*	45.8	64.6	7 900*	49.9	66.2	9 200*	53.7	67.4	10 300*	59.6	68.8	10 700	31.0
32.0	40.5	62.2	6 600*	43.5	63.6	7 300*	47.8	65.3	8 500*	51.7	66.6	9 700*	57.8	68.1	9 800	32.0
33.0	37.9	60.9	6 100*	41.1	62.4	6 800*	45.6	64.3	7 900*	49.7	65.8	9 100*	55.9	67.5	9 000	33.0
34.0	35.2	59.5	5 700*	38.6	61.2	6 300*	43.3	63.2	7 400*	47.5	64.8	8 600*	53.9	66.7	8 200	34.0
35.0	32.3	58.0	5 300*	36.0	59.8	5 900*	40.9	62.1	6 900*	45.3	63.9	8 000*	51.9	65.9	7 500	35.0
36.0	29.1	56.2	5 000*	33.1	58.3	5 500*	38.4	60.8	6 400*	43.0	62.8	7 400*	49.9	65.1	6 800	36.0
37.0	25.6	54.2	4 600*	30.0	56.6	5 100*	35.7	59.5	6 000*	40.6	61.6	6 900	47.8	64.2	6 200	37.0
38.0	21.5	51.8	4 300*	26.6	54.7	4 800*	32.8	57.9	5 600*	38.1	60.4	6 300	45.6	63.2	5 600	38.0
39.0	16.4	48.7	3 300*	22.7	52.4	4 500*	29.7	56.2	5 200*	35.4	59.0	5 700	43.3	62.2	5 100	39.0
40.0				17.9	49.5	3 800*	26.3	54.3	4 900*	32.5	57.4	5 200	40.9	61.0	4 500	40.0
42.0							17.4	49.0	4 000*	25.9	53.7	4 100	35.7	58.4	3 500	42.0
44.0										16.8	48.3	3 100	29.7	55.1	2 600	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

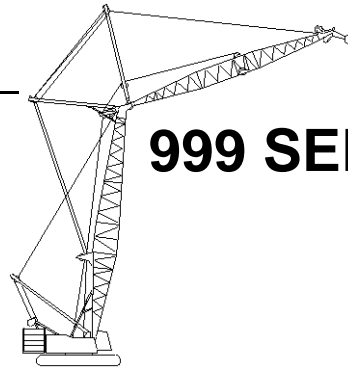
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

36.6m (120 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
15.2	74.2	76.8	22 300*										15.2
16.0	73.0	76.6	20 800*										16.0
17.0	71.5	76.3	19 000*	73.4	76.6	21 300*							17.0
18.0	69.9	75.9	17 500*	71.9	76.3	19 500*							18.0
19.0	68.4	75.5	16 100*	70.4	75.9	17 900*							19.0
20.0	66.8	75.1	14 800*	68.8	75.5	16 400*							20.0
21.0	65.2	74.6	13 700*	67.2	75.1	15 200*							21.0
22.0	63.6	74.1	12 700*	65.6	74.6	14 000*	68.7	75.3	16 400*				22.0
23.0	61.9	73.6	11 800*	64.0	74.2	13 000*	67.1	74.8	15 100*				23.0
24.0	60.3	73.0	11 000*	62.4	73.6	12 100*	65.5	74.4	14 000*				24.0
25.0	58.6	72.4	10 200*	60.7	73.1	11 200*	63.9	73.9	12 900*	66.9	74.5	15 000*	25.0
26.0	56.8	71.7	9 500*	59.0	72.5	10 400*	62.2	73.4	12 000*	65.3	74.0	13 800*	26.0
27.0	55.1	71.0	8 900*	57.3	71.8	9 700*	60.6	72.8	11 200*	63.7	73.5	12 800*	27.0
28.0	53.2	70.3	8 300*	55.5	71.1	9 100*	58.9	72.2	10 400*	62.0	73.0	11 900*	28.0
29.0	51.4	69.5	7 800*	53.7	70.4	8 500*	57.1	71.5	9 700*	60.4	72.4	11 100*	29.0
30.0	49.5	68.6	7 300*	51.9	69.6	7 900*	55.4	70.8	9 100*	58.7	71.8	10 300*	30.0
31.0	47.5	67.7	6 800*	50.0	68.8	7 400*	53.6	70.1	8 400*	56.9	71.1	9 600*	31.0
32.0	45.5	66.7	6 300*	48.1	67.9	6 900*	51.7	69.3	7 900*	55.2	70.4	9 000*	32.0
33.0	43.4	65.7	5 900*	46.1	66.9	6 500*	49.8	68.5	7 400*	53.4	69.7	8 400*	33.0
34.0	41.2	64.5	5 500*	44.0	65.9	6 100*	47.9	67.6	6 900*	51.5	68.9	7 900*	34.0
35.0	38.9	63.3	5 200*	41.8	64.8	5 600*	45.9	66.6	6 500*	49.6	68.1	7 300*	35.0
36.0	36.5	62.0	4 800*	39.5	63.6	5 300*	43.8	65.6	6 000*	47.7	67.1	6 900*	36.0
37.0	33.9	60.5	4 400*	37.1	62.3	4 900*	41.6	64.4	5 600*	45.6	66.2	6 400*	37.0
38.0	31.1	58.9	4 100*	34.6	60.8	4 600*	39.3	63.2	5 300*	43.5	65.1	6 000*	38.0
39.0	28.1	57.0	3 800*	31.9	59.2	4 300*	36.9	61.9	4 900*	41.3	64.0	5 600*	39.0
40.0	24.7	54.9	3 500*	28.9	57.5	3 900*	34.4	60.5	4 600*	39.0	62.8	5 200	40.0
42.0				22.0	53.1	3 300*	28.6	57.1	4 000*	34.1	60.0	4 300	42.0
44.0							21.6	52.6	3 300*	28.3	56.5	3 300	44.0
46.0										21.1	52.0	2 500	46.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

39.6m (130 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

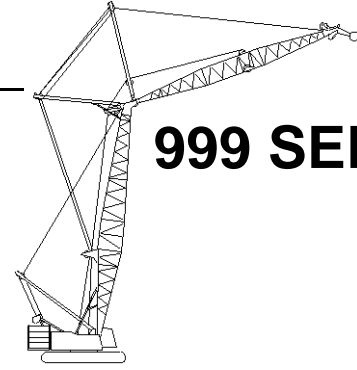
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	59.3	52.1	18 400*b																10.7
11.0	57.4	51.9	17 500*b																11.0
12.0	51.3	51.1	14 700*																12.0
13.0	44.6	50.1	12 500*	53.7	51.3	15 800*													13.0
14.0	36.8	48.8	10 900*	47.3	50.4	13 300*													14.0
15.0	27.0	47.0	9 600*	40.0	49.2	11 500*													15.0
16.0				31.1	47.7	10 100*	47.7	50.2	13 700*										16.0
17.0							40.4	49.1	11 700*	54.4	50.8	16 300*b							17.0
18.0							31.7	47.5	10 200*	48.0	49.9	13 800*							18.0
19.0										40.8	48.8	11 800*							19.0
20.0													56.5	50.3	17 500*b				20.0
21.0													50.4	49.5	14 800*				21.0
22.0													43.5	48.4	12 600*				22.0
23.0													35.5	47.1	11 000*				23.0
24.0													25.2	45.1	9 600*				24.0
25.0																45.5	47.6	13 400*	25.0
26.0																37.9	46.4	11 500*	26.0
27.0																28.5	44.7	10 000*	27.0

39.6m (130 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	59.3	52.1	15 400*																10.7
11.0	57.4	51.9	14 600*																11.0
12.0	51.3	51.1	12 200*																12.0
13.0	44.6	50.1	10 400*	53.7	51.3	13 200*													13.0
14.0	36.8	48.8	9 000*	47.3	50.4	11 000*	59.9	51.9	16 100*b										14.0
15.0	27.0	47.0	7 900*	40.0	49.2	9 500*	54.1	51.1	13 400*										15.0
16.0				31.1	47.7	8 300*	47.7	50.2	11 200*	60.2	51.5	16 600*b							16.0
17.0							40.4	49.1	9 700*	54.4	50.8	13 400*							17.0
18.0							31.7	47.5	8 400*	48.0	49.9	11 300*							18.0
19.0										40.8	48.8	9 800*							19.0
20.0													56.5	50.3	14 600*				20.0
21.0													50.4	49.5	12 300*				21.0
22.0													43.5	48.4	10 400*				22.0
23.0													35.5	47.1	9 000*				23.0
24.0													25.2	45.1	7 900*				24.0
25.0																45.5	47.6	11 100*	25.0
26.0																37.9	46.4	9 400*	26.0
27.0																28.5	44.7	8 200*	27.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

39.6m (130 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	59.3	52.1	13 600*																10.7
11.0	57.4	51.9	12 900*																11.0
12.0	51.3	51.1	10 700*																12.0
13.0	44.6	50.1	9 000*	53.7	51.3	11 600*													13.0
14.0	36.8	48.8	7 800*	47.3	50.4	9 700*	59.9	51.9	14 300*										14.0
15.0	27.0	47.0	6 800*	40.0	49.2	8 300*	54.1	51.1	11 800*										15.0
16.0				31.1	47.7	7 200*	47.7	50.2	9 800*	60.2	51.5	14 600*							16.0
17.0							40.4	49.1	8 400*	54.4	50.8	11 800*							17.0
18.0							31.7	47.5	7 300*	48.0	49.9	9 900*							18.0
19.0										40.8	48.8	8 500*							19.0
20.0													56.5	50.3	12 900*				20.0
21.0													50.4	49.5	10 800*				21.0
22.0													43.5	48.4	9 100*				22.0
23.0													35.5	47.1	7 900*				23.0
24.0													25.2	45.1	6 800*				24.0
25.0																45.5	47.6	9 700*	25.0
26.0																37.9	46.4	8 200*	26.0
27.0																28.5	44.7	7 100*	27.0

39.6m (130 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

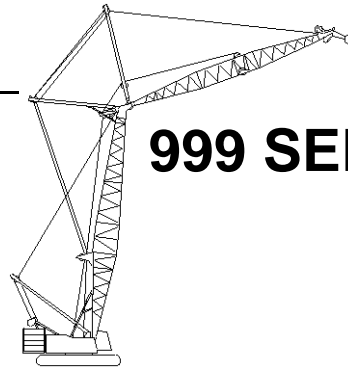
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	66.1	55.6	19 700*																10.7
11.0	64.7	55.5	18 700*																11.0
12.0	60.3	54.9	15 600*																12.0
13.0	55.7	54.2	13 200*	62.0	55.0	16 900*													13.0
14.0	50.8	53.4	11 400*	57.5	54.4	14 100*	66.6	55.3	20 700*										14.0
15.0	45.6	52.4	10 000*	52.7	53.6	12 100*	62.3	54.8	17 100*										15.0
16.0	39.7	51.2	8 800*	47.6	52.7	10 600*	57.8	54.2	14 300*										16.0
17.0	32.9	49.7	7 800*	42.0	51.6	9 300*	53.0	53.4	12 300*	62.5	54.5	17 300*							17.0
18.0	24.3	47.7	7 000*	35.6	50.2	8 200*	48.0	52.5	10 700*	58.0	53.9	14 700*							18.0
19.0				27.9	48.5	7 300*	42.4	51.4	9 400*	53.3	53.1	12 500*							19.0
20.0							36.0	50.1	8 300*	48.2	52.2	10 900*							20.0
21.0							28.4	48.4	7 400*	42.6	51.2	9 500*							21.0
22.0										36.4	49.8	8 400*	55.0	52.6	13 400*				22.0
23.0													50.1	51.8	11 500*				23.0
24.0													44.7	50.8	10 100*				24.0
25.0													38.7	49.5	8 900*				25.0
26.0													31.7	48.0	7 900*	51.5	50.9	12 100*	26.0
27.0													22.7	45.8	7 000*	46.3	50.0	10 600*	27.0
28.0																40.5	48.8	9 300*	28.0
29.0																33.8	47.4	8 200*	29.0
30.0																25.6	45.4	7 300*	30.0



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**



999 SERIES 2

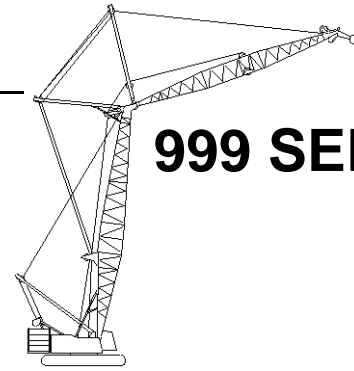
39.6m (130 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	67.6	53.0	17 800*b																9.1
10.0	63.0	52.5	14 900*																10.0
11.0	57.4	51.9	11 900*	65.1	52.6	16 200*													11.0
12.0	51.3	51.1	10 000*	59.6	52.0	13 000*													12.0
13.0	44.6	50.1	8 500*	53.7	51.3	10 600*	65.4	52.4	16 700*										13.0
14.0	36.8	48.8	7 400*	47.3	50.4	9 100*	59.9	51.9	13 000*										14.0
15.0	27.0	47.0	6 400*	40.0	49.2	7 800*	54.1	51.1	10 800*										15.0
16.0				31.1	47.7	6 800*	47.7	50.2	9 200*	60.2	51.5	13 600*							16.0
17.0							40.4	49.1	8 000*	54.4	50.8	11 000*							17.0
18.0							31.7	47.5	6 900*	48.0	49.9	9 300*							18.0
19.0										40.8	48.8	8 000*							19.0
20.0													56.5	50.3	11 900*				20.0
21.0													50.4	49.5	10 100*				21.0
22.0													43.5	48.4	8 500*				22.0
23.0													35.5	47.1	7 400*				23.0
24.0													25.2	45.1	6 500*				24.0
25.0																45.5	47.6	9 100*	25.0
26.0																37.9	46.4	7 700*	26.0
27.0																28.5	44.7	6 700*	27.0

REFERENCE ONLY!



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

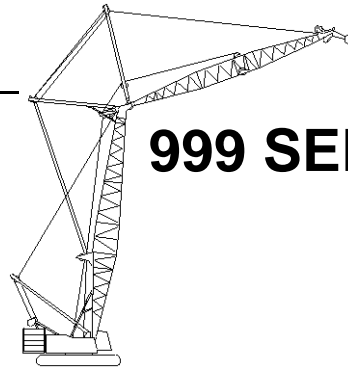
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

39.6m (130 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	72.4	56.3	24 800* ^b																9.1
10.0	68.9	55.9	20 800*																10.0
11.0	64.7	55.5	16 500*	70.5	56.0	22 600*													11.0
12.0	60.3	54.9	13 800*	66.3	55.6	18 100*													12.0
13.0	55.7	54.2	11 800*	62.0	55.0	14 800*													13.0
14.0	50.8	53.4	10 200*	57.5	54.4	12 600*	66.6	55.3	18 500*										14.0
15.0	45.6	52.4	9 000*	52.7	53.6	10 800*	62.3	54.8	15 300*										15.0
16.0	39.7	51.2	7 900*	47.6	52.7	9 500*	57.8	54.2	12 700*										16.0
17.0	32.9	49.7	7 000*	42.0	51.6	8 300*	53.0	53.4	11 000*	62.5	54.5	15 400*							17.0
18.0	24.3	47.7	6 200*	35.6	50.2	7 400*	48.0	52.5	9 500*	58.0	53.9	13 100*							18.0
19.0				27.9	48.5	6 500*	42.4	51.4	8 400*	53.3	53.1	11 100*							19.0
20.0							36.0	50.1	7 400*	48.2	52.2	9 700*							20.0
21.0							28.4	48.4	6 600*	42.6	51.2	8 500*							21.0
22.0										36.4	49.8	7 500*	55.0	52.6	12 000*				22.0
23.0													50.1	51.8	10 300*				23.0
24.0													44.7	50.8	9 000*				24.0
25.0													38.7	49.5	7 900*				25.0
26.0													31.7	48.0	7 000*	51.5	50.9	10 800*	26.0
27.0													22.7	45.8	6 200*	46.3	50.0	9 400*	27.0
28.0																40.5	48.8	8 200*	28.0
29.0																33.8	47.4	7 300*	29.0
30.0																25.6	45.4	6 500*	30.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

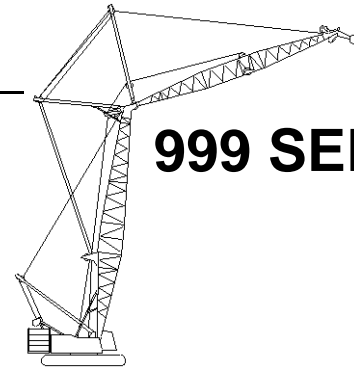
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

39.6m (130 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	75.4	59.5	26 700*b																9.1
10.0	72.6	59.2	24 300*																10.0
11.0	69.2	58.8	21 400*																11.0
12.0	65.8	58.4	17 800*																12.0
13.0	62.2	57.8	15 000*	67.1	58.4	19 200*													13.0
14.0	58.5	57.2	13 100*	63.6	57.9	16 000*													14.0
15.0	54.6	56.5	11 400*	59.9	57.4	13 800*													15.0
16.0	50.5	55.7	10 100*	56.1	56.7	12 100*	63.8	57.7	16 500*										16.0
17.0	46.2	54.7	9 000*	52.1	55.9	10 600*	60.1	57.2	14 000*										17.0
18.0	41.4	53.6	8 000*	47.9	55.0	9 400*	56.3	56.5	12 200*										18.0
19.0	36.2	52.3	7 200*	43.3	54.0	8 400*	52.4	55.7	10 800*	60.3	56.9	14 300*							19.0
20.0	30.1	50.6	6 500*	38.2	52.7	7 600*	48.1	54.8	9 600*	56.5	56.2	12 400*							20.0
21.0	22.4	48.4	5 900*	32.5	51.2	6 800*	43.6	53.8	8 500*	52.6	55.4	10 900*							21.0
22.0				25.6	49.2	6 100*	38.6	52.6	7 600*	48.3	54.5	9 700*							22.0
23.0							32.9	51.1	6 900*	43.8	53.5	8 600*	57.9	55.6	13 100*				23.0
24.0							26.0	49.1	6 200*	38.8	52.3	7 700*	54.0	54.9	11 500*				24.0
25.0										33.2	50.8	7 000*	49.9	54.1	10 100*				25.0
26.0													45.5	53.1	9 100*				26.0
27.0													40.7	51.9	8 100*				27.0
28.0													35.3	50.6	7 300*	51.1	53.2	10 600*	28.0
29.0													29.0	48.8	6 600*	46.7	52.3	9 400*	29.0
30.0													20.9	46.5	5 900*	42.1	51.2	8 400*	30.0
31.0																36.9	49.9	7 500*	31.0
32.0																30.9	48.3	6 800*	32.0
33.0																23.5	46.1	6 200*	33.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

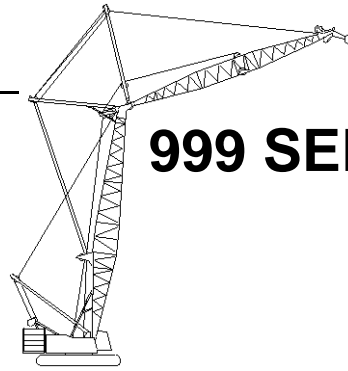
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

39.6m (130 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	73.3	62.2	26 700*																10.7
11.0	72.4	62.1	25 800*																11.0
12.0	69.5	61.7	22 900*																12.0
13.0	66.5	61.3	20 000*	70.6	61.8	24 200*													13.0
14.0	63.5	60.8	17 100*	67.6	61.3	21 100*													14.0
15.0	60.4	60.2	15 000*	64.6	60.9	18 200*													15.0
16.0	57.2	59.5	13 300*	61.6	60.3	15 800*	67.8	61.1	21 500*										16.0
17.0	53.8	58.8	11 900*	58.4	59.7	14 000*	64.8	60.7	18 400*										17.0
18.0	50.3	58.0	10 600*	55.1	59.0	12 400*	61.8	60.1	16 000*										18.0
19.0	46.6	57.0	9 600*	51.7	58.2	11 100*	58.6	59.5	14 100*	65.0	60.3	18 700*							19.0
20.0	42.6	56.0	8 700*	48.0	57.3	10 000*	55.3	58.8	12 600*	61.9	59.8	16 200*							20.0
21.0	38.3	54.7	7 900*	44.2	56.3	9 000*	51.9	58.0	11 300*	58.7	59.2	14 300*							21.0
22.0	33.5	53.2	7 200*	40.0	55.1	8 200*	48.3	57.1	10 100*	55.5	58.5	12 700*							22.0
23.0	27.9	51.4	6 500*	35.4	53.7	7 500*	44.4	56.1	9 200*	52.0	57.7	11 400*							23.0
24.0	20.9	49.0	6 000*	30.2	52.1	6 800*	40.3	54.9	8 300*	48.4	56.8	10 300*							24.0
25.0				23.8	49.9	6 200*	35.7	53.6	7 600*	44.6	55.8	9 300*	56.7	58.0	13 400*				25.0
26.0							30.5	51.9	6 900*	40.5	54.7	8 400*	53.3	57.2	11 900*				26.0
27.0							24.3	49.9	6 300*	35.9	53.3	7 600*	49.8	56.4	10 700*				27.0
28.0										30.8	51.7	7 000*	46.0	55.4	9 700*				28.0
29.0													42.0	54.3	8 800*	54.3	56.3	12 400*	29.0
30.0													37.6	53.0	8 000*	50.8	55.5	11 200*	30.0
31.0													32.7	51.5	7 200*	47.1	54.6	10 100*	31.0
32.0													27.0	49.6	6 600*	43.2	53.5	9 100*	32.0
33.0													19.6	47.1	6 100*	38.9	52.3	8 300*	33.0
34.0																34.2	50.9	7 500*	34.0
35.0																28.7	49.1	6 900*	35.0
36.0																21.9	46.8	6 300*	36.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

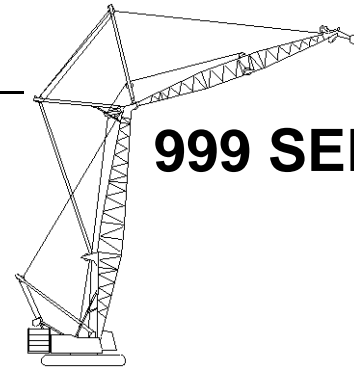
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

39.6m (130 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	75.5	65.4	26 700*																10.7
11.0	74.6	65.3	26 700*																11.0
12.0	72.2	65.0	26 700*																12.0
13.0	69.6	64.6	24 000*																13.0
14.0	67.1	64.2	20 800*	70.6	64.6	25 500*													14.0
15.0	64.5	63.7	18 300*	68.1	64.2	22 100*													15.0
16.0	61.8	63.1	16 200*	65.5	63.8	19 200*													16.0
17.0	59.0	62.5	14 500*	62.8	63.2	17 100*	68.2	64.0	22 300*										17.0
18.0	56.2	61.9	13 100*	60.1	62.7	15 200*	65.6	63.6	19 600*										18.0
19.0	53.2	61.1	11 900*	57.3	62.0	13 700*	63.0	63.0	17 300*										19.0
20.0	50.1	60.3	10 800*	54.3	61.3	12 400*	60.2	62.5	15 500*	65.7	63.2	19 800*							20.0
21.0	46.9	59.3	9 800*	51.3	60.5	11 200*	57.4	61.8	13 900*	63.1	62.7	17 500*							21.0
22.0	43.5	58.3	9 000*	48.2	59.6	10 200*	54.5	61.1	12 600*	60.4	62.2	15 600*							22.0
23.0	39.8	57.1	8 200*	44.8	58.6	9 400*	51.5	60.3	11 400*	57.6	61.5	14 000*							23.0
24.0	35.8	55.7	7 600*	41.3	57.5	8 600*	48.4	59.4	10 400*	54.7	60.8	12 700*							24.0
25.0	31.4	54.1	7 000*	37.4	56.2	7 900*	45.0	58.4	9 500*	51.7	60.0	11 500*	61.4	61.6	16 400*				25.0
26.0	26.2	52.2	6 500*	33.2	54.7	7 200*	41.5	57.3	8 700*	48.5	59.1	10 500*	58.6	61.0	14 700*				26.0
27.0	19.8	49.7	6 000*	28.3	52.9	6 700*	37.6	56.0	8 000*	45.2	58.1	9 600*	55.7	60.3	13 200*				27.0
28.0				22.5	50.6	6 200*	33.4	54.6	7 400*	41.6	57.0	8 800*	52.8	59.5	12 000*				28.0
29.0							28.6	52.8	6 800*	37.8	55.8	8 100*	49.7	58.7	10 900*				29.0
30.0							22.9	50.6	6 300*	33.6	54.3	7 400*	46.4	57.7	10 000*				30.0
31.0										28.9	52.5	6 900*	43.0	56.6	9 200*	53.6	58.6	12 000	31.0
32.0										23.2	50.3	6 300*	39.3	55.4	8 400*	50.5	57.8	11 200	32.0
33.0													35.2	54.0	7 800*	47.3	56.9	10 300	33.0
34.0													30.7	52.4	7 200*	43.9	55.9	9 500*	34.0
35.0													25.4	50.4	6 600*	40.3	54.7	8 700*	35.0
36.0													18.6	47.7	6 100*	36.4	53.4	8 000*	36.0
37.0																32.0	51.8	7 400*	37.0
38.0																27.0	49.9	6 800*	38.0
39.0																20.7	47.5	6 300*	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

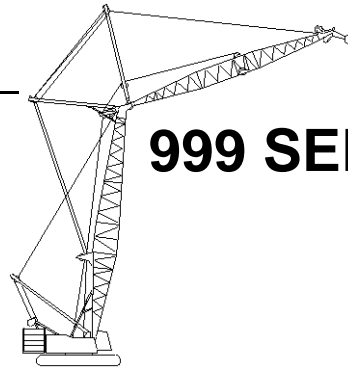
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

39.6m (130 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	73.8	68.1	26 700*																12.2
13.0	72.0	67.8	26 700*																13.0
14.0	69.8	67.5	25 900*	72.9	67.9	26 700*													14.0
15.0	67.5	67.0	23 200*	70.6	67.5	26 600*													15.0
16.0	65.2	66.6	20 700*	68.4	67.1	25 000*													16.0
17.0	62.8	66.1	18 800*	66.1	66.7	21 800*													17.0
18.0	60.4	65.5	17 000*	63.7	66.2	19 600*													18.0
19.0	57.9	64.9	15 400*	61.3	65.6	17 800*	66.2	66.5	22 200*										19.0
20.0	55.4	64.2	14 000*	58.9	65.0	16 100*	63.9	66.0	19 900*										20.0
21.0	52.7	63.4	12 800*	56.4	64.3	14 600*	61.5	65.4	18 000*										21.0
22.0	50.0	62.6	11 800*	53.8	63.6	13 400*	59.0	64.8	16 300*	64.0	65.7	20 200*							22.0
23.0	47.2	61.6	10 800*	51.1	62.8	12 200*	56.5	64.2	14 800*	61.6	65.1	18 200*							23.0
24.0	44.1	60.6	10 000*	48.3	61.9	11 300*	53.9	63.4	13 500*	59.2	64.5	16 500*							24.0
25.0	41.0	59.5	9 200*	45.3	60.9	10 400*	51.2	62.6	12 400*	56.6	63.8	15 000*							25.0
26.0	37.5	58.2	8 600*	42.2	59.8	9 600*	48.4	61.7	11 400*	54.0	63.1	13 700*	62.5	64.5	18 300				26.0
27.0	33.8	56.7	7 900*	38.9	58.6	8 900*	45.5	60.8	10 500*	51.4	62.3	12 600*	60.0	63.9	17 000				27.0
28.0	29.7	55.0	7 400*	35.3	57.2	8 200*	42.4	59.7	9 700*	48.6	61.4	11 500*	57.6	63.3	15 700*				28.0
29.0	24.9	53.0	6 900*	31.3	55.6	7 600*	39.1	58.4	9 000*	45.6	60.5	10 700*	55.0	62.6	14 300*				29.0
30.0	18.9	50.3	6 400*	26.8	53.7	7 100*	35.5	57.1	8 300*	42.5	59.4	9 800*	52.3	61.8	13 100*				30.0
31.0				21.4	51.3	6 600*	31.6	55.5	7 800*	39.2	58.2	9 100*	49.6	61.0	12 000*				31.0
32.0				13.9	47.9	6 200*	27.1	53.6	7 200*	35.7	56.8	8 500*	46.7	60.0	11 100*	55.7	61.7	11 100	32.0
33.0							21.8	51.2	6 700*	31.8	55.2	7 900*	43.7	59.0	10 300*	53.1	60.9	10 400	33.0
34.0										27.3	53.4	7 300*	40.5	57.8	9 500*	50.4	60.1	9 600	34.0
35.0										22.0	51.0	6 800*	37.0	56.5	8 800*	47.5	59.2	9 000	35.0
36.0													33.2	55.0	8 200*	44.5	58.2	8 300	36.0
37.0													29.0	53.3	7 600*	41.4	57.1	7 700	37.0
38.0													24.1	51.1	7 100*	38.0	55.8	7 200	38.0
39.0													17.8	48.3	6 600*	34.3	54.4	6 600	39.0
40.0																30.2	52.7	6 100	40.0
42.0																19.8	48.1	5 100	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

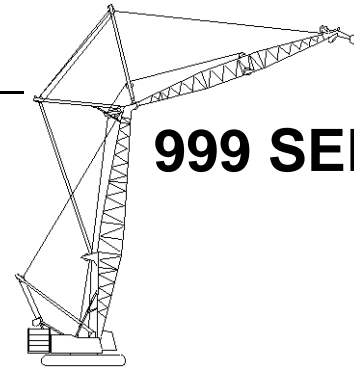
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

39.6m (130 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	75.5	65.4	26 700*																10.7
11.0	74.6	65.3	26 300*																11.0
12.0	72.2	65.0	25 100*																12.0
13.0	69.6	64.6	22 700*																13.0
14.0	67.1	64.2	19 200*	70.6	64.6	23 500*													14.0
15.0	64.5	63.7	16 900*	68.1	64.2	20 400*													15.0
16.0	61.8	63.1	15 000*	65.5	63.8	17 800*													16.0
17.0	59.0	62.5	13 400*	62.8	63.2	15 700*	68.2	64.0	20 600*										17.0
18.0	56.2	61.9	12 100*	60.1	62.7	14 100*	65.6	63.6	18 100*										18.0
19.0	53.2	61.1	10 900*	57.3	62.0	12 600*	63.0	63.0	15 900*										19.0
20.0	50.1	60.3	9 900*	54.3	61.3	11 400*	60.2	62.5	14 300*	65.7	63.2	18 300*							20.0
21.0	46.9	59.3	9 100*	51.3	60.5	10 300*	57.4	61.8	12 800*	63.1	62.7	16 200*							21.0
22.0	43.5	58.3	8 300*	48.2	59.6	9 400*	54.5	61.1	11 600*	60.4	62.2	14 400*							22.0
23.0	39.8	57.1	7 600*	44.8	58.6	8 600*	51.5	60.3	10 500*	57.6	61.5	13 000*							23.0
24.0	35.8	55.7	7 000*	41.3	57.5	7 900*	48.4	59.4	9 600*	54.7	60.8	11 700*							24.0
25.0	31.4	54.1	6 400*	37.4	56.2	7 300*	45.0	58.4	8 700*	51.7	60.0	10 600*	61.4	61.6	15 200*				25.0
26.0	26.2	52.2	5 900*	33.2	54.7	6 700*	41.5	57.3	8 000*	48.5	59.1	9 700*	58.6	61.0	13 600*				26.0
27.0	19.8	49.7	5 500*	28.3	52.9	6 100*	37.6	56.0	7 400*	45.2	58.1	8 800*	55.7	60.3	12 200*				27.0
28.0				22.5	50.6	5 700*	33.4	54.6	6 800*	41.6	57.0	8 100*	52.8	59.5	11 100*				28.0
29.0							28.6	52.8	6 200*	37.8	55.8	7 500*	49.7	58.7	10 100*				29.0
30.0							22.9	50.6	5 700*	33.6	54.3	6 800*	46.4	57.7	9 200*				30.0
31.0										28.9	52.5	6 300*	43.0	56.6	8 400*	53.6	58.6	10 500	31.0
32.0										23.2	50.3	5 800*	39.3	55.4	7 800*	50.5	57.8	9 600	32.0
33.0													35.2	54.0	7 100*	47.3	56.9	8 800	33.0
34.0													30.7	52.4	6 600*	43.9	55.9	8 000	34.0
35.0													25.4	50.4	6 100*	40.3	54.7	7 300	35.0
36.0													18.6	47.7	5 600*	36.4	53.4	6 700	36.0
37.0																32.0	51.8	6 000	37.0
38.0																27.0	49.9	5 400	38.0
39.0																20.7	47.5	4 800	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

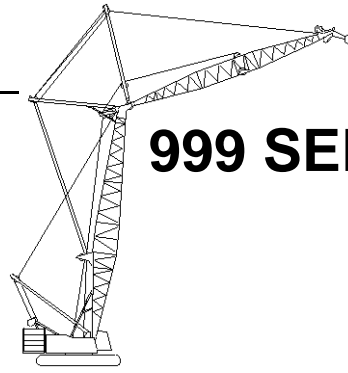
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

39.6m (130 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	73.8	68.1	26 700*																12.2
13.0	72.0	67.8	26 000*																13.0
14.0	69.8	67.5	24 800*	72.9	67.9	26 400*													14.0
15.0	67.5	67.0	21 800*	70.6	67.5	25 200*													15.0
16.0	65.2	66.6	19 200*	68.4	67.1	23 100*													16.0
17.0	62.8	66.1	17 200*	66.1	66.7	20 100*													17.0
18.0	60.4	65.5	15 500*	63.7	66.2	18 000*													18.0
19.0	57.9	64.9	14 100*	61.3	65.6	16 200*	66.2	66.5	20 500*										19.0
20.0	55.4	64.2	12 800*	58.9	65.0	14 700*	63.9	66.0	18 200*										20.0
21.0	52.7	63.4	11 700*	56.4	64.3	13 400*	61.5	65.4	16 400*										21.0
22.0	50.0	62.6	10 700*	53.8	63.6	12 200*	59.0	64.8	14 900*	64.0	65.7	18 500*							22.0
23.0	47.2	61.6	9 900*	51.1	62.8	11 200*	56.5	64.2	13 600*	61.6	65.1	16 600*							23.0
24.0	44.1	60.6	9 100*	48.3	61.9	10 200*	53.9	63.4	12 400*	59.2	64.5	15 000*							24.0
25.0	41.0	59.5	8 400*	45.3	60.9	9 400*	51.2	62.6	11 300*	56.6	63.8	13 700*							25.0
26.0	37.5	58.2	7 700*	42.2	59.8	8 700*	48.4	61.7	10 400*	54.0	63.1	12 500*	62.5	64.5	16 900				26.0
27.0	33.8	56.7	7 200*	38.9	58.6	8 100*	45.5	60.8	9 600*	51.4	62.3	11 500*	60.0	63.9	15 600				27.0
28.0	29.7	55.0	6 700*	35.3	57.2	7 500*	42.4	59.7	8 900*	48.6	61.4	10 500*	57.6	63.3	14 300*				28.0
29.0	24.9	53.0	6 200*	31.3	55.6	6 900*	39.1	58.4	8 200*	45.6	60.5	9 700*	55.0	62.6	13 100*				29.0
30.0	18.9	50.3	5 800*	26.8	53.7	6 400*	35.5	57.1	7 600*	42.5	59.4	9 000*	52.3	61.8	12 000*				30.0
31.0				21.4	51.3	6 000*	31.6	55.5	7 100*	39.2	58.2	8 300*	49.6	61.0	11 000*				31.0
32.0				13.9	47.9	5 600*	27.1	53.6	6 500*	35.7	56.8	7 700*	46.7	60.0	10 200*	55.7	61.7	9 700	32.0
33.0							21.8	51.2	6 100*	31.8	55.2	7 100*	43.7	59.0	9 400*	53.1	60.9	8 900	33.0
34.0										27.3	53.4	6 600*	40.5	57.8	8 600*	50.4	60.1	8 100	34.0
35.0										22.0	51.0	6 200*	37.0	56.5	8 000*	47.5	59.2	7 500	35.0
36.0													33.2	55.0	7 400*	44.5	58.2	6 800	36.0
37.0													29.0	53.3	6 900	41.4	57.1	6 200	37.0
38.0													24.1	51.1	6 300	38.0	55.8	5 600	38.0
39.0													17.8	48.3	5 600	34.3	54.4	5 000	39.0
40.0																30.2	52.7	4 500	40.0
42.0																19.8	48.1	3 500	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

