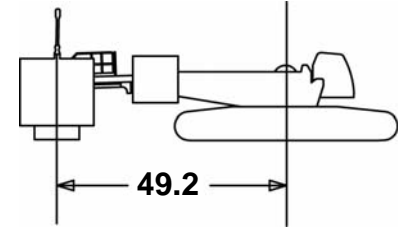


# Liftcrane Luffing Jib Capacities

**Luffing Jib No. 59 On Boom No. 58 HL  
with 98.4 ft Mast No. 59A  
332,000 lb Crane Counterweight  
120,000 lb Carbody Counterweight  
137,850 lb Hanging Counterweight  
at 49.2 ft Position  
360 Degree Rating**



## 16000 MAX-ER

**LIFTING CAPACITIES:** Lifting capacities for various boom lengths, boom angles, luffing jib lengths, and luffing jib 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 (\*).

**Luffing Jib Backward Stability:** Capacities indicated by (b) require 9,500 lb minimum weight suspended beneath luffing jib point. Capacities indicated by (c) require 16,000 lb minimum weight suspended beneath luffing jib point. **Caution: Do not luff into areas indicated by (b) or (c) without required minimum weights.** Luffing jib will not luff down and luffing hoist wire rope may overhaul luffing jib and cause luffing hoist to go slack causing wire rope damage or failure.

**HANGING COUNTERWEIGHT:** Hanging counterweight must be attached to machine and MAX-ER mode must be selected to operate. Minimum luffing jib capacity to raise hanging counterweight free of ground support is required for swing and travel. Do not allow hanging counterweight to contact ground while swinging and traveling. Exit MAX-ER mode before operating without hanging counterweight.

Upper luffing jib point capacity for liftcrane service with single part whip line is 30,000 lb or 60,000 lb with two part whip line. In all cases, upper luffing jib point capacities cannot exceed those listed for main luffing jib capacity.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc. beneath boom and luffing jib point sheaves is considered part of luffing jib load. 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 mast up and bearing turntable level within a tolerance of 1/2 in. in 10 ft and properly supported. During operation, boom must be maintained at one of the selected angles shown in chart. Refer to luffing jib assembly **No. A13416**, Wire Rope Specification chart **No. 8771-A**, Counterweight Arrangement chart **No. 8682-A**, Luffing Jib Raising Procedure chart **No. 8761-B**, and Wind Conditions chart **No. 8688-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 Operator's 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 Swing and Travel Specification chart **No. 8762-B**.

**OPERATING RADIUS:** Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block.

**BOOM ANGLE:** Boom angle in degrees ( $^{\circ}$ ) is angle between horizontal and centerline of boom butt and inserts.

**LUFFING JIB ANGLE:** Luffing jib angle in degrees ( $^{\circ}$ ) 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.

**LUFFING JIB POINT ELEVATION:** Luffing jib point elevation is vertical distance from ground level to centerline of luffing jib point shaft.

**MACHINE EQUIPMENT:** Machine equipped with MAX-ER, 34 ft crawlers, 60 in. treads, 32 ft live mast, 98.4 ft mast, 12 part boom hoist reeving, boom support straps, 17 part luffing jib hoist reeving, luffing jib and backstay support straps, 332,000 lb crane counterweight, two 30,000 lb and four 15,000 lb carbody counterweights, and hanging counterweight as specified.

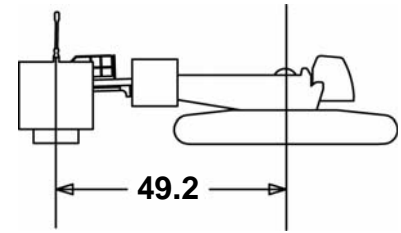
**WARNING:** Check amount of crane counterweight and hanging counterweight on machine before use of this chart. Refer to Operator's Manual for counterweight identification.

### Boom and/or Jib Catwalks Deduct

Deduct 1,200 lb from capacities when boom and/or jib catwalks are attached.

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
with 98.4 ft Mast No. 59A  
332,000 lb Crane Counterweight  
120,000 lb Carbody Counterweight  
137,850 lb Hanging Counterweight  
at 49.2 ft Position  
360 Degree Rating



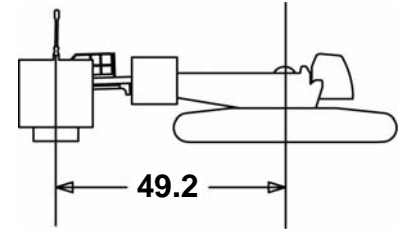
## 16000 MAX-ER

137.8 ft Boom, 78.7 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
45	71.6	221.4	324,700	408,900*c									45
50	67.7	219.4	284,800	364,900*b									50
55	63.6	216.9	253,200	328,000*b	69.5	219.5	241,800	402,300*b					55
60	59.4	214.0	227,500	298,500*b	65.5	217.2	217,300	387,800*b					60
65	55.0	210.5	206,200	274,700*	61.3	214.5	197,000	355,400*b	67.2	217.0	187,700	370,900*b	65
70	50.3	206.4	188,300	255,100*	57.0	211.3	179,800	322,600*	63.2	214.5	171,300	342,600*b	70
75	45.2	201.6	172,900	239,000*	52.4	207.5	165,200	296,300*	58.9	211.5	157,400	316,700*b	75
80	39.6	195.7	159,600	225,800*	47.5	203.0	152,500	274,900*	54.5	208.0	145,300	292,300	80
85	33.2	188.5	147,900	215,300*	42.2	197.7	141,400	257,300*	49.7	203.9	134,700	271,100	85
90	25.3	178.8	137,400	207,800*	36.2	191.1	131,500	243,000*	44.6	198.9	125,400	252,700	90
95	13.0	162.7	127,800	172,900*	29.1	182.7	122,700	230,100*	38.9	192.9	117,000	236,500	95
100					19.6	170.6	114,600	204,500*	32.4	185.4	109,500	222,000	100
105									24.2	175.4	102,600	209,000	105
110									10.6	157.4	95,900	181,600*	110
115													115
120													120
125													125
130													130
135													135
140													140
145													145

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



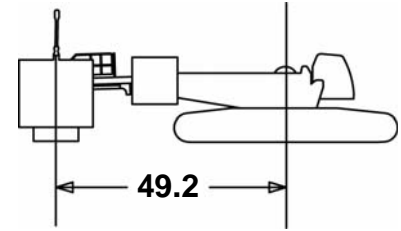
## 16000 MAX-ER

137.8 ft Boom, 78.7 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
45													45
50													50
55													55
60													60
65													65
70													70
75													75
80													80
85	60.5	209.8	123,500	262,000 <sup>b</sup>									85
90	56.1	206.5	114,900	244,200									90
95	51.5	202.6	107,300	228,500									95
100	46.5	197.9	100,400	214,600	57.5	203.6	91,200	207,200					100
105	41.1	192.3	94,200	202,200	52.9	199.9	85,600	195,200					105
110	34.9	185.5	88,600	191,000	48.1	195.5	80,500	184,500					110
115	27.5	176.6	83,300	180,800	42.8	190.2	75,800	174,700					115
120	17.0	163.1	78,300	171,400	36.9	183.8	71,500	165,800	49.2	191.7	64,200	160,100	120
125					29.9	175.7	67,400	157,700	44.0	186.6	60,600	152,300	125
130					20.8	164.1	63,600	150,100	38.3	180.5	57,300	145,100	130
135									31.6	172.8	54,100	138,500	135
140									23.1	162.3	51,100	132,300	140
145									7.4	141.3	47,900	126,200	145

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
with 98.4 ft Mast No. 59A  
332,000 lb Crane Counterweight  
120,000 lb Carbody Counterweight  
137,850 lb Hanging Counterweight  
at 49.2 ft Position  
360 Degree Rating