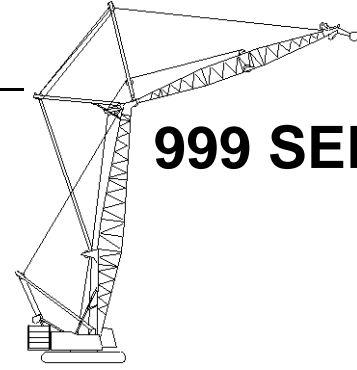
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

39.6m (130 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	75.5	65.4	26 700*																10.7
11.0	74.6	65.3	25 900*																11.0
12.0	72.2	65.0	23 500*																12.0
13.0	69.6	64.6	20 700*																13.0
14.0	67.1	64.2	17 700*	70.6	64.6	21 800*													14.0
15.0	64.5	63.7	15 600*	68.1	64.2	18 900*													15.0
16.0	61.8	63.1	13 900*	65.5	63.8	16 400*													16.0
17.0	59.0	62.5	12 400*	62.8	63.2	14 600*	68.2	64.0	19 100*										17.0
18.0	56.2	61.9	11 200*	60.1	62.7	13 000*	65.6	63.6	16 800*										18.0
19.0	53.2	61.1	10 100*	57.3	62.0	11 700*	63.0	63.0	14 800*										19.0
20.0	50.1	60.3	9 200*	54.3	61.3	10 500*	60.2	62.5	13 200*	65.7	63.2	16 900*							20.0
21.0	46.9	59.3	8 300*	51.3	60.5	9 500*	57.4	61.8	11 800*	63.1	62.7	15 000*							21.0
22.0	43.5	58.3	7 600*	48.2	59.6	8 700*	54.5	61.1	10 700*	60.4	62.2	13 300*							22.0
23.0	39.8	57.1	7 000*	44.8	58.6	7 900*	51.5	60.3	9 700*	57.6	61.5	12 000*							23.0
24.0	35.8	55.7	6 400*	41.3	57.5	7 300*	48.4	59.4	8 800*	54.7	60.8	10 800*							24.0
25.0	31.4	54.1	5 900*	37.4	56.2	6 700*	45.0	58.4	8 100*	51.7	60.0	9 800*	61.4	61.6	14 100*				25.0
26.0	26.2	52.2	5 400*	33.2	54.7	6 100*	41.5	57.3	7 400*	48.5	59.1	8 900*	58.6	61.0	12 500*				26.0
27.0	19.8	49.7	5 000*	28.3	52.9	5 600*	37.6	56.0	6 800*	45.2	58.1	8 200*	55.7	60.3	11 300*				27.0
28.0				22.5	50.6	5 200*	33.4	54.6	6 200*	41.6	57.0	7 500*	52.8	59.5	10 300*				28.0
29.0							28.6	52.8	5 700*	37.8	55.8	6 900*	49.7	58.7	9 300*				29.0
30.0							22.9	50.6	5 300*	33.6	54.3	6 300*	46.4	57.7	8 500*				30.0
31.0										28.9	52.5	5 800*	43.0	56.6	7 800*	53.6	58.6	9 100	31.0
32.0										23.2	50.3	5 300*	39.3	55.4	7 200*	50.5	57.8	8 200	32.0
33.0													35.2	54.0	6 600*	47.3	56.9	7 300	33.0
34.0													30.7	52.4	6 100*	43.9	55.9	6 600	34.0
35.0													25.4	50.4	5 600*	40.3	54.7	5 800	35.0
36.0													18.6	47.7	5 200*	36.4	53.4	5 100	36.0
37.0																32.0	51.8	4 500	37.0
38.0																27.0	49.9	3 800	38.0
39.0																20.7	47.5	3 200	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

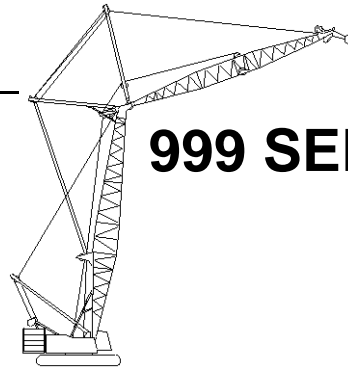
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

39.6m (130 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	73.8	68.1	26 700*																12.2
13.0	72.0	67.8	24 900*																13.0
14.0	69.8	67.5	22 600*	72.9	67.9	26 000*													14.0
15.0	67.5	67.0	20 000*	70.6	67.5	23 500*													15.0
16.0	65.2	66.6	17 600*	68.4	67.1	21 000*													16.0
17.0	62.8	66.1	15 800*	66.1	66.7	18 500*													17.0
18.0	60.4	65.5	14 300*	63.7	66.2	16 500*													18.0
19.0	57.9	64.9	12 900*	61.3	65.6	14 900*	66.2	66.5	18 900*										19.0
20.0	55.4	64.2	11 800*	58.9	65.0	13 500*	63.9	66.0	16 800*										20.0
21.0	52.7	63.4	10 700*	56.4	64.3	12 300*	61.5	65.4	15 100*										21.0
22.0	50.0	62.6	9 800*	53.8	63.6	11 200*	59.0	64.8	13 700*	64.0	65.7	17 000*							22.0
23.0	47.2	61.6	9 100*	51.1	62.8	10 300*	56.5	64.2	12 400*	61.6	65.1	15 300*							23.0
24.0	44.1	60.6	8 300*	48.3	61.9	9 400*	53.9	63.4	11 300*	59.2	64.5	13 800*							24.0
25.0	41.0	59.5	7 700*	45.3	60.9	8 700*	51.2	62.6	10 400*	56.6	63.8	12 600*							25.0
26.0	37.5	58.2	7 100*	42.2	59.8	8 000*	48.4	61.7	9 600*	54.0	63.1	11 500*	62.5	64.5	15 500				26.0
27.0	33.8	56.7	6 500*	38.9	58.6	7 400*	45.5	60.8	8 800*	51.4	62.3	10 500*	60.0	63.9	14 200				27.0
28.0	29.7	55.0	6 100*	35.3	57.2	6 800*	42.4	59.7	8 100*	48.6	61.4	9 700*	57.6	63.3	13 000				28.0
29.0	24.9	53.0	5 600*	31.3	55.6	6 300*	39.1	58.4	7 500*	45.6	60.5	8 900*	55.0	62.6	11 900				29.0
30.0	18.9	50.3	5 300*	26.8	53.7	5 900*	35.5	57.1	7 000*	42.5	59.4	8 200*	52.3	61.8	10 900				30.0
31.0				21.4	51.3	5 500*	31.6	55.5	6 500*	39.2	58.2	7 600*	49.6	61.0	9 900				31.0
32.0				13.9	47.9	5 100*	27.1	53.6	6 000*	35.7	56.8	7 000*	46.7	60.0	9 000	55.7	61.7	8 300	32.0
33.0							21.8	51.2	5 600*	31.8	55.2	6 500*	43.7	59.0	8 200	53.1	60.9	7 500	33.0
34.0										27.3	53.4	6 100*	40.5	57.8	7 400	50.4	60.1	6 800	34.0
35.0										22.0	51.0	5 600*	37.0	56.5	6 700	47.5	59.2	6 100	35.0
36.0													33.2	55.0	6 000	44.5	58.2	5 400	36.0
37.0													29.0	53.3	5 300	41.4	57.1	4 800	37.0
38.0													24.1	51.1	4 600	38.0	55.8	4 100	38.0
39.0													17.8	48.3	4 000	34.3	54.4	3 600	39.0
40.0																30.2	52.7	3 000	40.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

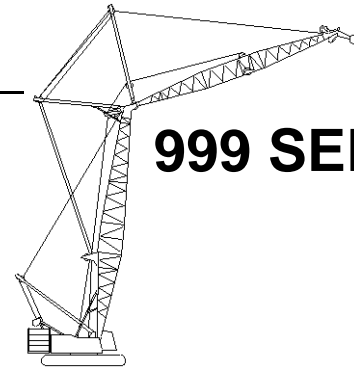
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

39.6m (130 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	75.5	71.3	26 700*																12.2
13.0	73.9	71.1	26 300*																13.0
14.0	71.9	70.7	25 400*																14.0
15.0	69.9	70.3	23 000*																15.0
16.0	67.8	69.9	20 600*	70.7	70.4	23 700*													16.0
17.0	65.8	69.5	18 500*	68.6	70.0	21 400*													17.0
18.0	63.7	69.0	16 800*	66.6	69.6	19 400*													18.0
19.0	61.5	68.4	15 200*	64.5	69.1	17 500*	68.7	69.8	21 700*										19.0
20.0	59.3	67.8	13 900*	62.3	68.6	15 900*	66.7	69.4	19 600*										20.0
21.0	57.1	67.2	12 700*	60.2	68.0	14 500*	64.6	68.9	17 700*										21.0
22.0	54.8	66.5	11 700*	57.9	67.3	13 200*	62.5	68.4	16 100*										22.0
23.0	52.4	65.7	10 800*	55.6	66.7	12 100*	60.3	67.8	14 700*	64.7	68.6	17 900*							23.0
24.0	49.9	64.9	9 900*	53.3	65.9	11 200*	58.1	67.2	13 400*	62.6	68.0	16 300*							24.0
25.0	47.3	63.9	9 200*	50.9	65.1	10 300*	55.8	66.5	12 400*	60.4	67.5	14 800*							25.0
26.0	44.7	62.9	8 500*	48.3	64.2	9 500*	53.4	65.7	11 400*	58.2	66.8	13 600*							26.0
27.0	41.8	61.8	7 900*	45.7	63.2	8 800*	51.0	64.9	10 500*	55.9	66.2	12 500*							27.0
28.0	38.9	60.6	7 300*	42.9	62.2	8 200*	48.5	64.0	9 700*	53.5	65.4	11 500*	61.2	66.9	13 200				28.0
29.0	35.6	59.2	6 800*	40.0	61.0	7 600*	45.9	63.1	9 000*	51.1	64.6	10 700*	59.0	66.3	12 100				29.0
30.0	32.2	57.7	6 300*	36.9	59.7	7 100*	43.1	62.0	8 300*	48.6	63.7	9 900*	56.7	65.6	11 100				30.0
31.0	28.3	55.9	5 900*	33.5	58.2	6 600*	40.2	60.8	7 800*	46.0	62.8	9 100*	54.4	64.9	10 200				31.0
32.0	23.8	53.7	5 500*	29.8	56.5	6 200*	37.1	59.5	7 200*	43.2	61.7	8 500*	52.0	64.1	9 300				32.0
33.0	18.2	50.9	5 200*	25.6	54.5	5 700*	33.7	58.1	6 700*	40.3	60.5	7 900*	49.5	63.3	8 500				33.0
34.0				20.5	52.0	5 400*	30.0	56.4	6 300*	37.2	59.2	7 400*	46.9	62.3	7 700	55.1	64.0	7 000	34.0
35.0				13.5	48.4	5 000*	25.8	54.4	5 900*	33.9	57.8	6 800*	44.2	61.3	7 000	52.7	63.2	6 200	35.0
36.0							20.8	51.9	5 500*	30.2	56.1	6 400*	41.4	60.2	6 300	50.2	62.4	5 600	36.0
37.0										26.0	54.1	5 900	38.4	58.9	5 600	47.7	61.5	5 000	37.0
38.0										21.1	51.7	5 600	35.1	57.5	5 000	45.0	60.5	4 400	38.0
39.0													31.6	55.9	4 400	42.2	59.4	3 800	39.0
40.0													27.6	54.1	3 900	39.2	58.2	3 300	40.0
42.0													17.2	48.9	2 800	32.6	55.3	2 300	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

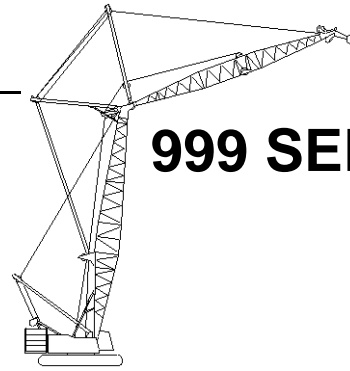
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

39.6m (130 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
13.7	74.1	74.0	25 200*													13.7
14.0	73.6	73.9	24 500*													14.0
15.0	71.8	73.6	22 100*													15.0
16.0	70.0	73.2	20 000*	72.5	73.6	23 000*										16.0
17.0	68.1	72.8	18 200*	70.7	73.3	20 700*										17.0
18.0	66.2	72.4	16 600*	68.8	72.9	18 900*										18.0
19.0	64.3	71.9	15 300*	67.0	72.5	17 200*										19.0
20.0	62.4	71.4	14 100*	65.1	72.0	15 800*	68.9	72.7	19 000*							20.0
21.0	60.4	70.8	13 000*	63.1	71.5	14 500*	67.1	72.2	17 400*							21.0
22.0	58.4	70.2	12 000*	61.2	70.9	13 400*	65.2	71.8	15 900*							22.0
23.0	56.4	69.5	11 100*	59.2	70.3	12 400*	63.3	71.3	14 700*	67.2	71.9	17 400*				23.0
24.0	54.2	68.8	10 200*	57.1	69.7	11 500*	61.3	70.7	13 500*	65.3	71.5	16 000*				24.0
25.0	52.1	68.0	9 300*	55.0	69.0	10 600*	59.3	70.1	12 500*	63.4	71.0	14 700*				25.0
26.0	49.8	67.2	8 600*	52.9	68.2	9 800*	57.3	69.5	11 600*	61.4	70.4	13 600*				26.0
27.0	47.5	66.3	7 900*	50.7	67.4	9 000*	55.2	68.8	10 800*	59.4	69.8	12 600*				27.0
28.0	45.1	65.3	7 300*	48.4	66.5	8 300*	53.0	68.0	10 000*	57.4	69.2	11 600*				28.0
29.0	42.6	64.2	6 700*	46.0	65.6	7 600*	50.8	67.2	9 100*	55.3	68.5	10 800*	62.1	69.8	12 200	29.0
30.0	39.9	63.0	6 200*	43.5	64.5	7 100*	48.5	66.3	8 400*	53.1	67.7	10 100*	60.1	69.2	11 200	30.0
31.0	37.1	61.7	5 700*	40.9	63.4	6 500*	46.2	65.4	7 800*	50.9	66.9	9 300*	58.1	68.6	10 200	31.0
32.0	34.0	60.2	5 300*	38.2	62.1	6 000*	43.7	64.3	7 200*	48.6	66.0	8 600*	56.0	67.9	9 400	32.0
33.0	30.7	58.6	4 900*	35.2	60.7	5 600*	41.1	63.2	6 700*	46.3	65.1	7 900*	53.9	67.2	8 600	33.0
34.0	27.0	56.7	4 500*	32.0	59.1	5 200*	38.3	61.9	6 200*	43.8	64.0	7 300*	51.7	66.4	7 800	34.0
35.0	22.8	54.4	4 200*	28.5	57.3	4 800*	35.4	60.6	5 700*	41.2	62.9	6 800*	49.5	65.6	7 100	35.0
36.0	17.5	51.5	3 900*	24.5	55.2	4 400*	32.2	59.0	5 300*	38.5	61.7	6 300*	47.1	64.6	6 400	36.0
37.0				19.7	52.6	4 100*	28.7	57.2	4 900*	35.5	60.3	5 800*	44.7	63.6	5 800	37.0
38.0				13.2	49.0	3 800*	24.8	55.1	4 500*	32.4	58.7	5 400*	42.2	62.5	5 200	38.0
39.0							20.0	52.6	4 200*	28.9	57.0	5 000*	39.5	61.3	4 600	39.0
40.0										25.0	54.9	4 600	36.6	60.0	4 100	40.0
42.0													30.2	56.8	3 100	42.0
44.0													22.1	52.5	2 100	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

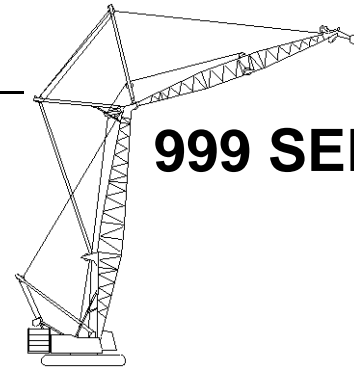
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

39.6m (130 Ft.) Boom, 70.1m (230 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
13.7	75.5	77.2	26 700*													13.7
14.0	75.0	77.1	26 100*													14.0
15.0	73.4	76.8	23 900*													15.0
16.0	71.7	76.5	21 900*													16.0
17.0	70.0	76.1	20 000*	72.4	76.5	22 700*										17.0
18.0	68.4	75.7	18 400*	70.7	76.2	20 700*										18.0
19.0	66.6	75.3	17 000*	69.0	75.8	19 000*										19.0
20.0	64.9	74.8	15 700*	67.3	75.3	17 500*										20.0
21.0	63.1	74.3	14 600*	65.6	74.9	16 200*										21.0
22.0	61.3	73.7	13 600*	63.8	74.4	15 000*	67.4	75.1	17 700*							22.0
23.0	59.5	73.2	12 700*	62.0	73.9	14 000*	65.7	74.7	16 300*							23.0
24.0	57.7	72.5	11 800*	60.2	73.3	13 000*	63.9	74.2	15 100*							24.0
25.0	55.8	71.8	11 000*	58.4	72.7	12 100*	62.1	73.7	14 000*	65.8	74.4	16 400*				25.0
26.0	53.8	71.1	10 300*	56.5	72.0	11 400*	60.3	73.1	13 100*	64.0	73.9	15 200*				26.0
27.0	51.8	70.3	9 500*	54.6	71.3	10 600*	58.5	72.5	12 200*	62.2	73.3	14 100*				27.0
28.0	49.8	69.5	8 800*	52.6	70.5	9 900*	56.6	71.8	11 400*	60.4	72.8	13 100*				28.0
29.0	47.6	68.6	8 200*	50.5	69.7	9 200*	54.7	71.1	10 700*	58.6	72.2	12 300*				29.0
30.0	45.4	67.6	7 600*	48.4	68.8	8 600*	52.7	70.3	10 000*	56.7	71.5	11 500*				30.0
31.0	43.1	66.5	7 100*	46.3	67.9	7 900*	50.7	69.5	9 400*	54.8	70.8	10 700*	61.1	72.2	10 400	31.0
32.0	40.7	65.4	6 600*	44.0	66.8	7 400*	48.6	68.6	8 700*	52.8	70.0	10 100*	59.2	71.6	9 600	32.0
33.0	38.2	64.1	6 100*	41.7	65.7	6 900*	46.4	67.7	8 100*	50.8	69.2	9 500*	57.4	70.9	8 800	33.0
34.0	35.5	62.7	5 700*	39.2	64.5	6 400*	44.2	66.7	7 500*	48.7	68.3	8 900	55.5	70.2	8 000	34.0
35.0	32.6	61.2	5 300*	36.6	63.2	6 000*	41.8	65.5	7 000*	46.5	67.4	8 200	53.5	69.5	7 300	35.0
36.0	29.5	59.4	4 900*	33.8	61.7	5 500*	39.3	64.3	6 500*	44.3	66.4	7 500	51.5	68.7	6 600	36.0
37.0	26.0	57.5	4 600*	30.7	60.0	5 100*	36.7	63.0	6 100*	41.9	65.3	6 800	49.4	67.9	6 000	37.0
38.0	22.0	55.1	4 300*	27.4	58.2	4 800*	33.9	61.5	5 700*	39.5	64.1	6 200	47.3	66.9	5 400	38.0
39.0	17.0	52.1	3 500*	23.6	56.0	4 500*	30.9	59.9	5 300*	36.8	62.7	5 600	45.1	65.9	4 800	39.0
40.0				19.1	53.3	4 000*	27.6	58.0	4 900*	34.1	61.3	5 000	42.8	64.9	4 300	40.0
42.0							19.4	53.2	4 300	27.8	57.8	4 000	37.8	62.4	3 300	42.0
44.0										19.6	53.0	3 100	32.2	59.5	2 400	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

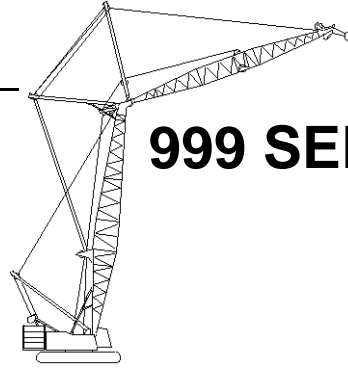
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

39.6m (130 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
15.2	74.3	79.9	22 400*										15.2
16.0	73.2	79.7	21 000*										16.0
17.0	71.7	79.4	19 200*										17.0
18.0	70.1	79.0	17 600*										18.0
19.0	68.5	78.6	16 200*	70.7	79.0	18 300*							19.0
20.0	67.0	78.2	15 000*	69.1	78.7	16 800*							20.0
21.0	65.4	77.7	13 900*	67.6	78.2	15 500*							21.0
22.0	63.8	77.2	12 900*	66.0	77.8	14 300*	69.2	78.4	16 900*				22.0
23.0	62.1	76.7	11 900*	64.4	77.3	13 200*	67.7	78.0	15 600*				23.0
24.0	60.4	76.1	11 100*	62.7	76.8	12 300*	66.1	77.6	14 400*				24.0
25.0	58.7	75.5	10 300*	61.1	76.2	11 400*	64.5	77.1	13 300*				25.0
26.0	57.0	74.8	9 600*	59.4	75.6	10 600*	62.8	76.6	12 400*	66.2	77.3	14 500*	26.0
27.0	55.3	74.2	9 000*	57.7	75.0	9 900*	61.2	76.0	11 500*	64.5	76.8	13 400*	27.0
28.0	53.4	73.4	8 400*	55.9	74.3	9 200*	59.5	75.4	10 700*	62.9	76.3	12 400*	28.0
29.0	51.6	72.6	7 800*	54.1	73.6	8 600*	57.8	74.8	10 000*	61.3	75.7	11 600*	29.0
30.0	49.7	71.8	7 300*	52.3	72.8	8 100*	56.0	74.1	9 300*	59.6	75.1	10 800*	30.0
31.0	47.7	70.9	6 800*	50.4	72.0	7 500*	54.2	73.4	8 700*	57.9	74.5	10 100*	31.0
32.0	45.7	69.9	6 400*	48.5	71.1	7 000*	52.4	72.6	8 100*	56.1	73.8	9 400*	32.0
33.0	43.6	68.8	6 000*	46.5	70.2	6 600*	50.5	71.8	7 600*	54.3	73.1	8 800*	33.0
34.0	41.4	67.7	5 600*	44.4	69.2	6 200*	48.6	70.9	7 100*	52.5	72.3	8 200*	34.0
35.0	39.1	66.5	5 200*	42.3	68.1	5 800*	46.6	70.0	6 600*	50.6	71.5	7 600*	35.0
36.0	36.7	65.2	4 800*	40.0	66.9	5 400*	44.5	69.0	6 200*	48.7	70.6	7 200*	36.0
37.0	34.2	63.7	4 400*	37.7	65.6	5 000*	42.4	67.9	5 800*	46.7	69.7	6 700*	37.0
38.0	31.4	62.1	4 100*	35.2	64.2	4 600*	40.2	66.7	5 400*	44.6	68.7	6 300*	38.0
39.0	28.4	60.3	3 700*	32.5	62.6	4 300*	37.8	65.4	5 100*	42.5	67.6	5 700*	39.0
40.0	25.1	58.2	3 400*	29.6	60.9	4 000*	35.3	64.0	4 700*	40.3	66.4	5 200*	40.0
42.0				22.8	56.7	3 300*	29.8	60.8	4 100*	35.4	63.8	4 200*	42.0
44.0							23.0	56.6	3 500*	29.9	60.5	3 200*	44.0
46.0										23.2	56.4	2 400*	46.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

42.7m (140 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

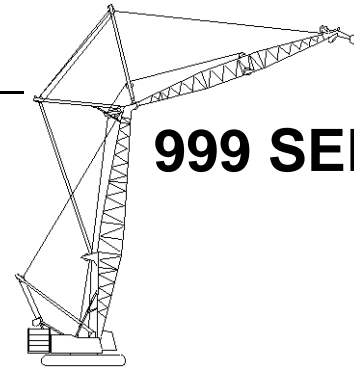
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	50.8	54.1	14 500*																12.2
13.0	45.4	53.2	12 900*																13.0
14.0	37.7	52.0	11 100*	48.7	53.6	13 900*													14.0
15.0	28.2	50.2	9 700*	41.6	52.5	12 000*													15.0
16.0				33.2	51.1	10 400*	50.1	53.6	14 600*b										16.0
17.0							43.3	52.6	12 400*	57.5	54.2	18 100*b							17.0
18.0							35.2	51.2	10 800*	51.4	53.4	15 200*							18.0
19.0										44.7	52.4	12 800*							19.0
20.0										37.0	51.1	11 200*							20.0
21.0										27.2	49.3	9 800*							21.0
22.0													49.0	52.2	14 500*				22.0
23.0													42.0	51.1	12 300*				23.0
24.0													33.6	49.7	10 700*				24.0
25.0																52.4	51.5	16 100*	25.0
26.0																45.8	50.6	13 500*	26.0
27.0																38.3	49.3	11 600*	27.0

42.7m (140 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	59.9	55.2	15 800*																10.7
11.0	58.0	55.0	15 000*																11.0
12.0	52.0	54.2	12 500*																12.0
13.0	45.4	53.2	10 500*	55.0	54.5	13 800*													13.0
14.0	37.7	52.0	9 100*	48.7	53.6	11 500*	62.0	55.1	17 600*b										14.0
15.0	28.2	50.2	8 000*	41.6	52.5	9 800*	56.3	54.4	14 400*										15.0
16.0				33.2	51.1	8 500*	50.1	53.6	11 900*										16.0
17.0							43.3	52.6	10 300*	57.5	54.2	15 100*							17.0
18.0							35.2	51.2	8 900*	51.4	53.4	12 600*							18.0
19.0										44.7	52.4	10 600*							19.0
20.0										37.0	51.1	9 200*	61.0	53.8	17 300*b				20.0
21.0										27.2	49.3	8 000*	55.3	53.1	14 300*				21.0
22.0													49.0	52.2	11 900*				22.0
23.0													42.0	51.1	10 200*				23.0
24.0													33.6	49.7	8 800*				24.0
25.0																52.4	51.5	13 400*	25.0
26.0																45.8	50.6	11 200*	26.0
27.0																38.3	49.3	9 600*	27.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

42.7m (140 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

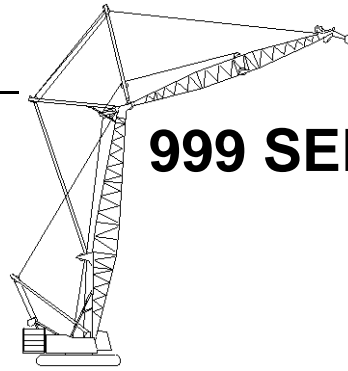
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	59.9	55.2	14 000*																10.7
11.0	58.0	55.0	13 200*																11.0
12.0	52.0	54.2	11 000*																12.0
13.0	45.4	53.2	9 200*	55.0	54.5	12 200*													13.0
14.0	37.7	52.0	8 000*	48.7	53.6	10 100*	62.0	55.1	15 600*b										14.0
15.0	28.2	50.2	6 900*	41.6	52.5	8 600*	56.3	54.4	12 700*										15.0
16.0				33.2	51.1	7 400*	50.1	53.6	10 500*	63.1	54.9	16 700*b							16.0
17.0							43.3	52.6	8 900*	57.5	54.2	13 200*							17.0
18.0							35.2	51.2	7 700*	51.4	53.4	10 900*							18.0
19.0										44.7	52.4	9 300*							19.0
20.0										37.0	51.1	8 000*	61.0	53.8	15 300*				20.0
21.0										27.2	49.3	6 900*	55.3	53.1	12 600*				21.0
22.0													49.0	52.2	10 400*				22.0
23.0													42.0	51.1	8 900*				23.0
24.0													33.6	49.7	7 600*				24.0
25.0																52.4	51.5	11 700*	25.0
26.0																45.8	50.6	9 700*	26.0
27.0																38.3	49.3	8 300*	27.0

42.7m (140 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	66.6	58.7	20 300*																10.7
11.0	65.1	58.6	19 200*																11.0
12.0	60.8	58.0	16 000*																12.0
13.0	56.2	57.3	13 500*																13.0
14.0	51.4	56.5	11 700*	62.9	58.2	17 700*													14.0
15.0	46.1	55.6	10 200*	58.5	57.6	14 600*	68.1	58.5	22 600*b										15.0
16.0	40.3	54.4	9 000*	53.8	56.8	12 500*	63.9	58.0	18 500*										16.0
17.0	33.7	53.0	8 000*	48.7	55.9	10 900*	59.5	57.5	15 300*										17.0
18.0	25.3	51.0	7 100*	43.3	54.9	9 600*	54.8	56.7	13 100*	64.8	57.8	19 400*							18.0
19.0				37.1	53.6	8 500*	49.9	55.9	11 300*	60.4	57.2	16 200*							19.0
20.0				29.7	51.9	7 500*	44.5	54.9	9 900*	55.8	56.5	13 600*							20.0
21.0							38.5	53.7	8 800*	50.9	55.7	11 800*							21.0
22.0							31.5	52.1	7 800*	45.7	54.8	10 300*							22.0
23.0										39.8	53.6	9 000*	58.7	56.1	15 400*				23.0
24.0										33.0	52.1	8 000*	54.0	55.4	13 000*				24.0
25.0										24.5	50.1	7 100*	49.0	54.5	11 300*				25.0
26.0													43.5	53.5	9 900*	56.5	54.6	14 300*	26.0
27.0													37.4	52.2	8 700*	51.7	53.8	12 400*	27.0
28.0													30.1	50.5	7 800*	46.5	52.9	10 700*	28.0
29.0																40.7	51.7	9 400*	29.0
30.0																34.1	50.3	8 300*	30.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

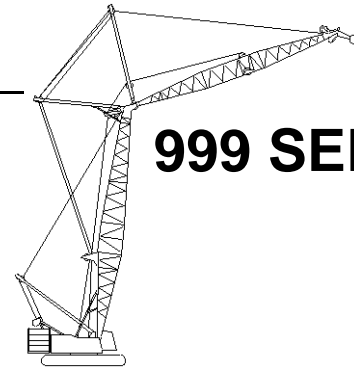
42.7m (140 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	68.2	56.1	18 300*b																9.1
10.0	63.6	55.6	15 400*																10.0
11.0	58.0	55.0	12 200*	66.2	55.8	17 100*													11.0
12.0	52.0	54.2	10 200*	60.8	55.2	13 700*													12.0
13.0	45.4	53.2	8 700*	55.0	54.5	11 100*													13.0
14.0	37.7	52.0	7 500*	48.7	53.6	9 400*	62.0	55.1	14 400*										14.0
15.0	28.2	50.2	6 600*	41.6	52.5	8 100*	56.3	54.4	11 800*										15.0
16.0				33.2	51.1	7 000*	50.1	53.6	9 800*	63.1	54.9	15 400*							16.0
17.0							43.3	52.6	8 400*	57.5	54.2	12 200*							17.0
18.0							35.2	51.2	7 300*	51.4	53.4	10 200*							18.0
19.0										44.7	52.4	8 700*							19.0
20.0										37.0	51.1	7 500*	61.0	53.8	14 100*				20.0
21.0										27.2	49.3	6 600*	55.3	53.1	11 700*				21.0
22.0													49.0	52.2	9 700*				22.0
23.0													42.0	51.1	8 300*				23.0
24.0													33.6	49.7	7 200*				24.0
25.0																52.4	51.5	10 800*	25.0
26.0																45.8	50.6	9 100*	26.0
27.0																38.3	49.3	7 800*	27.0

REFERENCE ONLY!