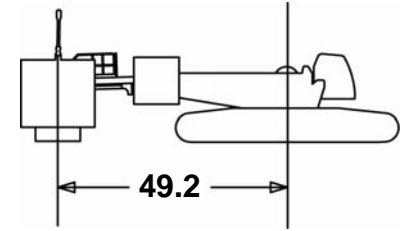
## 16000 MAX-ER

### 137.8 ft Boom, 98.4 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
50	72.4	240.5	285,200	362,200*b									50
55	69.2	238.6	253,400	331,100*b									55
60	66.1	236.4	227,600	299,500*b	70.6	238.7	217,000	357,400*b					60
65	62.8	233.9	206,300	273,900*	67.5	236.6	196,700	345,700*b					65
70	59.4	230.9	188,300	252,800*	64.3	234.2	179,500	334,500*					70
75	55.9	227.6	173,000	235,200*	60.9	231.5	164,900	303,700*	65.7	234.1	156,700	315,800b	75
80	52.3	223.8	159,700	220,300*	57.5	228.3	152,200	279,000*	62.4	231.5	144,600	291,400	80
85	48.4	219.4	148,200	207,700*	53.9	224.7	141,200	258,700*	59.0	228.5	134,100	270,400	85
90	44.3	214.4	138,000	197,000*	50.1	220.6	131,400	241,700*	55.5	225.1	124,800	252,000	90
95	39.8	208.5	128,900	188,000*	46.1	215.9	122,800	227,200*	51.8	221.2	116,600	235,900	95
100	34.8	201.6	120,700	180,600*	41.8	210.4	115,000	215,300*	47.9	216.8	109,200	221,500	100
105	29.0	193.1	113,300	174,800*	37.1	204.0	108,000	202,400*	43.8	211.7	102,600	208,700	105
110	21.9	181.8	106,500	165,500*	31.8	196.3	101,600	188,700*	39.2	205.7	96,500	197,200	110
115	10.3	162.6	100,000	136,400*	25.3	186.5	95,800	176,200*	34.2	198.6	91,000	186,800	115
120					16.6	172.3	90,200	156,500*	28.3	189.9	85,900	177,300	120
125									20.9	178.1	81,100	168,600	125
130									7.8	156.2	76,400	142,600*	130
135													135
140													140
145													145
150													150
155													155
160													160
165													165

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

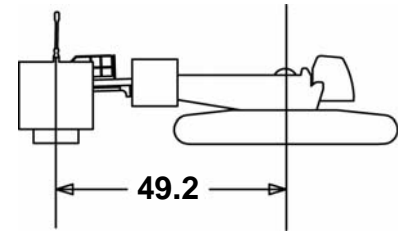
### 137.8 ft Boom, 98.4 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
50													50
55													55
60													60
65													65
70													70
75													75
80													80
85													85
90													90
95	60.3	226.7	106,300	227,600									95
100	56.8	223.5	99,500	213,700									100
105	53.2	219.8	93,500	201,400									105
110	49.4	215.6	87,900	190,300	57.9	220.6	79,300	183,400					110
115	45.3	210.7	82,900	180,300	54.3	217.1	74,700	173,800					115
120	40.9	205.1	78,300	171,100	50.5	213.0	70,500	165,000					120
125	36.1	198.4	74,000	162,800	46.6	208.4	66,700	157,000					125
130	30.6	190.4	70,000	155,100	42.3	203.0	63,100	149,600	51.4	209.1	56,200	144,100	130
135	23.9	180.0	66,300	148,000	37.6	196.7	59,800	142,800	47.5	204.6	53,200	137,600	135
140	14.2	164.2	62,700	141,400	32.3	189.1	56,700	136,500	43.3	199.4	50,400	131,600	140
145					26.1	179.6	53,700	130,700	38.7	193.3	47,800	126,000	145
150					17.7	166.1	50,800	125,200	33.6	186.1	45,300	120,800	150
155									27.6	177.1	42,900	115,900	155
160									19.9	164.9	40,600	111,300	160
165									3.1	136.5	38,000	106,600	165



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



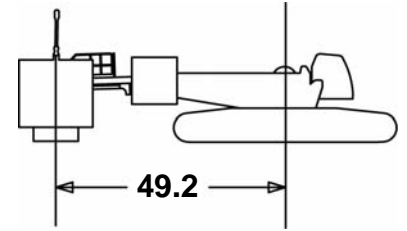
**16000 MAX-ER**

137.8 ft Boom, 118.1 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
55	72.8	259.6	253,000	321,000*b									55
60	70.3	257.8	227,100	305,000*b									60
65	67.7	255.8	205,600	277,100*									65
70	65.0	253.5	187,600	254,300*	68.8	255.9	178,400	308,300*					70
75	62.2	250.8	172,200	235,400*	66.2	253.7	163,700	299,500*					75
80	59.4	247.9	158,900	219,400*	63.5	251.2	151,100	290,400*	67.4	253.4	143,200	290,000	80
85	56.5	244.6	147,400	205,800*	60.7	248.4	140,000	266,400*	64.7	251.1	132,700	269,000	85
90	53.5	241.0	137,200	194,100*	57.8	245.3	130,300	246,800*	61.9	248.4	123,400	250,700	90
95	50.4	236.9	128,200	183,900*	54.9	241.8	121,700	230,100*	59.1	245.5	115,200	234,600	95
100	47.1	232.3	120,100	175,200*	51.8	237.9	114,000	216,300*	56.2	242.1	107,900	220,300	100
105	43.6	227.1	112,800	167,500*	48.6	233.6	107,100	204,600*	53.2	238.4	101,300	207,600	105
110	39.9	221.3	106,200	161,000*	45.2	228.7	100,800	190,900*	50.0	234.3	95,300	196,100	110
115	35.8	214.5	100,200	155,500*	41.6	223.1	95,100	178,700*	46.7	229.6	89,900	185,800	115
120	31.3	206.6	94,700	150,900*	37.7	216.8	89,800	167,800*	43.2	224.4	84,900	176,400	120
125	26.0	196.9	89,600	144,600*	33.4	209.5	85,000	157,900*	39.4	218.5	80,400	167,800	125
130	19.3	184.2	84,800	130,400*	28.5	200.7	80,500	148,800*	35.3	211.6	76,200	159,900	130
135	8.1	161.6	80,000	107,600*	22.6	189.6	76,300	140,400*	30.7	203.5	72,200	152,600	135
140					14.4	173.5	72,300	124,100*	25.3	193.6	68,500	144,400*	140
145									18.4	180.3	65,000	135,700*	145
150									5.1	153.4	61,400	112,500*	150
155													155
160													160
165													165
170													170
175													175
180													180

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

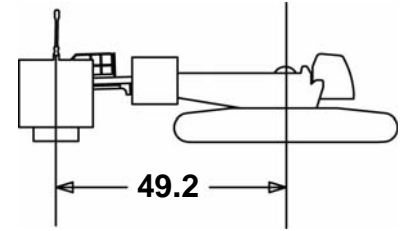
137.8 ft Boom, 118.1 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
55													55
60													60
65													65
70													70
75													75
80													80
85													85
90													90
95													95
100	62.9	246.6	97,800	212,200									100
105	60.1	243.7	91,700	199,900									105
110	57.3	240.5	86,300	188,900									110
115	54.3	236.9	81,300	178,900									115
120	51.2	232.9	76,800	169,800									120
125	47.9	228.5	72,600	161,600	55.2	234.1	64,800	155,400					125
130	44.5	223.5	68,700	154,000	52.1	230.3	61,300	148,100					130
135	40.8	217.8	65,200	147,000	48.9	226.0	58,100	141,400					135
140	36.9	211.3	61,900	140,600	45.6	221.2	55,100	135,200	52.8	226.3	48,400	129,900	140
145	32.4	203.7	58,700	134,600	42.0	215.7	52,300	129,500	49.7	222.1	45,900	124,400	145
150	27.4	194.6	55,800	129,000	38.1	209.5	49,700	124,100	46.3	217.4	43,500	119,300	150
155	21.2	182.8	53,000	123,800	33.8	202.3	47,200	119,200	42.8	212.1	41,300	114,500	155
160	12.0	164.6	50,200	118,800	29.0	193.7	44,800	114,500	39.0	206.1	39,200	110,000	160
165					23.2	182.9	42,600	110,100	34.8	199.1	37,200	105,900	165
170					15.4	167.6	40,300	105,900	30.2	190.9	35,300	101,900	170
175									24.7	180.7	33,500	98,200	175
180									17.5	166.8	31,700	94,600	180



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

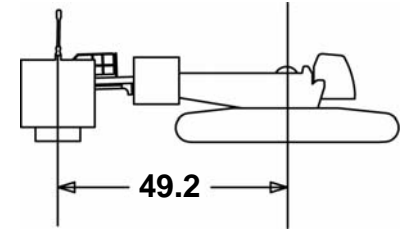
137.8 ft Boom, 137.8 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
60	73.2	278.7	226,800	285,600*b									60
65	71.0	277.0	205,200	277,600*									65
70	68.8	275.0	187,000	259,300*									70
75	66.5	272.9	171,600	238,700*	69.8	275.1	162,900	275,800*					75
80	64.2	270.5	158,300	221,400*	67.5	273.0	150,200	268,800*					80
85	61.8	267.8	146,700	206,800*	65.2	270.7	139,100	262,100*					85
90	59.4	264.9	136,500	194,200*	62.9	268.2	129,400	255,300	66.2	270.5	122,300	249,600	90
95	57.0	261.6	127,400	183,200*	60.5	265.4	120,800	238,600*	63.9	268.1	114,100	233,500	95
100	54.4	258.1	119,300	173,700*	58.1	262.3	113,100	221,200*	61.6	265.4	106,800	219,200	100
105	51.8	254.2	112,100	165,300*	55.6	258.9	106,200	205,700*	59.2	262.4	100,200	206,500	105
110	49.0	249.9	105,500	158,000*	53.0	255.1	99,900	192,000*	56.7	259.2	94,300	195,100	110
115	46.2	245.1	99,600	151,500*	50.3	251.0	94,200	179,800*	54.1	255.6	88,900	184,800	115
120	43.1	239.9	94,100	145,800*	47.5	246.5	89,000	168,800*	51.5	251.6	83,900	175,400	120
125	39.9	234.0	89,100	140,800*	44.5	241.4	84,300	159,000*	48.7	247.3	79,400	166,900	125
130	36.5	227.4	84,500	136,400*	41.4	235.9	79,900	150,000*	45.8	242.5	75,200	159,000	130
135	32.7	219.9	80,200	129,000*	38.1	229.6	75,800	141,900*	42.8	237.2	71,400	151,800	135
140	28.5	211.1	76,200	122,200*	34.5	222.5	72,000	134,400*	39.6	231.2	67,800	145,200	140
145	23.6	200.3	72,500	116,400*	30.5	214.4	68,500	127,500*	36.1	224.5	64,500	137,600*	145
150	17.3	186.1	68,900	105,700*	25.9	204.6	65,200	121,000*	32.3	216.9	61,300	130,500*	150
155	6.0	159.4	65,300	86,500*	20.4	192.3	62,000	114,300*	28.0	207.9	58,400	123,900*	155
160					12.6	174.1	59,000	101,000*	23.0	196.9	55,600	117,700*	160
165									16.5	182.1	52,900	110,200*	165
170													170
175													175
180													180
185													185
190													190
195													195
200													200



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
with 98.4 ft Mast No. 59A  
332,000 lb Crane Counterweight  
120,000 lb Carbody Counterweight  
137,850 lb Hanging Counterweight  
at 49.2 ft Position  
360 Degree Rating



## 16000 MAX-ER

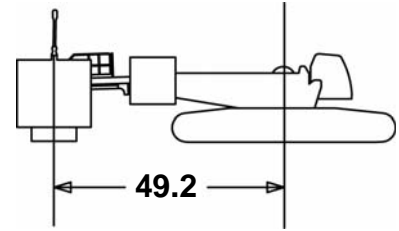
137.8 ft Boom, 137.8 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
60													60
65													65
70													70
75													75
80													80
85													85
90													90
95													95
100													100
105													105
110	62.4	263.5	84,900	187,600									110
115	60.0	260.6	80,000	177,700									115
120	57.6	257.5	75,500	168,700									120
125	55.1	254.0	71,300	160,400									125
130	52.4	250.2	67,500	152,900									130
135	49.7	246.0	64,000	146,000	55.8	251.2	56,700	140,200					135
140	46.9	241.4	60,700	139,600	53.2	247.5	53,700	134,000					140
145	43.9	236.3	57,700	133,600	50.6	243.4	51,000	128,300					145
150	40.8	230.6	54,900	128,100	47.8	238.9	48,400	123,000					150
155	37.4	224.2	52,200	123,000	44.8	234.0	46,000	118,100	51.2	239.5	39,800	113,300	155
160	33.7	216.9	49,700	118,200	41.7	228.4	43,700	113,500	48.4	235.1	37,800	108,900	160
165	29.6	208.4	47,300	113,700	38.4	222.3	41,600	109,200	45.5	230.2	35,900	104,700	165
170	24.9	198.3	45,000	109,500	34.9	215.3	39,500	105,100	42.5	224.9	34,100	100,800	170
175	19.1	185.2	42,800	105,400	30.9	207.2	37,600	101,300	39.2	218.9	32,300	97,200	175
180	10.2	164.5	40,600	101,600	26.4	197.7	35,800	97,700	35.7	212.1	30,700	93,700	180
185					21.0	185.7	34,000	94,300	31.8	204.3	29,100	90,400	185
190					13.6	168.5	32,200	90,900	27.5	195.1	27,600	87,300	190
195									22.4	183.8	26,200	84,400	195
200									15.6	168.3	24,700	81,500	200



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



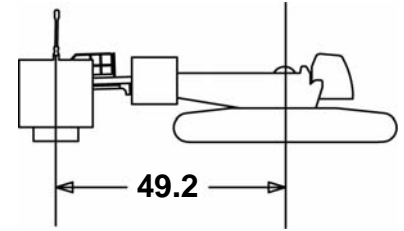
**16000 MAX-ER**

137.8 ft Boom, 157.5 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
65	73.5	297.8	204,300	255,600*									65
70	71.5	296.1	186,100	249,200*									70
75	69.6	294.2	170,600	242,900*									75
80	67.6	292.2	157,200	225,300*	70.5	294.2	148,800	247,400*					80
85	65.6	289.9	145,500	209,300*	68.5	292.3	137,800	241,700*					85
90	63.6	287.5	135,300	195,700*	66.5	290.1	128,000	235,200*					90
95	61.5	284.8	126,200	183,900*	64.5	287.7	119,400	228,000*	67.4	289.9	112,500	232,000	95
100	59.4	281.8	118,200	173,700*	62.5	285.1	111,700	219,800*	65.4	287.6	105,200	217,800	100
105	57.3	278.6	110,900	164,800*	60.4	282.3	104,700	204,700*	63.4	285.1	98,600	205,100	105
110	55.1	275.1	104,300	156,900*	58.3	279.2	98,500	191,500*	61.3	282.4	92,700	193,700	110
115	52.8	271.4	98,400	149,900*	56.1	275.9	92,800	179,300*	59.2	279.4	87,300	183,400	115
120	50.4	267.3	92,900	143,600*	53.8	272.3	87,700	168,400*	57.0	276.2	82,400	174,000	120
125	48.0	262.8	88,000	138,100*	51.5	268.3	82,900	158,600*	54.8	272.6	77,900	165,500	125
130	45.5	258.0	83,400	133,100*	49.1	264.0	78,600	149,700*	52.5	268.9	73,700	157,700	130
135	42.8	252.6	79,100	127,200*	46.6	259.3	74,500	141,600*	50.2	264.7	69,900	150,500	135
140	40.0	246.8	75,200	120,200*	44.0	254.2	70,800	134,200*	47.7	260.2	66,400	143,900	140
145	37.0	240.3	71,600	113,800*	41.3	248.6	67,300	127,300*	45.2	255.3	63,100	137,600*	145
150	33.8	233.0	68,200	108,000*	38.4	242.4	64,100	121,100*	42.5	249.9	60,000	130,500*	150
155	30.3	224.7	65,000	102,700*	35.3	235.5	61,000	115,200*	39.7	244.0	57,100	124,000*	155
160	26.3	215.0	61,900	98,000*	31.9	227.7	58,200	109,800*	36.7	237.4	54,400	118,000*	160
165	21.7	203.3	59,100	94,000*	28.2	218.7	55,500	104,700*	33.4	230.0	51,900	112,400*	165
170	15.7	187.7	56,300	86,600*	23.9	208.0	52,900	99,900*	29.9	221.6	49,500	107,100*	170
175	3.8	155.4	53,300	69,200*	18.6	194.5	50,500	93,800*	25.8	211.7	47,200	102,200*	175
180					11.0	174.3	48,000	83,000*	21.1	199.7	45,000	97,600*	180
185									14.9	183.4	42,800	90,800*	185
190													190
195													195
200													200
205													205
210													210
215													215
220													220