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

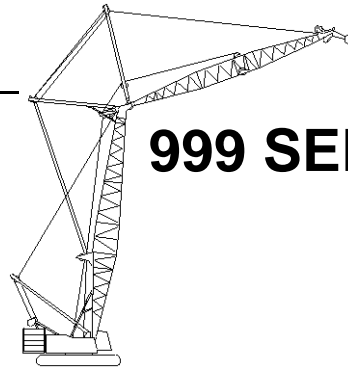
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

42.7m (140 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	72.8	59.4	25 700* ^b																9.1
10.0	69.3	59.0	21 500*																10.0
11.0	65.1	58.6	16 900*	71.3	59.1	24 000*													11.0
12.0	60.8	58.0	14 100*	67.2	58.7	19 000*													12.0
13.0	56.2	57.3	12 000*	62.9	58.2	15 400*													13.0
14.0	51.4	56.5	10 400*	58.5	57.6	13 100*	68.1	58.5	20 100*										14.0
15.0	46.1	55.6	9 100*	53.8	56.8	11 200*	63.9	58.0	16 500*										15.0
16.0	40.3	54.4	8 000*	48.7	55.9	9 700*	59.5	57.5	13 600*										16.0
17.0	33.7	53.0	7 100*	43.3	54.9	8 600*	54.8	56.7	11 700*	64.8	57.8	17 200*							17.0
18.0	25.3	51.0	6 300*	37.1	53.6	7 600*	49.9	55.9	10 100*	60.4	57.2	14 400*							18.0
19.0				29.7	51.9	6 700*	44.5	54.9	8 800*	55.8	56.5	12 100*							19.0
20.0							38.5	53.7	7 800*	50.9	55.7	10 500*							20.0
21.0							31.5	52.1	6 900*	45.7	54.8	9 100*							21.0
22.0										39.8	53.6	8 000*	58.7	56.1	13 700*				22.0
23.0										33.0	52.1	7 100*	54.0	55.4	11 500*				23.0
24.0										24.5	50.1	6 300*	49.0	54.5	10 000*				24.0
25.0													43.5	53.5	8 800*				25.0
26.0													37.4	52.2	7 800*	56.5	54.6	12 600*	26.0
27.0													30.1	50.5	6 900*	51.7	53.8	11 000*	27.0
28.0																46.5	52.9	9 500*	28.0
29.0																40.7	51.7	8 300*	29.0
30.0																34.1	50.3	7 400*	30.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

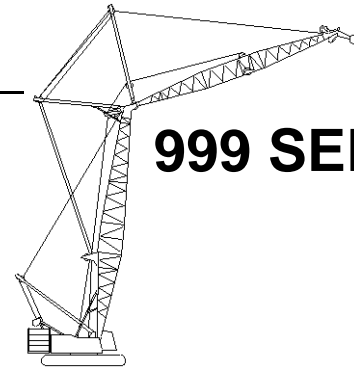
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

42.7m (140 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	75.8	62.6	26 700*b																9.1
10.0	73.0	62.3	24 600*																10.0
11.0	69.6	61.9	22 000*																11.0
12.0	66.1	61.5	18 300*																12.0
13.0	62.6	60.9	15 300*	67.8	61.6	20 100*													13.0
14.0	58.9	60.3	13 300*	64.3	61.1	16 600*													14.0
15.0	55.0	59.6	11 600*	60.7	60.5	14 300*													15.0
16.0	51.0	58.8	10 300*	56.9	59.9	12 400*	65.1	61.0	17 600*										16.0
17.0	46.6	57.9	9 100*	53.0	59.1	11 000*	61.5	60.4	14 900*										17.0
18.0	42.0	56.8	8 100*	48.8	58.2	9 700*	57.8	59.8	12 900*										18.0
19.0	36.8	55.5	7 300*	44.3	57.2	8 600*	53.9	59.0	11 300*	62.3	60.2	15 600*							19.0
20.0	30.8	53.8	6 600*	39.4	56.0	7 700*	49.7	58.2	10 000*	58.5	59.6	13 300*							20.0
21.0	23.3	51.7	6 000*	33.8	54.6	7 000*	45.3	57.2	8 900*	54.7	58.8	11 700*							21.0
22.0				27.2	52.7	6 300*	40.5	56.1	8 000*	50.6	58.0	10 300*							22.0
23.0							35.1	54.7	7 200*	46.2	57.1	9 200*	60.9	59.1	14 700*				23.0
24.0							28.8	52.9	6 500*	41.5	55.9	8 200*	57.1	58.4	12 900*				24.0
25.0										36.3	54.6	7 400*	53.2	57.7	11 200*				25.0
26.0										30.2	53.0	6 600*	49.0	56.8	10 000*				26.0
27.0										22.5	50.7	6 000*	44.5	55.8	8 900*				27.0
28.0													39.6	54.6	8 000*	55.3	56.9	12 200*	28.0
29.0													34.1	53.2	7 200*	51.2	56.1	10 700*	29.0
30.0													27.5	51.3	6 500*	46.9	55.2	9 500*	30.0
31.0																42.3	54.1	8 500*	31.0
32.0																37.1	52.8	7 600*	32.0
33.0																31.2	51.2	6 900*	33.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

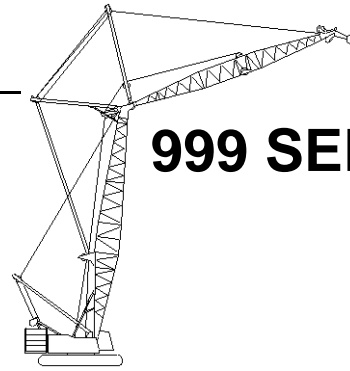
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

42.7m (140 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	73.6	65.3	26 700*																10.7
11.0	72.7	65.2	25 900*																11.0
12.0	69.8	64.8	23 300*																12.0
13.0	66.8	64.4	20 500*	71.2	64.9	24 600*													13.0
14.0	63.8	63.9	17 400*	68.3	64.5	22 000*													14.0
15.0	60.7	63.3	15 300*	65.3	64.0	18 900*													15.0
16.0	57.5	62.7	13 500*	62.2	63.5	16 300*													16.0
17.0	54.2	61.9	12 000*	59.1	62.9	14 400*	66.0	63.9	19 500*										17.0
18.0	50.7	61.1	10 700*	55.8	62.2	12 800*	62.9	63.4	17 000*										18.0
19.0	47.0	60.2	9 700*	52.4	61.4	11 400*	59.8	62.8	14 900*										19.0
20.0	43.1	59.1	8 800*	48.8	60.5	10 300*	56.5	62.1	13 200*	63.5	63.1	17 600*							20.0
21.0	38.8	57.9	8 000*	45.0	59.6	9 300*	53.2	61.3	11 800*	60.4	62.5	15 400*							21.0
22.0	34.0	56.4	7 200*	40.9	58.4	8 400*	49.6	60.5	10 600*	57.2	61.9	13 600*							22.0
23.0	28.6	54.7	6 600*	36.4	57.1	7 600*	45.9	59.5	9 500*	53.9	61.1	12 100*							23.0
24.0	21.8	52.4	6 100*	31.3	55.5	6 900*	41.8	58.4	8 600*	50.4	60.3	10 900*							24.0
25.0				25.3	53.5	6 300*	37.5	57.1	7 900*	46.7	59.4	9 800*	59.2	61.4	14 900*				25.0
26.0							32.5	55.6	7 100*	42.7	58.3	8 900*	56.0	60.7	13 100*				26.0
27.0							26.8	53.7	6 500*	38.4	57.1	8 100*	52.6	60.0	11 700*				27.0
28.0										33.6	55.6	7 300*	49.0	59.1	10 500*				28.0
29.0										28.0	53.8	6 700*	45.2	58.1	9 500*	57.7	59.9	13 200	29.0
30.0										21.1	51.4	6 100*	41.1	57.0	8 600*	54.4	59.2	12 300	30.0
31.0													36.6	55.7	7 900*	50.9	58.4	11 300	31.0
32.0													31.6	54.1	7 200*	47.2	57.5	10 200	32.0
33.0													25.6	52.1	6 500*	43.3	56.4	9 200*	33.0
34.0																39.1	55.2	8 300*	34.0
35.0																34.4	53.8	7 600*	35.0
36.0																29.0	52.1	6 900*	36.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

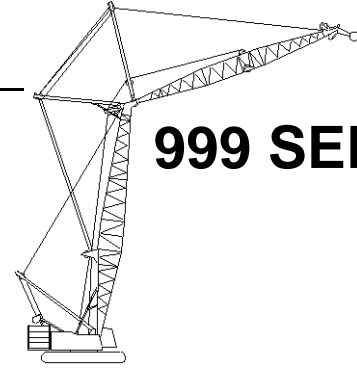
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

42.7m (140 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	Jib Ang. Deg.	Intermediate Fall Elev. m	Capacity Kilograms	
	10.7	75.7	68.5	26 700*															
11.0	74.9	68.4	26 700*																11.0
12.0	72.4	68.0	26 700*																12.0
13.0	69.9	67.7	24 200*																13.0
14.0	67.3	67.3	21 200*	71.1	67.8	25 800*													14.0
15.0	64.7	66.8	18 600*	68.6	67.4	22 700*													15.0
16.0	62.1	66.2	16 500*	66.0	66.9	19 900*													16.0
17.0	59.3	65.6	14 800*	63.4	66.4	17 500*	69.2	67.2	23 700*										17.0
18.0	56.5	65.0	13 300*	60.7	65.8	15 600*	66.6	66.8	20 700*										18.0
19.0	53.5	64.2	12 000*	57.9	65.2	14 000*	64.0	66.3	18 100*										19.0
20.0	50.5	63.4	10 900*	55.0	64.5	12 700*	61.3	65.7	16 200*	67.1	66.5	21 300*							20.0
21.0	47.3	62.5	9 900*	52.0	63.7	11 500*	58.5	65.1	14 500*	64.5	66.0	18 800*							21.0
22.0	43.9	61.5	9 100*	48.8	62.8	10 400*	55.6	64.4	13 000*	61.8	65.5	16 600*							22.0
23.0	40.2	60.3	8 300*	45.5	61.9	9 500*	52.6	63.7	11 800*	59.1	64.9	14 900*							23.0
24.0	36.3	58.9	7 700*	42.0	60.8	8 700*	49.5	62.8	10 700*	56.2	64.2	13 400*							24.0
25.0	31.9	57.4	7 100*	38.2	59.5	8 000*	46.3	61.8	9 800*	53.3	63.4	12 200*							25.0
26.0	26.8	55.5	6 500*	34.1	58.1	7 400*	42.8	60.8	9 000*	50.2	62.6	11 100*	60.8	64.4	16 100*				26.0
27.0	20.6	53.0	6 000*	29.4	56.4	6 800*	39.1	59.6	8 300*	47.0	61.7	10 100*	58.0	63.8	14 500*				27.0
28.0				23.8	54.2	6 300*	35.0	58.2	7 600*	43.6	60.6	9 200*	55.1	63.1	13 000*				28.0
29.0							30.5	56.5	7 000*	39.9	59.5	8 500*	52.1	62.3	11 800*				29.0
30.0							25.2	54.5	6 500*	35.9	58.1	7 800*	49.0	61.4	10 800*				30.0
31.0										31.5	56.5	7 200*	45.7	60.4	9 900*				31.0
32.0										26.3	54.6	6 600*	42.2	59.3	9 000*	53.7	61.5	10 800	32.0
33.0										19.9	52.1	6 100*	38.4	58.1	8 300*	50.7	60.7	10 000	33.0
34.0													34.3	56.7	7 600*	47.5	59.8	9 300	34.0
35.0													29.6	55.0	7 100*	44.1	58.8	8 600	35.0
36.0													24.1	52.8	6 500*	40.5	57.6	8 000	36.0
37.0																36.5	56.3	7 400	37.0
38.0																32.2	54.7	6 900	38.0
39.0																27.2	52.9	6 300	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

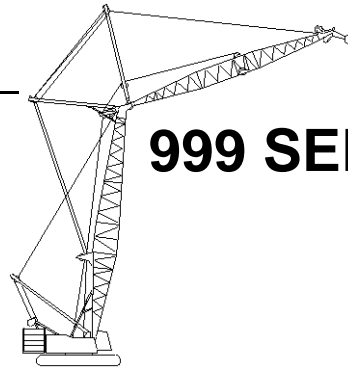
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

42.7m (140 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	74.0	71.2	26 700*																12.2
13.0	72.3	70.9	26 700*																13.0
14.0	70.0	70.6	26 000*	73.3	71.0	26 700*													14.0
15.0	67.7	70.1	23 400*	71.1	70.6	26 700*													15.0
16.0	65.4	69.7	21 100*	68.9	70.2	24 800*													16.0
17.0	63.1	69.2	19 000*	66.6	69.8	22 400*													17.0
18.0	60.7	68.6	17 200*	64.2	69.3	20 100*													18.0
19.0	58.2	68.0	15 600*	61.8	68.8	18 200*	67.1	69.7	23 300*										19.0
20.0	55.7	67.3	14 200*	59.4	68.2	16 400*	64.7	69.2	20 800*										20.0
21.0	53.0	66.5	12 900*	56.9	67.5	14 900*	62.4	68.7	18 700*										21.0
22.0	50.3	65.7	11 900*	54.3	66.8	13 600*	60.0	68.1	16 900*	65.2	68.9	21 500*							22.0
23.0	47.5	64.8	10 900*	51.6	66.0	12 500*	57.5	67.4	15 400*	62.9	68.4	19 200*							23.0
24.0	44.5	63.8	10 100*	48.9	65.1	11 500*	54.9	66.7	14 000*	60.5	67.8	17 400*							24.0
25.0	41.3	62.7	9 300*	45.9	64.2	10 600*	52.2	66.0	12 800*	58.0	67.2	15 800*							25.0
26.0	37.9	61.4	8 600*	42.9	63.1	9 800*	49.5	65.1	11 800*	55.4	66.5	14 400*							26.0
27.0	34.2	59.9	8 000*	39.6	61.9	9 000*	46.6	64.2	10 800*	52.8	65.8	13 200*							27.0
28.0	30.1	58.3	7 400*	36.1	60.6	8 300*	43.6	63.1	10 000*	50.1	64.9	12 100*	59.5	66.7	15 700				28.0
29.0	25.4	56.3	6 900*	32.2	59.0	7 700*	40.3	61.9	9 300*	47.2	64.0	11 200*	57.0	66.1	14 600				29.0
30.0	19.6	53.7	6 400*	27.8	57.2	7 200*	36.9	60.6	8 600*	44.2	63.0	10 300*	54.4	65.4	13 600				30.0
31.0				22.6	54.9	6 700*	33.1	59.1	8 000*	41.0	61.8	9 500*	51.8	64.6	12 700				31.0
32.0				15.8	51.8	6 300*	28.8	57.4	7 400*	37.6	60.5	8 800*	49.0	63.7	11 900				32.0
33.0							23.9	55.2	6 900*	33.9	59.1	8 200*	46.1	62.8	11 000				33.0
34.0										29.8	57.4	7 600*	43.0	61.7	10 100*	53.2	63.8	9 300	34.0
35.0										25.0	55.3	7 100*	39.8	60.5	9 400*	50.5	63.0	8 600	35.0
36.0										19.0	52.7	6 600*	36.2	59.2	8 700*	47.6	62.1	8 000	36.0
37.0													32.4	57.6	8 100*	44.7	61.1	7 400	37.0
38.0													28.0	55.8	7 500*	41.5	60.0	6 900	38.0
39.0													22.9	53.6	7 000*	38.2	58.7	6 400	39.0
40.0																34.5	57.3	5 800	40.0
42.0																25.8	53.6	4 900	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

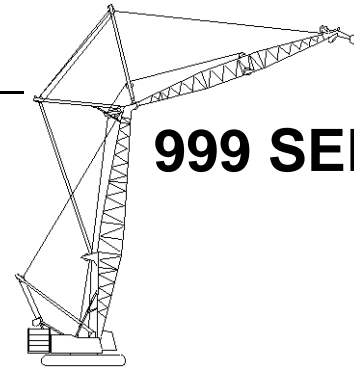
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

42.7m (140 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	75.7	68.5	26 700*																10.7
11.0	74.9	68.4	26 400*																11.0
12.0	72.4	68.0	25 600*																12.0
13.0	69.9	67.7	23 200*																13.0
14.0	67.3	67.3	19 500*	71.1	67.8	24 400*													14.0
15.0	64.7	66.8	17 200*	68.6	67.4	21 100*													15.0
16.0	62.1	66.2	15 200*	66.0	66.9	18 300*													16.0
17.0	59.3	65.6	13 600*	63.4	66.4	16 200*	69.2	67.2	21 800*										17.0
18.0	56.5	65.0	12 200*	60.7	65.8	14 400*	66.6	66.8	19 100*										18.0
19.0	53.5	64.2	11 000*	57.9	65.2	13 000*	64.0	66.3	16 700*										19.0
20.0	50.5	63.4	10 000*	55.0	64.5	11 700*	61.3	65.7	14 900*	67.1	66.5	19 700*							20.0
21.0	47.3	62.5	9 100*	52.0	63.7	10 600*	58.5	65.1	13 400*	64.5	66.0	17 400*							21.0
22.0	43.9	61.5	8 400*	48.8	62.8	9 600*	55.6	64.4	12 100*	61.8	65.5	15 300*							22.0
23.0	40.2	60.3	7 700*	45.5	61.9	8 800*	52.6	63.7	10 900*	59.1	64.9	13 800*							23.0
24.0	36.3	58.9	7 000*	42.0	60.8	8 000*	49.5	62.8	9 900*	56.2	64.2	12 400*							24.0
25.0	31.9	57.4	6 500*	38.2	59.5	7 400*	46.3	61.8	9 000*	53.3	63.4	11 200*							25.0
26.0	26.8	55.5	6 000*	34.1	58.1	6 800*	42.8	60.8	8 300*	50.2	62.6	10 200*	60.8	64.4	14 900*				26.0
27.0	20.6	53.0	5 500*	29.4	56.4	6 200*	39.1	59.6	7 600*	47.0	61.7	9 300*	58.0	63.8	13 400*				27.0
28.0				23.8	54.2	5 800*	35.0	58.2	7 000*	43.6	60.6	8 500*	55.1	63.1	12 000*				28.0
29.0							30.5	56.5	6 400*	39.9	59.5	7 800*	52.1	62.3	10 900*				29.0
30.0							25.2	54.5	5 900*	35.9	58.1	7 200*	49.0	61.4	9 900*				30.0
31.0										31.5	56.5	6 600*	45.7	60.4	9 100*				31.0
32.0										26.3	54.6	6 100*	42.2	59.3	8 300*	53.7	61.5	9 300	32.0
33.0										19.9	52.1	5 600*	38.4	58.1	7 700*	50.7	60.7	8 600	33.0
34.0													34.3	56.7	7 100*	47.5	59.8	7 800	34.0
35.0													29.6	55.0	6 500*	44.1	58.8	7 100	35.0
36.0													24.1	52.8	6 000*	40.5	57.6	6 400	36.0
37.0																36.5	56.3	5 800	37.0
38.0																32.2	54.7	5 200	38.0
39.0																27.2	52.9	4 700	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

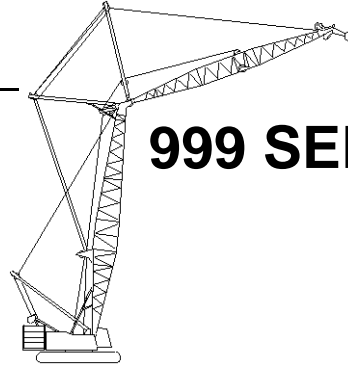
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

42.7m (140 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	74.0	71.2	26 700*																12.2
13.0	72.3	70.9	26 200*																13.0
14.0	70.0	70.6	25 200*	73.3	71.0	26 500*													14.0
15.0	67.7	70.1	22 200*	71.1	70.6	25 900*													15.0
16.0	65.4	69.7	19 400*	68.9	70.2	24 000*													16.0
17.0	63.1	69.2	17 400*	66.6	69.8	20 700*													17.0
18.0	60.7	68.6	15 700*	64.2	69.3	18 500*													18.0
19.0	58.2	68.0	14 200*	61.8	68.8	16 600*	67.1	69.7	21 500*										19.0
20.0	55.7	67.3	13 000*	59.4	68.2	15 000*	64.7	69.2	19 000*										20.0
21.0	53.0	66.5	11 800*	56.9	67.5	13 700*	62.4	68.7	17 100*										21.0
22.0	50.3	65.7	10 800*	54.3	66.8	12 400*	60.0	68.1	15 500*	65.2	68.9	19 700*							22.0
23.0	47.5	64.8	9 900*	51.6	66.0	11 400*	57.5	67.4	14 000*	62.9	68.4	17 600*							23.0
24.0	44.5	63.8	9 200*	48.9	65.1	10 400*	54.9	66.7	12 800*	60.5	67.8	15 900*							24.0
25.0	41.3	62.7	8 500*	45.9	64.2	9 600*	52.2	66.0	11 700*	58.0	67.2	14 400*							25.0
26.0	37.9	61.4	7 800*	42.9	63.1	8 900*	49.5	65.1	10 800*	55.4	66.5	13 200*							26.0
27.0	34.2	59.9	7 300*	39.6	61.9	8 200*	46.6	64.2	9 900*	52.8	65.8	12 000*							27.0
28.0	30.1	58.3	6 700*	36.1	60.6	7 600*	43.6	63.1	9 100*	50.1	64.9	11 100*	59.5	66.7	14 200				28.0
29.0	25.4	56.3	6 200*	32.2	59.0	7 000*	40.3	61.9	8 400*	47.2	64.0	10 200*	57.0	66.1	13 100				29.0
30.0	19.6	53.7	5 800*	27.8	57.2	6 500*	36.9	60.6	7 800*	44.2	63.0	9 400*	54.4	65.4	12 100				30.0
31.0				22.6	54.9	6 100*	33.1	59.1	7 200*	41.0	61.8	8 700*	51.8	64.6	11 200				31.0
32.0				15.8	51.8	5 700*	28.8	57.4	6 700*	37.6	60.5	8 000*	49.0	63.7	10 300				32.0
33.0							23.9	55.2	6 200*	33.9	59.1	7 400*	46.1	62.8	9 500				33.0
34.0										29.8	57.4	6 900*	43.0	61.7	8 800	53.2	63.8	7 900	34.0
35.0										25.0	55.3	6 400*	39.8	60.5	8 000	50.5	63.0	7 200	35.0
36.0										19.0	52.7	6 000*	36.2	59.2	7 300	47.6	62.1	6 600	36.0
37.0													32.4	57.6	6 700	44.7	61.1	6 000	37.0
38.0													28.0	55.8	6 100	41.5	60.0	5 400	38.0
39.0													22.9	53.6	5 500	38.2	58.7	4 800	39.0
40.0																34.5	57.3	4 300	40.0
42.0																25.8	53.6	3 300	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

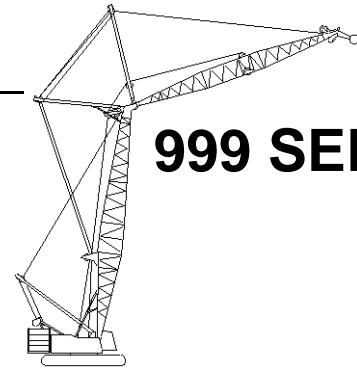
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

42.7m (140 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	75.7	68.5	26 700*																10.7
11.0	74.9	68.4	26 000*																11.0
12.0	72.4	68.0	23 900*																12.0
13.0	69.9	67.7	21 200*																13.0
14.0	67.3	67.3	18 000*	71.1	67.8	22 600*													14.0
15.0	64.7	66.8	15 900*	68.6	67.4	19 500*													15.0
16.0	62.1	66.2	14 100*	66.0	66.9	16 900*													16.0
17.0	59.3	65.6	12 600*	63.4	66.4	15 000*	69.2	67.2	20 200*										17.0
18.0	56.5	65.0	11 300*	60.7	65.8	13 300*	66.6	66.8	17 700*										18.0
19.0	53.5	64.2	10 200*	57.9	65.2	12 000*	64.0	66.3	15 500*										19.0
20.0	50.5	63.4	9 300*	55.0	64.5	10 800*	61.3	65.7	13 800*	67.1	66.5	18 200*							20.0
21.0	47.3	62.5	8 400*	52.0	63.7	9 800*	58.5	65.1	12 300*	64.5	66.0	16 100*							21.0
22.0	43.9	61.5	7 700*	48.8	62.8	8 900*	55.6	64.4	11 100*	61.8	65.5	14 200*							22.0
23.0	40.2	60.3	7 000*	45.5	61.9	8 100*	52.6	63.7	10 100*	59.1	64.9	12 700*							23.0
24.0	36.3	58.9	6 500*	42.0	60.8	7 400*	49.5	62.8	9 100*	56.2	64.2	11 400*							24.0
25.0	31.9	57.4	5 900*	38.2	59.5	6 800*	46.3	61.8	8 400*	53.3	63.4	10 400*							25.0
26.0	26.8	55.5	5 400*	34.1	58.1	6 300*	42.8	60.8	7 600*	50.2	62.6	9 400*	60.8	64.4	13 700*				26.0
27.0	20.6	53.0	5 000*	29.4	56.4	5 700*	39.1	59.6	7 000*	47.0	61.7	8 600*	58.0	63.8	12 400*				27.0
28.0				23.8	54.2	5 300*	35.0	58.2	6 400*	43.6	60.6	7 800*	55.1	63.1	11 100*				28.0
29.0							30.5	56.5	5 900*	39.9	59.5	7 200*	52.1	62.3	10 100*				29.0
30.0							25.2	54.5	5 500*	35.9	58.1	6 600*	49.0	61.4	9 200*				30.0
31.0										31.5	56.5	6 100*	45.7	60.4	8 400*				31.0
32.0										26.3	54.6	5 600*	42.2	59.3	7 700*	53.7	61.5	8 000	32.0
33.0										19.9	52.1	5 100*	38.4	58.1	7 100*	50.7	60.7	7 200	33.0
34.0													34.3	56.7	6 500*	47.5	59.8	6 400	34.0
35.0													29.6	55.0	6 000*	44.1	58.8	5 700	35.0
36.0													24.1	52.8	5 400	40.5	57.6	5 000	36.0
37.0																36.5	56.3	4 300	37.0
38.0																32.2	54.7	3 700	38.0
39.0																27.2	52.9	3 100	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

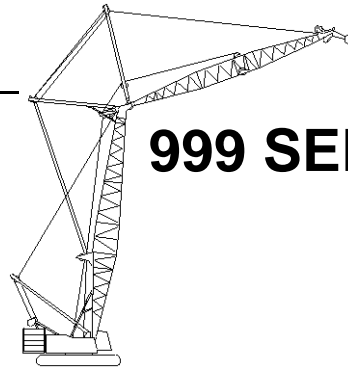
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

42.7m (140 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	74.0	71.2	26 700*																12.2
13.0	72.3	70.9	25 100*																13.0
14.0	70.0	70.6	23 000*	73.3	71.0	26 100*													14.0
15.0	67.7	70.1	20 300*	71.1	70.6	24 200*													15.0
16.0	65.4	69.7	17 900*	68.9	70.2	21 800*													16.0
17.0	63.1	69.2	16 000*	66.6	69.8	19 000*													17.0
18.0	60.7	68.6	14 400*	64.2	69.3	17 000*													18.0
19.0	58.2	68.0	13 100*	61.8	68.8	15 200*	67.1	69.7	19 800*										19.0
20.0	55.7	67.3	11 900*	59.4	68.2	13 800*	64.7	69.2	17 500*										20.0
21.0	53.0	66.5	10 800*	56.9	67.5	12 500*	62.4	68.7	15 800*										21.0
22.0	50.3	65.7	9 900*	54.3	66.8	11 400*	60.0	68.1	14 200*	65.2	68.9	18 100*							22.0
23.0	47.5	64.8	9 100*	51.6	66.0	10 400*	57.5	67.4	12 900*	62.9	68.4	16 200*							23.0
24.0	44.5	63.8	8 400*	48.9	65.1	9 600*	54.9	66.7	11 800*	60.5	67.8	14 600*							24.0
25.0	41.3	62.7	7 700*	45.9	64.2	8 800*	52.2	66.0	10 800*	58.0	67.2	13 300*							25.0
26.0	37.9	61.4	7 200*	42.9	63.1	8 100*	49.5	65.1	9 900*	55.4	66.5	12 100*							26.0
27.0	34.2	59.9	6 600*	39.6	61.9	7 500*	46.6	64.2	9 100*	52.8	65.8	11 100*							27.0
28.0	30.1	58.3	6 100*	36.1	60.6	6 900*	43.6	63.1	8 400*	50.1	64.9	10 100*	59.5	66.7	12 800				28.0
29.0	25.4	56.3	5 700*	32.2	59.0	6 400*	40.3	61.9	7 700*	47.2	64.0	9 400*	57.0	66.1	11 700				29.0
30.0	19.6	53.7	5 300*	27.8	57.2	6 000*	36.9	60.6	7 100*	44.2	63.0	8 600*	54.4	65.4	10 700				30.0
31.0				22.6	54.9	5 500*	33.1	59.1	6 600*	41.0	61.8	8 000*	51.8	64.6	9 800				31.0
32.0				15.8	51.8	5 200*	28.8	57.4	6 100*	37.6	60.5	7 300*	49.0	63.7	8 800				32.0
33.0							23.9	55.2	5 700*	33.9	59.1	6 800*	46.1	62.8	8 000				33.0
34.0										29.8	57.4	6 300*	43.0	61.7	7 300	53.2	63.8	6 600	34.0
35.0										25.0	55.3	5 900*	39.8	60.5	6 500	50.5	63.0	5 800	35.0
36.0										19.0	52.7	5 400*	36.2	59.2	5 800	47.6	62.1	5 200	36.0
37.0													32.4	57.6	5 200	44.7	61.1	4 500	37.0
38.0													28.0	55.8	4 500	41.5	60.0	4 000	38.0
39.0													22.9	53.6	3 900	38.2	58.7	3 400	39.0
40.0																34.5	57.3	2 800	40.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

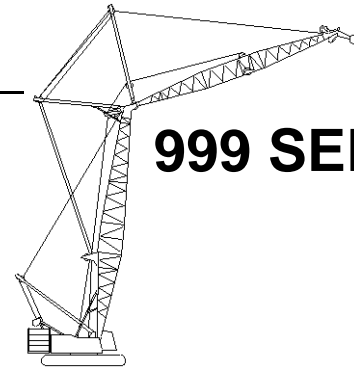
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

42.7m (140 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	75.7	74.4	26 700*													12.2
13.0	74.1	74.1	26 500*													13.0
14.0	72.1	73.8	25 800*													14.0
15.0	70.1	73.4	23 300*													15.0
16.0	68.1	73.0	20 800*	71.1	73.5	24 300*										16.0
17.0	66.0	72.6	18 800*	69.1	73.1	21 900*										17.0
18.0	63.9	72.1	17 000*	67.0	72.7	19 800*										18.0
19.0	61.7	71.5	15 400*	64.9	72.2	17 900*	69.5	73.0	22 600*							19.0
20.0	59.6	71.0	14 000*	62.8	71.7	16 300*	67.5	72.5	20 400*							20.0
21.0	57.3	70.3	12 800*	60.6	71.1	14 800*	65.4	72.1	18 500*							21.0
22.0	55.0	69.6	11 800*	58.4	70.5	13 500*	63.3	71.6	16 700*							22.0
23.0	52.6	68.8	10 800*	56.1	69.9	12 400*	61.1	71.0	15 200*	65.8	71.8	18 900*				23.0
24.0	50.2	68.0	10 000*	53.8	69.1	11 400*	58.9	70.4	13 900*	63.7	71.3	17 200*				24.0
25.0	47.6	67.1	9 200*	51.4	68.3	10 500*	56.6	69.8	12 800*	61.6	70.8	15 600*				25.0
26.0	45.0	66.1	8 600*	48.9	67.4	9 700*	54.3	69.0	11 700*	59.4	70.2	14 300*				26.0
27.0	42.2	65.0	7 900*	46.3	66.5	9 000*	51.9	68.3	10 800*	57.1	69.5	13 100*				27.0
28.0	39.2	63.8	7 300*	43.5	65.4	8 300*	49.4	67.4	10 000*	54.8	68.8	12 100*				28.0
29.0	36.0	62.4	6 800*	40.6	64.3	7 700*	46.8	66.5	9 300*	52.4	68.1	11 100*	60.7	69.7	11 900	29.0
30.0	32.5	60.9	6 400*	37.6	63.0	7 200*	44.1	65.4	8 600*	49.9	67.2	10 300*	58.5	69.1	10 900	30.0
31.0	28.7	59.1	5 900*	34.3	61.6	6 700*	41.3	64.3	8 000*	47.4	66.3	9 500*	56.2	68.4	9 900	31.0
32.0	24.3	57.0	5 500*	30.6	59.9	6 200*	38.3	63.1	7 400*	44.7	65.3	8 800*	53.9	67.7	9 100	32.0
33.0	18.8	54.3	5 200*	26.5	58.0	5 800*	35.0	61.6	6 900*	41.9	64.2	8 200*	51.5	66.9	8 300	33.0
34.0				21.7	55.6	5 400*	31.5	60.0	6 400*	38.9	63.0	7 600*	49.0	66.0	7 500	34.0
35.0				15.3	52.4	5 100*	27.5	58.2	6 000*	35.7	61.6	7 100*	46.4	65.1	6 800	35.0
36.0							22.8	55.9	5 600*	32.2	60.0	6 600*	43.7	64.0	6 100	36.0
37.0										28.3	58.2	6 100	40.8	62.9	5 500	37.0
38.0										23.8	56.1	5 500	37.7	61.6	4 900	38.0
39.0										18.3	53.3	4 900	34.4	60.2	4 300	39.0
40.0													30.8	58.5	3 700	40.0
42.0													21.9	54.2	2 700	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

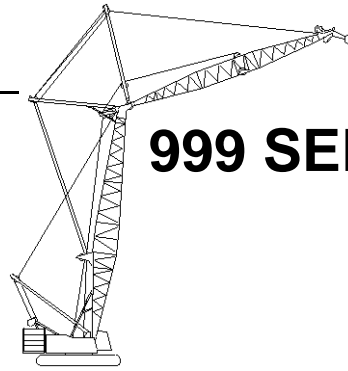
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

42.7m (140 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
13.7	74.3	77.1	25 500*													13.7
14.0	73.8	77.0	24 800*													14.0
15.0	72.0	76.7	22 400*													15.0
16.0	70.2	76.3	20 200*													16.0
17.0	68.3	75.9	18 400*	71.1	76.4	21 300*										17.0
18.0	66.4	75.5	16 900*	69.2	76.0	19 300*										18.0
19.0	64.5	75.0	15 500*	67.4	75.6	17 600*										19.0
20.0	62.6	74.5	14 200*	65.5	75.1	16 200*	69.6	75.9	19 800*							20.0
21.0	60.6	73.9	13 200*	63.6	74.6	14 900*	67.8	75.4	18 000*							21.0
22.0	58.6	73.3	12 100*	61.6	74.1	13 700*	65.9	75.0	16 500*							22.0
23.0	56.6	72.6	11 200*	59.6	73.5	12 700*	64.0	74.5	15 100*							23.0
24.0	54.5	71.9	10 300*	57.6	72.9	11 700*	62.0	74.0	14 000*							24.0
25.0	52.3	71.1	9 400*	55.5	72.2	10 800*	60.1	73.4	12 900*	64.4	74.2	15 500*				25.0
26.0	50.1	70.3	8 700*	53.4	71.4	9 900*	58.0	72.8	12 000*	62.4	73.7	14 200*				26.0
27.0	47.7	69.4	8 000*	51.2	70.6	9 100*	56.0	72.1	11 100*	60.5	73.1	13 200*				27.0
28.0	45.3	68.4	7 400*	48.9	69.7	8 400*	53.8	71.3	10 300*	58.5	72.5	12 200*				28.0
29.0	42.8	67.3	6 800*	46.5	68.8	7 800*	51.7	70.6	9 400*	56.4	71.9	11 300*				29.0
30.0	40.2	66.2	6 300*	44.1	67.8	7 200*	49.4	69.7	8 700*	54.3	71.1	10 500*				30.0
31.0	37.4	64.9	5 800*	41.5	66.7	6 600*	47.1	68.8	8 000*	52.1	70.4	9 800*	59.7	72.0	10 000	31.0
32.0	34.4	63.4	5 300*	38.8	65.4	6 100*	44.6	67.8	7 400*	49.9	69.5	9 000*	57.7	71.4	9 200	32.0
33.0	31.1	61.8	5 000*	35.9	64.0	5 600*	42.1	66.7	6 900*	47.5	68.6	8 300*	55.6	70.7	8 300	33.0
34.0	27.5	59.9	4 600*	32.7	62.5	5 200*	39.4	65.4	6 300*	45.1	67.6	7 600*	53.5	70.0	7 600	34.0
35.0	23.3	57.7	4 200*	29.3	60.8	4 800*	36.5	64.1	5 900*	42.6	66.5	7 100*	51.3	69.2	6 900	35.0
36.0	18.2	54.9	3 900*	25.4	58.8	4 500*	33.4	62.6	5 400*	39.9	65.3	6 500*	49.0	68.3	6 200	36.0
37.0				20.8	56.3	4 100*	30.1	60.9	5 000*	37.1	64.0	6 100*	46.6	67.4	5 600	37.0
38.0				14.9	52.9	3 800*	26.3	59.0	4 600*	34.1	62.6	5 600*	44.2	66.3	5 000	38.0
39.0							21.9	56.6	4 300*	30.8	60.9	5 200	41.6	65.2	4 400	39.0
40.0										27.1	59.0	4 700	38.9	64.0	3 900	40.0
42.0										17.6	53.9	3 600	32.9	61.1	2 900	42.0
44.0													25.6	57.4	2 000	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

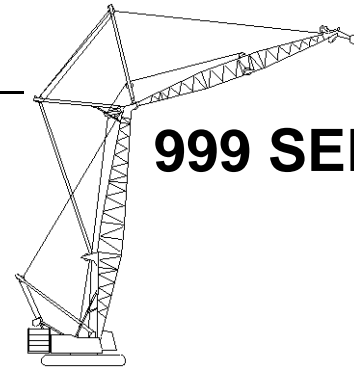
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

42.7m (140 Ft.) Boom, 70.1m (230 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
13.7	75.7	80.3	26 700*										13.7
14.0	75.2	80.2	26 100*										14.0
15.0	73.6	79.9	24 100*										15.0
16.0	71.9	79.6	22 100*										16.0
17.0	70.2	79.2	20 200*	72.7	79.6	23 200*							17.0
18.0	68.5	78.8	18 600*	71.0	79.3	21 200*							18.0
19.0	66.8	78.4	17 100*	69.4	78.9	19 400*							19.0
20.0	65.1	77.9	15 900*	67.7	78.5	17 900*							20.0
21.0	63.3	77.4	14 700*	65.9	78.0	16 500*							21.0
22.0	61.5	76.8	13 700*	64.2	77.5	15 300*	68.0	78.3	18 300*				22.0
23.0	59.7	76.3	12 800*	62.4	77.0	14 200*	66.3	77.9	16 800*				23.0
24.0	57.9	75.6	11 900*	60.6	76.5	13 200*	64.6	77.4	15 600*				24.0
25.0	56.0	75.0	11 100*	58.8	75.8	12 300*	62.8	76.9	14 500*	66.7	77.6	17 100*	25.0
26.0	54.0	74.2	10 400*	56.9	75.2	11 500*	61.0	76.3	13 500*	64.9	77.1	15 800*	26.0
27.0	52.0	73.4	9 600*	55.0	74.5	10 800*	59.2	75.7	12 600*	63.2	76.6	14 700*	27.0
28.0	50.0	72.6	8 900*	53.0	73.7	10 100*	57.3	75.1	11 700*	61.4	76.1	13 700*	28.0
29.0	47.9	71.7	8 200*	51.0	72.9	9 300*	55.4	74.4	11 000*	59.6	75.5	12 700*	29.0
30.0	45.7	70.7	7 600*	48.9	72.0	8 600*	53.4	73.7	10 300*	57.7	74.9	11 900*	30.0
31.0	43.4	69.7	7 100*	46.7	71.1	8 000*	51.4	72.9	9 700*	55.8	74.2	11 200	31.0
32.0	41.0	68.5	6 600*	44.5	70.1	7 500*	49.4	72.0	8 900*	53.8	73.4	10 400	32.0
33.0	38.5	67.3	6 100*	42.2	69.0	7 000*	47.2	71.1	8 300*	51.8	72.7	9 600	33.0
34.0	35.8	65.9	5 700*	39.7	67.8	6 500*	45.0	70.1	7 800*	49.8	71.8	8 800	34.0
35.0	33.0	64.4	5 300*	37.1	66.5	6 000*	42.7	69.0	7 200*	47.7	70.9	8 100	35.0
36.0	29.8	62.7	5 000*	34.4	65.1	5 600*	40.3	67.8	6 700*	45.5	69.9	7 400	36.0
37.0	26.4	60.7	4 600*	31.4	63.4	5 200*	37.7	66.5	6 200*	43.2	68.9	6 700	37.0
38.0	22.4	58.4	4 300*	28.1	61.6	4 800*	35.0	65.1	5 800*	40.8	67.7	6 100	38.0
39.0	17.6	55.5	3 300*	24.4	59.5	4 500*	32.1	63.6	5 400*	38.2	66.4	5 500	39.0
40.0				20.1	56.9	4 000*	28.9	61.8	5 100*	35.6	65.1	5 000	40.0
42.0							21.1	57.3	4 300	29.6	61.8	3 900	42.0
44.0										22.1	57.5	3 000	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