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

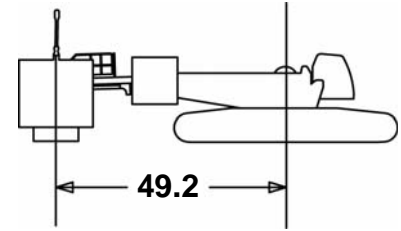
137.8 ft Boom, 157.5 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
65													65
70													70
75													75
80													80
85													85
90													90
95													95
100													100
105													105
110													110
115													115
120	62.1	280.5	73,600	167,100									120
125	60.0	277.6	69,500	158,900									125
130	57.8	274.5	65,700	151,400									130
135	55.6	271.1	62,200	144,500									135
140	53.4	267.4	59,000	138,100									140
145	51.0	263.4	56,000	132,200	56.3	268.2	49,000	126,700					145
150	48.6	259.0	53,200	126,700	54.1	264.6	46,400	121,400					150
155	46.1	254.2	50,600	121,600	51.7	260.7	44,100	116,500					155
160	43.5	249.0	48,100	116,900	49.4	256.5	41,800	112,000					160
165	40.7	243.3	45,800	112,400	46.9	251.8	39,800	107,700	52.3	256.7	33,800	103,000	165
170	37.8	237.0	43,600	108,300	44.3	246.7	37,800	103,700	49.9	252.6	32,100	99,200	170
175	34.6	229.9	41,500	104,300	41.6	241.2	35,900	99,900	47.4	248.0	30,400	95,600	175
180	31.2	221.9	39,600	100,600	38.7	235.1	34,200	96,400	44.9	243.1	28,800	92,200	180
185	27.4	212.6	37,700	97,100	35.6	228.2	32,500	93,000	42.2	237.6	27,300	88,900	185
190	22.9	201.5	35,900	93,800	32.3	220.5	30,900	89,800	39.3	231.6	25,900	85,900	190
195	17.4	187.1	34,100	90,600	28.6	211.7	29,300	86,800	36.3	224.9	24,500	83,000	195
200	8.7	163.8	32,300	87,200*	24.3	201.2	27,900	83,900	33.0	217.5	23,200	80,300	200
205					19.2	188.1	26,400	81,200	29.4	208.9	21,900	77,600	205
210					12.1	169.0	24,900	78,500	25.4	198.9	20,700	75,100	210
215									20.5	186.5	19,500	72,700	215
220									14.0	169.4	18,300	70,400	220



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



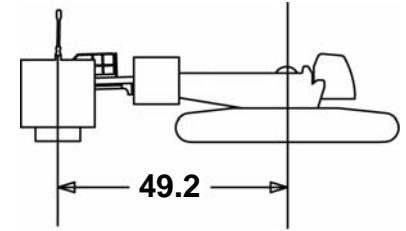
**16000 MAX-ER**

137.8 ft Boom, 177.2 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
70	73.7	316.8	185,400	213,200*									70
75	72.0	315.2	169,800	212,800*									75
80	70.3	313.4	156,300	209,100*									80
85	68.5	311.4	144,600	202,600*									85
90	66.8	309.3	134,300	195,000*	69.3	311.5	126,900	205,400*					90
95	65.0	307.0	125,300	187,200*	67.5	309.4	118,200	202,300*					95
100	63.2	304.4	117,100	176,300*	65.8	307.2	110,500	196,600*					100
105	61.3	301.7	109,900	166,600*	64.0	304.7	103,600	190,600*	66.6	307.0	97,300	195,700*	105
110	59.4	298.8	103,300	158,000*	62.1	302.1	97,300	184,300*	64.8	304.6	91,400	192,500	110
115	57.5	295.6	97,300	150,400*	60.3	299.3	91,600	178,000*	63.0	302.0	86,000	182,200	115
120	55.6	292.2	91,900	143,700*	58.4	296.2	86,500	168,000*	61.1	299.3	81,100	172,900	120
125	53.6	288.5	86,900	137,600*	56.5	292.9	81,700	158,500*	59.2	296.3	76,600	164,400	125
130	51.5	284.6	82,300	132,100*	54.5	289.4	77,400	149,500*	57.3	293.1	72,400	156,600	130
135	49.4	280.3	78,100	125,300*	52.4	285.5	73,400	141,400*	55.3	289.7	68,600	149,400	135
140	47.2	275.7	74,200	118,800*	50.3	281.4	69,600	134,000*	53.3	286.0	65,100	142,800	140
145	44.9	270.8	70,600	112,700*	48.2	277.0	66,200	127,100*	51.3	282.0	61,800	136,700	145
150	42.5	265.4	67,200	107,000*	45.9	272.2	63,000	120,900*	49.1	277.7	58,800	130,300*	150
155	40.0	259.5	64,000	101,600*	43.6	267.0	60,000	115,000*	46.9	273.1	55,900	123,800*	155
160	37.4	253.1	61,100	96,700*	41.2	261.4	57,100	109,700*	44.6	268.1	53,200	117,800*	160
165	34.6	246.0	58,300	92,200*	38.6	255.2	54,500	104,600*	42.3	262.7	50,700	112,200*	165
170	31.6	238.1	55,600	88,000*	35.9	248.4	52,000	99,900*	39.7	256.7	48,400	107,000*	170
175	28.2	229.1	53,200	84,200*	33.0	240.9	49,600	95,500*	37.1	250.2	46,100	102,200*	175
180	24.5	218.6	50,800	80,900*	29.8	232.4	47,400	91,400*	34.3	243.1	44,000	97,700*	180
185	20.1	205.9	48,500	78,100*	26.2	222.7	45,300	87,500*	31.2	235.0	42,000	93,400*	185
190	14.3	188.8	46,300	71,900*	22.2	211.1	43,200	83,700*	27.8	225.9	40,100	89,400*	190
195					17.1	196.4	41,200	78,100*	24.0	215.2	38,300	85,600*	195
200					9.7	174.0	39,200	68,900*	19.5	202.1	36,500	81,900*	200
205									13.5	184.3	34,700	75,700*	205
210													210
215													215
220													220
225													225
230													230
235													235
240													240

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

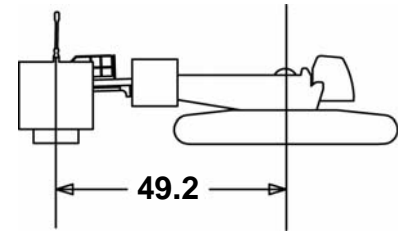
137.8 ft Boom, 177.2 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
70													70
75													75
80													80
85													85
90													90
95													95
100													100
105													105
110													110
115													115
120													120
125													125
130	61.8	297.4	64,200	150,100									130
135	59.9	294.5	60,700	143,200									135
140	58.0	291.4	57,500	136,900									140
145	56.1	288.1	54,500	131,000									145
150	54.1	284.5	51,800	125,500									150
155	52.0	280.6	49,200	120,500	56.7	285.2	42,500	115,200					155
160	49.9	276.4	46,700	115,700	54.7	281.7	40,300	110,700					160
165	47.7	271.9	44,400	111,300	52.6	277.9	38,200	106,400					165
170	45.5	267.1	42,300	107,100	50.6	273.8	36,300	102,400					170
175	43.1	261.8	40,300	103,200	48.4	269.4	34,500	98,700					175
180	40.7	256.1	38,300	99,600	46.2	264.7	32,700	95,100	51.0	269.9	27,200	90,800	180
185	38.1	249.8	36,500	96,100	43.9	259.5	31,100	91,800	48.9	265.6	25,700	87,600	185
190	35.3	242.9	34,800	92,800	41.4	253.9	29,500	88,700	46.7	260.9	24,300	84,600	190
195	32.3	235.2	33,100	89,700	38.9	247.8	28,000	85,700	44.4	255.8	23,000	81,800	195
200	29.1	226.5	31,600	86,700	36.2	241.1	26,600	82,900	42.0	250.4	21,700	79,100	200
205	25.5	216.4	30,000	83,900	33.3	233.7	25,300	80,200	39.5	244.4	20,500	76,500	205
210	21.2	204.4	28,600	81,200	30.1	225.3	24,000	77,600	36.8	237.8	19,400	74,000	210
215	15.9	188.7	27,100	78,600	26.6	215.7	22,700	75,200	33.9	230.5	18,300	71,700	215
220	7.3	162.5	25,600	72,700*	22.6	204.4	21,500	72,800	30.9	222.4	17,200	69,400	220
225					17.7	190.1	20,300	70,500	27.4	213.1	16,200	67,300	225
230					10.7	169.1	19,000	68,300	23.6	202.2	15,100	65,200	230
235									18.9	188.8	14,100	63,300	235
240									12.7	170.1	13,100	61,300	240



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



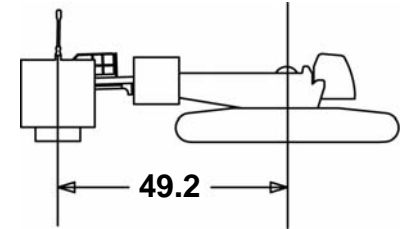
**16000 MAX-ER**

137.8 ft Boom, 196.9 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
80	72.3	334.3	155,200	175,600*									80
85	70.8	332.5	143,400	174,900*									85
90	69.2	330.6	133,100	174,100*									90
95	67.6	328.6	124,000	169,100*	69.9	330.7	116,700	168,700*					95
100	66.0	326.4	115,800	163,400*	68.3	328.7	109,000	168,400*					100
105	64.4	324.0	108,500	157,400*	66.8	326.5	102,100	167,900*					105
110	62.8	321.4	101,900	151,400*	65.2	324.2	95,800	164,600*	67.5	326.3	89,700	160,000*	110
115	61.1	318.7	96,000	145,200*	63.5	321.7	90,100	158,900*	65.9	324.0	84,300	160,000*	115
120	59.4	315.7	90,500	139,100*	61.9	319.1	84,900	153,300*	64.2	321.6	79,400	160,000*	120
125	57.7	312.6	85,500	133,000*	60.2	316.2	80,200	147,500*	62.6	319.0	74,900	156,200*	125
130	56.0	309.2	81,000	127,100*	58.5	313.2	75,900	142,000*	60.9	316.3	70,700	150,600*	130
135	54.2	305.6	76,700	121,300*	56.8	309.9	71,800	136,600*	59.3	313.3	66,900	145,100*	135
140	52.3	301.8	72,800	115,700*	55.0	306.4	68,100	131,300*	57.5	310.1	63,400	139,700*	140
145	50.5	297.7	69,200	110,300*	53.2	302.7	64,700	126,000*	55.8	306.7	60,200	134,400*	145
150	48.5	293.3	65,800	105,100*	51.3	298.7	61,500	119,800*	54.0	303.1	57,100	129,100*	150
155	46.5	288.6	62,700	100,200*	49.4	294.5	58,500	114,000*	52.1	299.3	54,300	122,700*	155
160	44.5	283.6	59,700	95,600*	47.4	289.9	55,700	108,600*	50.2	295.1	51,600	116,700*	160
165	42.3	278.1	57,000	91,200*	45.4	285.0	53,100	103,600*	48.3	290.7	49,100	111,100*	165
170	40.1	272.3	54,400	87,100*	43.3	279.8	50,600	99,000*	46.3	286.0	46,800	106,000*	170
175	37.7	265.9	51,900	83,200*	41.1	274.1	48,300	94,600*	44.2	280.9	44,600	101,200*	175
180	35.2	259.0	49,600	79,700*	38.8	268.0	46,100	90,600*	42.1	275.4	42,500	96,700*	180
185	32.6	251.3	47,400	76,400*	36.4	261.3	44,000	86,700*	39.8	269.5	40,500	92,500*	185
190	29.7	242.8	45,300	73,300*	33.8	254.0	42,000	83,100*	37.4	263.1	38,700	88,600*	190
195	26.5	233.1	43,300	70,600*	31.0	245.9	40,100	79,700*	34.9	256.0	36,900	84,900*	195
200	22.9	221.8	41,400	68,100*	28.0	236.7	38,300	76,400*	32.2	248.3	35,200	81,400*	200
205	18.7	208.1	39,500	66,000*	24.6	226.3	36,600	73,300*	29.3	239.6	33,500	78,000*	205
210	13.1	189.7	37,700	59,700*	20.7	213.8	34,900	70,300*	26.1	229.8	32,000	74,900*	210
215					15.9	198.0	33,300	65,000*	22.5	218.4	30,500	71,800*	215
220					8.5	173.3	31,600	57,100*	18.1	204.3	29,000	68,900*	220
225									12.3	184.9	27,500	63,100*	225
230													230
235													235
240													240
245													245
250													250
255													255
260													260

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

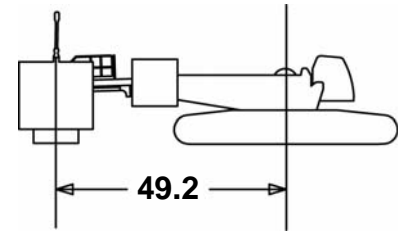
137.8 ft Boom, 196.9 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
80													80
85													85
90													90
95													95
100													100
105													105
110													110
115													115
120													120
125													125
130													130
135													135
140	61.5	314.4	55,600	135,300									140
145	59.9	311.5	52,700	129,400									145
150	58.2	308.4	49,900	124,000									150
155	56.4	305.1	47,300	118,900									155
160	54.6	301.6	44,900	114,200									160
165	52.8	297.8	42,600	109,800	56.9	302.2	36,200	104,800					165
170	50.9	293.8	40,500	105,700	55.2	298.8	34,300	100,800					170
175	49.0	289.5	38,500	101,800	53.4	295.1	32,500	97,100					175
180	47.0	284.8	36,600	98,100	51.5	291.1	30,800	93,600					180
185	45.0	279.9	34,800	94,700	49.6	286.9	29,200	90,300					185
190	42.9	274.5	33,100	91,400	47.6	282.4	27,600	87,100	51.9	287.1	22,300	83,000	190
195	40.6	268.8	31,500	88,300	45.6	277.5	26,200	84,200	50.0	283.0	21,000	80,100	195
200	38.3	262.6	30,000	85,400	43.5	272.3	24,800	81,400	48.1	278.5	19,800	77,400	200
205	35.9	255.8	28,500	82,600	41.3	266.7	23,500	78,700	46.1	273.7	18,600	74,900	205
210	33.2	248.3	27,100	80,000	39.0	260.6	22,200	76,200	44.0	268.6	17,400	72,500	210
215	30.4	240.0	25,700	77,500	36.6	254.0	21,000	73,800	41.8	263.1	16,400	70,100	215
220	27.3	230.6	24,400	75,100	34.1	246.7	19,900	71,500	39.6	257.1	15,300	67,900	220
225	23.9	219.9	23,200	72,700	31.3	238.7	18,700	69,300	37.2	250.6	14,300	65,800	225
230	19.8	206.9	22,000	70,300*	28.3	229.7	17,700	67,200	34.6	243.5	13,400	63,800	230
235	14.7	190.0	20,700	67,400*	25.0	219.4	16,600	65,100	31.9	235.7	12,500	61,900	235
240	5.9	160.4	19,400	60,500*	21.1	207.2	15,600	63,200	29.0	226.9	11,600	60,000	240
245					16.4	191.8	14,600	61,300	25.8	217.0	10,700	58,200	245
250					9.6	168.8	13,500	59,400	22.1	205.3	9,800	56,500	250
255									17.6	190.8	9,000	54,800	255
260									11.5	170.4	8,100	53,200	260