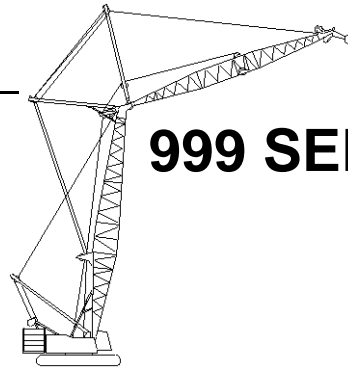
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

42.7m (140 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
15.2	74.5	83.0	22 700*										15.2
16.0	73.3	82.8	21 200*										16.0
17.0	71.8	82.4	19 400*										17.0
18.0	70.3	82.1	17 800*										18.0
19.0	68.7	81.7	16 400*	71.0	82.2	18 600*							19.0
20.0	67.1	81.3	15 100*	69.5	81.8	17 100*							20.0
21.0	65.5	80.8	14 000*	67.9	81.4	15 800*							21.0
22.0	63.9	80.3	13 000*	66.3	80.9	14 600*	69.8	81.6	17 500*				22.0
23.0	62.3	79.8	12 100*	64.7	80.5	13 500*	68.3	81.2	16 100*				23.0
24.0	60.6	79.2	11 200*	63.1	79.9	12 500*	66.7	80.8	14 800*				24.0
25.0	58.9	78.6	10 400*	61.4	79.4	11 600*	65.1	80.3	13 800*				25.0
26.0	57.2	78.0	9 700*	59.8	78.8	10 800*	63.5	79.8	12 700*	67.0	80.5	15 100*	26.0
27.0	55.4	77.3	9 100*	58.0	78.2	10 100*	61.8	79.3	11 900*	65.4	80.0	14 000*	27.0
28.0	53.6	76.5	8 500*	56.3	77.5	9 400*	60.1	78.7	11 100*	63.8	79.5	13 000*	28.0
29.0	51.8	75.7	7 900*	54.5	76.8	8 800*	58.4	78.1	10 300*	62.1	79.0	12 100*	29.0
30.0	49.9	74.9	7 400*	52.7	76.0	8 200*	56.7	77.4	9 600*	60.5	78.4	11 200*	30.0
31.0	47.9	74.0	6 900*	50.8	75.2	7 700*	54.9	76.7	9 000*	58.8	77.8	10 400*	31.0
32.0	45.9	73.0	6 500*	48.9	74.3	7 200*	53.1	76.0	8 300*	57.0	77.2	9 800*	32.0
33.0	43.8	72.0	6 100*	46.9	73.4	6 700*	51.2	75.2	7 800*	55.3	76.5	9 100*	33.0
34.0	41.7	70.9	5 600*	44.9	72.4	6 300*	49.3	74.3	7 300*	53.5	75.8	8 500*	34.0
35.0	39.4	69.7	5 200*	42.7	71.3	5 900*	47.4	73.4	6 800*	51.6	75.0	8 000*	35.0
36.0	37.0	68.4	4 800*	40.5	70.2	5 500*	45.3	72.4	6 400*	49.7	74.1	7 400	36.0
37.0	34.4	66.9	4 400*	38.2	68.9	5 100*	43.2	71.3	6 000*	47.8	73.2	6 800	37.0
38.0	31.7	65.3	4 100*	35.7	67.5	4 700*	41.0	70.2	5 600*	45.7	72.2	6 200	38.0
39.0	28.8	63.5	3 700*	33.1	66.0	4 300*	38.7	68.9	5 200*	43.6	71.2	5 600	39.0
40.0	25.5	61.5	3 400*	30.2	64.3	4 000*	36.3	67.6	4 900*	41.5	70.1	5 100	40.0
42.0				23.6	60.2	3 400*	30.9	64.5	4 200*	36.8	67.5	4 100	42.0
44.0							24.4	60.5	3 500	31.5	64.5	3 100	44.0
46.0										25.2	60.6	2 300	46.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

45.7m (150 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m	
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall			
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m
12.2	51.5	57.2	14 800*																12.2	
13.0	46.1	56.4	13 200*																13.0	
14.0	38.6	55.2	11 300*	50.1	56.9	14 500*													14.0	
15.0	29.4	53.5	9 900*	43.2	55.8	12 500*													15.0	
16.0				35.1	54.5	10 800*	52.5	57.0	15 700*b										16.0	
17.0							45.9	56.0	13 200*										17.0	
18.0							38.4	54.8	11 400*										18.0	
19.0							29.1	53.1	10 000*	48.4	56.0	14 300*							19.0	
20.0										41.3	54.9	12 100*							20.0	
21.0										32.8	53.4	10 500*							21.0	
22.0													54.0	55.9	16 900*b				22.0	
23.0													47.6	54.9	14 000*				23.0	
24.0													40.3	53.8	12 100*				24.0	
25.0													31.6	52.2	10 500*				25.0	
26.0																	52.7	54.4	16 200*	26.0
27.0																	46.1	53.5	13 900*	27.0
28.0																	38.6	52.2	11 800*	28.0

45.7m (150 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m	
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall			
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m
10.7	60.5	58.3	16 200*b																10.7	
11.0	58.6	58.1	15 400*b																11.0	
12.0	52.7	57.4	12 800*																12.0	
13.0	46.1	56.4	10 800*	56.3	57.7	14 500*													13.0	
14.0	38.6	55.2	9 300*	50.1	56.9	11 900*													14.0	
15.0	29.4	53.5	8 100*	43.2	55.8	10 200*													15.0	
16.0				35.1	54.5	8 800*	52.5	57.0	13 100*										16.0	
17.0							45.9	56.0	10 900*	60.5	57.6	17 000*b							17.0	
18.0							38.4	54.8	9 400*	54.7	56.9	14 100*							18.0	
19.0							29.1	53.1	8 200*	48.4	56.0	11 700*							19.0	
20.0										41.3	54.9	10 000*							20.0	
21.0										32.8	53.4	8 700*							21.0	
22.0													54.0	55.9	14 000*				22.0	
23.0													47.6	54.9	11 600*				23.0	
24.0													40.3	53.8	9 900*				24.0	
25.0													31.6	52.2	8 600*				25.0	
26.0																	52.7	54.4	13 500*	26.0
27.0																	46.1	53.5	11 500*	27.0
28.0																	38.6	52.2	9 800*	28.0

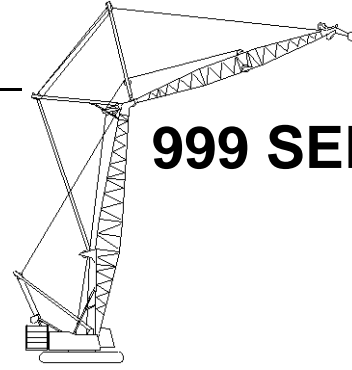


Liftcrane Luffing Jib Intermediate Fall Capacities

999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



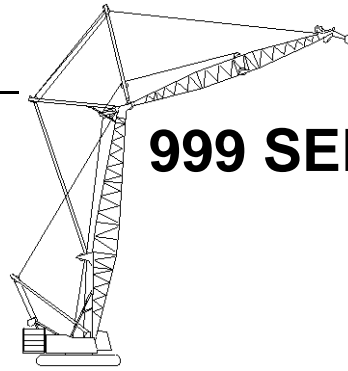
45.7m (150 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	60.5	58.3	14 400*																10.7
11.0	58.6	58.1	13 600*																11.0
12.0	52.7	57.4	11 200*																12.0
13.0	46.1	56.4	9 400*	56.3	57.7	12 700*													13.0
14.0	38.6	55.2	8 100*	50.1	56.9	10 500*													14.0
15.0	29.4	53.5	7 000*	43.2	55.8	8 900*													15.0
16.0				35.1	54.5	7 700*	52.5	57.0	11 500*										16.0
17.0							45.9	56.0	9 600*	60.5	57.6	15 000*							17.0
18.0							38.4	54.8	8 200*	54.7	56.9	12 300*							18.0
19.0							29.1	53.1	7 100*	48.4	56.0	10 200*							19.0
20.0										41.3	54.9	8 800*							20.0
21.0										32.8	53.4	7 500*							21.0
22.0													54.0	55.9	12 300*				22.0
23.0													47.6	54.9	10 200*				23.0
24.0													40.3	53.8	8 700*				24.0
25.0													31.6	52.2	7 500*				25.0
26.0																52.7	54.4	11 900*	26.0
27.0																46.1	53.5	10 100*	27.0
28.0																38.6	52.2	8 500*	28.0

REFERENCE ONLY!



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

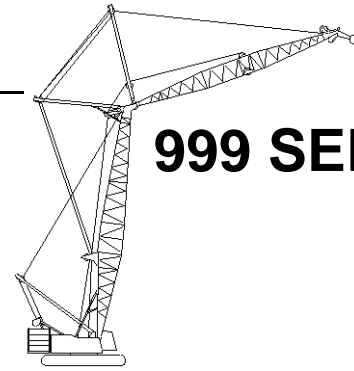
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

45.7m (150 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	67.0	61.8	20 900*																10.7
11.0	65.6	61.7	19 800*																11.0
12.0	61.3	61.1	16 400*																12.0
13.0	56.7	60.4	13 700*	63.9	61.3	18 600*													13.0
14.0	51.9	59.7	11 900*	59.4	60.7	15 300*													14.0
15.0	46.7	58.7	10 400*	54.8	60.0	13 000*													15.0
16.0	41.0	57.6	9 100*	49.9	59.2	11 300*	61.1	60.7	16 700*										16.0
17.0	34.4	56.2	8 100*	44.5	58.2	9 900*	56.6	60.0	14 000*	67.0	61.1	21 900*							17.0
18.0	26.4	54.3	7 200*	38.5	56.9	8 700*	51.8	59.3	12 000*	62.7	60.5	18 000*							18.0
19.0				31.4	55.4	7 700*	46.6	58.3	10 500*	58.3	59.9	14 900*							19.0
20.0							40.8	57.2	9 200*	53.6	59.2	12 800*							20.0
21.0							34.2	55.8	8 200*	48.5	58.3	11 100*							21.0
22.0							26.1	53.8	7 200*	43.0	57.2	9 700*							22.0
23.0										36.8	55.9	8 600*	57.7	58.9	15 000*				23.0
24.0										29.3	54.2	7 600*	53.0	58.2	12 900*				24.0
25.0													47.9	57.3	11 100*				25.0
26.0													42.3	56.2	9 700*				26.0
27.0													35.9	54.8	8 600*				27.0
28.0													28.3	53.1	7 600*	51.9	56.7	12 600*	28.0
29.0																46.7	55.8	10 900*	29.0
30.0																41.0	54.6	9 600*	30.0
31.0																34.4	53.2	8 500*	31.0
32.0																26.4	51.3	7 500*	32.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

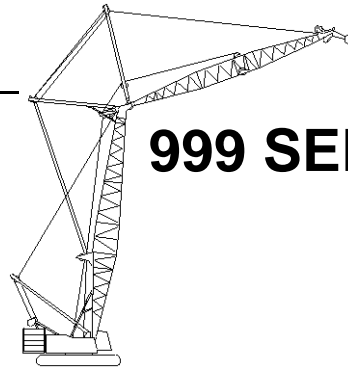
45.7m (150 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	68.7	59.2	19 000* ^b																9.1
10.0	64.2	58.7	15 800*																10.0
11.0	58.6	58.1	12 500*	67.4	58.9	18 200* ^b													11.0
12.0	52.7	57.4	10 400*	62.0	58.4	14 400*													12.0
13.0	46.1	56.4	8 900*	56.3	57.7	11 600*													13.0
14.0	38.6	55.2	7 700*	50.1	56.9	9 800*	64.0	58.4	15 800*										14.0
15.0	29.4	53.5	6 700*	43.2	55.8	8 400*	58.5	57.7	12 800*										15.0
16.0				35.1	54.5	7 300*	52.5	57.0	10 500*										16.0
17.0							45.9	56.0	8 900*	60.5	57.6	13 800*							17.0
18.0							38.4	54.8	7 700*	54.7	56.9	11 400*							18.0
19.0							29.1	53.1	6 700*	48.4	56.0	9 500*							19.0
20.0										41.3	54.9	8 200*							20.0
21.0										32.8	53.4	7 100*							21.0
22.0													54.0	55.9	11 400*				22.0
23.0													47.6	54.9	9 500*				23.0
24.0													40.3	53.8	8 100*				24.0
25.0													31.6	52.2	7 100*				25.0
26.0																52.7	54.4	10 900*	26.0
27.0																46.1	53.5	9 300*	27.0
28.0																38.6	52.2	7 900*	28.0

REFERENCE ONLY!



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

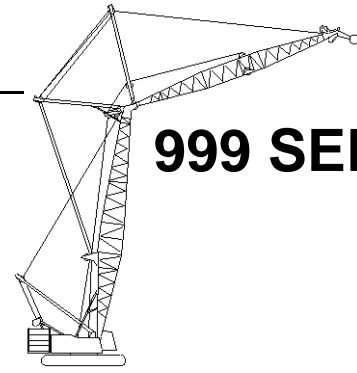
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

45.7m (150 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
9.1	73.2	62.4	26 600*b																9.1
10.0	69.8	62.1	22 100*																10.0
11.0	65.6	61.7	17 400*																11.0
12.0	61.3	61.1	14 400*	72.2	62.2	25 000*b													12.0
13.0	56.7	60.4	12 300*	68.1	61.8	20 000*													13.0
14.0	51.9	59.7	10 600*	63.9	61.3	16 200*													14.0
15.0	46.7	58.7	9 200*	59.4	60.7	13 600*	69.7	61.7	22 100*										15.0
16.0	41.0	57.6	8 100*	54.8	60.0	11 600*	65.5	61.3	17 800*										16.0
17.0	34.4	56.2	7 200*	49.9	59.2	10 100*	61.1	60.7	14 500*										17.0
18.0	26.4	54.3	6 400*	44.5	58.2	8 800*	56.6	60.0	12 400*	67.0	61.1	19 300*							18.0
19.0				51.8	59.3	7 800*	51.8	59.3	10 700*	62.7	60.5	15 900*							19.0
20.0				46.6	58.3	6 900*	46.6	58.3	9 300*	58.3	59.9	13 200*							20.0
21.0				40.8	57.2		40.8	57.2	8 200*	53.6	59.2	11 400*							21.0
22.0				34.2	55.8		34.2	55.8	7 200*	48.5	58.3	9 800*							22.0
23.0				26.1	53.8		26.1	53.8	6 500*	43.0	57.2	8 600*							23.0
24.0										36.8	55.9	7 600*	57.7	58.9	13 200*				24.0
25.0										29.3	54.2	6 800*	53.0	58.2	11 400*				25.0
26.0													47.9	57.3	9 800*				26.0
27.0													42.3	56.2	8 600*				27.0
28.0													35.9	54.8	7 600*				28.0
29.0													28.3	53.1	6 700*	51.9	56.7	11 100*	29.0
30.0																46.7	55.8	9 600*	30.0
31.0																41.0	54.6	8 400*	31.0
32.0																34.4	53.2	7 500*	32.0
																26.4	51.3	6 700*	



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

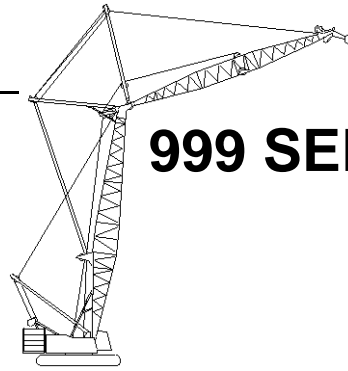
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

45.7m (150 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	71.1	65.1	23 700*																10.7
11.0	70.0	65.0	22 400*																11.0
12.0	66.5	64.6	18 600*																12.0
13.0	63.0	64.0	15 600*	68.6	64.7	21 000*													13.0
14.0	59.3	63.4	13 500*	65.1	64.3	17 300*													14.0
15.0	55.5	62.8	11 800*	61.5	63.7	14 800*													15.0
16.0	51.4	62.0	10 400*	57.7	63.1	12 800*	66.4	64.2	18 900*										16.0
17.0	47.1	61.0	9 300*	53.8	62.3	11 300*	62.9	63.7	15 800*										17.0
18.0	42.5	59.9	8 300*	49.7	61.5	10 000*	59.2	63.1	13 600*										18.0
19.0	37.3	58.7	7 400*	45.3	60.5	8 900*	55.3	62.4	11 900*	64.2	63.5	17 100*							19.0
20.0	31.5	57.1	6 700*	40.5	59.3	7 900*	51.3	61.6	10 500*	60.5	62.9	14 500*							20.0
21.0	24.2	55.0	6 000*	35.1	58.0	7 100*	47.0	60.6	9 300*	56.8	62.2	12 600*							21.0
22.0				28.7	56.2	6 400*	42.3	59.5	8 300*	52.8	61.5	11 100*							22.0
23.0							37.2	58.2	7 500*	48.6	60.6	9 800*							23.0
24.0							31.3	56.7	6 700*	44.1	59.6	8 700*							24.0
25.0							24.0	54.6	6 100*	39.1	58.4	7 800*	56.3	61.2	12 600*				25.0
26.0										33.5	56.9	7 000*	52.3	60.5	11 000*				26.0
27.0										26.8	55.0	6 300*	48.1	59.6	9 800*				27.0
28.0													43.5	58.5	8 700*				28.0
29.0													38.5	57.3	7 800*	55.5	59.8	12 300*	29.0
30.0													32.8	55.8	7 000*	51.4	59.0	10 900*	30.0
31.0													25.9	53.8	6 400*	47.1	58.1	9 600*	31.0
32.0													16.3	50.9	5 800*	42.5	57.0	8 600*	32.0
33.0																37.4	55.7	7 700*	33.0
34.0																31.5	54.1	7 000*	34.0
35.0																24.2	52.1	6 300*	35.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

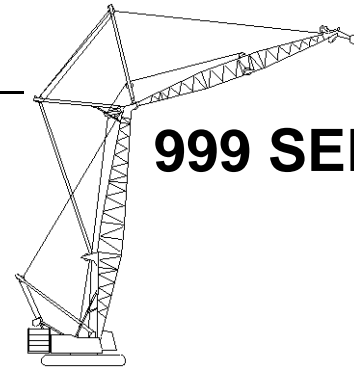
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

45.7m (150 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	73.9	68.4	26 700*																10.7
11.0	73.0	68.2	26 000*																11.0
12.0	70.1	67.9	23 800*																12.0
13.0	67.1	67.5	21 000*																13.0
14.0	64.1	67.0	17 700*	68.9	67.6	22 800*													14.0
15.0	61.0	66.4	15 500*	65.9	67.2	19 600*													15.0
16.0	57.9	65.8	13 700*	62.9	66.6	16 800*													16.0
17.0	54.5	65.1	12 200*	59.8	66.1	14 800*	67.1	67.1	20 800*										17.0
18.0	51.1	64.3	10 900*	56.5	65.4	13 100*	64.1	66.6	18 000*										18.0
19.0	47.4	63.3	9 800*	53.1	64.6	11 700*	61.0	66.0	15 600*										19.0
20.0	43.5	62.3	8 900*	49.6	63.8	10 500*	57.8	65.4	13 800*	65.2	66.4	19 100*							20.0
21.0	39.3	61.1	8 100*	45.8	62.8	9 500*	54.4	64.7	12 300*	62.1	65.8	16 700*							21.0
22.0	34.6	59.7	7 300*	41.8	61.7	8 600*	51.0	63.9	11 000*	58.9	65.2	14 600*							22.0
23.0	29.2	57.9	6 700*	37.4	60.4	7 800*	47.3	62.9	9 900*	55.7	64.5	12 900*							23.0
24.0	22.6	55.7	6 100*	32.5	58.9	7 100*	43.4	61.9	9 000*	52.2	63.8	11 600*							24.0
25.0				26.7	57.0	6 500*	39.1	60.7	8 200*	48.7	62.9	10 400*							25.0
26.0							34.4	59.2	7 400*	44.8	61.9	9 400*	58.6	64.2	14 500*				26.0
27.0							29.0	57.5	6 700*	40.7	60.7	8 500*	55.3	63.5	13 000*				27.0
28.0							22.4	55.3	6 200*	36.2	59.4	7 700*	51.8	62.7	11 500*				28.0
29.0										31.1	57.8	7 000*	48.2	61.9	10 400*				29.0
30.0										25.0	55.8	6 400*	44.4	60.8	9 400*				30.0
31.0													40.2	59.7	8 500*	54.5	62.1	11 000	31.0
32.0													35.6	58.3	7 800*	51.1	61.3	10 200	32.0
33.0													30.4	56.7	7 100*	47.4	60.4	9 400	33.0
34.0													24.2	54.6	6 400*	43.5	59.3	8 700	34.0
35.0													15.5	51.5	5 900*	39.3	58.1	8 000	35.0
36.0																34.6	56.7	7 400	36.0
37.0																29.2	55.0	6 800	37.0
38.0																22.6	52.8	6 100	38.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

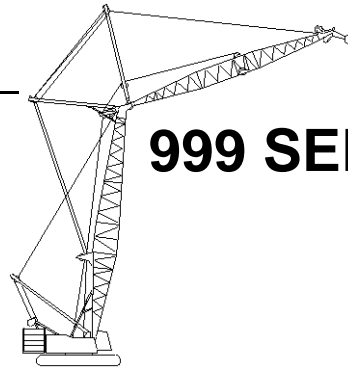
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

45.7m (150 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	76.0	71.5	26 700*																10.7
11.0	75.2	71.4	26 700*																11.0
12.0	72.7	71.1	26 700*																12.0
13.0	70.2	70.8	24 400*																13.0
14.0	67.6	70.3	21 600*	71.7	70.9	26 000*													14.0
15.0	65.0	69.9	18 900*	69.1	70.5	23 300*													15.0
16.0	62.3	69.3	16 700*	66.6	70.1	20 700*													16.0
17.0	59.6	68.8	14 900*	63.9	69.6	18 100*	70.1	70.4	25 100*										17.0
18.0	56.8	68.1	13 400*	61.2	69.0	16 000*	67.5	70.0	21 800*										18.0
19.0	53.9	67.4	12 100*	58.5	68.4	14 400*	64.9	69.5	19 100*										19.0
20.0	50.8	66.5	11 000*	55.6	67.7	13 000*	62.3	69.0	16 900*										20.0
21.0	47.6	65.6	10 000*	52.6	66.9	11 800*	59.5	68.4	15 100*										21.0
22.0	44.2	64.6	9 200*	49.5	66.1	10 700*	56.7	67.7	13 600*	63.2	68.8	17 900*							22.0
23.0	40.6	63.5	8 400*	46.3	65.1	9 800*	53.8	67.0	12 300*	60.5	68.2	15 800*							23.0
24.0	36.7	62.1	7 700*	42.8	64.1	8 900*	50.7	66.2	11 200*	57.7	67.6	14 200*							24.0
25.0	32.4	60.6	7 100*	39.1	62.8	8 200*	47.5	65.2	10 200*	54.8	66.9	12 900*							25.0
26.0	27.4	58.8	6 600*	35.0	61.4	7 500*	44.1	64.2	9 300*	51.8	66.1	11 600*							26.0
27.0	21.3	56.4	6 100*	30.5	59.8	6 900*	40.5	63.1	8 500*	48.7	65.2	10 600*							27.0
28.0				25.1	57.8	6 400*	36.6	61.7	7 800*	45.4	64.2	9 700*	57.4	66.6	14 200*				28.0
29.0							32.3	60.2	7 200*	41.9	63.1	8 900*	54.5	65.8	12 800*				29.0
30.0							27.3	58.3	6 700*	38.1	61.8	8 200*	51.5	65.0	11 600*				30.0
31.0							21.1	55.9	6 100*	33.9	60.4	7 500*	48.3	64.2	10 600*				31.0
32.0							12.0	52.2	5 700*	29.2	58.7	6 900*	45.0	63.2	9 700*	56.8	65.2	10 400	32.0
33.0										23.5	56.5	6 400*	41.4	62.0	8 900*	53.9	64.4	9 700	33.0
34.0													37.6	60.8	8 200*	50.8	63.6	9 000	34.0
35.0													33.4	59.3	7 600*	47.6	62.7	8 300	35.0
36.0													28.6	57.5	7 000*	44.2	61.7	7 700	36.0
37.0													22.8	55.3	6 400*	40.6	60.5	7 100	37.0
38.0													14.8	52.1	5 900*	36.7	59.2	6 500	38.0
39.0																32.4	57.7	6 000	39.0
40.0																27.4	55.8	5 500	40.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

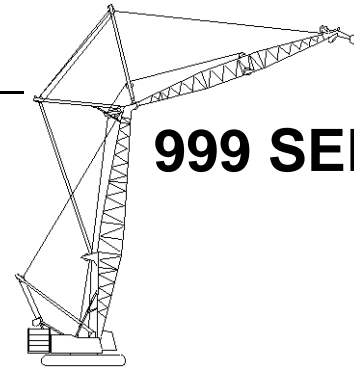
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

45.7m (150 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	74.3	74.3	26 700*																12.2
13.0	72.5	74.0	26 700*																13.0
14.0	70.3	73.6	26 000*																14.0
15.0	68.0	73.2	23 700*																15.0
16.0	65.7	72.8	21 300*	69.3	73.4	25 100*													16.0
17.0	63.3	72.3	19 200*	67.1	72.9	23 000*													17.0
18.0	60.9	71.7	17 400*	64.7	72.5	20 600*													18.0
19.0	58.5	71.1	15 800*	62.4	71.9	18 500*	67.9	72.8	24 300*										19.0
20.0	55.9	70.4	14 300*	59.9	71.4	16 800*	65.6	72.4	21 600*										20.0
21.0	53.3	69.7	13 100*	57.4	70.7	15 300*	63.3	71.9	19 500*										21.0
22.0	50.6	68.8	12 000*	54.9	70.0	13 900*	60.9	71.3	17 600*	66.5	72.2	22 900*							22.0
23.0	47.8	67.9	11 000*	52.2	69.2	12 700*	58.4	70.7	16 000*	64.1	71.7	20 400*							23.0
24.0	44.8	66.9	10 100*	49.5	68.4	11 700*	55.9	70.0	14 500*	61.7	71.1	18 400*							24.0
25.0	41.7	65.8	9 400*	46.6	67.4	10 700*	53.2	69.3	13 300*	59.3	70.5	16 700*							25.0
26.0	38.3	64.6	8 600*	43.5	66.4	9 900*	50.5	68.5	12 200*	56.8	69.9	15 200*							26.0
27.0	34.7	63.1	8 000*	40.3	65.2	9 100*	47.7	67.5	11 200*	54.2	69.2	13 900*							27.0
28.0	30.6	61.5	7 400*	36.9	63.9	8 500*	44.7	66.5	10 300*	51.5	68.4	12 700*	61.5	70.2	15 300				28.0
29.0	26.0	59.5	6 900*	33.1	62.4	7 900*	41.6	65.4	9 500*	48.7	67.5	11 700*	59.0	69.5	14 200				29.0
30.0	20.3	57.0	6 500*	28.8	60.6	7 300*	38.2	64.2	8 800*	45.8	66.5	10 700*	56.5	68.9	13 300				30.0
31.0				23.8	58.5	6 800*	34.5	62.7	8 200*	42.7	65.4	9 900*	53.9	68.2	12 400				31.0
32.0				17.5	55.6	6 300*	30.5	61.1	7 600*	39.4	64.2	9 200*	51.2	67.3	11 600				32.0
33.0							25.8	59.1	7 100*	35.9	62.9	8 500*	48.4	66.5	10 800				33.0
34.0							20.1	56.6	6 600*	32.0	61.3	7 900*	45.5	65.5	10 000	55.9	67.5	8 900	34.0
35.0							11.8	52.7	6 100*	27.6	59.5	7 300*	42.3	64.4	9 400	53.3	66.7	8 200	35.0
36.0										22.4	57.2	6 800*	39.0	63.2	8 700	50.6	65.9	7 600	36.0
37.0													35.5	61.8	8 100	47.8	65.0	7 100	37.0
38.0													31.5	60.2	7 500	44.8	64.0	6 500	38.0
39.0													27.0	58.3	7 000	41.7	62.9	6 000	39.0
40.0													21.7	56.0	6 400	38.3	61.6	5 500	40.0
42.0																30.6	58.6	4 600	42.0
44.0																20.3	54.1	3 700	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

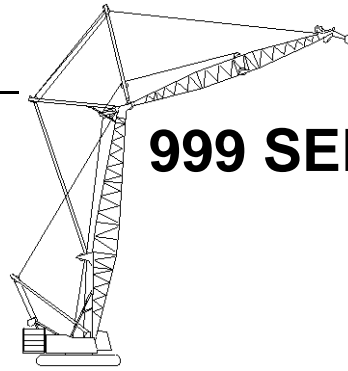
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

45.7m (150 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	76.0	71.5	26 700*																10.7
11.0	75.2	71.4	26 600*																11.0
12.0	72.7	71.1	26 100*																12.0
13.0	70.2	70.8	23 700*																13.0
14.0	67.6	70.3	19 900*	71.7	70.9	25 400*													14.0
15.0	65.0	69.9	17 400*	69.1	70.5	21 800*													15.0
16.0	62.3	69.3	15 400*	66.6	70.1	18 900*													16.0
17.0	59.6	68.8	13 800*	63.9	69.6	16 700*	70.1	70.4	23 200*										17.0
18.0	56.8	68.1	12 400*	61.2	69.0	14 800*	67.5	70.0	20 200*										18.0
19.0	53.9	67.4	11 200*	58.5	68.4	13 300*	64.9	69.5	17 600*										19.0
20.0	50.8	66.5	10 100*	55.6	67.7	12 000*	62.3	69.0	15 600*										20.0
21.0	47.6	65.6	9 200*	52.6	66.9	10 800*	59.5	68.4	13 900*										21.0
22.0	44.2	64.6	8 400*	49.5	66.1	9 800*	56.7	67.7	12 600*	63.2	68.8	16 500*							22.0
23.0	40.6	63.5	7 700*	46.3	65.1	9 000*	53.8	67.0	11 400*	60.5	68.2	14 600*							23.0
24.0	36.7	62.1	7 100*	42.8	64.1	8 200*	50.7	66.2	10 300*	57.7	67.6	13 100*							24.0
25.0	32.4	60.6	6 500*	39.1	62.8	7 500*	47.5	65.2	9 400*	54.8	66.9	11 900*							25.0
26.0	27.4	58.8	6 000*	35.0	61.4	6 900*	44.1	64.2	8 600*	51.8	66.1	10 700*							26.0
27.0	21.3	56.4	5 600*	30.5	59.8	6 400*	40.5	63.1	7 900*	48.7	65.2	9 800*							27.0
28.0				25.1	57.8	5 800*	36.6	61.7	7 200*	45.4	64.2	9 000*	57.4	66.6	13 200*				28.0
29.0							32.3	60.2	6 600*	41.9	63.1	8 200*	54.5	65.8	11 900*				29.0
30.0							27.3	58.3	6 100*	38.1	61.8	7 500*	51.5	65.0	10 800*				30.0
31.0							21.1	55.9	5 700*	33.9	60.4	6 900*	48.3	64.2	9 800*				31.0
32.0							12.0	52.2	5 300*	29.2	58.7	6 300*	45.0	63.2	9 000*	56.8	65.2	9 000	32.0
33.0										23.5	56.5	5 900*	41.4	62.0	8 200*	53.9	64.4	8 200	33.0
34.0													37.6	60.8	7 500*	50.8	63.6	7 500	34.0
35.0													33.4	59.3	7 000*	47.6	62.7	6 800	35.0
36.0													28.6	57.5	6 400*	44.2	61.7	6 100	36.0
37.0													22.8	55.3	5 900*	40.6	60.5	5 500	37.0
38.0													14.8	52.1	5 500*	36.7	59.2	5 000	38.0
39.0																32.4	57.7	4 400	39.0
40.0																27.4	55.8	3 900	40.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

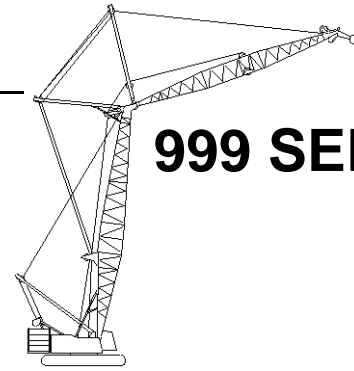
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

45.7m (150 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	74.3	74.3	26 700*																12.2
13.0	72.5	74.0	26 500*																13.0
14.0	70.3	73.6	25 700*																14.0
15.0	68.0	73.2	22 600*																15.0
16.0	65.7	72.8	19 700*	69.3	73.4	24 200*													16.0
17.0	63.3	72.3	17 700*	67.1	72.9	21 300*													17.0
18.0	60.9	71.7	15 900*	64.7	72.5	18 900*													18.0
19.0	58.5	71.1	14 400*	62.4	71.9	17 000*	67.9	72.8	22 500*										19.0
20.0	55.9	70.4	13 100*	59.9	71.4	15 400*	65.6	72.4	19 900*										20.0
21.0	53.3	69.7	11 900*	57.4	70.7	13 900*	63.3	71.9	17 900*										21.0
22.0	50.6	68.8	10 900*	54.9	70.0	12 700*	60.9	71.3	16 100*	66.5	72.2	21 000*							22.0
23.0	47.8	67.9	10 000*	52.2	69.2	11 600*	58.4	70.7	14 600*	64.1	71.7	18 700*							23.0
24.0	44.8	66.9	9 200*	49.5	68.4	10 600*	55.9	70.0	13 300*	61.7	71.1	16 800*							24.0
25.0	41.7	65.8	8 500*	46.6	67.4	9 800*	53.2	69.3	12 100*	59.3	70.5	15 200*							25.0
26.0	38.3	64.6	7 900*	43.5	66.4	9 000*	50.5	68.5	11 200*	56.8	69.9	13 900*							26.0
27.0	34.7	63.1	7 300*	40.3	65.2	8 300*	47.7	67.5	10 200*	54.2	69.2	12 700*							27.0
28.0	30.6	61.5	6 700*	36.9	63.9	7 700*	44.7	66.5	9 400*	51.5	68.4	11 600*	61.5	70.2	13 900				28.0
29.0	26.0	59.5	6 300*	33.1	62.4	7 100*	41.6	65.4	8 700*	48.7	67.5	10 700*	59.0	69.5	12 800				29.0
30.0	20.3	57.0	5 900*	28.8	60.6	6 600*	38.2	64.2	8 100*	45.8	66.5	9 800*	56.5	68.9	11 800				30.0
31.0				23.8	58.5	6 100*	34.5	62.7	7 400*	42.7	65.4	9 000*	53.9	68.2	10 900				31.0
32.0				17.5	55.6	5 700*	30.5	61.1	6 900*	39.4	64.2	8 400*	51.2	67.3	10 100				32.0
33.0							25.8	59.1	6 400*	35.9	62.9	7 800*	48.4	66.5	9 300				33.0
34.0							20.1	56.6	6 000*	32.0	61.3	7 200*	45.5	65.5	8 500	55.9	67.5	7 500	34.0
35.0							11.8	52.7	5 600*	27.6	59.5	6 700*	42.3	64.4	7 800	53.3	66.7	6 800	35.0
36.0										22.4	57.2	6 200*	39.0	63.2	7 100	50.6	65.9	6 200	36.0
37.0													35.5	61.8	6 500	47.8	65.0	5 600	37.0
38.0													31.5	60.2	5 900	44.8	64.0	5 000	38.0
39.0													27.0	58.3	5 300	41.7	62.9	4 500	39.0
40.0													21.7	56.0	4 800	38.3	61.6	4 000	40.0
42.0																30.6	58.6	3 100	42.0
44.0																20.3	54.1	2 200	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

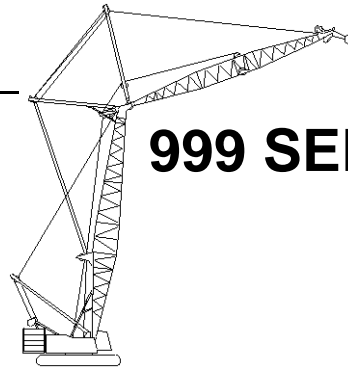
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