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

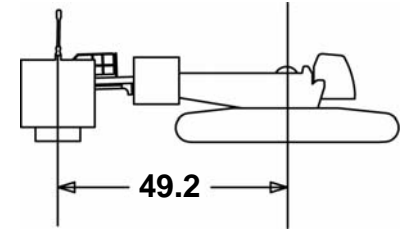
137.8 ft Boom, 216.5 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
95	69.8	349.8	122,500	145,100*									95
100	68.3	347.8	114,400	144,300*	70.4	349.8	107,400	140,900*					100
105	66.9	345.7	107,000	142,200*	69.0	347.9	100,400	140,400*					105
110	65.5	343.4	100,400	137,800*	67.6	345.8	94,200	140,000*					110
115	64.0	341.0	94,400	133,300*	66.1	343.6	88,500	139,500*					115
120	62.5	338.4	89,000	128,700*	64.6	341.2	83,300	138,900*	66.7	343.4	77,600	133,500*	120
125	61.0	335.6	84,000	124,200*	63.2	338.7	78,500	138,300*	65.3	341.1	73,100	133,400*	125
130	59.4	332.7	79,400	119,500*	61.7	336.0	74,200	137,800*	63.8	338.6	69,000	133,300*	130
135	57.9	329.6	75,200	114,900*	60.1	333.2	70,200	134,300*	62.3	336.0	65,200	133,100*	135
140	56.3	326.2	71,300	110,400*	58.6	330.1	66,400	129,300*	60.8	333.2	61,600	132,900*	140
145	54.7	322.7	67,600	105,900*	57.0	326.9	63,000	122,900*	59.3	330.2	58,400	132,600*	145
150	53.0	319.0	64,300	101,600*	55.4	323.5	59,800	117,000*	57.7	327.1	55,300	125,900*	150
155	51.3	315.0	61,100	97,300*	53.8	319.8	56,800	111,500*	56.1	323.8	52,500	119,800*	155
160	49.6	310.8	58,200	93,300*	52.1	316.0	54,000	106,400*	54.5	320.2	49,900	114,100*	160
165	47.8	306.3	55,400	89,400*	50.4	311.8	51,400	101,700*	52.8	316.4	47,400	108,900*	165
170	46.0	301.5	52,800	85,600*	48.6	307.5	48,900	97,100*	51.1	312.4	45,000	104,000*	170
175	44.1	296.4	50,400	82,100*	46.8	302.8	46,600	92,800*	49.4	308.2	42,800	99,300*	175
180	42.1	290.9	48,100	78,700*	45.0	297.8	44,400	88,800*	47.6	303.6	40,800	94,900*	180
185	40.1	285.0	45,900	75,500*	43.0	292.5	42,300	85,000*	45.8	298.8	38,800	90,700*	185
190	38.0	278.7	43,800	72,500*	41.0	286.9	40,400	81,500*	43.9	293.7	37,000	86,900*	190
195	35.7	271.9	41,900	69,600*	38.9	280.7	38,500	78,100*	41.9	288.2	35,200	83,200*	195
200	33.3	264.4	40,000	67,000*	36.7	274.1	36,800	75,000*	39.9	282.2	33,500	79,800*	200
205	30.8	256.2	38,200	64,500*	34.4	267.0	35,100	72,000*	37.7	275.9	31,900	76,500*	205
210	28.1	247.1	36,500	62,300*	32.0	259.1	33,500	69,100*	35.5	269.0	30,400	73,500*	210
215	25.0	236.8	34,900	60,200*	29.3	250.5	31,900	66,400*	33.1	261.4	28,900	70,500*	215
220	21.6	224.8	33,300	58,400*	26.4	240.7	30,400	63,800*	30.5	253.1	27,500	67,800*	220
225	17.5	210.1	31,700	54,900*	23.2	229.6	29,000	61,300*	27.7	243.9	26,200	65,100*	225
230	12.1	190.2	30,200	49,200*	19.4	216.3	27,600	58,900*	24.7	233.4	24,900	62,600*	230
235					14.7	199.3	26,200	53,900*	21.2	221.2	23,600	60,100*	235
240					7.4	172.1	24,800	47,000*	17.0	206.1	22,400	57,800*	240
245									11.3	185.2	21,100	52,400*	245
250													250
255													255
260													260
265													265
270													270
275													275
280													280



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

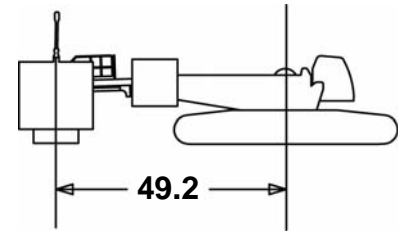
137.8 ft Boom, 216.5 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
95													95
100													100
105													105
110													110
115													115
120													120
125													125
130													130
135													135
140													140
145	62.9	334.1	50,700	121,200*									145
150	61.4	331.4	48,000	121,200*									150
155	59.8	328.5	45,400	117,400									155
160	58.3	325.4	43,000	112,700									160
165	56.7	322.1	40,700	108,300									165
170	55.1	318.6	38,600	104,100									170
175	53.4	315.0	36,600	100,300	57.2	319.2	30,500	95,500					175
180	51.8	311.0	34,700	96,600	55.6	315.8	28,800	92,000					180
185	50.0	306.9	33,000	93,200	53.9	312.2	27,200	88,700					185
190	48.3	302.4	31,300	89,900	52.3	308.3	25,700	85,600					190
195	46.5	297.7	29,700	86,800	50.6	304.2	24,200	82,600					195
200	44.6	292.7	28,200	83,900	48.8	299.9	22,900	79,800	52.7	304.3	17,700	75,800	200
205	42.6	287.3	26,700	81,200	47.0	295.3	21,600	77,200	51.0	300.3	16,500	73,200	205
210	40.6	281.5	25,300	78,500	45.2	290.3	20,300	74,600	49.2	296.0	15,400	70,800	210
215	38.5	275.4	24,000	76,000	43.2	285.1	19,100	72,200	47.4	291.5	14,400	68,500	215
220	36.3	268.6	22,700	73,700	41.2	279.4	18,000	70,000	45.6	286.6	13,400	66,300	220
225	34.0	261.4	21,500	71,400	39.2	273.4	16,900	67,800	43.7	281.4	12,400	64,200	225
230	31.5	253.4	20,400	69,100*	37.0	266.8	15,900	65,700	41.7	275.9	11,500	62,200	230
235	28.8	244.5	19,200	66,400*	34.7	259.7	14,900	63,700	39.6	269.9	10,600	60,300	235
240	25.8	234.5	18,200	63,800*	32.2	251.9	13,900	61,800	37.5	263.5	9,700	58,500	240
245	22.5	223.0	17,100	61,300*	29.6	243.4	13,000	59,900	35.2	256.5	8,900	56,700	245
250	18.6	209.1	16,100	59,000*	26.7	233.8	12,000	58,200	32.8	248.9	8,100	55,100	250
255	13.6	191.0	15,000	56,600*	23.5	222.8	11,200	56,500	30.2	240.5	7,300	53,400	255
260	4.5	157.1	13,800	49,800*	19.9	209.7	10,300	54,800	27.4	231.1	6,500	51,900	260
265					15.3	193.3	9,400	53,200	24.3	220.5	5,800	50,400	265
270					8.5	168.0	8,500	51,600	20.7	208.0	5,000	48,900	270
275									16.4	192.5	4,300	47,500	275
280									10.4	170.4	3,500	46,000	280



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



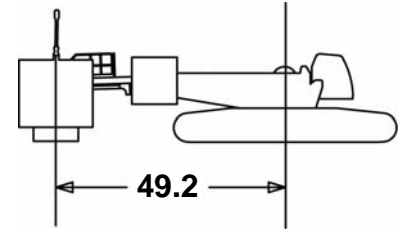
**16000 MAX-ER**

137.8 ft Boom, 236.2 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
105	68.9	367.0	105,700	120,200*	70.8	368.9	98,900	117,800*					105
110	67.6	365.0	99,100	119,400*	69.5	367.1	92,600	117,300*					110
115	66.3	362.8	93,100	118,500*	68.2	365.1	86,900	116,700*					115
120	65.0	360.5	87,600	117,100*	66.9	362.9	81,700	116,100*					120
125	63.6	358.0	82,600	113,600*	65.6	360.7	77,000	115,500*	67.5	362.7	71,400	111,500*	125
130	62.2	355.4	78,000	110,200*	64.2	358.3	72,600	114,800*	66.2	360.5	67,300	111,200*	130
135	60.9	352.6	73,800	106,700*	62.9	355.7	68,600	114,200*	64.8	358.1	63,500	110,900*	135
140	59.4	349.6	69,900	103,100*	61.5	353.0	64,900	113,500*	63.5	355.6	60,000	110,500*	140
145	58.0	346.5	66,200	99,700*	60.1	350.1	61,500	112,900*	62.1	353.0	56,700	110,100*	145
150	56.6	343.2	62,900	96,100*	58.7	347.1	58,300	112,200*	60.7	350.2	53,700	109,700*	150
155	55.1	339.8	59,700	92,700*	57.2	343.9	55,300	110,300*	59.3	347.2	50,900	109,300*	155
160	53.6	336.1	56,800	89,400*	55.8	340.5	52,500	105,300*	57.9	344.1	48,200	108,900*	160
165	52.1	332.2	54,000	86,100*	54.3	336.9	49,900	100,500*	56.4	340.8	45,700	107,700*	165
170	50.5	328.1	51,400	82,900*	52.7	333.1	47,400	96,100*	54.9	337.3	43,400	102,900*	170
175	48.9	323.8	49,000	79,800*	51.2	329.1	45,100	92,000*	53.4	333.6	41,200	98,300*	175
180	47.2	319.2	46,700	76,800*	49.6	324.9	42,900	88,300*	51.9	329.7	39,200	94,100*	180
185	45.5	314.3	44,500	73,900*	48.0	320.4	40,900	84,500*	50.3	325.5	37,200	90,200*	185
190	43.8	309.1	42,500	71,100*	46.3	315.7	38,900	80,900*	48.7	321.2	35,400	86,300*	190
195	42.0	303.6	40,500	68,500*	44.6	310.6	37,100	77,500*	47.0	316.6	33,600	82,600*	195
200	40.1	297.8	38,700	65,900*	42.8	305.3	35,300	74,300*	45.3	311.7	32,000	79,100*	200
205	38.2	291.5	36,900	63,500*	41.0	299.6	33,600	71,300*	43.6	306.5	30,400	75,800*	205
210	36.1	284.7	35,200	61,300*	39.1	293.5	32,000	68,400*	41.8	300.9	28,900	72,700*	210
215	34.0	277.5	33,600	59,100*	37.1	287.0	30,500	65,700*	39.9	295.0	27,400	69,800*	215
220	31.7	269.5	32,100	57,100*	35.0	279.9	29,100	63,100*	37.9	288.7	26,100	67,000*	220
225	29.3	260.8	30,600	55,300*	32.8	272.3	27,700	60,600*	35.9	281.9	24,800	64,400*	225
230	26.6	251.1	29,200	53,600*	30.4	264.0	26,300	58,200*	33.7	274.5	23,500	61,800*	230
235	23.7	240.2	27,800	52,000*	27.9	254.8	25,000	55,900*	31.5	266.5	22,300	59,400*	235
240	20.4	227.4	26,500	49,800*	25.1	244.4	23,800	53,800*	29.0	257.7	21,100	57,100*	240
245	16.4	211.9	25,200	45,600*	22.0	232.6	22,600	51,700*	26.3	247.9	20,000	54,900*	245
250	11.1	190.4	23,900	40,500*	18.3	218.5	21,400	49,300*	23.4	236.8	18,900	52,700*	250
255					13.8	200.3	20,200	44,800*	20.0	223.8	17,800	50,700*	255
260					6.3	170.2	19,000	38,500*	15.9	207.7	16,800	48,600*	260
265									10.3	185.2	15,700	43,500*	265
270													270
275													275
280													280
285													285
290													290
295													295
300													300

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

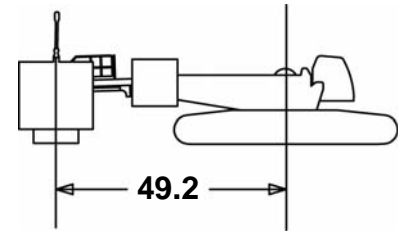
137.8 ft Boom, 236.2 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
105													105
110													110
115													115
120													120
125													125
130													130
135													135
140													140
145													145
150													150
155	62.6	351.1	43,600	101,300*									155
160	61.2	348.3	41,200	101,300*									160
165	59.8	345.4	38,900	101,300*									165
170	58.4	342.4	36,800	101,300*									170
175	56.9	339.1	34,800	98,800									175
180	55.5	335.7	33,000	95,200									180
185	54.0	332.0	31,200	91,700	57.4	336.2	25,300	87,100					185
190	52.4	328.2	29,500	88,500	55.9	332.8	23,800	84,000					190
195	50.9	324.2	27,900	85,400	54.4	329.3	22,300	81,100					195
200	49.3	319.9	26,400	82,500	52.9	325.5	21,000	78,300					200
205	47.6	315.4	25,000	79,800	51.4	321.5	19,700	75,700					205
210	46.0	310.6	23,600	77,200	49.8	317.3	18,500	73,200					210
215	44.2	305.5	22,300	74,700	48.1	312.9	17,300	70,800	51.7	317.5	12,400	67,000	215
220	42.4	300.1	21,100	72,300	46.5	308.2	16,200	68,500	50.1	313.4	11,400	64,800	220
225	40.6	294.3	19,900	70,100	44.8	303.1	15,100	66,300	48.5	309.0	10,500	62,700	225
230	38.7	288.1	18,800	67,900	43.0	297.8	14,100	64,300	46.9	304.4	9,500	60,700	230
235	36.7	281.5	17,700	65,600*	41.2	292.2	13,100	62,300	45.2	299.4	8,700	58,800	235
240	34.5	274.3	16,600	63,000*	39.3	286.1	12,200	60,400	43.4	294.2	7,800	57,000	240
245	32.3	266.6	15,600	60,600*	37.3	279.6	11,300	58,600	41.6	288.6	7,000	55,300	245
250	29.9	258.1	14,600	58,200*	35.2	272.7	10,400	56,800	39.7	282.6	6,300	53,600	250
255	27.3	248.7	13,700	56,000*	33.0	265.1	9,600	55,200	37.7	276.3	5,500	52,000	255
260	24.5	238.1	12,800	53,800*	30.6	256.8	8,700	53,500	35.7	269.4	4,800	50,500	260
265	21.3	225.9	11,800	51,700*	28.1	247.7	7,900	52,000	33.5	262.0	4,100	49,000	265
270	17.5	211.1	11,000	49,700*	25.4	237.5	7,200	50,500	31.2	253.9	3,400	47,500	270
275	12.6	191.7	10,100	47,600*	22.3	225.9	6,400	49,000	28.7	245.0	2,700	46,200	275
280	2.8	151.6	9,000	40,700*	18.7	212.0	5,600	47,600	26.0	235.1	2,100	44,800	280
285					14.3	194.5	4,900	46,200	23.0	223.8		43,500	285
290					7.5	166.8	4,100	44,800	19.6	210.5		42,300	290
295									15.4	194.0		41,000	295
300									9.5	170.1		39,800	300



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

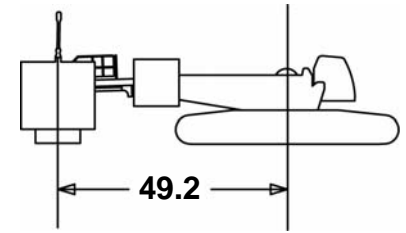
137.8 ft Boom, 255.9 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
120	67.0	382.1	86,300	99,700*	68.8	384.3	80,400	98,300*					120
125	65.8	379.9	81,300	99,000*	67.6	382.2	75,600	97,700*					125
130	64.6	377.5	76,700	98,200*	66.3	380.0	71,200	97,100*					130
135	63.3	375.0	72,500	97,300*	65.1	377.7	67,200	96,500*	66.9	379.8	62,000	93,600*	135
140	62.0	372.3	68,500	94,700*	63.9	375.3	63,500	95,900*	65.7	377.5	58,500	93,200*	140
145	60.7	369.5	64,900	92,000*	62.6	372.7	60,100	95,300*	64.4	375.1	55,200	92,800*	145
150	59.5	366.6	61,500	89,300*	61.3	370.0	56,900	94,700*	63.2	372.6	52,200	92,500*	150
155	58.1	363.5	58,400	86,500*	60.0	367.1	53,900	94,100*	61.9	369.9	49,400	92,100*	155
160	56.8	360.2	55,400	83,800*	58.7	364.0	51,100	93,500*	60.6	367.1	46,700	91,600*	160
165	55.4	356.8	52,700	81,100*	57.4	360.9	48,500	92,900*	59.3	364.2	44,300	91,200*	165
170	54.1	353.2	50,100	78,500*	56.1	357.5	46,000	92,300*	58.0	361.0	41,900	90,800*	170
175	52.7	349.4	47,700	75,900*	54.7	354.0	43,700	89,900*	56.6	357.8	39,800	90,400*	175
180	51.2	345.4	45,400	73,400*	53.3	350.3	41,500	86,100*	55.3	354.3	37,700	89,900*	180
185	49.8	341.2	43,200	70,900*	51.9	346.4	39,500	82,600*	53.9	350.7	35,800	88,000*	185
190	48.3	336.7	41,100	68,500*	50.4	342.2	37,500	79,300*	52.5	346.9	33,900	84,400*	190
195	46.7	332.1	39,200	66,200*	48.9	337.9	35,700	75,900*	51.1	342.9	32,200	81,000*	195
200	45.2	327.1	37,400	63,900*	47.4	333.4	33,900	72,800*	49.6	338.6	30,500	77,500*	200
205	43.5	321.9	35,600	61,700*	45.9	328.5	32,300	69,800*	48.1	334.1	29,000	74,300*	205
210	41.9	316.4	33,900	59,700*	44.3	323.5	30,700	67,000*	46.6	329.5	27,500	71,200*	210
215	40.1	310.5	32,300	57,700*	42.6	318.1	29,200	64,300*	45.0	324.5	26,000	68,300*	215
220	38.3	304.3	30,800	55,800*	40.9	312.3	27,700	61,700*	43.3	319.2	24,700	65,600*	220
225	36.5	297.6	29,400	54,000*	39.2	306.3	26,400	59,300*	41.7	313.7	23,400	63,000*	225
230	34.5	290.4	28,000	52,200*	37.3	299.8	25,000	57,000*	39.9	307.7	22,100	60,500*	230
235	32.5	282.7	26,600	50,600*	35.4	292.9	23,800	54,800*	38.1	301.5	20,900	58,100*	235
240	30.3	274.3	25,300	49,100*	33.4	285.4	22,600	52,700*	36.3	294.7	19,800	55,900*	240
245	27.9	265.1	24,100	47,700*	31.3	277.3	21,400	50,600*	34.3	287.5	18,700	53,700*	245
250	25.4	254.9	22,900	45,800*	29.0	268.5	20,300	48,700*	32.2	279.7	17,600	51,700*	250
255	22.6	243.4	21,700	44,000*	26.6	258.8	19,200	46,800*	30.0	271.2	16,600	49,700*	255
260	19.4	229.9	20,600	41,200*	23.9	247.9	18,100	45,000*	27.7	261.9	15,600	47,800*	260
265	15.5	213.4	19,500	37,500*	20.9	235.4	17,100	43,200*	25.1	251.6	14,600	46,000*	265
270	10.2	190.4	18,300	33,000*	17.3	220.4	16,000	40,900*	22.2	239.9	13,700	44,200*	270
275					12.9	201.1	15,000	36,900*	19.0	226.1	12,800	42,400*	275
280					5.3	167.6	13,900	31,100*	15.0	209.1	11,800	40,300*	280
285									9.4	184.8	10,900	35,700*	285
290													290
295													295
300													300
305													305
310													310
315													315
320													320