45.7m (150 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	76.0	71.5	26 700*																10.7
11.0	75.2	71.4	26 100*																11.0
12.0	72.7	71.1	24 400*																12.0
13.0	70.2	70.8	21 700*																13.0
14.0	67.6	70.3	18 400*	71.7	70.9	23 500*													14.0
15.0	65.0	69.9	16 100*	69.1	70.5	20 200*													15.0
16.0	62.3	69.3	14 300*	66.6	70.1	17 500*													16.0
17.0	59.6	68.8	12 800*	63.9	69.6	15 500*	70.1	70.4	21 500*										17.0
18.0	56.8	68.1	11 400*	61.2	69.0	13 700*	67.5	70.0	18 700*										18.0
19.0	53.9	67.4	10 300*	58.5	68.4	12 300*	64.9	69.5	16 300*										19.0
20.0	50.8	66.5	9 300*	55.6	67.7	11 000*	62.3	69.0	14 500*										20.0
21.0	47.6	65.6	8 500*	52.6	66.9	10 000*	59.5	68.4	12 900*										21.0
22.0	44.2	64.6	7 800*	49.5	66.1	9 100*	56.7	67.7	11 600*	63.2	68.8	15 300*							22.0
23.0	40.6	63.5	7 100*	46.3	65.1	8 200*	53.8	67.0	10 500*	60.5	68.2	13 600*							23.0
24.0	36.7	62.1	6 500*	42.8	64.1	7 500*	50.7	66.2	9 500*	57.7	67.6	12 200*							24.0
25.0	32.4	60.6	6 000*	39.1	62.8	6 900*	47.5	65.2	8 600*	54.8	66.9	11 000*							25.0
26.0	27.4	58.8	5 500*	35.0	61.4	6 300*	44.1	64.2	7 900*	51.8	66.1	9 900*							26.0
27.0	21.3	56.4	5 100*	30.5	59.8	5 800*	40.5	63.1	7 200*	48.7	65.2	9 000*							27.0
28.0				25.1	57.8	5 400*	36.6	61.7	6 600*	45.4	64.2	8 300*	57.4	66.6	12 200*				28.0
29.0							32.3	60.2	6 100*	41.9	63.1	7 500*	54.5	65.8	11 000*				29.0
30.0							27.3	58.3	5 600*	38.1	61.8	6 900*	51.5	65.0	10 000*				30.0
31.0							21.1	55.9	5 200*	33.9	60.4	6 300*	48.3	64.2	9 100*				31.0
32.0							12.0	52.2	4 800*	29.2	58.7	5 800*	45.0	63.2	8 300*				32.0
33.0										23.5	56.5	5 400*	41.4	62.0	7 500				33.0
34.0													37.6	60.8	6 800	50.8	63.6	6 100	34.0
35.0													33.4	59.3	6 000	47.6	62.7	5 400	35.0
36.0													28.6	57.5	5 300	44.2	61.7	4 700	36.0
37.0													22.8	55.3	4 600	40.6	60.5	4 100	37.0
38.0													14.8	52.1	3 900	36.7	59.2	3 500	38.0
39.0																32.4	57.7	2 900	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

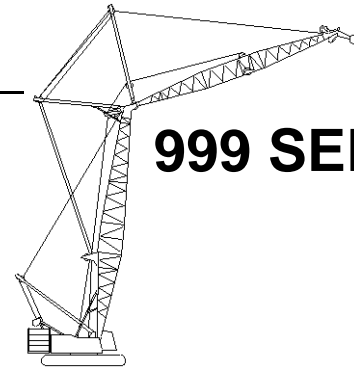
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

45.7m (150 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	74.3	74.3	26 700*													12.2
13.0	72.5	74.0	25 400*													13.0
14.0	70.3	73.6	23 500*													14.0
15.0	68.0	73.2	20 700*													15.0
16.0	65.7	72.8	18 100*	69.3	73.4	22 300*										16.0
17.0	63.3	72.3	16 200*	67.1	72.9	19 600*										17.0
18.0	60.9	71.7	14 600*	64.7	72.5	17 400*										18.0
19.0	58.5	71.1	13 200*	62.4	71.9	15 700*	67.9	72.8	20 800*							19.0
20.0	55.9	70.4	12 000*	59.9	71.4	14 100*	65.6	72.4	18 400*							20.0
21.0	53.3	69.7	10 900*	57.4	70.7	12 800*	63.3	71.9	16 400*							21.0
22.0	50.6	68.8	10 000*	54.9	70.0	11 700*	60.9	71.3	14 800*	66.5	72.2	19 300*				22.0
23.0	47.8	67.9	9 200*	52.2	69.2	10 700*	58.4	70.7	13 400*	64.1	71.7	17 200*				23.0
24.0	44.8	66.9	8 400*	49.5	68.4	9 700*	55.9	70.0	12 200*	61.7	71.1	15 500*				24.0
25.0	41.7	65.8	7 800*	46.6	67.4	8 900*	53.2	69.3	11 100*	59.3	70.5	14 000*				25.0
26.0	38.3	64.6	7 200*	43.5	66.4	8 200*	50.5	68.5	10 200*	56.8	69.9	12 800*				26.0
27.0	34.7	63.1	6 600*	40.3	65.2	7 600*	47.7	67.5	9 400*	54.2	69.2	11 600*				27.0
28.0	30.6	61.5	6 200*	36.9	63.9	7 000*	44.7	66.5	8 600*	51.5	68.4	10 700*	61.5	70.2	12 600	28.0
29.0	26.0	59.5	5 700*	33.1	62.4	6 500*	41.6	65.4	7 900*	48.7	67.5	9 800*	59.0	69.5	11 500	29.0
30.0	20.3	57.0	5 300*	28.8	60.6	6 000*	38.2	64.2	7 300*	45.8	66.5	9 000*	56.5	68.9	10 400	30.0
31.0				23.8	58.5	5 600*	34.5	62.7	6 800*	42.7	65.4	8 300*	53.9	68.2	9 500	31.0
32.0				17.5	55.6	5 200*	30.5	61.1	6 300*	39.4	64.2	7 700*	51.2	67.3	8 600	32.0
33.0							25.8	59.1	5 800*	35.9	62.9	7 100*	48.4	66.5	7 800	33.0
34.0							20.1	56.6	5 400*	32.0	61.3	6 600*	45.5	65.5	7 000	34.0
35.0							11.8	52.7	5 100*	27.6	59.5	6 100*	42.3	64.4	6 300	35.0
36.0										22.4	57.2	5 700*	39.0	63.2	5 600	36.0
37.0													35.5	61.8	5 000	37.0
38.0													31.5	60.2	4 400	38.0
39.0													27.0	58.3	3 800	39.0
40.0													21.7	56.0	3 200	40.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

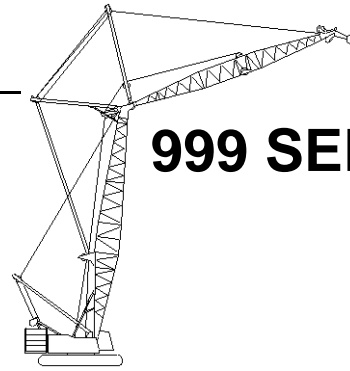
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

45.7m (150 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	75.9	77.4	26 700*													12.2
13.0	74.3	77.2	26 700*													13.0
14.0	72.3	76.9	26 200*													14.0
15.0	70.3	76.5	23 700*													15.0
16.0	68.3	76.1	21 100*	71.5	76.6	24 900*										16.0
17.0	66.2	75.7	19 000*	69.5	76.3	22 500*										17.0
18.0	64.1	75.2	17 200*	67.4	75.8	20 400*										18.0
19.0	62.0	74.7	15 600*	65.4	75.4	18 400*										19.0
20.0	59.8	74.1	14 200*	63.2	74.9	16 600*	68.2	75.7	21 300*							20.0
21.0	57.6	73.4	12 900*	61.1	74.3	15 100*	66.2	75.3	19 300*							21.0
22.0	55.3	72.7	11 800*	58.9	73.7	13 800*	64.1	74.8	17 400*							22.0
23.0	52.9	72.0	10 900*	56.6	73.0	12 600*	61.9	74.3	15 800*	66.9	75.1	20 100*				23.0
24.0	50.4	71.1	10 000*	54.3	72.3	11 600*	59.7	73.7	14 400*	64.8	74.6	18 200*				24.0
25.0	47.9	70.2	9 300*	51.9	71.5	10 700*	57.5	73.0	13 200*	62.7	74.1	16 500*				25.0
26.0	45.2	69.3	8 600*	49.4	70.7	9 900*	55.2	72.3	12 100*	60.5	73.5	15 000*				26.0
27.0	42.5	68.2	8 000*	46.8	69.7	9 100*	52.8	71.6	11 200*	58.3	72.9	13 700*				27.0
28.0	39.5	67.0	7 400*	44.1	68.7	8 400*	50.4	70.7	10 300*	56.0	72.2	12 600*				28.0
29.0	36.4	65.6	6 900*	41.3	67.6	7 800*	47.8	69.8	9 500*	53.7	71.5	11 700*	62.4	73.1	11 600	29.0
30.0	32.9	64.1	6 400*	38.2	66.3	7 300*	45.2	68.9	8 800*	51.3	70.7	10 700*	60.3	72.5	10 600	30.0
31.0	29.1	62.4	5 900*	35.0	64.9	6 800*	42.4	67.8	8 200*	48.8	69.8	9 900*	58.0	71.9	9 700	31.0
32.0	24.8	60.3	5 600*	31.4	63.3	6 300*	39.4	66.6	7 600*	46.1	68.8	9 200*	55.8	71.2	8 800	32.0
33.0	19.5	57.7	5 200*	27.4	61.5	5 900*	36.3	65.2	7 100*	43.4	67.8	8 500*	53.4	70.5	8 000	33.0
34.0				22.8	59.2	5 500*	32.8	63.7	6 600*	40.5	66.6	7 900*	51.0	69.6	7 300	34.0
35.0				16.9	56.2	5 100*	29.0	61.9	6 100*	37.4	65.3	7 400*	48.5	68.8	6 600	35.0
36.0							24.6	59.9	5 700*	34.1	63.9	6 700	45.8	67.8	5 900	36.0
37.0							19.3	57.2	5 400*	30.4	62.2	6 100	43.1	66.7	5 300	37.0
38.0							11.7	53.3	5 100*	26.3	60.3	5 500	40.2	65.6	4 700	38.0
39.0										21.4	57.9	4 800	37.0	64.2	4 100	39.0
40.0													33.7	62.8	3 600	40.0
42.0													25.8	59.1	2 600	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

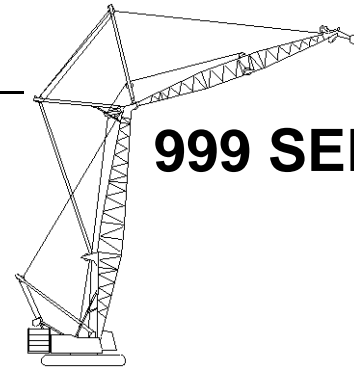
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

45.7m (150 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
13.7	74.5	80.2	25 900*										13.7
14.0	74.0	80.1	25 200*										14.0
15.0	72.2	79.8	22 700*										15.0
16.0	70.4	79.4	20 500*										16.0
17.0	68.5	79.0	18 600*	71.4	79.5	21 800*							17.0
18.0	66.6	78.6	17 000*	69.6	79.1	19 800*							18.0
19.0	64.8	78.1	15 700*	67.8	78.7	18 000*							19.0
20.0	62.8	77.6	14 400*	65.9	78.3	16 500*	70.3	79.0	20 600*				20.0
21.0	60.9	77.0	13 300*	64.0	77.8	15 200*	68.5	78.6	18 700*				21.0
22.0	58.8	76.4	12 300*	62.0	77.2	14 000*	66.6	78.2	17 100*				22.0
23.0	56.8	75.8	11 200*	60.0	76.7	12 900*	64.7	77.7	15 700*				23.0
24.0	54.7	75.0	10 300*	58.0	76.0	11 900*	62.8	77.2	14 400*				24.0
25.0	52.5	74.3	9 500*	55.9	75.4	11 000*	60.8	76.6	13 300*	65.4	77.5	16 300*	25.0
26.0	50.3	73.4	8 700*	53.8	74.6	10 100*	58.8	76.0	12 400*	63.5	77.0	14 900*	26.0
27.0	48.0	72.5	8 000*	51.6	73.8	9 300*	56.7	75.4	11 500*	61.5	76.4	13 800*	27.0
28.0	45.6	71.6	7 400*	49.4	73.0	8 600*	54.6	74.7	10 600*	59.5	75.9	12 800*	28.0
29.0	43.1	70.5	6 800*	47.0	72.1	7 900*	52.5	73.9	9 800*	57.5	75.2	11 800*	29.0
30.0	40.5	69.3	6 300*	44.6	71.0	7 200*	50.2	73.0	9 000*	55.4	74.5	11 000*	30.0
31.0	37.7	68.1	5 800*	42.0	69.9	6 700*	47.9	72.1	8 300*	53.3	73.8	10 200*	31.0
32.0	34.7	66.6	5 300*	39.4	68.7	6 200*	45.5	71.2	7 600*	51.1	73.0	9 400*	32.0
33.0	31.5	65.0	4 900*	36.5	67.4	5 700*	43.0	70.1	7 000*	48.8	72.1	8 700*	33.0
34.0	27.9	63.2	4 600*	33.4	65.9	5 300*	40.4	68.9	6 500*	46.4	71.1	8 000*	34.0
35.0	23.8	61.0	4 200*	30.0	64.2	4 900*	37.6	67.7	6 000*	43.9	70.1	7 400*	35.0
36.0	18.8	58.3	3 900*	26.3	62.3	4 500*	34.6	66.2	5 500*	41.4	69.0	6 800*	36.0
37.0				21.9	59.9	4 200*	31.4	64.6	5 100*	38.6	67.7	6 300	37.0
38.0				16.3	56.8	3 900*	27.8	62.8	4 700*	35.7	66.4	5 700	38.0
39.0							23.6	60.6	4 400*	32.6	64.8	5 100	39.0
40.0							18.6	57.8	4 000*	29.1	63.1	4 500	40.0
42.0										20.6	58.5	3 500	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

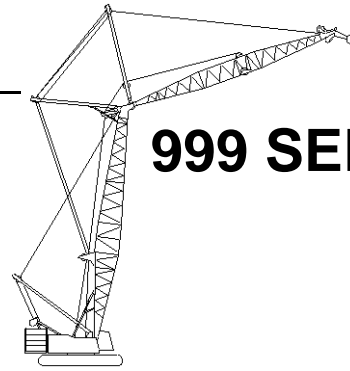
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

45.7m (150 Ft.) Boom, 70.1m (230 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
13.7	75.8	83.3	26 700*										13.7
14.0	75.4	83.3	26 200*										14.0
15.0	73.7	83.0	24 300*										15.0
16.0	72.1	82.6	22 400*										16.0
17.0	70.4	82.3	20 400*	73.1	82.7	23 600*							17.0
18.0	68.7	81.9	18 800*	71.4	82.4	21 600*							18.0
19.0	67.0	81.5	17 300*	69.7	82.0	19 800*							19.0
20.0	65.3	81.0	16 000*	68.0	81.6	18 200*							20.0
21.0	63.5	80.5	14 900*	66.3	81.2	16 800*							21.0
22.0	61.7	80.0	13 800*	64.6	80.7	15 600*	68.7	81.5	18 900*				22.0
23.0	59.9	79.4	12 900*	62.8	80.2	14 500*	67.0	81.1	17 400*				23.0
24.0	58.1	78.7	12 000*	61.0	79.6	13 500*	65.2	80.6	16 100*				24.0
25.0	56.2	78.1	11 200*	59.2	79.0	12 600*	63.5	80.1	14 900*				25.0
26.0	54.2	77.4	10 400*	57.3	78.4	11 800*	61.7	79.6	13 900*	65.9	80.4	16 500	26.0
27.0	52.2	76.6	9 600*	55.4	77.7	11 000*	59.9	79.0	12 900*	64.1	79.9	15 400	27.0
28.0	50.2	75.7	8 900*	53.4	76.9	10 200*	58.0	78.4	12 100*	62.3	79.4	14 200	28.0
29.0	48.1	74.8	8 300*	51.4	76.1	9 400*	56.1	77.7	11 300*	60.5	78.8	13 100	29.0
30.0	45.9	73.9	7 700*	49.3	75.3	8 800*	54.2	77.0	10 600*	58.7	78.2	12 100	30.0
31.0	43.6	72.8	7 100*	47.2	74.4	8 200*	52.2	76.2	9 900*	56.8	77.5	11 100	31.0
32.0	41.3	71.7	6 600*	45.0	73.4	7 600*	50.1	75.3	9 200*	54.9	76.8	10 200	32.0
33.0	38.8	70.5	6 100*	42.7	72.3	7 000*	48.0	74.4	8 500*	52.9	76.1	9 400	33.0
34.0	36.1	69.1	5 700*	40.2	71.1	6 500*	45.8	73.5	7 900*	50.9	75.3	8 600	34.0
35.0	33.3	67.6	5 300*	37.7	69.8	6 100*	43.6	72.4	7 400*	48.8	74.4	7 900	35.0
36.0	30.2	65.9	5 000*	35.0	68.4	5 700*	41.2	71.3	6 900*	46.6	73.5	7 200	36.0
37.0	26.8	64.0	4 600*	32.0	66.8	5 300*	38.7	70.1	6 400*	44.4	72.4	6 600	37.0
38.0	22.9	61.7	4 300*	28.9	65.1	4 900*	36.0	68.7	6 000*	42.1	71.3	6 000	38.0
39.0	18.2	58.9	3 500*	25.3	63.0	4 500*	33.2	67.2	5 600*	39.6	70.1	5 400	39.0
40.0				21.1	60.6	4 100*	30.1	65.5	5 200	37.0	68.8	4 800	40.0
42.0							22.8	61.3	4 300	31.3	65.8	3 800	42.0
44.0										24.3	61.8	2 900	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

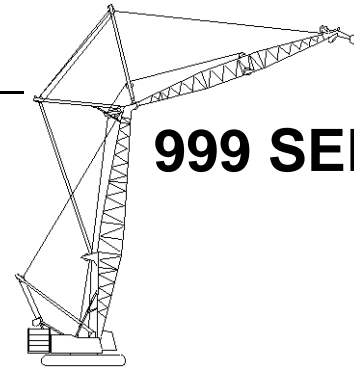
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

45.7m (150 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
15.2	74.7	86.1	22 800*										15.2
16.0	73.5	85.8	21 400*										16.0
17.0	72.0	85.5	19 600*										17.0
18.0	70.4	85.2	18 000*										18.0
19.0	68.9	84.8	16 600*	71.4	85.3	19 000*							19.0
20.0	67.3	84.4	15 300*	69.8	84.9	17 400*							20.0
21.0	65.7	83.9	14 100*	68.2	84.5	16 100*							21.0
22.0	64.1	83.4	13 100*	66.7	84.1	14 800*							22.0
23.0	62.5	82.9	12 200*	65.1	83.6	13 700*	68.8	84.4	16 600*				23.0
24.0	60.8	82.3	11 300*	63.4	83.1	12 700*	67.3	84.0	15 400*				24.0
25.0	59.1	81.7	10 500*	61.8	82.6	11 800*	65.7	83.5	14 200*				25.0
26.0	57.4	81.1	9 800*	60.1	82.0	11 000*	64.1	83.0	13 100*	67.8	83.7	15 800*	26.0
27.0	55.6	80.4	9 200*	58.4	81.4	10 300*	62.4	82.5	12 200*	66.2	83.3	14 600*	27.0
28.0	53.8	79.7	8 500*	56.7	80.7	9 600*	60.8	81.9	11 400*	64.6	82.8	13 500*	28.0
29.0	52.0	78.9	8 000*	54.9	80.0	8 900*	59.1	81.3	10 600*	63.0	82.3	12 600*	29.0
30.0	50.1	78.0	7 500*	53.1	79.2	8 300*	57.3	80.7	9 900*	61.4	81.8	11 700*	30.0
31.0	48.2	77.2	7 000*	51.2	78.4	7 800*	55.6	80.0	9 200*	59.7	81.2	10 900*	31.0
32.0	46.1	76.2	6 500*	49.3	77.6	7 300*	53.8	79.3	8 600*	58.0	80.5	10 200*	32.0
33.0	44.1	75.2	6 100*	47.3	76.7	6 800*	51.9	78.5	8 000*	56.2	79.9	9 400	33.0
34.0	41.9	74.1	5 600*	45.3	75.7	6 400*	50.0	77.6	7 500*	54.4	79.2	8 700	34.0
35.0	39.6	72.9	5 200*	43.2	74.6	6 000*	48.1	76.8	7 000*	52.6	78.4	8 000	35.0
36.0	37.3	71.6	4 800*	41.0	73.5	5 600*	46.1	75.8	6 600*	50.7	77.6	7 300	36.0
37.0	34.7	70.1	4 400*	38.7	72.2	5 200*	44.0	74.8	6 200*	48.8	76.7	6 700	37.0
38.0	32.0	68.6	4 100*	36.2	70.9	4 800*	41.8	73.6	5 800*	46.8	75.8	6 000	38.0
39.0	29.1	66.8	3 700*	33.6	69.4	4 400*	39.6	72.4	5 400*	44.8	74.8	5 500	39.0
40.0	25.8	64.8	3 400*	30.9	67.8	4 000*	37.2	71.1	5 000*	42.6	73.7	4 900	40.0
42.0				24.4	63.8	3 400*	31.9	68.1	4 300*	38.1	71.2	3 900	42.0
44.0							25.7	64.4	3 500	32.9	68.3	3 000	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

48.8m (160 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	52.1	60.3	15 100*																12.2
13.0	46.8	59.6	13 500*																13.0
14.0	39.5	58.4	11 500*	51.4	60.1	15 100*													14.0
15.0	30.5	56.8	10 100*	44.7	59.1	12 900*													15.0
16.0				37.0	57.8	11 100*													16.0
17.0							48.4	59.4	14 200*										17.0
18.0							41.3	58.3	12 200*										18.0
19.0							32.8	56.8	10 500*	51.8	59.5	15 800*b							19.0
20.0										45.1	58.5	13 200*							20.0
21.0										37.5	57.2	11 400*							21.0
22.0																			22.0
23.0													52.7	58.6	16 300*				23.0
24.0													46.1	57.7	13 900*				24.0
25.0													38.6	56.4	11 900*				25.0
26.0																			26.0
27.0																			27.0
28.0																46.4	56.4	14 200*	28.0
29.0																39.0	55.2	12 100*	29.0
30.0																29.8	53.5	10 500*	30.0

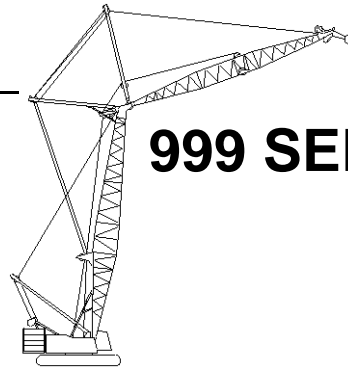
REFERENCE ONLY!



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**



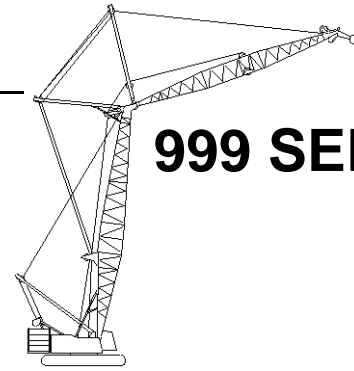
999 SERIES 2

48.8m (160 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	61.1	61.5	16 700*b																10.7
11.0	59.2	61.2	15 800*b																11.0
12.0	53.3	60.5	13 100*																12.0
13.0	46.8	59.6	11 000*	57.5	60.9	15 200*													13.0
14.0	39.5	58.4	9 500*	51.4	60.1	12 500*													14.0
15.0	30.5	56.8	8 300*	44.7	59.1	10 600*													15.0
16.0				37.0	57.8	9 100*	54.8	60.3	14 100*										16.0
17.0							48.4	59.4	11 700*										17.0
18.0							41.3	58.3	10 000*										18.0
19.0							32.8	56.8	8 700*	51.8	59.5	13 100*							19.0
20.0										45.1	58.5	10 900*							20.0
21.0										37.5	57.2	9 400*							21.0
22.0													58.7	59.4	16 700*b				22.0
23.0													52.7	58.6	13 500*				23.0
24.0													46.1	57.7	11 300*				24.0
25.0													38.6	56.4	9 800*				25.0
26.0																			26.0
27.0																			27.0
28.0																46.4	56.4	11 800*	28.0
29.0																39.0	55.2	10 000*	29.0
30.0																29.8	53.5	8 600*	30.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

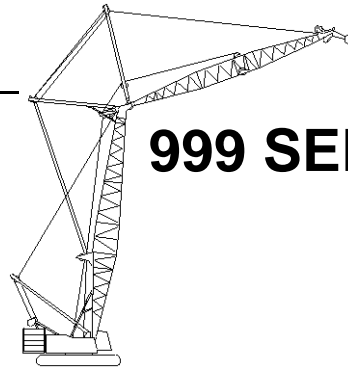
48.8m (160 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	61.1	61.5	14 800*																10.7
11.0	59.2	61.2	14 000*																11.0
12.0	53.3	60.5	11 500*																12.0
13.0	46.8	59.6	9 600*	57.5	60.9	13 400*													13.0
14.0	39.5	58.4	8 300*	51.4	60.1	10 900*													14.0
15.0	30.5	56.8	7 200*	44.7	59.1	9 300*													15.0
16.0				37.0	57.8	8 000*	54.8	60.3	12 400*										16.0
17.0							48.4	59.4	10 200*	63.5	60.9	17 200*b							17.0
18.0							41.3	58.3	8 700*	57.8	60.3	13 900*							18.0
19.0							32.8	56.8	7 500*	51.8	59.5	11 200*							19.0
20.0										45.1	58.5	9 600*							20.0
21.0										37.5	57.2	8 200*							21.0
22.0													58.7	59.4	14 700*				22.0
23.0													52.7	58.6	11 800*				23.0
24.0													46.1	57.7	9 900*				24.0
25.0													38.6	56.4	8 500*				25.0
26.0																			26.0
27.0																			27.0
28.0																46.4	56.4	10 300*	28.0
29.0																39.0	55.2	8 700*	29.0
30.0																29.8	53.5	7 500*	30.0

REFERENCE ONLY!



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

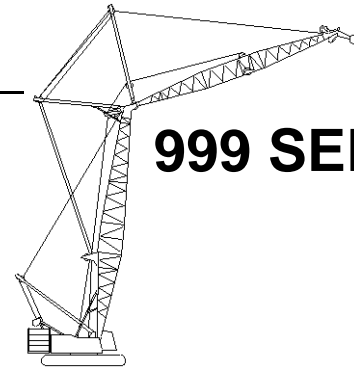
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

48.8m (160 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	67.4	64.9	21 500*																10.7
11.0	66.0	64.8	20 400*																11.0
12.0	61.7	64.2	16 800*																12.0
13.0	57.2	63.6	14 000*	64.8	64.5	19 500*													13.0
14.0	52.4	62.8	12 100*	60.4	63.9	15 900*													14.0
15.0	47.3	61.9	10 600*	55.8	63.2	13 500*													15.0
16.0	41.6	60.8	9 300*	50.9	62.4	11 700*	62.8	64.0	18 100*										16.0
17.0	35.2	59.4	8 200*	45.7	61.4	10 200*	58.3	63.3	15 000*										17.0
18.0	27.3	57.6	7 300*	39.8	60.3	9 000*	53.6	62.6	12 800*										18.0
19.0				33.0	58.8	8 000*	48.6	61.7	11 100*	60.7	63.3	16 800*							19.0
20.0							43.0	60.7	9 700*	56.1	62.6	14 000*							20.0
21.0							36.8	59.3	8 600*	51.2	61.8	12 000*							21.0
22.0							29.4	57.7	7 600*	46.0	60.8	10 500*							22.0
23.0										40.2	59.6	9 300*	61.3	62.4	17 400*				23.0
24.0										33.4	58.2	8 200*	56.7	61.7	14 800*				24.0
25.0													51.9	60.9	12 500*				25.0
26.0													46.7	60.0	10 900*				26.0
27.0													41.0	58.8	9 600*				27.0
28.0													34.5	57.4	8 500*				28.0
29.0																52.1	59.6	12 800*	29.0
30.0																47.0	58.7	11 200*	30.0
31.0																41.3	57.6	9 700*	31.0
32.0																34.7	56.2	8 600*	32.0
33.0																26.8	54.3	7 600*	33.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

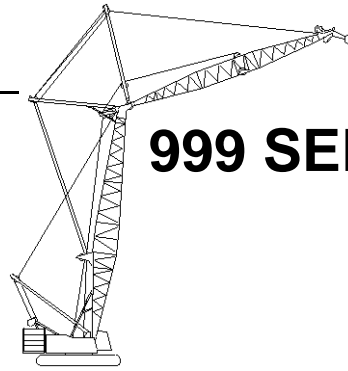
48.8m (160 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	61.1	61.5	13 700*																10.7
11.0	59.2	61.2	13 000*																11.0
12.0	53.3	60.5	10 800*																12.0
13.0	46.8	59.6	9 000*	57.5	60.9	12 500*													13.0
14.0	39.5	58.4	7 800*	51.4	60.1	10 200*	66.0	61.6	17 500*										14.0
15.0	30.5	56.8	6 800*	44.7	59.1	8 700*	60.6	61.0	13 900*										15.0
16.0				37.0	57.8	7 500*	54.8	60.3	11 200*										16.0
17.0							48.4	59.4	9 500*	63.5	60.9	15 700*							17.0
18.0							41.3	58.3	8 200*	57.8	60.3	12 800*							18.0
19.0							32.8	56.8	7 100*	51.8	59.5	10 400*							19.0
20.0										45.1	58.5	8 900*							20.0
21.0										37.5	57.2	7 700*							21.0
22.0													58.7	59.4	13 400*				22.0
23.0													52.7	58.6	10 900*				23.0
24.0													46.1	57.7	9 200*				24.0
25.0													38.6	56.4	7 900*				25.0
26.0																			26.0
27.0																			27.0
28.0																46.4	56.4	9 500*	28.0
29.0																39.0	55.2	8 100*	29.0
30.0																29.8	53.5	7 000*	30.0

REFERENCE ONLY!



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

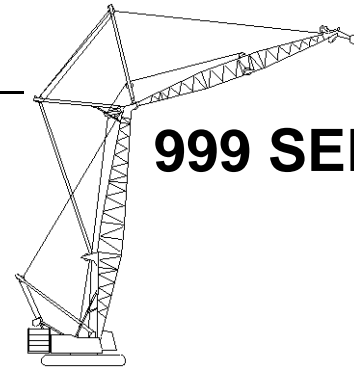
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

48.8m (160 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	67.4	64.9	19 100*																10.7
11.0	66.0	64.8	18 100*																11.0
12.0	61.7	64.2	15 000*																12.0
13.0	57.2	63.6	12 500*	64.8	64.5	17 300*													13.0
14.0	52.4	62.8	10 800*	60.4	63.9	14 200*													14.0
15.0	47.3	61.9	9 400*	55.8	63.2	12 000*													15.0
16.0	41.6	60.8	8 200*	50.9	62.4	10 400*	62.8	64.0	16 000*										16.0
17.0	35.2	59.4	7 300*	45.7	61.4	9 100*	58.3	63.3	13 200*										17.0
18.0	27.3	57.6	6 500*	39.8	60.3	8 000*	53.6	62.6	11 300*										18.0
19.0				33.0	58.8	7 100*	48.6	61.7	9 900*	60.7	63.3	14 800*							19.0
20.0							43.0	60.7	8 600*	56.1	62.6	12 400*							20.0
21.0							36.8	59.3	7 600*	51.2	61.8	10 700*							21.0
22.0							29.4	57.7	6 800*	46.0	60.8	9 300*							22.0
23.0										40.2	59.6	8 200*	61.3	62.4	15 200*				23.0
24.0										33.4	58.2	7 200*	56.7	61.7	13 000*				24.0
25.0													51.9	60.9	11 000*				25.0
26.0													46.7	60.0	9 600*				26.0
27.0													41.0	58.8	8 400*				27.0
28.0													34.5	57.4	7 500*				28.0
29.0																52.1	59.6	11 200*	29.0
30.0																47.0	58.7	9 800*	30.0
31.0																41.3	57.6	8 600*	31.0
32.0																34.7	56.2	7 600*	32.0
33.0																26.8	54.3	6 700*	33.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

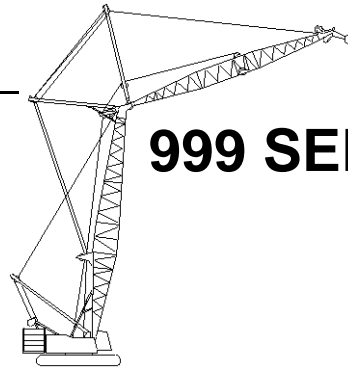
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

48.8m (160 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	71.4	68.2	24 400*																10.7
11.0	70.3	68.1	23 000*																11.0
12.0	66.9	67.7	19 000*																12.0
13.0	63.3	67.1	15 900*	69.3	67.9	22 000*													13.0
14.0	59.7	66.6	13 800*	65.8	67.4	18 000*													14.0
15.0	55.9	65.9	12 000*	62.3	66.9	15 300*													15.0
16.0	51.9	65.1	10 600*	58.6	66.2	13 300*	67.7	67.4	20 400*										16.0
17.0	47.6	64.2	9 400*	54.7	65.5	11 600*	64.2	66.9	16 900*										17.0
18.0	43.0	63.1	8 400*	50.6	64.7	10 300*	60.6	66.3	14 500*										18.0
19.0	37.9	61.9	7 500*	46.3	63.8	9 100*	56.8	65.7	12 600*										19.0
20.0	32.1	60.3	6 800*	41.5	62.6	8 200*	52.8	64.9	11 100*	62.5	66.2	15 900*							20.0
21.0	25.1	58.3	6 100*	36.3	61.3	7 300*	48.6	64.0	9 800*	58.8	65.6	13 700*							21.0
22.0				30.2	59.7	6 600*	44.1	63.0	8 700*	54.9	64.9	11 900*							22.0
23.0							39.2	61.8	7 800*	50.8	64.1	10 500*							23.0
24.0							33.6	60.3	7 000*	46.5	63.1	9 300*							24.0
25.0							26.9	58.5	6 300*	41.8	62.0	8 300*	59.3	64.7	14 200*				25.0
26.0										36.6	60.7	7 500*	55.5	64.0	12 300*				26.0
27.0										30.6	59.1	6 700*	51.4	63.2	10 800*				27.0
28.0													47.1	62.3	9 600*				28.0
29.0													42.5	61.2	8 600*				29.0
30.0													37.4	59.9	7 700*				30.0
31.0													31.5	58.3	6 900*	51.6	61.9	10 600	31.0
32.0													24.2	56.3	6 300*	47.3	61.0	9 800	32.0
33.0																42.7	59.9	8 800*	33.0
34.0																37.6	58.6	7 800*	34.0
35.0																31.7	57.1	7 000*	35.0
36.0																24.6	55.0	6 300*	36.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

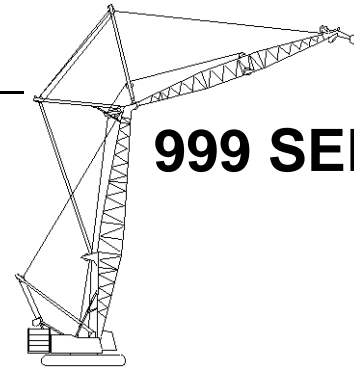
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

48.8m (160 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	74.2	71.4	26 700*																10.7
11.0	73.3	71.3	26 100*																11.0
12.0	70.4	71.0	24 300*																12.0
13.0	67.5	70.5	21 500*																13.0
14.0	64.5	70.1	18 000*	69.5	70.7	23 800*													14.0
15.0	61.4	69.5	15 800*	66.6	70.3	20 300*													15.0
16.0	58.2	68.9	13 900*	63.5	69.8	17 400*													16.0
17.0	54.9	68.2	12 300*	60.4	69.2	15 300*	68.2	70.3	22 300*										17.0
18.0	51.4	67.4	11 100*	57.2	68.6	13 500*	65.2	69.8	19 200*										18.0
19.0	47.8	66.5	10 000*	53.9	67.8	12 000*	62.1	69.3	16 500*										19.0
20.0	43.9	65.5	9 000*	50.4	67.0	10 800*	59.0	68.7	14 600*	66.7	69.6	20 800*							20.0
21.0	39.7	64.3	8 100*	46.7	66.1	9 700*	55.7	68.0	12 900*	63.7	69.1	18 000*							21.0
22.0	35.1	62.9	7 400*	42.7	65.0	8 800*	52.3	67.2	11 500*	60.6	68.6	15 600*							22.0
23.0	29.8	61.2	6 800*	38.4	63.8	8 000*	48.7	66.3	10 400*	57.4	67.9	13 900*							23.0
24.0	23.4	59.0	6 200*	33.6	62.3	7 200*	44.9	65.3	9 400*	54.1	67.2	12 300*							24.0
25.0				28.0	60.5	6 600*	40.8	64.2	8 500*	50.6	66.4	11 100*							25.0
26.0							36.2	62.8	7 700*	46.9	65.4	10 000*	61.1	67.7	16 200*				26.0
27.0							31.1	61.2	7 000*	42.9	64.4	9 000*	57.9	67.0	14 300*				27.0
28.0							25.1	59.2	6 400*	38.7	63.1	8 100*	54.5	66.3	12 700*				28.0
29.0										33.9	61.7	7 400*	51.1	65.5	11 400*				29.0
30.0										28.4	59.9	6 800*	47.4	64.6	10 200*				30.0
31.0													43.5	63.6	9 200*				31.0
32.0													39.3	62.3	8 400*	54.7	65.0	9 800	32.0
33.0													34.6	60.9	7 600*	51.2	64.2	9 100	33.0
34.0													29.2	59.2	6 900*	47.6	63.3	8 400	34.0
35.0													22.6	57.0	6 300*	43.7	62.3	7 700	35.0
36.0																39.5	61.1	7 100	36.0
37.0																34.8	59.7	6 500	37.0
38.0																29.5	57.9	5 900	38.0
39.0																22.9	55.7	5 300	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

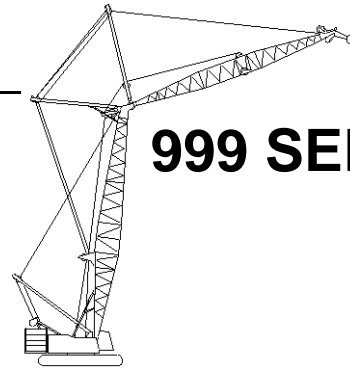
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

48.8m (160 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	72.5	74.1	26 700*																12.2
13.0	70.4	73.8	24 600*																13.0
14.0	67.9	73.4	22 100*	72.2	74.0	26 100*													14.0
15.0	65.3	73.0	19 300*	69.7	73.6	24 000*													15.0
16.0	62.6	72.5	17 000*	67.1	73.2	21 500*													16.0
17.0	59.9	71.9	15 100*	64.5	72.7	18 600*													17.0
18.0	57.1	71.2	13 600*	61.8	72.2	16 500*													18.0
19.0	54.2	70.5	12 300*	59.1	71.6	14 800*	65.9	72.7	20 300*										19.0
20.0	51.1	69.7	11 100*	56.2	70.9	13 300*	63.3	72.2	17 800*										20.0
21.0	48.0	68.8	10 100*	53.3	70.1	12 000*	60.6	71.6	15 800*										21.0
22.0	44.6	67.8	9 300*	50.2	69.3	10 900*	57.8	71.0	14 200*	64.7	72.0	19 200*							22.0
23.0	41.0	66.6	8 500*	47.0	68.4	9 900*	54.9	70.3	12 800*	62.0	71.5	17 000*							23.0
24.0	37.2	65.3	7 800*	43.6	67.3	9 100*	51.9	69.5	11 600*	59.2	70.9	15 200*							24.0
25.0	32.9	63.8	7 200*	39.9	66.2	8 300*	48.7	68.6	10 600*	56.4	70.2	13 600*							25.0
26.0	28.0	62.0	6 600*	35.9	64.8	7 600*	45.4	67.6	9 600*	53.4	69.5	12 300*							26.0
27.0	22.1	59.7	6 100*	31.5	63.2	7 000*	41.9	66.5	8 800*	50.4	68.7	11 200*							27.0
28.0				26.3	61.3	6 500*	38.1	65.3	8 100*	47.2	67.7	10 200*	59.6	70.0	15 000				28.0
29.0							33.9	63.8	7 500*	43.8	66.7	9 300*	56.8	69.4	14 000				29.0
30.0							29.2	62.1	6 900*	40.1	65.5	8 600*	53.9	68.6	12 700				30.0
31.0							23.6	59.9	6 300*	36.2	64.2	7 900*	50.8	67.8	11 500*				31.0
32.0							16.1	56.9	5 800*	31.8	62.6	7 300*	47.6	66.9	10 500*				32.0
33.0										26.7	60.7	6 700*	44.2	65.9	9 600*				33.0
34.0													40.6	64.7	8 800*	54.0	67.3	8 600	34.0
35.0													36.7	63.4	8 100*	50.9	66.5	8 000	35.0
36.0													32.4	61.9	7 400*	47.8	65.6	7 400	36.0
37.0													27.4	60.0	6 900*	44.4	64.6	6 800	37.0
38.0													21.4	57.6	6 400*	40.8	63.4	6 200	38.0
39.0																36.9	62.1	5 700	39.0
40.0																32.6	60.6	5 200	40.0
42.0																21.6	56.4	4 300	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

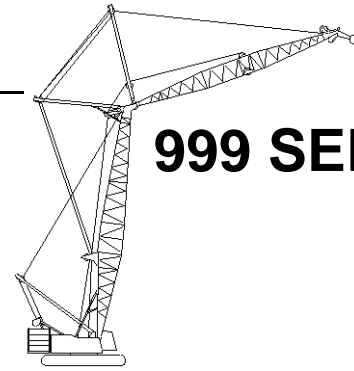
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

48.8m (160 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	74.5	77.3	26 700*																12.2
13.0	72.7	77.1	26 700*																13.0
14.0	70.5	76.7	26 100*																14.0
15.0	68.2	76.3	23 900*																15.0
16.0	65.9	75.9	21 700*	69.8	76.5	25 400*													16.0
17.0	63.6	75.4	19 400*	67.5	76.1	23 600*													17.0
18.0	61.2	74.8	17 600*	65.2	75.6	21 200*													18.0
19.0	58.7	74.2	15 900*	62.9	75.1	19 000*	68.8	76.0	25 000*										19.0
20.0	56.2	73.5	14 500*	60.5	74.5	17 200*	66.5	75.6	22 700*										20.0
21.0	53.6	72.8	13 200*	58.0	73.9	15 600*	64.1	75.1	20 400*										21.0
22.0	50.9	72.0	12 100*	55.4	73.2	14 200*	61.8	74.6	18 400*										22.0
23.0	48.1	71.1	11 100*	52.8	72.4	13 000*	59.3	74.0	16 600*	65.4	75.0	21 800*							23.0
24.0	45.1	70.1	10 200*	50.1	71.6	11 900*	56.8	73.3	15 100*	63.0	74.4	19 600*							24.0
25.0	42.0	69.0	9 400*	47.2	70.7	10 900*	54.2	72.6	13 800*	60.6	73.9	17 600*							25.0
26.0	38.7	67.8	8 700*	44.2	69.7	10 100*	51.5	71.8	12 600*	58.1	73.2	16 000*							26.0
27.0	35.1	66.4	8 100*	41.0	68.5	9 300*	48.8	70.9	11 600*	55.6	72.6	14 600*							27.0
28.0	31.1	64.7	7 500*	37.6	67.2	8 600*	45.8	69.9	10 700*	52.9	71.8	13 400*							28.0
29.0	26.5	62.8	7 000*	33.9	65.8	8 000*	42.8	68.9	9 800*	50.2	71.0	12 200*	60.9	73.0	13 900				29.0
30.0	21.0	60.4	6 500*	29.8	64.1	7 400*	39.5	67.7	9 100*	47.4	70.1	11 300*	58.5	72.4	13 000				30.0
31.0				25.0	62.0	6 900*	35.9	66.3	8 500*	44.4	69.0	10 400*	55.9	71.7	12 100				31.0
32.0				19.0	59.4	6 400*	32.0	64.8	7 800*	41.2	67.9	9 600*	53.3	70.9	11 300				32.0
33.0							27.7	62.9	7 300*	37.8	66.6	8 900*	50.6	70.1	10 500				33.0
34.0							22.4	60.6	6 700*	34.1	65.2	8 200*	47.8	69.2	9 800				34.0
35.0							15.5	57.5	6 300*	30.0	63.5	7 600*	44.8	68.2	9 100				35.0
36.0										25.3	61.5	7 100*	41.7	67.1	8 500	53.4	69.6	7 300	36.0
37.0													38.3	65.8	7 900	50.7	68.8	6 700	37.0
38.0													34.7	64.4	7 300	47.9	67.9	6 200	38.0
39.0													30.6	62.8	6 700	44.9	66.9	5 700	39.0
40.0													26.0	60.8	6 200	41.8	65.8	5 200	40.0
42.0																34.8	63.1	4 300	42.0
44.0																26.2	59.6	3 500	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

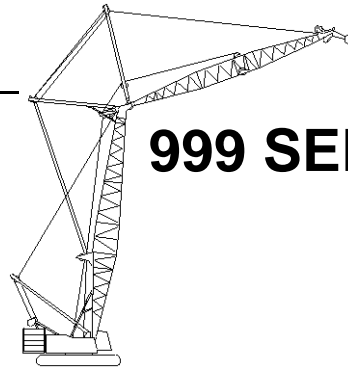
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

48.8m (160 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	72.5	74.1	26 600*																12.2
13.0	70.4	73.8	23 700*																13.0
14.0	67.9	73.4	20 200*	72.2	74.0	25 800*													14.0
15.0	65.3	73.0	17 700*	69.7	73.6	22 500*													15.0
16.0	62.6	72.5	15 700*	67.1	73.2	19 600*													16.0
17.0	59.9	71.9	14 000*	64.5	72.7	17 200*													17.0
18.0	57.1	71.2	12 600*	61.8	72.2	15 300*													18.0
19.0	54.2	70.5	11 300*	59.1	71.6	13 600*	65.9	72.7	18 700*										19.0
20.0	51.1	69.7	10 200*	56.2	70.9	12 300*	63.3	72.2	16 400*										20.0
21.0	48.0	68.8	9 300*	53.3	70.1	11 100*	60.6	71.6	14 600*										21.0
22.0	44.6	67.8	8 500*	50.2	69.3	10 000*	57.8	71.0	13 100*	64.7	72.0	17 700*							22.0
23.0	41.0	66.6	7 800*	47.0	68.4	9 200*	54.9	70.3	11 800*	62.0	71.5	15 700*							23.0
24.0	37.2	65.3	7 200*	43.6	67.3	8 400*	51.9	69.5	10 700*	59.2	70.9	14 000*							24.0
25.0	32.9	63.8	6 600*	39.9	66.2	7 600*	48.7	68.6	9 700*	56.4	70.2	12 600*							25.0
26.0	28.0	62.0	6 100*	35.9	64.8	7 000*	45.4	67.6	8 900*	53.4	69.5	11 400*							26.0
27.0	22.1	59.7	5 600*	31.5	63.2	6 500*	41.9	66.5	8 100*	50.4	68.7	10 300*							27.0
28.0				26.3	61.3	6 000*	38.1	65.3	7 500*	47.2	67.7	9 400*	59.6	70.0	13 600				28.0
29.0							33.9	63.8	6 900*	43.8	66.7	8 600*	56.8	69.4	12 500				29.0
30.0							29.2	62.1	6 300*	40.1	65.5	7 900*	53.9	68.6	11 500				30.0
31.0							23.6	59.9	5 800*	36.2	64.2	7 200*	50.8	67.8	10 500				31.0
32.0							16.1	56.9	5 400*	31.8	62.6	6 700*	47.6	66.9	9 700				32.0
33.0										26.7	60.7	6 100*	44.2	65.9	8 800*				33.0
34.0													40.6	64.7	8 100	54.0	67.3	7 200	34.0
35.0													36.7	63.4	7 400	50.9	66.5	6 500	35.0
36.0													32.4	61.9	6 700	47.8	65.6	5 900	36.0
37.0													27.4	60.0	6 100	44.4	64.6	5 300	37.0
38.0													21.4	57.6	5 500	40.8	63.4	4 700	38.0
39.0																36.9	62.1	4 200	39.0
40.0																32.6	60.6	3 700	40.0
42.0																21.6	56.4	2 600	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

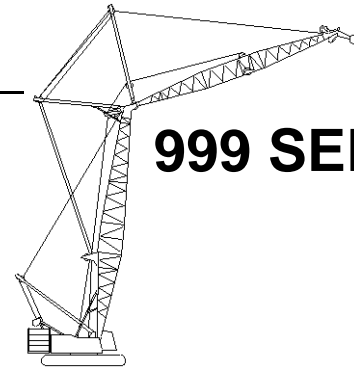
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

48.8m (160 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	74.5	77.3	26 700*																12.2
13.0	72.7	77.1	26 700*																13.0
14.0	70.5	76.7	25 800*																14.0
15.0	68.2	76.3	22 700*																15.0
16.0	65.9	75.9	20 000*	69.8	76.5	24 700*													16.0
17.0	63.6	75.4	17 900*	67.5	76.1	22 000*													17.0
18.0	61.2	74.8	16 100*	65.2	75.6	19 600*													18.0
19.0	58.7	74.2	14 600*	62.9	75.1	17 500*	68.8	76.0	23 700*										19.0
20.0	56.2	73.5	13 200*	60.5	74.5	15 700*	66.5	75.6	20 900*										20.0
21.0	53.6	72.8	12 100*	58.0	73.9	14 300*	64.1	75.1	18 700*										21.0
22.0	50.9	72.0	11 000*	55.4	73.2	13 000*	61.8	74.6	16 800*										22.0
23.0	48.1	71.1	10 100*	52.8	72.4	11 900*	59.3	74.0	15 200*	65.4	75.0	19 900*							23.0
24.0	45.1	70.1	9 300*	50.1	71.6	10 900*	56.8	73.3	13 800*	63.0	74.4	18 000*							24.0
25.0	42.0	69.0	8 600*	47.2	70.7	10 000*	54.2	72.6	12 600*	60.6	73.9	16 100*							25.0
26.0	38.7	67.8	7 900*	44.2	69.7	9 200*	51.5	71.8	11 500*	58.1	73.2	14 700*							26.0
27.0	35.1	66.4	7 300*	41.0	68.5	8 500*	48.8	70.9	10 600*	55.6	72.6	13 300*							27.0
28.0	31.1	64.7	6 800*	37.6	67.2	7 800*	45.8	69.9	9 700*	52.9	71.8	12 200*							28.0
29.0	26.5	62.8	6 300*	33.9	65.8	7 200*	42.8	68.9	9 000*	50.2	71.0	11 200*	60.9	73.0	12 500				29.0
30.0	21.0	60.4	5 900*	29.8	64.1	6 700*	39.5	67.7	8 300*	47.4	70.1	10 300*	58.5	72.4	11 600				30.0
31.0				25.0	62.0	6 200*	35.9	66.3	7 700*	44.4	69.0	9 500*	55.9	71.7	10 600				31.0
32.0				19.0	59.4	5 800*	32.0	64.8	7 100*	41.2	67.9	8 800*	53.3	70.9	9 800				32.0
33.0							27.7	62.9	6 600*	37.8	66.6	8 100*	50.6	70.1	9 000				33.0
34.0							22.4	60.6	6 100*	34.1	65.2	7 500*	47.8	69.2	8 300				34.0
35.0							15.5	57.5	5 700*	30.0	63.5	7 000*	44.8	68.2	7 600				35.0
36.0										25.3	61.5	6 500*	41.7	67.1	6 900	53.4	69.6	5 900	36.0
37.0													38.3	65.8	6 300	50.7	68.8	5 300	37.0
38.0													34.7	64.4	5 700	47.9	67.9	4 800	38.0
39.0													30.6	62.8	5 200	44.9	66.9	4 200	39.0
40.0													26.0	60.8	4 600	41.8	65.8	3 800	40.0
42.0																34.8	63.1	2 800	42.0
44.0																26.2	59.6	2 000	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

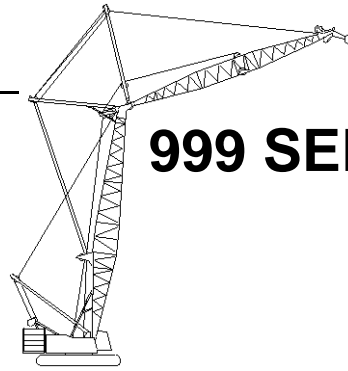
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

48.8m (160 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	72.5	74.1	24 600*													12.2
13.0	70.4	73.8	21 900*													13.0
14.0	67.9	73.4	18 700*	72.2	74.0	24 500*										14.0
15.0	65.3	73.0	16 400*	69.7	73.6	21 000*										15.0
16.0	62.6	72.5	14 500*	67.1	73.2	18 100*										16.0
17.0	59.9	71.9	12 900*	64.5	72.7	15 900*										17.0
18.0	57.1	71.2	11 600*	61.8	72.2	14 100*										18.0
19.0	54.2	70.5	10 400*	59.1	71.6	12 600*	65.9	72.7	17 300*							19.0
20.0	51.1	69.7	9 400*	56.2	70.9	11 300*	63.3	72.2	15 200*							20.0
21.0	48.0	68.8	8 600*	53.3	70.1	10 200*	60.6	71.6	13 500*							21.0
22.0	44.6	67.8	7 800*	50.2	69.3	9 300*	57.8	71.0	12 100*	64.7	72.0	16 400*				22.0
23.0	41.0	66.6	7 200*	47.0	68.4	8 400*	54.9	70.3	10 900*	62.0	71.5	14 500*				23.0
24.0	37.2	65.3	6 600*	43.6	67.3	7 700*	51.9	69.5	9 900*	59.2	70.9	12 900*				24.0
25.0	32.9	63.8	6 000*	39.9	66.2	7 000*	48.7	68.6	9 000*	56.4	70.2	11 600*				25.0
26.0	28.0	62.0	5 500*	35.9	64.8	6 500*	45.4	67.6	8 200*	53.4	69.5	10 500*				26.0
27.0	22.1	59.7	5 100*	31.5	63.2	5 900*	41.9	66.5	7 500*	50.4	68.7	9 500*				27.0
28.0				26.3	61.3	5 500*	38.1	65.3	6 900*	47.2	67.7	8 700*	59.6	70.0	12 200	28.0
29.0							33.9	63.8	6 300*	43.8	66.7	7 900*	56.8	69.4	11 100	29.0
30.0							29.2	62.1	5 800*	40.1	65.5	7 300*	53.9	68.6	10 100	30.0
31.0							23.6	59.9	5 300*	36.2	64.2	6 700*	50.8	67.8	9 100	31.0
32.0							16.1	56.9	4 900*	31.8	62.6	6 100*	47.6	66.9	8 200	32.0
33.0										26.7	60.7	5 600*	44.2	65.9	7 400	33.0
34.0													40.6	64.7	6 600	34.0
35.0													36.7	63.4	5 900	35.0
36.0													32.4	61.9	5 200	36.0
37.0													27.4	60.0	4 500	37.0
38.0													21.4	57.6	3 800	38.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

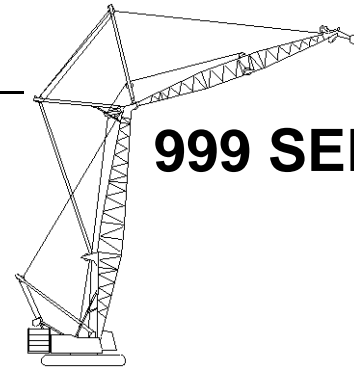
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

48.8m (160 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	74.5	77.3	26 700*													12.2
13.0	72.7	77.1	25 600*													13.0
14.0	70.5	76.7	23 900*													14.0
15.0	68.2	76.3	21 000*													15.0
16.0	65.9	75.9	18 400*	69.8	76.5	23 000*										16.0
17.0	63.6	75.4	16 500*	67.5	76.1	20 200*										17.0
18.0	61.2	74.8	14 800*	65.2	75.6	17 900*										18.0
19.0	58.7	74.2	13 400*	62.9	75.1	16 000*	68.8	76.0	21 900*							19.0
20.0	56.2	73.5	12 100*	60.5	74.5	14 500*	66.5	75.6	19 200*							20.0
21.0	53.6	72.8	11 000*	58.0	73.9	13 100*	64.1	75.1	17 200*							21.0
22.0	50.9	72.0	10 100*	55.4	73.2	11 900*	61.8	74.6	15 500*							22.0
23.0	48.1	71.1	9 300*	52.8	72.4	10 900*	59.3	74.0	14 000*	65.4	75.0	18 400*				23.0
24.0	45.1	70.1	8 500*	50.1	71.6	9 900*	56.8	73.3	12 700*	63.0	74.4	16 500*				24.0
25.0	42.0	69.0	7 800*	47.2	70.7	9 100*	54.2	72.6	11 600*	60.6	73.9	14 900*				25.0
26.0	38.7	67.8	7 200*	44.2	69.7	8 400*	51.5	71.8	10 600*	58.1	73.2	13 500*				26.0
27.0	35.1	66.4	6 700*	41.0	68.5	7 700*	48.8	70.9	9 700*	55.6	72.6	12 300*				27.0
28.0	31.1	64.7	6 200*	37.6	67.2	7 100*	45.8	69.9	8 900*	52.9	71.8	11 200*				28.0
29.0	26.5	62.8	5 700*	33.9	65.8	6 600*	42.8	68.9	8 200*	50.2	71.0	10 300*	60.9	73.0	11 200	29.0
30.0	21.0	60.4	5 300*	29.8	64.1	6 100*	39.5	67.7	7 600*	47.4	70.1	9 400*	58.5	72.4	10 200	30.0
31.0				25.0	62.0	5 700*	35.9	66.3	7 000*	44.4	69.0	8 700*	55.9	71.7	9 300	31.0
32.0				19.0	59.4	5 300*	32.0	64.8	6 500*	41.2	67.9	8 000*	53.3	70.9	8 400	32.0
33.0							27.7	62.9	6 000*	37.8	66.6	7 400*	50.6	70.1	7 600	33.0
34.0							22.4	60.6	5 600*	34.1	65.2	6 900*	47.8	69.2	6 900	34.0
35.0							15.5	57.5	5 200*	30.0	63.5	6 400*	44.8	68.2	6 100	35.0
36.0										25.3	61.5	5 900*	41.7	67.1	5 400	36.0
37.0													38.3	65.8	4 800	37.0
38.0													34.7	64.4	4 200	38.0
39.0													30.6	62.8	3 600	39.0
40.0													26.0	60.8	3 100	40.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

48.8m (160 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib

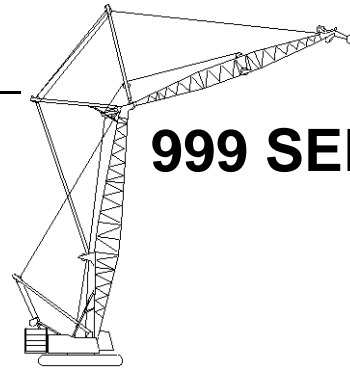
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
13.7	73.1	80.1	26 700*													13.7
14.0	72.5	80.0	26 000*													14.0
15.0	70.5	79.6	23 700*													15.0
16.0	68.5	79.2	21 400*	71.9	79.8	25 200*										16.0
17.0	66.4	78.8	19 300*	69.9	79.4	23 100*										17.0
18.0	64.3	78.3	17 400*	67.9	79.0	20 900*										18.0
19.0	62.2	77.8	15 700*	65.8	78.5	18 800*										19.0
20.0	60.0	77.2	14 300*	63.7	78.0	17 000*	69.0	78.9	22 100*							20.0
21.0	57.8	76.5	13 100*	61.6	77.5	15 400*	66.9	78.5	20 100*							21.0
22.0	55.5	75.9	12 000*	59.4	76.9	14 100*	64.8	78.0	18 100*							22.0
23.0	53.1	75.1	11 000*	57.1	76.2	12 900*	62.7	77.5	16 400*							23.0
24.0	50.7	74.3	10 100*	54.8	75.5	11 800*	60.5	76.9	15 000*							24.0
25.0	48.2	73.4	9 400*	52.4	74.8	10 900*	58.3	76.3	13 700*	63.8	77.4	17 400*				25.0
26.0	45.5	72.4	8 600*	49.9	73.9	10 000*	56.0	75.6	12 600*	61.7	76.8	15 800*				26.0
27.0	42.8	71.3	8 000*	47.4	73.0	9 300*	53.7	74.9	11 500*	59.5	76.2	14 500*				27.0
28.0	39.8	70.1	7 400*	44.7	72.0	8 500*	51.3	74.1	10 600*	57.2	75.6	13 300*				28.0
29.0	36.7	68.8	6 900*	41.9	70.9	8 000*	48.8	73.2	9 800*	54.9	74.9	12 200*				29.0
30.0	33.3	67.3	6 400*	38.9	69.7	7 400*	46.2	72.3	9 100*	52.6	74.1	11 200*				30.0
31.0	29.6	65.6	6 000*	35.7	68.3	6 900*	43.4	71.2	8 400*	50.1	73.3	10 400*	59.8	75.3	9 400	31.0
32.0	25.3	63.6	5 600*	32.2	66.7	6 400*	40.5	70.0	7 800*	47.5	72.4	9 600*	57.6	74.7	8 600	32.0
33.0	20.1	61.0	5 200*	28.3	64.9	5 900*	37.5	68.8	7 300*	44.9	71.4	8 800	55.3	74.0	7 800	33.0
34.0				23.8	62.8	5 500*	34.1	67.3	6 800*	42.1	70.3	8 100	52.9	73.2	7 000	34.0
35.0				18.3	60.0	5 200*	30.5	65.6	6 300*	39.1	69.0	7 300	50.4	72.4	6 300	35.0
36.0							26.4	63.7	5 900*	35.9	67.7	6 600	47.9	71.5	5 700	36.0
37.0							21.5	61.3	5 500*	32.4	66.1	6 000	45.3	70.5	5 100	37.0
38.0							15.0	58.0	5 200*	28.6	64.3	5 300	42.5	69.4	4 500	38.0
39.0										24.1	62.2	4 700	39.5	68.2	3 900	39.0
40.0													36.4	66.9	3 400	40.0
42.0													29.1	63.6	2 400	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**



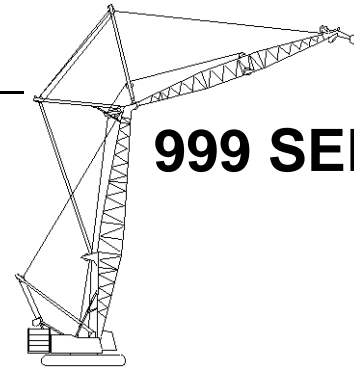
999 SERIES 2

48.8m (160 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
13.7	74.7	83.3	26 200*										13.7
14.0	74.2	83.2	25 500*										14.0
15.0	72.4	82.8	23 000*										15.0
16.0	70.6	82.5	20 700*										16.0
17.0	68.7	82.1	18 900*	71.8	82.6	22 300*							17.0
18.0	66.8	81.7	17 300*	70.0	82.3	20 300*							18.0
19.0	65.0	81.2	15 900*	68.2	81.9	18 400*							19.0
20.0	63.0	80.7	14 600*	66.3	81.4	16 900*							20.0
21.0	61.1	80.1	13 500*	64.4	80.9	15 500*							21.0
22.0	59.1	79.5	12 400*	62.4	80.4	14 300*	67.3	81.4	17 800*				22.0
23.0	57.0	78.9	11 400*	60.5	79.8	13 200*	65.4	80.9	16 300*				23.0
24.0	54.9	78.2	10 400*	58.5	79.2	12 200*	63.5	80.4	15 000*				24.0
25.0	52.8	77.4	9 500*	56.4	78.6	11 200*	61.5	79.9	13 800*	66.4	80.7	17 100*	25.0
26.0	50.5	76.6	8 800*	54.3	77.8	10 300*	59.5	79.3	12 800*	64.5	80.3	15 700*	26.0
27.0	48.2	75.7	8 100*	52.1	77.1	9 500*	57.5	78.6	11 800*	62.6	79.7	14 400*	27.0
28.0	45.9	74.7	7 400*	49.9	76.2	8 700*	55.4	77.9	11 000*	60.6	79.2	13 400*	28.0
29.0	43.4	73.7	6 900*	47.5	75.3	8 000*	53.3	77.2	10 100*	58.6	78.6	12 400*	29.0
30.0	40.8	72.5	6 300*	45.1	74.3	7 400*	51.1	76.4	9 300*	56.5	77.9	11 500*	30.0
31.0	38.0	71.3	5 800*	42.6	73.2	6 800*	48.8	75.5	8 500*	54.4	77.2	10 600*	31.0
32.0	35.0	69.8	5 400*	39.9	72.0	6 300*	46.4	74.6	7 900*	52.2	76.4	9 800*	32.0
33.0	31.8	68.3	5 000*	37.1	70.7	5 800*	44.0	73.5	7 300*	50.0	75.6	9 000	33.0
34.0	28.3	66.5	4 600*	34.1	69.3	5 400*	41.4	72.4	6 700*	47.7	74.7	8 300	34.0
35.0	24.2	64.3	4 200*	30.8	67.6	4 900*	38.7	71.2	6 200*	45.3	73.7	7 500	35.0
36.0	19.4	61.7	3 900*	27.1	65.7	4 500*	35.7	69.8	5 700*	42.7	72.6	6 800	36.0
37.0				22.9	63.5	4 200*	32.6	68.3	5 300*	40.1	71.4	6 200	37.0
38.0				17.7	60.6	3 900*	29.1	66.5	4 900*	37.3	70.1	5 500	38.0
39.0							25.2	64.5	4 500*	34.3	68.7	5 000	39.0
40.0							20.6	62.0	4 200*	31.0	67.0	4 400	40.0
42.0										23.1	62.9	3 400	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

48.8m (160 Ft.) Boom, 70.1m (230 Ft.) Luffing Jib

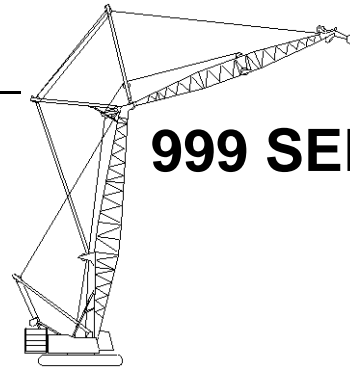
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
13.7	76.0	86.4	26 000*										13.7
14.0	75.5	86.3	25 700*										14.0
15.0	73.9	86.0	24 400*										15.0
16.0	72.3	85.7	22 700*										16.0
17.0	70.6	85.4	20 600*	73.4	85.8	24 100*							17.0
18.0	68.9	85.0	19 000*	71.8	85.5	22 000*							18.0
19.0	67.2	84.6	17 500*	70.1	85.1	20 200*							19.0
20.0	65.5	84.1	16 200*	68.4	84.7	18 600*							20.0
21.0	63.7	83.6	15 000*	66.7	84.3	17 200*							21.0
22.0	61.9	83.1	14 000*	64.9	83.8	15 900*	69.3	84.7	19 500*				22.0
23.0	60.1	82.5	13 000*	63.2	83.3	14 800*	67.6	84.3	17 900*				23.0
24.0	58.3	81.9	12 100*	61.4	82.8	13 700*	65.9	83.8	16 600*				24.0
25.0	56.4	81.2	11 300*	59.6	82.2	12 800*	64.1	83.3	15 400*				25.0
26.0	54.4	80.5	10 400*	57.7	81.6	11 900*	62.3	82.8	14 300*	66.8	83.6	16 500	26.0
27.0	52.5	79.7	9 700*	55.8	80.9	11 200*	60.5	82.2	13 300*	65.0	83.2	15 200	27.0
28.0	50.4	78.9	8 900*	53.8	80.1	10 400*	58.7	81.6	12 400*	63.3	82.7	14 000	28.0
29.0	48.3	78.0	8 300*	51.8	79.4	9 600*	56.8	81.0	11 700*	61.5	82.1	12 900	29.0
30.0	46.1	77.0	7 700*	49.8	78.5	8 900*	54.9	80.3	10 900*	59.7	81.5	11 900	30.0
31.0	43.9	76.0	7 100*	47.7	77.6	8 200*	52.9	79.5	10 200*	57.8	80.9	10 900	31.0
32.0	41.5	74.9	6 600*	45.5	76.6	7 700*	50.9	78.7	9 500*	55.9	80.2	10 100	32.0
33.0	39.0	73.7	6 200*	43.2	75.6	7 100*	48.8	77.8	8 800*	54.0	79.5	9 200	33.0
34.0	36.4	72.3	5 700*	40.8	74.4	6 600*	46.7	76.9	8 100*	52.0	78.7	8 500	34.0
35.0	33.6	70.8	5 300*	38.2	73.1	6 100*	44.4	75.9	7 600*	49.9	77.9	7 700	35.0
36.0	30.5	69.2	5 000*	35.6	71.8	5 700*	42.1	74.8	7 100*	47.8	77.0	7 100	36.0
37.0	27.2	67.3	4 600*	32.7	70.2	5 300*	39.6	73.6	6 600*	45.6	76.0	6 400	37.0
38.0	23.3	65.0	4 300*	29.6	68.5	4 900*	37.0	72.2	6 100*	43.3	74.9	5 800	38.0
39.0	18.7	62.3	3 600*	26.1	66.5	4 600*	34.3	70.8	5 700*	40.9	73.8	5 200	39.0
40.0				22.1	64.2	4 200*	31.3	69.2	5 300	38.4	72.5	4 700	40.0
42.0							24.3	65.2	4 200	32.9	69.6	3 700	42.0
44.0							14.3	59.2	3 200	26.3	66.0	2 800	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**



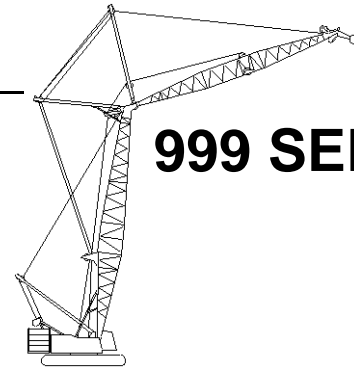
999 SERIES 2

48.8m (160 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
15.2	74.8	89.2	22 900*							15.2
16.0	73.7	88.9	21 500*							16.0
17.0	72.1	88.6	19 700*							17.0
18.0	70.6	88.2	18 200*							18.0
19.0	69.0	87.9	16 700*	71.7	88.4	19 300*				19.0
20.0	67.5	87.4	15 400*	70.1	88.0	17 700*				20.0
21.0	65.9	87.0	14 300*	68.6	87.6	16 300*				21.0
22.0	64.3	86.5	13 200*	67.0	87.2	15 100*				22.0
23.0	62.6	86.0	12 300*	65.4	86.7	14 000*	69.4	87.6	17 100*	23.0
24.0	61.0	85.4	11 400*	63.8	86.2	13 000*	67.9	87.2	15 800*	24.0
25.0	59.3	84.8	10 600*	62.1	85.7	12 000*	66.3	86.7	14 600*	25.0
26.0	57.6	84.2	9 900*	60.5	85.1	11 200*	64.7	86.2	13 600*	26.0
27.0	55.8	83.5	9 200*	58.8	84.5	10 500*	63.0	85.7	12 600*	27.0
28.0	54.0	82.8	8 600*	57.0	83.9	9 800*	61.4	85.2	11 700*	28.0
29.0	52.2	82.0	8 100*	55.3	83.2	9 100*	59.7	84.6	10 900*	29.0
30.0	50.3	81.2	7 600*	53.5	82.4	8 500*	58.0	84.0	10 200*	30.0
31.0	48.4	80.3	7 000*	51.6	81.7	7 900*	56.2	83.3	9 500*	31.0
32.0	46.4	79.3	6 600*	49.7	80.8	7 400*	54.5	82.6	8 800*	32.0
33.0	44.3	78.3	6 100*	47.8	79.9	7 000*	52.6	81.8	8 300*	33.0
34.0	42.1	77.2	5 700*	45.7	78.9	6 500*	50.8	81.0	7 700*	34.0
35.0	39.9	76.0	5 200*	43.6	77.9	6 100*	48.8	80.1	7 200*	35.0
36.0	37.5	74.7	4 800*	41.5	76.8	5 600*	46.8	79.2	6 800*	36.0
37.0	35.0	73.3	4 400*	39.2	75.5	5 200*	44.8	78.2	6 300*	37.0
38.0	32.3	71.8	4 100*	36.8	74.2	4 800*	42.7	77.1	5 900*	38.0
39.0	29.4	70.0	3 700*	34.2	72.8	4 400*	40.4	75.9	5 500*	39.0
40.0	26.2	68.1	3 400*	31.5	71.2	4 100*	38.1	74.7	5 200*	40.0
42.0				25.2	67.3	3 500*	33.0	71.8	4 400	42.0
44.0				16.7	61.8	2 200*	27.0	68.2	3 500	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

51.8m (170 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

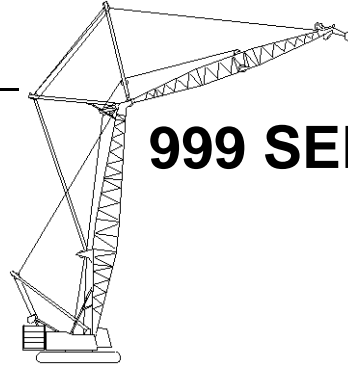
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	52.8	63.5	15 500*																12.2
13.0	47.6	62.7	13 800*																13.0
14.0	40.3	61.6	11 700*	52.8	63.3	15 800*b													14.0
15.0	31.6	60.0	10 300*	46.2	62.4	13 400*													15.0
16.0				38.8	61.2	11 500*													16.0
17.0							50.9	62.8	15 200*										17.0
18.0							44.1	61.8	13 000*										18.0
19.0							36.2	60.4	11 200*										19.0
20.0										48.8	62.0	14 600*							20.0
21.0										41.7	60.9	12 600*							21.0
22.0										33.3	59.5	10 900*							22.0
23.0													57.4	62.2	19 400*b				23.0
24.0													51.4	61.4	16 200*				24.0
25.0													44.6	60.4	13 500*				25.0
26.0													36.9	59.1	11 700*				26.0
27.0													27.1	57.3	10 200*				27.0
28.0																53.2	60.2	15 500b	28.0
29.0																46.7	59.3	14 500*	29.0
30.0																39.3	58.1	12 700*	30.0

51.8m (170 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	61.7	64.6	17 200*b																10.7
11.0	59.8	64.4	16 300*b																11.0
12.0	54.0	63.6	13 400*																12.0
13.0	47.6	62.7	11 200*	58.7	64.1	16 000*													13.0
14.0	40.3	61.6	9 700*	52.8	63.3	13 000*													14.0
15.0	31.6	60.0	8 400*	46.2	62.4	11 000*													15.0
16.0				38.8	61.2	9 500*													16.0
17.0							57.0	63.6	15 400*b										17.0
18.0							50.9	62.8	12 600*										18.0
19.0							44.1	61.8	10 700*										19.0
20.0							36.2	60.4	9 200*	55.1	62.9	14 600*							20.0
21.0										48.8	62.0	12 100*							21.0
22.0										41.7	60.9	10 300*							22.0
23.0										33.3	59.5	8 900*							23.0
24.0													57.4	62.2	16 100*				24.0
25.0													51.4	61.4	13 400*				25.0
26.0													44.6	60.4	11 100*				26.0
27.0													36.9	59.1	9 600*				27.0
28.0													27.1	57.3	8 300*				28.0
29.0																53.2	60.2	14 100	29.0
30.0																46.7	59.3	12 000*	30.0
																39.3	58.1	10 200*	30.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

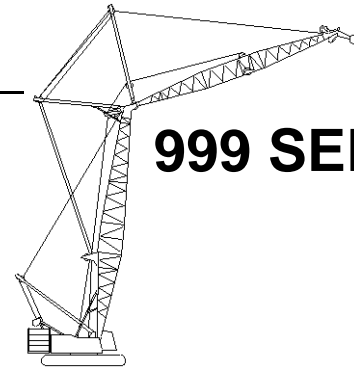
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

51.8m (170 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	61.7	64.6	15 200*b																10.7
11.0	59.8	64.4	14 400*b																11.0
12.0	54.0	63.6	11 800*																12.0
13.0	47.6	62.7	9 800*	58.7	64.1	14 100*													13.0
14.0	40.3	61.6	8 500*	52.8	63.3	11 400*													14.0
15.0	31.6	60.0	7 300*	46.2	62.4	9 700*													15.0
16.0				38.8	61.2	8 300*	57.0	63.6	13 500*										16.0
17.0							50.9	62.8	11 000*	66.3	64.2	20 100*b							17.0
18.0							44.1	61.8	9 300*	60.9	63.6	15 800*							18.0
19.0							36.2	60.4	8 000*	55.1	62.9	12 500*							19.0
20.0										48.8	62.0	10 600*							20.0
21.0										41.7	60.9	9 000*							21.0
22.0										33.3	59.5	7 800*							22.0
23.0													57.4	62.2	14 100*				23.0
24.0													51.4	61.4	11 800*				24.0
25.0													44.6	60.4	9 700*				25.0
26.0													36.9	59.1	8 400*				26.0
27.0													27.1	57.3	7 200*				27.0
28.0																53.2	60.2	12 700*	28.0
29.0																46.7	59.3	10 400*	29.0
30.0																39.3	58.1	8 800*	30.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

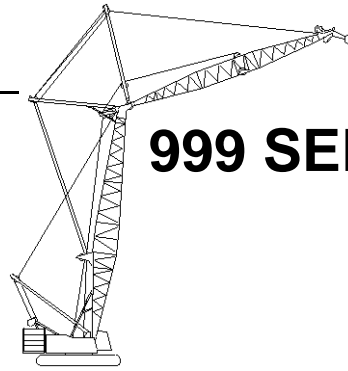
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

51.8m (170 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	67.9	68.0	22 300*b																10.7
11.0	66.5	67.9	21 000*b																11.0
12.0	62.2	67.3	17 300*																12.0
13.0	57.7	66.7	14 400*	65.7	67.6	20 700*													13.0
14.0	53.0	65.9	12 400*	61.3	67.1	16 700*													14.0
15.0	47.9	65.0	10 700*	56.8	66.4	14 100*													15.0
16.0	42.3	63.9	9 400*	52.0	65.6	12 100*	64.4	67.2	19 800*										16.0
17.0	35.9	62.6	8 400*	46.8	64.7	10 600*	60.0	66.6	16 100*										17.0
18.0	28.3	60.8	7 400*	41.1	63.6	9 300*	55.4	65.9	13 600*										18.0
19.0				34.6	62.2	8 200*	50.5	65.1	11 800*	63.0	66.6	18 900*							19.0
20.0							45.2	64.1	10 300*	58.5	66.0	15 500*							20.0
21.0							39.2	62.9	9 100*	53.8	65.2	13 100*							21.0
22.0							32.3	61.4	8 000*	48.8	64.3	11 400*							22.0
23.0										43.3	63.3	10 000*							23.0
24.0										37.1	62.0	8 800*							24.0
25.0										29.8	60.3	7 800*	55.8	64.5	14 500*				25.0
26.0													50.9	63.7	12 300*				26.0
27.0													45.6	62.7	10 700*				27.0
28.0													39.7	61.5	9 400*				28.0
29.0													32.9	60.0	8 300*	57.1	63.3	13 200	29.0
30.0													24.3	58.0	7 400*	52.3	62.5	12 300	30.0
31.0																47.2	61.6	11 200	31.0
32.0																41.5	60.5	9 900	32.0
33.0																35.0	59.1	8 800*	33.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

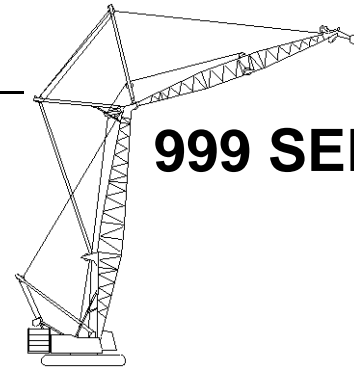
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

51.8m (170 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	61.7	64.6	14 100*																10.7
11.0	59.8	64.4	13 300*																11.0
12.0	54.0	63.6	11 000*																12.0
13.0	47.6	62.7	9 200*	58.7	64.1	13 100*													13.0
14.0	40.3	61.6	7 900*	52.8	63.3	10 600*	68.0	64.8	19 500*										14.0
15.0	31.6	60.0	6 900*	46.2	62.4	9 000*	62.6	64.3	15 300*										15.0
16.0				38.8	61.2	7 800*	57.0	63.6	12 100*										16.0
17.0							50.9	62.8	10 200*	66.3	64.2	18 100*							17.0
18.0							44.1	61.8	8 700*	60.9	63.6	14 400*							18.0
19.0							36.2	60.4	7 500*	55.1	62.9	11 600*							19.0
20.0										48.8	62.0	9 800*							20.0
21.0										41.7	60.9	8 400*							21.0
22.0										33.3	59.5	7 200*							22.0
23.0													57.4	62.2	12 800*				23.0
24.0													51.4	61.4	10 800*				24.0
25.0													44.6	60.4	9 000*				25.0
26.0													36.9	59.1	7 800*				26.0
27.0													27.1	57.3	6 800*				27.0
28.0																53.2	60.2	11 500*	28.0
29.0																46.7	59.3	9 600*	29.0
30.0																39.3	58.1	8 200*	30.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

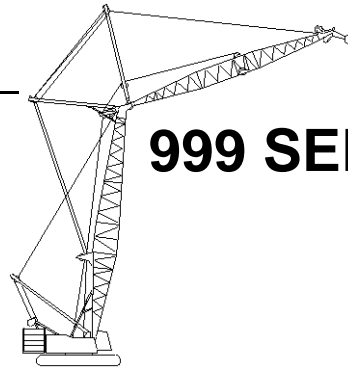
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

51.8m (170 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	67.9	68.0	19 700*																10.7
11.0	66.5	67.9	18 600*																11.0
12.0	62.2	67.3	15 300*																12.0
13.0	57.7	66.7	12 800*	65.7	67.6	18 200*													13.0
14.0	53.0	65.9	11 000*	61.3	67.1	14 800*													14.0
15.0	47.9	65.0	9 600*	56.8	66.4	12 500*													15.0
16.0	42.3	63.9	8 400*	52.0	65.6	10 800*	64.4	67.2	17 400*										16.0
17.0	35.9	62.6	7 400*	46.8	64.7	9 400*	60.0	66.6	14 200*										17.0
18.0	28.3	60.8	6 600*	41.1	63.6	8 300*	55.4	65.9	12 100*										18.0
19.0				34.6	62.2	7 300*	50.5	65.1	10 400*	63.0	66.6	16 500*							19.0
20.0							45.2	64.1	9 100*	58.5	66.0	13 600*							20.0
21.0							39.2	62.9	8 000*	53.8	65.2	11 600*							21.0
22.0							32.3	61.4	7 100*	48.8	64.3	10 000*							22.0
23.0										43.3	63.3	8 800*							23.0
24.0										37.1	62.0	7 800*							24.0
25.0										29.8	60.3	6 900*	55.8	64.5	12 700*				25.0
26.0													50.9	63.7	10 800*				26.0
27.0													45.6	62.7	9 400*				27.0
28.0													39.7	61.5	8 300*				28.0
29.0													32.9	60.0	7 300*	57.1	63.3	11 900	29.0
30.0													24.3	58.0	6 500*	52.3	62.5	11 000	30.0
31.0																47.2	61.6	9 900	31.0
32.0																41.5	60.5	8 700	32.0
33.0																35.0	59.1	7 700*	33.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

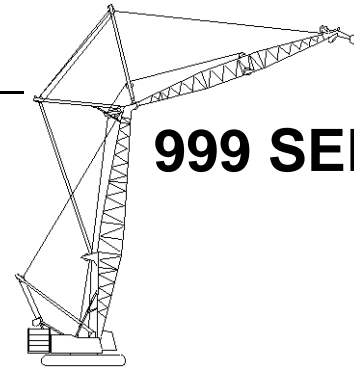
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

51.8m (170 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	71.8	71.3	25 100*																10.7
11.0	70.7	71.2	23 700*																11.0
12.0	67.2	70.8	19 500*																12.0
13.0	63.7	70.3	16 300*	70.0	71.0	23 100*													13.0
14.0	60.1	69.7	14 000*	66.6	70.5	18 900*													14.0
15.0	56.3	69.0	12 200*	63.0	70.0	16 000*													15.0
16.0	52.3	68.2	10 700*	59.4	69.4	13 700*													16.0
17.0	48.1	67.3	9 500*	55.5	68.7	12 000*	65.5	70.1	18 200*										17.0
18.0	43.5	66.3	8 500*	51.5	67.9	10 500*	61.9	69.6	15 600*										18.0
19.0	38.5	65.0	7 600*	47.2	67.0	9 400*	58.2	68.9	13 300*										19.0
20.0	32.8	63.5	6 800*	42.6	65.9	8 300*	54.3	68.2	11 700*	64.4	69.5	17 400*							20.0
21.0	25.9	61.6	6 200*	37.4	64.7	7 500*	50.2	67.4	10 300*	60.7	68.9	15 000*							21.0
22.0				31.6	63.1	6 800*	45.8	66.4	9 100*	57.0	68.3	12 900*							22.0
23.0							41.1	65.3	8 200*	53.0	67.5	11 300*							23.0
24.0							35.8	63.9	7 300*	48.8	66.6	10 000*							24.0
25.0							29.6	62.2	6 600*	44.4	65.6	8 900*							25.0
26.0										39.4	64.4	7 900*	58.5	67.5	13 900*				26.0
27.0										33.9	63.0	7 100*	54.6	66.8	12 200*				27.0
28.0										27.3	61.1	6 500*	50.6	66.0	10 600*				28.0
29.0													46.2	65.0	9 400*				29.0
30.0													41.5	63.9	8 400*				30.0
31.0													36.2	62.6	7 600*	55.8	65.6	10 300	31.0
32.0													30.1	60.9	6 800*	51.8	64.8	9 500	32.0
33.0													22.4	58.7	6 100*	47.5	63.9	8 700	33.0
34.0																42.9	62.8	8 000	34.0
35.0																37.8	61.6	7 300	35.0
36.0																32.0	60.0	6 600	36.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

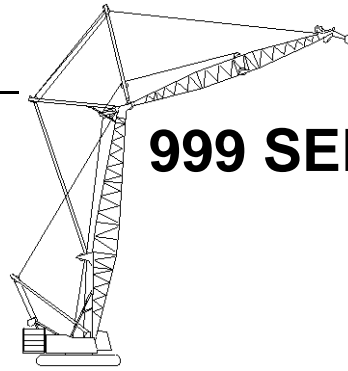
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

51.8m (170 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
10.7	74.5	74.5	26 700*																10.7
11.0	73.6	74.4	26 200*																11.0
12.0	70.7	74.1	24 800*																12.0
13.0	67.8	73.6	22 100*																13.0
14.0	64.8	73.2	18 400*	70.1	73.9	24 900*													14.0
15.0	61.7	72.6	16 000*	67.2	73.4	21 100*													15.0
16.0	58.5	72.0	14 100*	64.2	72.9	18 000*													16.0
17.0	55.3	71.3	12 500*	61.1	72.4	15 800*	69.3	73.4	23 900*										17.0
18.0	51.8	70.5	11 200*	57.9	71.8	13 900*	66.3	73.0	20 400*										18.0
19.0	48.2	69.6	10 100*	54.6	71.0	12 400*	63.3	72.5	17 500*										19.0
20.0	44.4	68.6	9 100*	51.1	70.2	11 100*	60.1	71.9	15 400*										20.0
21.0	40.2	67.4	8 200*	47.5	69.3	9 900*	56.9	71.3	13 600*										21.0
22.0	35.6	66.1	7 500*	43.6	68.3	9 000*	53.6	70.5	12 100*	62.3	71.9	17 100*							22.0
23.0	30.4	64.4	6 800*	39.3	67.1	8 100*	50.0	69.7	10 800*	59.1	71.3	14 900*							23.0
24.0	24.2	62.3	6 200*	34.7	65.7	7 400*	46.3	68.7	9 700*	55.9	70.6	13 200*							24.0
25.0				29.3	63.9	6 700*	42.3	67.6	8 800*	52.4	69.8	11 700*							25.0
26.0							38.0	66.4	8 000*	48.9	68.9	10 600*							26.0
27.0							33.1	64.9	7 300*	45.1	68.0	9 500*							27.0
28.0							27.5	63.0	6 600*	41.0	66.8	8 600*	57.2	69.8	14 100*				28.0
29.0										36.5	65.5	7 800*	53.8	69.1	12 500*				29.0
30.0										31.4	63.9	7 100*	50.3	68.3	11 200*				30.0
31.0										25.4	61.9	6 500*	46.6	67.3	10 100*				31.0
32.0										17.3	59.1	5 900*	42.6	66.3	9 100*				32.0
33.0													38.3	65.0	8 300*				33.0
34.0													33.5	63.5	7 500*	51.4	67.1	8 100	34.0
35.0													28.0	61.7	6 800*	47.7	66.2	7 400	35.0
36.0													21.0	59.3	6 200*	43.8	65.2	6 800	36.0
37.0																39.6	64.0	6 200	37.0
38.0																35.0	62.6	5 600	38.0
39.0																29.7	60.9	5 100	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

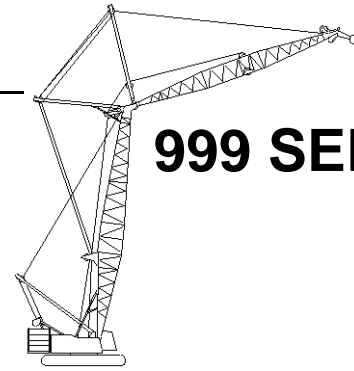
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

51.8m (170 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	72.7	77.2	26 700*																12.2
13.0	70.7	76.9	24 900*																13.0
14.0	68.2	76.5	22 600*	72.7	77.1	26 300*													14.0
15.0	65.6	76.1	19 700*	70.2	76.7	24 800*													15.0
16.0	62.9	75.6	17 200*	67.7	76.3	22 400*													16.0
17.0	60.2	75.0	15 400*	65.1	75.9	19 200*													17.0
18.0	57.4	74.3	13 800*	62.4	75.3	17 000*													18.0
19.0	54.5	73.6	12 400*	59.7	74.7	15 200*	66.9	75.9	21 400*										19.0
20.0	51.5	72.8	11 300*	56.8	74.1	13 600*	64.3	75.4	18 700*										20.0
21.0	48.3	71.9	10 200*	53.9	73.4	12 300*	61.6	74.9	16 600*										21.0
22.0	45.0	70.9	9 300*	50.9	72.5	11 100*	58.8	74.3	14 800*	66.0	75.3	20 700*							22.0
23.0	41.4	69.8	8 600*	47.7	71.6	10 200*	56.0	73.6	13 400*	63.4	74.8	18 100*							23.0
24.0	37.6	68.5	7 800*	44.3	70.6	9 300*	53.0	72.8	12 100*	60.7	74.2	16 100*							24.0
25.0	33.4	67.0	7 200*	40.7	69.5	8 500*	49.9	72.0	11 000*	57.9	73.6	14 500*							25.0
26.0	28.5	65.3	6 700*	36.8	68.1	7 800*	46.7	71.0	10 000*	55.0	72.9	13 100*							26.0
27.0	22.8	63.0	6 100*	32.5	66.6	7 200*	43.2	70.0	9 100*	52.0	72.1	11 800*							27.0
28.0				27.5	64.8	6 600*	39.6	68.8	8 400*	48.9	71.2	10 700*							28.0
29.0							35.5	67.4	7 700*	45.6	70.3	9 800*	59.0	72.8	13 700				29.0
30.0							31.0	65.8	7 100*	42.1	69.2	9 000*	56.2	72.2	12 700				30.0
31.0							25.8	63.8	6 500*	38.3	67.9	8 200*	53.2	71.4	11 800				31.0
32.0							19.2	61.2	6 000*	34.1	66.5	7 600*	50.2	70.6	11 000				32.0
33.0										29.5	64.8	7 000*	46.9	69.6	10 200				33.0
34.0										23.9	62.6	6 500*	43.5	68.6	9 500				34.0
35.0										16.5	59.7	6 000*	39.8	67.4	8 700				35.0
36.0													35.9	66.0	8 000*	51.1	69.4	7 000	36.0
37.0													31.4	64.5	7 400*	47.9	68.5	6 500	37.0
38.0													26.3	62.5	6 800*	44.5	67.5	5 900	38.0
39.0													19.8	60.0	6 200*	41.0	66.4	5 400	39.0
40.0																37.1	65.1	4 900	40.0
42.0																27.9	61.7	4 000	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

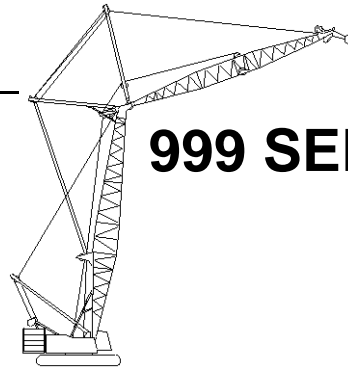
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

51.8m (170 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	74.7	80.4	26 700*																12.2
13.0	73.0	80.2	26 700*																13.0
14.0	70.7	79.8	26 100*																14.0
15.0	68.5	79.4	24 200*																15.0
16.0	66.2	79.0	21 900*	70.3	79.6	25 700*													16.0
17.0	63.8	78.5	19 600*	68.0	79.2	24 300*													17.0
18.0	61.4	77.9	17 700*	65.7	78.8	21 800*													18.0
19.0	59.0	77.3	16 100*	63.4	78.3	19 400*													19.0
20.0	56.5	76.7	14 700*	61.0	77.7	17 600*	67.3	78.8	23 700*										20.0
21.0	53.9	75.9	13 300*	58.5	77.1	16 000*	65.0	78.3	21 300*										21.0
22.0	51.2	75.1	12 200*	56.0	76.4	14 500*	62.7	77.8	19 100*										22.0
23.0	48.4	74.2	11 200*	53.4	75.7	13 300*	60.2	77.2	17 300*	66.6	78.2	23 200							23.0
24.0	45.4	73.3	10 300*	50.6	74.8	12 100*	57.7	76.6	15 700*	64.3	77.7	20 900							24.0
25.0	42.3	72.2	9 500*	47.8	73.9	11 100*	55.2	75.9	14 300*	61.9	77.2	18 700*							25.0
26.0	39.0	70.9	8 800*	44.9	72.9	10 300*	52.5	75.1	13 100*	59.4	76.6	16 900*							26.0
27.0	35.5	69.6	8 100*	41.7	71.8	9 500*	49.8	74.3	12 000*	56.9	75.9	15 400*							27.0
28.0	31.5	68.0	7 500*	38.4	70.6	8 800*	46.9	73.3	11 000*	54.4	75.2	14 000*							28.0
29.0	27.0	66.1	7 000*	34.7	69.1	8 100*	43.9	72.3	10 200*	51.7	74.4	12 900*	62.8	76.4	13 600				29.0
30.0	21.7	63.7	6 500*	30.7	67.5	7 500*	40.7	71.2	9 400*	48.9	73.5	11 800*	60.4	75.8	12 600				30.0
31.0				26.1	65.5	7 000*	37.3	69.9	8 700*	46.0	72.6	10 900*	57.9	75.2	11 800				31.0
32.0				20.4	63.1	6 500*	33.5	68.4	8 000*	42.9	71.5	10 000*	55.4	74.5	11 000				32.0
33.0							29.4	66.7	7 400*	39.6	70.3	9 300*	52.8	73.7	10 200				33.0
34.0							24.5	64.6	6 900*	36.1	69.0	8 600*	50.0	72.9	9 500				34.0
35.0							18.4	61.8	6 500*	32.3	67.4	8 000*	47.2	71.9	8 800				35.0
36.0										27.9	65.6	7 400*	44.2	70.9	8 200				36.0
37.0										22.7	63.3	6 900*	41.0	69.8	7 600	53.5	72.5	6 400	37.0
38.0										15.9	60.3	6 400*	37.6	68.5	7 000	50.8	71.7	5 900	38.0
39.0													33.8	67.0	6 500	48.0	70.8	5 400	39.0
40.0													29.7	65.3	6 000	45.1	69.8	4 900	40.0
42.0													18.9	60.6	5 000	38.6	67.5	4 000	42.0
44.0																31.0	64.4	3 200	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

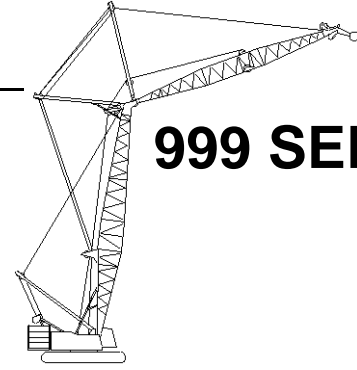
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

51.8m (170 Ft.) Boom, 51.8m (170 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	72.7	77.2	26 700*																12.2
13.0	70.7	76.9	23 900*																13.0
14.0	68.2	76.5	20 700*	72.7	77.1	25 900*													14.0
15.0	65.6	76.1	18 100*	70.2	76.7	23 200*													15.0
16.0	62.9	75.6	15 900*	67.7	76.3	20 400*													16.0
17.0	60.2	75.0	14 200*	65.1	75.9	17 700*													17.0
18.0	57.4	74.3	12 700*	62.4	75.3	15 700*													18.0
19.0	54.5	73.6	11 500*	59.7	74.7	14 000*	66.9	75.9	19 800*										19.0
20.0	51.5	72.8	10 400*	56.8	74.1	12 600*	64.3	75.4	17 300*										20.0
21.0	48.3	71.9	9 400*	53.9	73.4	11 300*	61.6	74.9	15 300*										21.0
22.0	45.0	70.9	8 600*	50.9	72.5	10 300*	58.8	74.3	13 700*	66.0	75.3	19 100*							22.0
23.0	41.4	69.8	7 800*	47.7	71.6	9 400*	56.0	73.6	12 300*	63.4	74.8	16 800*							23.0
24.0	37.6	68.5	7 200*	44.3	70.6	8 500*	53.0	72.8	11 100*	60.7	74.2	14 900*							24.0
25.0	33.4	67.0	6 600*	40.7	69.5	7 800*	49.9	72.0	10 100*	57.9	73.6	13 300*							25.0
26.0	28.5	65.3	6 100*	36.8	68.1	7 200*	46.7	71.0	9 200*	55.0	72.9	12 000*							26.0
27.0	22.8	63.0	5 600*	32.5	66.6	6 600*	43.2	70.0	8 400*	52.0	72.1	10 900*							27.0
28.0				27.5	64.8	6 100*	39.6	68.8	7 700*	48.9	71.2	9 900*							28.0
29.0							35.5	67.4	7 100*	45.6	70.3	9 000*	59.0	72.8	12 200				29.0
30.0							31.0	65.8	6 500*	42.1	69.2	8 300*	56.2	72.2	11 200				30.0
31.0							25.8	63.8	6 000*	38.3	67.9	7 600*	53.2	71.4	10 300				31.0
32.0							19.2	61.2	5 500*	34.1	66.5	7 000*	50.2	70.6	9 500				32.0
33.0										29.5	64.8	6 400*	46.9	69.6	8 700				33.0
34.0										23.9	62.6	5 900*	43.5	68.6	7 900				34.0
35.0										16.5	59.7	5 500*	39.8	67.4	7 200				35.0
36.0													35.9	66.0	6 500	51.1	69.4	5 600	36.0
37.0													31.4	64.5	5 900	47.9	68.5	5 000	37.0
38.0													26.3	62.5	5 300	44.5	67.5	4 500	38.0
39.0													19.8	60.0	4 700	41.0	66.4	3 900	39.0
40.0																37.1	65.1	3 400	40.0
42.0																27.9	61.7	2 400	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

51.8m (170 Ft.) Boom, 54.9m (180 Ft.) Luffing Jib

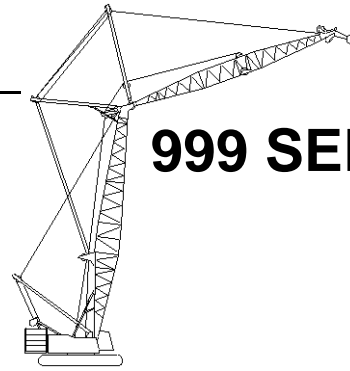
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	74.7	80.4	26 700*													12.2
13.0	73.0	80.2	26 700*													13.0
14.0	70.7	79.8	25 900*													14.0
15.0	68.5	79.4	23 000*													15.0
16.0	66.2	79.0	20 400*	70.3	79.6	25 000*										16.0
17.0	63.8	78.5	18 100*	68.0	79.2	22 700*										17.0
18.0	61.4	77.9	16 300*	65.7	78.8	20 200*										18.0
19.0	59.0	77.3	14 700*	63.4	78.3	17 900*										19.0
20.0	56.5	76.7	13 400*	61.0	77.7	16 100*	67.3	78.8	22 000*							20.0
21.0	53.9	75.9	12 200*	58.5	77.1	14 600*	65.0	78.3	19 700*							21.0
22.0	51.2	75.1	11 100*	56.0	76.4	13 200*	62.7	77.8	17 500*							22.0
23.0	48.4	74.2	10 200*	53.4	75.7	12 100*	60.2	77.2	15 800*	66.6	78.2	21 300*				23.0
24.0	45.4	73.3	9 400*	50.6	74.8	11 100*	57.7	76.6	14 300*	64.3	77.7	19 100*				24.0
25.0	42.3	72.2	8 600*	47.8	73.9	10 100*	55.2	75.9	13 000*	61.9	77.2	17 100*				25.0
26.0	39.0	70.9	8 000*	44.9	72.9	9 300*	52.5	75.1	11 900*	59.4	76.6	15 500*				26.0
27.0	35.5	69.6	7 400*	41.7	71.8	8 600*	49.8	74.3	10 900*	56.9	75.9	14 100*				27.0
28.0	31.5	68.0	6 800*	38.4	70.6	7 900*	46.9	73.3	10 000*	54.4	75.2	12 800*				28.0
29.0	27.0	66.1	6 300*	34.7	69.1	7 400*	43.9	72.3	9 300*	51.7	74.4	11 700*	62.8	76.4	12 200	29.0
30.0	21.7	63.7	5 900*	30.7	67.5	6 800*	40.7	71.2	8 500*	48.9	73.5	10 800*	60.4	75.8	11 200	30.0
31.0				26.1	65.5	6 300*	37.3	69.9	7 900*	46.0	72.6	9 900*	57.9	75.2	10 300	31.0
32.0				20.4	63.1	5 900*	33.5	68.4	7 300*	42.9	71.5	9 200*	55.4	74.5	9 500	32.0
33.0							29.4	66.7	6 800*	39.6	70.3	8 500*	52.8	73.7	8 700	33.0
34.0							24.5	64.6	6 300*	36.1	69.0	7 800*	50.0	72.9	8 000	34.0
35.0							18.4	61.8	5 900*	32.3	67.4	7 200*	47.2	71.9	7 300	35.0
36.0										27.9	65.6	6 700*	44.2	70.9	6 700	36.0
37.0										22.7	63.3	6 200*	41.0	69.8	6 100	37.0
38.0										15.9	60.3	5 800*	37.6	68.5	5 500	38.0
39.0													33.8	67.0	4 900	39.0
40.0													29.7	65.3	4 400	40.0
42.0													18.9	60.6	3 400	42.0



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**



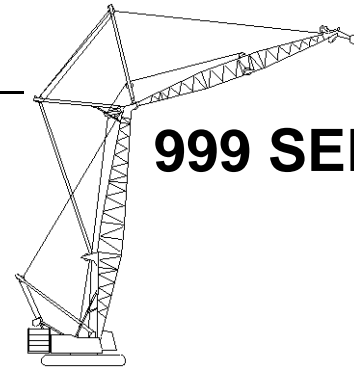
999 SERIES 2

51.8m (170 Ft.) Boom, 57.9m (190 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	72.7	77.2	25 200*													12.2
13.0	70.7	76.9	22 400*													13.0
14.0	68.2	76.5	19 100*	72.7	77.1	25 500*										14.0
15.0	65.6	76.1	16 700*	70.2	76.7	21 800*										15.0
16.0	62.9	75.6	14 700*	67.7	76.3	18 700*										16.0
17.0	60.2	75.0	13 100*	65.1	75.9	16 400*										17.0
18.0	57.4	74.3	11 700*	62.4	75.3	14 500*										18.0
19.0	54.5	73.6	10 500*	59.7	74.7	12 900*	66.9	75.9	18 300*							19.0
20.0	51.5	72.8	9 500*	56.8	74.1	11 600*	64.3	75.4	16 000*							20.0
21.0	48.3	71.9	8 600*	53.9	73.4	10 400*	61.6	74.9	14 200*							21.0
22.0	45.0	70.9	7 900*	50.9	72.5	9 500*	58.8	74.3	12 700*	66.0	75.3	17 700*				22.0
23.0	41.4	69.8	7 200*	47.7	71.6	8 600*	56.0	73.6	11 400*	63.4	74.8	15 500*				23.0
24.0	37.6	68.5	6 600*	44.3	70.6	7 800*	53.0	72.8	10 300*	60.7	74.2	13 800*				24.0
25.0	33.4	67.0	6 100*	40.7	69.5	7 200*	49.9	72.0	9 300*	57.9	73.6	12 400*				25.0
26.0	28.5	65.3	5 600*	36.8	68.1	6 600*	46.7	71.0	8 500*	55.0	72.9	11 100*				26.0
27.0	22.8	63.0	5 200*	32.5	66.6	6 000*	43.2	70.0	7 700*	52.0	72.1	10 100*				27.0
28.0				27.5	64.8	5 500*	39.6	68.8	7 100*	48.9	71.2	9 100*				28.0
29.0							35.5	67.4	6 500*	45.6	70.3	8 400*	59.0	72.8	10 800	29.0
30.0							31.0	65.8	6 000*	42.1	69.2	7 600*	56.2	72.2	9 900	30.0
31.0							25.8	63.8	5 500*	38.3	67.9	7 000*	53.2	71.4	8 900	31.0
32.0							19.2	61.2	5 100*	34.1	66.5	6 400*	50.2	70.6	8 000	32.0
33.0										29.5	64.8	5 900*	46.9	69.6	7 200	33.0
34.0										23.9	62.6	5 400*	43.5	68.6	6 400	34.0
35.0										16.5	59.7	5 000*	39.8	67.4	5 700	35.0
36.0													35.9	66.0	5 000	36.0
37.0													31.4	64.5	4 300	37.0
38.0													26.3	62.5	3 700	38.0
39.0													19.8	60.0	3 100	39.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

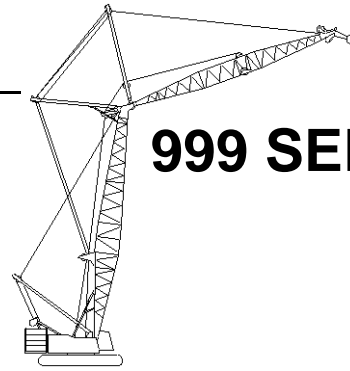
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

51.8m (170 Ft.) Boom, 61.0m (200 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	74.7	80.4	26 700*													12.2
13.0	73.0	80.2	25 800*													13.0
14.0	70.7	79.8	24 400*													14.0
15.0	68.5	79.4	21 400*													15.0
16.0	66.2	79.0	18 700*	70.3	79.6	23 800*										16.0
17.0	63.8	78.5	16 700*	68.0	79.2	20 800*										17.0
18.0	61.4	77.9	15 000*	65.7	78.8	18 400*										18.0
19.0	59.0	77.3	13 500*	63.4	78.3	16 500*										19.0
20.0	56.5	76.7	12 200*	61.0	77.7	14 800*	67.3	78.8	20 300*							20.0
21.0	53.9	75.9	11 100*	58.5	77.1	13 400*	65.0	78.3	18 100*							21.0
22.0	51.2	75.1	10 200*	56.0	76.4	12 200*	62.7	77.8	16 200*							22.0
23.0	48.4	74.2	9 300*	53.4	75.7	11 100*	60.2	77.2	14 600*	66.6	78.2	19 600*				23.0
24.0	45.4	73.3	8 600*	50.6	74.8	10 100*	57.7	76.6	13 200*	64.3	77.7	17 600*				24.0
25.0	42.3	72.2	7 900*	47.8	73.9	9 300*	55.2	75.9	12 000*	61.9	77.2	15 800*				25.0
26.0	39.0	70.9	7 200*	44.9	72.9	8 500*	52.5	75.1	11 000*	59.4	76.6	14 200*				26.0
27.0	35.5	69.6	6 700*	41.7	71.8	7 900*	49.8	74.3	10 000*	56.9	75.9	12 900*				27.0
28.0	31.5	68.0	6 200*	38.4	70.6	7 200*	46.9	73.3	9 200*	54.4	75.2	11 800*				28.0
29.0	27.0	66.1	5 700*	34.7	69.1	6 700*	43.9	72.3	8 400*	51.7	74.4	10 800*	62.8	76.4	10 900	29.0
30.0	21.7	63.7	5 300*	30.7	67.5	6 200*	40.7	71.2	7 800*	48.9	73.5	9 900*	60.4	75.8	10 000	30.0
31.0				26.1	65.5	5 800*	37.3	69.9	7 200*	46.0	72.6	9 100*	57.9	75.2	9 000	31.0
32.0				20.4	63.1	5 300*	33.5	68.4	6 700*	42.9	71.5	8 400*	55.4	74.5	8 200	32.0
33.0							29.4	66.7	6 200*	39.6	70.3	7 700*	52.8	73.7	7 400	33.0
34.0							24.5	64.6	5 700*	36.1	69.0	7 200*	50.0	72.9	6 600	34.0
35.0							18.4	61.8	5 300*	32.3	67.4	6 600*	47.2	71.9	5 900	35.0
36.0										27.9	65.6	6 000	44.2	70.9	5 300	36.0
37.0										22.7	63.3	5 400	41.0	69.8	4 600	37.0
38.0										15.9	60.3	4 700	37.6	68.5	4 000	38.0
39.0													33.8	67.0	3 400	39.0
40.0													29.7	65.3	2 900	40.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

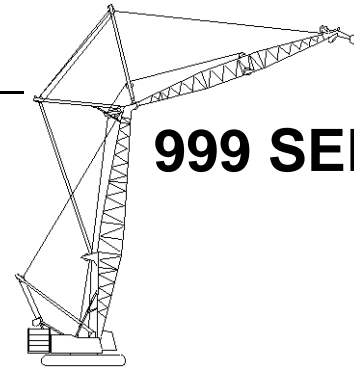
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

51.8m (170 Ft.) Boom, 64.0m (210 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall Capacity Kilograms	Jib		Intermediate Fall Capacity Kilograms	Jib		Intermediate Fall Capacity Kilograms	Jib		Intermediate Fall Capacity Kilograms	
	Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		Ang. Deg.	Elev. m		
13.7	73.3	83.1	26 700*									13.7	
14.0	72.7	83.0	26 100*									14.0	
15.0	70.7	82.7	24 000*									15.0	
16.0	68.7	82.3	21 800*	72.4	82.9	25 500*						16.0	
17.0	66.7	81.9	19 600*	70.4	82.5	23 700*						17.0	
18.0	64.6	81.4	17 600*	68.3	82.1	21 500*						18.0	
19.0	62.4	80.9	15 900*	66.3	81.7	19 300*						19.0	
20.0	60.3	80.3	14 400*	64.2	81.2	17 400*	69.7	82.1	23 100*			20.0	
21.0	58.0	79.7	13 200*	62.0	80.6	15 800*	67.7	81.7	20 900*			21.0	
22.0	55.7	79.0	12 100*	59.8	80.0	14 400*	65.6	81.2	18 900*			22.0	
23.0	53.4	78.2	11 100*	57.6	79.4	13 100*	63.5	80.7	17 100*			23.0	
24.0	51.0	77.4	10 200*	55.3	78.7	12 000*	61.4	80.2	15 500*			24.0	
25.0	48.4	76.5	9 400*	52.9	78.0	11 100*	59.2	79.6	14 100*	64.9	80.6	17 500	
26.0	45.8	75.6	8 700*	50.5	77.1	10 200*	56.9	78.9	13 000*	62.8	80.1	16 000	
27.0	43.1	74.5	8 000*	47.9	76.2	9 400*	54.6	78.2	11 900*	60.7	79.5	14 700	
28.0	40.2	73.3	7 400*	45.3	75.2	8 700*	52.2	77.4	10 900*	58.4	78.9	13 500	
29.0	37.0	72.0	6 900*	42.5	74.2	8 000*	49.7	76.6	10 100*	56.2	78.3	12 400	
30.0	33.7	70.5	6 400*	39.6	73.0	7 500*	47.2	75.6	9 400*	53.8	77.5	11 400	
31.0	30.0	68.9	6 000*	36.4	71.6	6 900*	44.5	74.6	8 700*	51.4	76.7	10 400	
32.0	25.8	66.9	5 600*	33.0	70.1	6 400*	41.6	73.5	8 000*	48.9	75.8	9 600	
33.0		64.4	5 200*	29.2	68.4	6 000*	38.6	72.3	7 400*	46.3	74.9	8 700	
34.0				24.9	66.3	5 600*	35.4	70.9	6 900*	43.6	73.9	7 900	
35.0				19.6	63.7	5 200*	31.9	69.3	6 500*	40.7	72.7	7 200	
36.0							28.0	67.5	6 000*	37.6	71.4	6 500	
37.0							23.4	65.3	5 600*	34.3	70.0	5 800	
38.0							17.7	62.4	5 200*	30.7	68.3	5 200	
39.0										26.6	66.4	4 600	
40.0										21.7	64.0	4 000	



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

51.8m (170 Ft.) Boom, 67.1m (220 Ft.) Luffing Jib

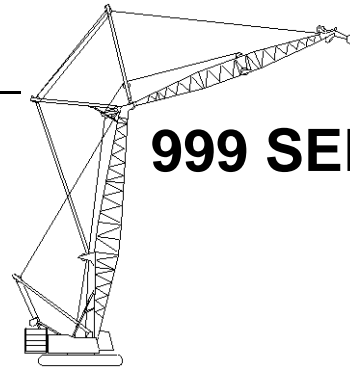
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
13.7	74.9	86.3	25 900*										13.7
14.0	74.4	86.2	25 300*										14.0
15.0	72.6	85.9	23 200*										15.0
16.0	70.8	85.6	21 100*										16.0
17.0	68.9	85.2	19 200*	72.2	85.7	22 900*							17.0
18.0	67.0	84.8	17 500*	70.4	85.4	20 800*							18.0
19.0	65.2	84.3	16 000*	68.6	85.0	18 800*							19.0
20.0	63.2	83.8	14 800*	66.7	84.6	17 300*							20.0
21.0	61.3	83.2	13 600*	64.8	84.1	15 800*							21.0
22.0	59.3	82.6	12 500*	62.9	83.6	14 600*	68.0	84.6	18 500*				22.0
23.0	57.2	82.0	11 400*	60.9	83.0	13 500*	66.1	84.1	16 900*				23.0
24.0	55.1	81.3	10 500*	58.9	82.4	12 400*	64.2	83.6	15 500*				24.0
25.0	53.0	80.5	9 600*	56.8	81.7	11 400*	62.3	83.1	14 300*				25.0
26.0	50.8	79.7	8 800*	54.7	81.0	10 400*	60.3	82.5	13 200*	65.5	83.5	16 100	26.0
27.0	48.5	78.8	8 100*	52.6	80.3	9 600*	58.3	81.9	12 300*	63.6	83.0	14 800	27.0
28.0	46.1	77.9	7 400*	50.3	79.4	8 800*	56.2	81.2	11 300*	61.6	82.5	13 600	28.0
29.0	43.6	76.8	6 900*	48.0	78.5	8 100*	54.1	80.5	10 400*	59.6	81.9	12 500	29.0
30.0	41.0	75.7	6 300*	45.6	77.6	7 500*	51.9	79.7	9 500*	57.6	81.3	11 500	30.0
31.0	38.3	74.4	5 800*	43.1	76.5	6 900*	49.7	78.9	8 800*	55.5	80.6	10 500	31.0
32.0	35.4	73.0	5 300*	40.5	75.3	6 300*	47.3	78.0	8 100*	53.4	79.8	9 700	32.0
33.0	32.2	71.5	4 900*	37.7	74.1	5 900*	44.9	77.0	7 500*	51.2	79.0	8 800	33.0
34.0	28.7	69.7	4 600*	34.8	72.6	5 400*	42.4	75.9	6 900*	48.9	78.1	8 100	34.0
35.0	24.7	67.6	4 200*	31.5	71.0	5 000*	39.7	74.7	6 400*	46.6	77.2	7 300	35.0
36.0	20.0	65.0	3 900*	27.9	69.2	4 600*	36.9	73.3	5 900*	44.1	76.2	6 700	36.0
37.0				23.8	67.0	4 200*	33.8	71.9	5 400*	41.5	75.1	6 000	37.0
38.0				18.9	64.3	3 900*	30.5	70.2	5 000*	38.8	73.8	5 400	38.0
39.0							26.8	68.3	4 600*	35.9	72.5	4 800	39.0
40.0							22.5	66.0	4 300*	32.8	70.9	4 300	40.0
42.0										25.5	67.2	3 300	42.0
44.0										15.0	61.4	2 300	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**



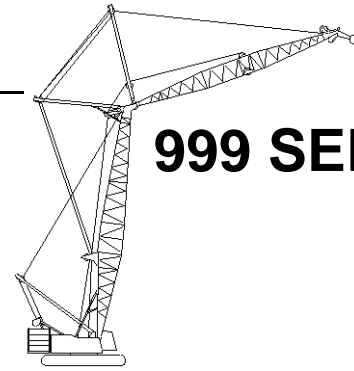
999 SERIES 2

51.8m (170 Ft.) Boom, 70.1m (230 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
15.2	73.7	89.1	22 900*							15.2
16.0	72.4	88.8	22 000*							16.0
17.0	70.8	88.5	20 800*							17.0
18.0	69.1	88.1	19 200*							18.0
19.0	67.4	87.6	17 700*	70.4	88.3	20 600*				19.0
20.0	65.6	87.2	16 400*	68.7	87.9	18 900*				20.0
21.0	63.9	86.7	15 200*	67.0	87.4	17 500*				21.0
22.0	62.1	86.2	14 100*	65.3	87.0	16 200*	69.9	87.9	20 200*	22.0
23.0	60.3	85.6	13 200*	63.5	86.5	15 000*	68.2	87.4	18 600*	23.0
24.0	58.5	85.0	12 300*	61.8	85.9	14 000*	66.5	87.0	17 100*	24.0
25.0	56.6	84.3	11 400*	59.9	85.4	13 000*	64.8	86.5	15 900*	25.0
26.0	54.6	83.6	10 500*	58.1	84.7	12 200*	63.0	86.0	14 800*	26.0
27.0	52.7	82.8	9 700*	56.2	84.1	11 300*	61.2	85.5	13 700*	27.0
28.0	50.6	82.0	8 900*	54.3	83.3	10 500*	59.4	84.9	12 800*	28.0
29.0	48.5	81.1	8 300*	52.3	82.6	9 700*	57.5	84.2	12 000*	29.0
30.0	46.4	80.2	7 700*	50.2	81.7	9 000*	55.6	83.6	11 200*	30.0
31.0	44.1	79.2	7 100*	48.1	80.8	8 300*	53.7	82.8	10 500*	31.0
32.0	41.8	78.0	6 500*	45.9	79.9	7 800*	51.7	82.0	9 700*	32.0
33.0	39.3	76.8	6 000*	43.7	78.8	7 200*	49.6	81.2	9 000*	33.0
34.0	36.7	75.5	5 500*	41.3	77.7	6 700*	47.5	80.3	8 400*	34.0
35.0	33.9	74.0	5 100*	38.8	76.5	6 200*	45.3	79.3	7 800*	35.0
36.0	30.9	72.4	4 700*	36.2	75.1	5 800*	43.0	78.2	7 200*	36.0
37.0	27.5	70.5	4 400*	33.3	73.6	5 400*	40.6	77.0	6 700*	37.0
38.0	23.8	68.3	4 100*	30.2	71.9	5 000*	38.0	75.8	6 300*	38.0
39.0	19.3	65.7	3 700*	26.8	70.0	4 600*	35.3	74.4	5 800	39.0
40.0				23.0	67.8	4 300*	32.4	72.8	5 200	40.0
42.0							25.7	69.1	4 100	42.0
44.0							16.6	63.6	3 200	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

54.9m (180 Ft.) Boom, 21.3m (70 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	53.5	66.6	15 900*b																12.2
13.0	48.3	65.9	14 100*																13.0
14.0	41.1	64.7	12 000*	54.1	66.6	16 500*b													14.0
15.0	32.6	63.3	10 400*	47.7	65.7	14 000*													15.0
16.0				40.5	64.5	11 900*													16.0
17.0							53.2	66.1	16 400*b										17.0
18.0							46.7	65.2	14 000*										18.0
19.0							39.3	64.0	11 900*										19.0
20.0										52.2	65.5	16 300*							20.0
21.0										45.6	64.6	13 900*							21.0
22.0										38.0	63.3	11 800*							22.0
23.0																			23.0
24.0																			24.0
25.0													50.0	64.1	15 900*b				25.0
26.0													43.1	63.1	13 300*				26.0
27.0													35.0	61.7	11 500*				27.0
28.0																			28.0
29.0																53.5	63.1	14 100	29.0
30.0																47.0	62.2	13 200	30.0
31.0																39.7	61.0	12 300	31.0
32.0																30.7	59.4	11 100	32.0

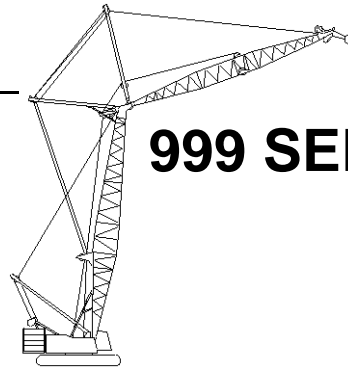
REFERENCE ONLY!



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



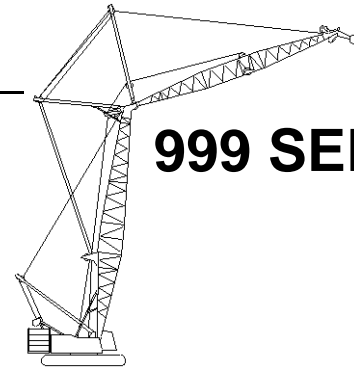
999 SERIES 2

54.9m (180 Ft.) Boom, 24.4m (80 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m	
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms		
10.7	62.3	67.7	17 800*b																10.7	
11.0	60.4	67.5	16 800*b																11.0	
12.0	54.6	66.8	13 800*																12.0	
13.0	48.3	65.9	11 500*																13.0	
14.0	41.1	64.7	9 900*	54.1	66.6	13 800*													14.0	
15.0	32.6	63.3	8 600*	47.7	65.7	11 600*													15.0	
16.0				40.5	64.5	9 900*													16.0	
17.0							53.2	66.1	13 700*										17.0	
18.0							46.7	65.2	11 600*										18.0	
19.0							39.3	64.0	9 800*	58.2	66.3	16 600*b							19.0	
20.0										52.2	65.5	13 400*							20.0	
21.0										45.6	64.6	11 300*							21.0	
22.0										38.0	63.3	9 700*							22.0	
23.0													61.9	65.6	19 700*b				23.0	
24.0													56.2	65.0	16 000*				24.0	
25.0													50.0	64.1	12 900*				25.0	
26.0													43.1	63.1	11 000*				26.0	
27.0													35.0	61.7	9 400*				27.0	
28.0																			28.0	
29.0																	53.5	63.1	13 400	29.0
30.0																	47.0	62.2	12 000	30.0
31.0																	39.7	61.0	10 600*	31.0
32.0																	30.7	59.4	9 100*	32.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

54.9m (180 Ft.) Boom, 27.4m (90 Ft.) Luffing Jib

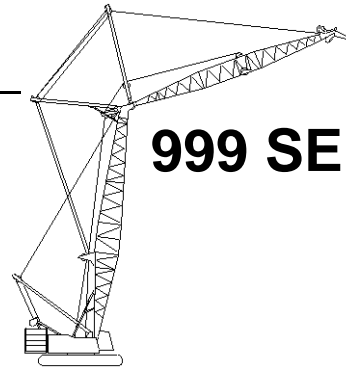
Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m	
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms		
10.7	62.3	67.7	15 700*b																10.7	
11.0	60.4	67.5	14 800*b																11.0	
12.0	54.6	66.8	12 100*																12.0	
13.0	48.3	65.9	10 000*	59.9	67.3	14 900*													13.0	
14.0	41.1	64.7	8 600*	54.1	66.6	12 000*													14.0	
15.0	32.6	63.3	7 400*	47.7	65.7	10 000*													15.0	
16.0				40.5	64.5	8 600*	59.1	66.9	14 800*b										16.0	
17.0							53.2	66.1	11 900*										17.0	
18.0							46.7	65.2	10 000*										18.0	
19.0							39.3	64.0	8 500*	58.2	66.3	14 600*b							19.0	
20.0										52.2	65.5	11 800*							20.0	
21.0										45.6	64.6	9 900*							21.0	
22.0										38.0	63.3	8 400*							22.0	
23.0													61.9	65.6	17 400*				23.0	
24.0													56.2	65.0	14 000*				24.0	
25.0													50.0	64.1	11 300*				25.0	
26.0													43.1	63.1	9 600*				26.0	
27.0													35.0	61.7	8 200*				27.0	
28.0																			28.0	
29.0																	53.5	63.1	12 700	29.0
30.0																	47.0	62.2	10 800	30.0
31.0																	39.7	61.0	9 100*	31.0
32.0																	30.7	59.4	7 800*	32.0



Liftcrane Luffing Jib Intermediate Fall Capacities

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



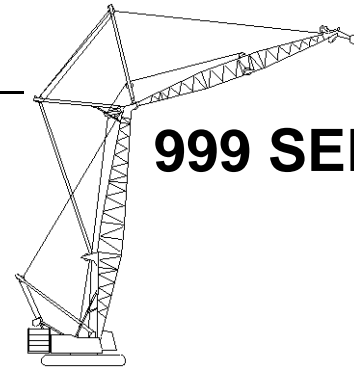
999 SERIES 2

54.9m (180 Ft.) Boom, 30.5m (100 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	68.3	71.1	23 000*b																10.7
11.0	66.9	71.0	21 700*b																11.0
12.0	62.7	70.4	17 700*																12.0
13.0	58.2	69.8	14 700*	66.6	70.8	21 900*													13.0
14.0	53.5	69.1	12 700*	62.3	70.3	17 500*													14.0
15.0	48.4	68.2	11 000*	57.8	69.6	14 700*													15.0
16.0	42.9	67.1	9 600*	53.1	68.9	12 600*	66.0	70.4	21 800*b										16.0
17.0	36.7	65.8	8 500*	48.0	68.0	11 000*	61.6	69.9	17 400*										17.0
18.0	29.2	64.1	7 500*	42.4	66.9	9 600*	57.1	69.2	14 600*										18.0
19.0				36.0	65.5	8 500*	52.3	68.4	12 600*										19.0
20.0							47.2	67.5	10 900*	60.9	69.3	17 400*							20.0
21.0							41.5	66.4	9 600*	56.4	68.6	14 700*							21.0
22.0							35.0	65.0	8 500*	51.5	67.8	12 500*							22.0
23.0										46.3	66.9	10 800*							23.0
24.0										40.5	65.7	9 500*							24.0
25.0										33.9	64.3	8 400*	59.4	68.0	17 000*				25.0
26.0													54.8	67.3	14 200*				26.0
27.0													49.8	66.4	12 100*				27.0
28.0													44.4	65.4	10 500*				28.0
29.0													38.4	64.2	9 300*				29.0
30.0													31.3	62.6	8 200*				30.0
31.0																52.5	65.4	11 100	31.0
32.0																47.4	64.5	10 200	32.0
33.0																41.8	63.4	9 500	33.0
34.0																35.3	62.0	8 700	34.0
35.0																27.5	60.2	7 900	35.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

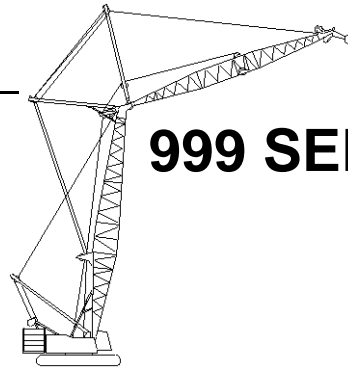
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

54.9m (180 Ft.) Boom, 33.5m (110 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m	
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall		
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms		
10.7	62.3	67.7	14 500*																10.7	
11.0	60.4	67.5	13 700*																11.0	
12.0	54.6	66.8	11 300*																12.0	
13.0	48.3	65.9	9 400*	59.9	67.3	13 800*													13.0	
14.0	41.1	64.7	8 100*	54.1	66.6	11 100*													14.0	
15.0	32.6	63.3	7 100*	47.7	65.7	9 400*													15.0	
16.0				40.5	64.5	8 100*	59.1	66.9	13 600*										16.0	
17.0							53.2	66.1	11 000*										17.0	
18.0							46.7	65.2	9 300*										18.0	
19.0							39.3	64.0	8 000*	58.2	66.3	13 300*							19.0	
20.0										52.2	65.5	10 800*							20.0	
21.0										45.6	64.6	9 100*							21.0	
22.0										38.0	63.3	7 900*							22.0	
23.0													61.9	65.6	15 400*				23.0	
24.0													56.2	65.0	12 600*				24.0	
25.0													50.0	64.1	10 300*				25.0	
26.0													43.1	63.1	8 800*				26.0	
27.0													35.0	61.7	7 600*				27.0	
28.0																			28.0	
29.0																	53.5	63.1	11 400	29.0
30.0																	47.0	62.2	9 800	30.0
31.0																	39.7	61.0	8 400*	31.0
32.0																	30.7	59.4	7 300*	32.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

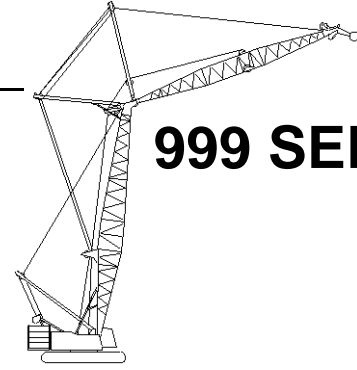
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

54.9m (180 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	68.3	71.1	20 300*																10.7
11.0	66.9	71.0	19 200*																11.0
12.0	62.7	70.4	15 700*																12.0
13.0	58.2	69.8	13 100*	66.6	70.8	19 200*													13.0
14.0	53.5	69.1	11 200*	62.3	70.3	15 400*													14.0
15.0	48.4	68.2	9 700*	57.8	69.6	13 000*													15.0
16.0	42.9	67.1	8 500*	53.1	68.9	11 200*	66.0	70.4	19 000*										16.0
17.0	36.7	65.8	7 500*	48.0	68.0	9 700*	61.6	69.9	15 300*										17.0
18.0	29.2	64.1	6 700*	42.4	66.9	8 500*	57.1	69.2	12 900*										18.0
19.0				36.0	65.5	7 500*	52.3	68.4	11 100*										19.0
20.0							47.2	67.5	9 600*	60.9	69.3	15 200*							20.0
21.0							41.5	66.4	8 400*	56.4	68.6	12 900*							21.0
22.0							35.0	65.0	7 500*	51.5	67.8	10 900*							22.0
23.0										46.3	66.9	9 500*							23.0
24.0										40.5	65.7	8 300*							24.0
25.0										33.9	64.3	7 400*	59.4	68.0	14 700*				25.0
26.0													54.8	67.3	12 300*				26.0
27.0													49.8	66.4	10 600*				27.0
28.0													44.4	65.4	9 200*				28.0
29.0													38.4	64.2	8 100*				29.0
30.0													31.3	62.6	7 200*				30.0
31.0																52.5	65.4	9 800	31.0
32.0																47.4	64.5	8 900	32.0
33.0																41.8	63.4	8 100	33.0
34.0																35.3	62.0	7 400	34.0
35.0																27.5	60.2	6 600	35.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

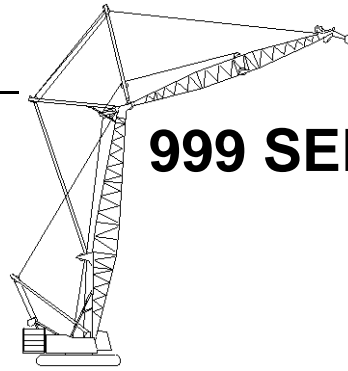
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

54.9m (180 Ft.) Boom, 39.6m (130 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	72.1	74.4	25 900*																10.7
11.0	71.0	74.3	24 400*																11.0
12.0	67.6	73.8	20 000*																12.0
13.0	64.1	73.4	16 600*	70.7	74.1	23 600*													13.0
14.0	60.5	72.8	14 300*	67.3	73.7	19 800*													14.0
15.0	56.7	72.1	12 400*	63.8	73.2	16 700*													15.0
16.0	52.7	71.4	10 900*	60.1	72.6	14 300*													16.0
17.0	48.5	70.5	9 600*	56.4	71.9	12 400*	66.8	73.3	19 700*										17.0
18.0	44.0	69.4	8 600*	52.4	71.2	10 900*	63.3	72.8	16 700*										18.0
19.0	39.1	68.2	7 700*	48.1	70.3	9 600*	59.6	72.2	14 100*										19.0
20.0	33.4	66.8	6 900*	43.6	69.2	8 600*	55.8	71.5	12 300*	66.2	72.8	19 300*							20.0
21.0	26.7	64.9	6 200*	38.6	68.0	7 700*	51.8	70.7	10 800*	62.7	72.2	16 400*							21.0
22.0				32.9	66.5	6 900*	47.5	69.8	9 600*	59.0	71.6	14 000*							22.0
23.0							42.9	68.7	8 600*	55.1	70.9	12 200*							23.0
24.0							37.8	67.5	7 700*	51.1	70.1	10 700*							24.0
25.0							32.0	65.9	6 900*	46.8	69.2	9 500*							25.0
26.0										42.1	68.1	8 500*	61.4	71.0	15 800*				26.0
27.0										36.9	66.8	7 600*	57.7	70.3	13 700*				27.0
28.0										30.9	65.2	6 800*	53.8	69.6	11 800*				28.0
29.0													49.7	68.7	10 500*				29.0
30.0													45.2	67.7	9 300*				30.0
31.0													40.4	66.6	8 300*				31.0
32.0													35.0	65.2	7 400*	56.0	68.5	9 100	32.0
33.0													28.6	63.4	6 700*	51.9	67.7	8 400	33.0
34.0																47.7	66.8	7 700	34.0
35.0																			35.0
36.0																			36.0
37.0																			37.0
38.0																			38.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

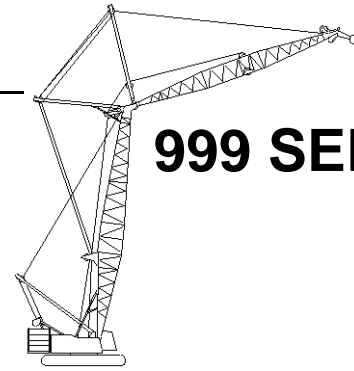
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

54.9m (180 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
10.7	74.8	77.6	26 700*																10.7
11.0	73.9	77.5	26 400*																11.0
12.0	71.0	77.1	25 300*																12.0
13.0	68.1	76.7	22 700*																13.0
14.0	65.1	76.3	18 800*	70.7	77.0	25 700*													14.0
15.0	62.0	75.7	16 300*	67.8	76.6	21 900*													15.0
16.0	58.9	75.1	14 400*	64.8	76.1	18 800*													16.0
17.0	55.6	74.4	12 700*	61.8	75.6	16 300*	70.3	76.6	25 700*										17.0
18.0	52.2	73.7	11 400*	58.6	74.9	14 400*	67.4	76.2	21 800*										18.0
19.0	48.6	72.8	10 200*	55.3	74.2	12 700*	64.4	75.7	18 600*										19.0
20.0	44.8	71.8	9 200*	51.9	73.5	11 400*	61.3	75.2	16 200*										20.0
21.0	40.7	70.6	8 300*	48.3	72.6	10 200*	58.1	74.5	14 300*										21.0
22.0	36.1	69.3	7 600*	44.4	71.6	9 200*	54.8	73.8	12 700*	63.9	75.2	18 600*							22.0
23.0	31.0	67.7	6 900*	40.3	70.4	8 300*	51.4	73.0	11 300*	60.8	74.6	16 100*							23.0
24.0	24.9	65.6	6 300*	35.7	69.0	7 600*	47.7	72.1	10 200*	57.6	74.0	14 100*							24.0
25.0				30.5	67.4	6 900*	43.8	71.1	9 200*	54.3	73.2	12 600*							25.0
26.0							39.6	69.9	8 300*	50.8	72.4	11 300*							26.0
27.0							35.0	68.5	7 500*	47.1	71.5	10 100*							27.0
28.0							29.7	66.8	6 900*	43.2	70.4	9 100*	59.7	73.3	14 100				28.0
29.0										38.9	69.2	8 300*	56.5	72.6	13 100				29.0
30.0										34.2	67.8	7 500*	53.1	71.9	12 100				30.0
31.0										28.7	66.0	6 900*	49.6	71.0	11 100*				31.0
32.0										22.0	63.7	6 300*	45.8	70.1	9 900*				32.0
33.0													41.8	69.0	9 000*				33.0
34.0													37.4	67.7	8 100*	55.0	70.8	7 700	34.0
35.0													32.4	66.1	7 400*	51.5	70.0	7 100	35.0
36.0													26.6	64.2	6 800*	47.9	69.1	6 500	36.0
37.0																44.0	68.1	5 900	37.0
38.0																39.8	66.9	5 400	38.0
39.0																35.2	65.5	4 800	39.0
40.0																29.9	63.8	4 300	40.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

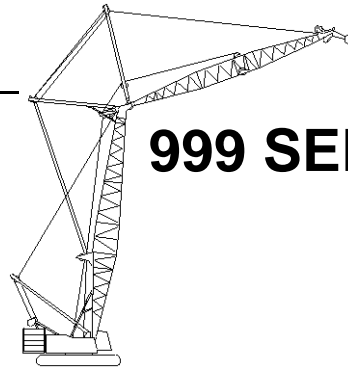
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

54.9m (180 Ft.) Boom, 45.7m (150 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms		Elev. m	Capacity Kilograms	
12.2	73.0	80.3	26 700*																12.2
13.0	71.0	80.0	25 100*																13.0
14.0	68.4	79.6	23 000*	73.3	80.2	26 500*													14.0
15.0	65.9	79.2	20 100*	70.8	79.9	25 600*													15.0
16.0	63.2	78.7	17 500*	68.2	79.5	23 400*													16.0
17.0	60.5	78.1	15 600*	65.6	79.0	19 900*													17.0
18.0	57.7	77.5	14 000*	63.0	78.5	17 500*													18.0
19.0	54.8	76.7	12 600*	60.2	77.9	15 600*	67.8	79.1	22 700*										19.0
20.0	51.8	76.0	11 400*	57.4	77.3	14 000*	65.2	78.6	19 700*										20.0
21.0	48.6	75.1	10 300*	54.5	76.6	12 600*	62.6	78.1	17 400*										21.0
22.0	45.3	74.1	9 400*	51.5	75.8	11 400*	59.8	77.5	15 500*										22.0
23.0	41.8	73.0	8 600*	48.4	74.9	10 400*	57.0	76.9	13 900*	64.8	78.1	19 600*							23.0
24.0	38.0	71.7	7 900*	45.0	73.9	9 500*	54.1	76.1	12 600*	62.1	77.5	17 400*							24.0
25.0	33.8	70.3	7 300*	41.5	72.8	8 700*	51.1	75.3	11 400*	59.4	76.9	15 400*							25.0
26.0	29.1	68.5	6 700*	37.7	71.5	8 000*	47.9	74.4	10 400*	56.6	76.3	13 900*							26.0
27.0	23.5	66.4	6 200*	33.4	70.0	7 300*	44.5	73.4	9 500*	53.6	75.5	12 500*							27.0
28.0				28.6	68.2	6 700*	41.0	72.3	8 700*	50.6	74.7	11 400*							28.0
29.0							37.1	71.0	7 900*	47.4	73.8	10 300*	61.2	76.3	13 300				29.0
30.0							32.8	69.4	7 300*	44.0	72.8	9 400*	58.4	75.6	12 400				30.0
31.0							27.9	67.6	6 700*	40.3	71.6	8 700*	55.6	74.9	11 500				31.0
32.0							21.9	65.3	6 200*	36.4	70.3	7 900*	52.6	74.2	10 700				32.0
33.0										32.0	68.7	7 300*	49.5	73.3	9 900				33.0
34.0										27.0	66.8	6 800*	46.2	72.4	9 200				34.0
35.0										20.8	64.4	6 200*	42.8	71.3	8 600				35.0
36.0													39.0	70.1	7 900	54.2	73.1	6 700	36.0
37.0													35.0	68.7	7 300	51.2	72.3	6 100	37.0
38.0													30.4	67.0	6 700	48.0	71.4	5 600	38.0
39.0													25.1	65.0	6 200	44.7	70.4	5 100	39.0
40.0																41.1	69.3	4 600	40.0
42.0																33.0	66.5	3 700	42.0
44.0																22.2	62.4	2 900	44.0



Liftcrane Luffing Jib Intermediate Fall Capacities



999 SERIES 2

Luffing Jib No. 149 On
Boom No. 82
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

54.9m (180 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

Int. Fall Oper. Rad. m	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. m
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	Ang. Deg.	Elev. m	Capacity Kilograms	
12.2	75.0	83.5	26 700*																12.2
13.0	73.2	83.3	26 700*																13.0
14.0	71.0	82.9	26 200*																14.0
15.0	68.7	82.5	24 400*																15.0
16.0	66.4	82.1	22 200*	70.8	82.7	26 100*													16.0
17.0	64.1	81.6	19 800*	68.5	82.3	25 000*													17.0
18.0	61.7	81.0	17 900*	66.2	81.9	22 400*													18.0
19.0	59.3	80.4	16 300*	63.9	81.4	19 900*													19.0
20.0	56.7	79.8	14 800*	61.5	80.9	18 000*	68.2	82.0	24 900*										20.0
21.0	54.2	79.1	13 500*	59.0	80.3	16 300*	65.9	81.5	22 200*										21.0
22.0	51.5	78.3	12 300*	56.5	79.6	14 800*	63.5	81.0	19 900*										22.0
23.0	48.7	77.4	11 300*	53.9	78.9	13 500*	61.1	80.5	18 100*										23.0
24.0	45.8	76.4	10 400*	51.2	78.1	12 400*	58.7	79.9	16 300*										24.0
25.0	42.7	75.3	9 600*	48.4	77.2	11 400*	56.2	79.2	14 800*	63.1	80.5	19 700							25.0
26.0	39.4	74.1	8 800*	45.5	76.2	10 400*	53.5	78.4	13 500*	60.7	79.9	18 000*							26.0
27.0	35.9	72.8	8 200*	42.4	75.1	9 600*	50.8	77.6	12 400*	58.3	79.3	16 300*							27.0
28.0	32.0	71.2	7 600*	39.1	73.9	8 900*	48.0	76.7	11 400*	55.7	78.6	14 800*							28.0
29.0	27.5	69.3	7 000*	35.5	72.5	8 200*	45.1	75.7	10 500*	53.1	77.9	13 500*							29.0
30.0	22.3	67.1	6 600*	31.6	70.9	7 600*	41.9	74.6	9 700*	50.4	77.0	12 400*							30.0
31.0				27.1	69.0	7 100*	38.6	73.4	8 900*	47.5	76.1	11 400*	59.9	78.6	11 500				31.0
32.0				21.8	66.7	6 600*	35.0	72.0	8 300*	44.6	75.1	10 500*	57.4	78.0	10 700				32.0
33.0							31.0	70.4	7 700*	41.4	74.0	9 700*	54.8	77.3	9 900				33.0
34.0							26.4	68.4	7 100*	38.0	72.7	9 000*	52.2	76.5	9 200				34.0
35.0							20.9	66.0	6 600*	34.3	71.3	8 300*	49.4	75.6	8 600				35.0
36.0										30.3	69.6	7 700*	46.5	74.7	7 900				36.0
37.0										25.6	67.6	7 200*	43.5	73.6	7 300	56.3	76.2	6 000	37.0
38.0										19.8	65.0	6 700*	40.3	72.5	6 800	53.7	75.4	5 500	38.0
39.0													36.8	71.1	6 300	51.0	74.6	5 000	39.0
40.0													33.0	69.6	5 700	48.1	73.7	4 500	40.0
42.0													23.8	65.7	4 800	42.1	71.6	3 700	42.0
44.0																35.1	69.0	2 900	44.0
46.0																26.6	65.5	2 200	46.0