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

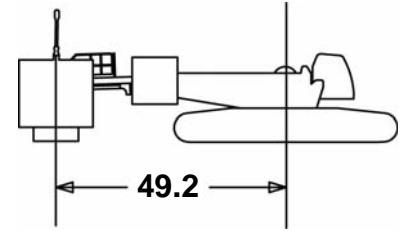
137.8 ft Boom, 255.9 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
120													120
125													125
130													130
135													135
140													140
145													145
150													150
155													155
160													160
165	62.3	368.0	37,300	85,000*									165
170	61.1	365.3	35,200	85,000*									170
175	59.8	362.4	33,200	85,000*									175
180	58.5	359.3	31,400	85,000*									180
185	57.1	356.1	29,600	84,900*									185
190	55.8	352.7	28,000	84,800*									190
195	54.4	349.1	26,400	84,200	57.5	353.2	20,700	77,300*					195
200	53.0	345.4	24,900	81,300	56.2	349.8	19,300	76,900					200
205	51.6	341.4	23,500	78,500	54.8	346.3	18,100	74,300					205
210	50.1	337.3	22,100	75,900	53.4	342.6	16,800	71,800					210
215	48.6	332.9	20,800	73,400	52.0	338.7	15,700	69,400					215
220	47.1	328.3	19,600	71,100	50.6	334.7	14,600	67,200					220
225	45.5	323.4	18,400	68,800	49.1	330.4	13,500	65,000	52.3	334.8	8,800	61,300	225
230	43.9	318.3	17,300	66,700	47.6	325.8	12,500	63,000	50.9	330.7	7,900	59,400	230
235	42.3	312.8	16,200	64,200*	46.0	321.0	11,500	61,000	49.4	326.5	7,000	57,500	235
240	40.6	307.0	15,200	61,600*	44.4	316.0	10,600	59,100	47.9	322.0	6,200	55,700	240
245	38.8	300.9	14,200	59,200*	42.8	310.6	9,700	57,300	46.4	317.2	5,400	53,900	245
250	37.0	294.3	13,200	57,000*	41.1	304.9	8,900	55,600	44.8	312.2	4,600	52,300	250
255	35.0	287.3	12,300	54,800*	39.3	298.9	8,000	53,900	43.2	307.0	3,900	50,700	255
260	33.0	279.7	11,400	52,700*	37.5	292.5	7,200	52,300	41.5	301.3	3,200	49,200	260
265	30.8	271.5	10,500	50,700*	35.6	285.6	6,500	50,800	39.7	295.4	2,500	47,700	265
270	28.5	262.5	9,700	48,800*	33.6	278.2	5,700	49,300	37.9	289.0	1,800	46,300	270
275	26.0	252.6	8,900	46,900*	31.5	270.2	5,000	47,900	36.1	282.3		44,900	275
280	23.3	241.4	8,100	45,100*	29.2	261.4	4,300	46,500	34.1	275.0		43,600	280
285	20.2	228.5	7,300	43,300*	26.8	251.8	3,600	45,100	32.0	267.1		42,300	285
290	16.5	212.9	6,500	41,600*	24.2	241.0	2,900	43,900	29.8	258.6		41,100	290
295	11.8	192.2	5,700	39,800*	21.2	228.7	2,300	42,600	27.4	249.2		39,900	295
300					17.7	214.1	1,600	41,400	24.8	238.7		38,700	300
305					13.4	195.4		40,200	21.9	226.8		37,600	305
310					6.5	165.1		38,800*	18.6	212.8		36,500	310
315									14.5	195.3		35,400	315
320									8.6	169.4		34,300	320



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



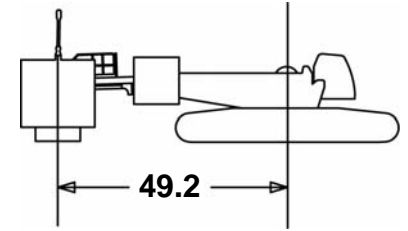
**16000 MAX-ER**

137.8 ft Boom, 275.6 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
135	65.3	396.9	70,900	82,300*	67.0	399.4	65,500	81,600*					135
140	64.2	394.5	67,000	81,600*	65.9	397.1	61,800	81,000*	67.5	399.1	56,600	78,800*	140
145	63.0	392.0	63,300	80,900*	64.7	394.7	58,400	80,400*	66.4	396.9	53,400	78,400*	145
150	61.8	389.3	59,900	80,200*	63.6	392.3	55,100	79,800*	65.2	394.6	50,400	77,900*	150
155	60.7	386.5	56,800	79,500*	62.4	389.7	52,200	79,200*	64.1	392.1	47,600	77,500*	155
160	59.5	383.5	53,900	77,400*	61.2	386.9	49,400	78,500*	62.9	389.6	44,900	77,000*	160
165	58.2	380.5	51,100	75,200*	60.0	384.0	46,800	77,900*	61.7	386.9	42,500	76,600*	165
170	57.0	377.2	48,500	73,100*	58.8	381.0	44,300	77,300*	60.5	384.1	40,100	76,100*	170
175	55.7	373.8	46,100	71,100*	57.5	377.9	42,000	76,700*	59.3	381.1	38,000	75,700*	175
180	54.5	370.3	43,800	69,000*	56.3	374.5	39,800	76,200*	58.1	378.0	35,900	75,200*	180
185	53.2	366.5	41,600	66,900*	55.0	371.0	37,800	75,600*	56.9	374.8	34,000	74,700*	185
190	51.8	362.6	39,600	64,900*	53.7	367.4	35,800	75,100*	55.6	371.4	32,100	74,300*	190
195	50.5	358.5	37,600	63,000*	52.4	363.6	34,000	74,000*	54.3	367.8	30,400	73,800*	195
200	49.1	354.2	35,800	61,100*	51.1	359.5	32,300	71,100*	53.0	364.0	28,800	73,400*	200
205	47.7	349.7	34,000	59,200*	49.7	355.3	30,600	68,200*	51.7	360.1	27,200	72,600*	205
210	46.3	345.0	32,400	57,400*	48.4	350.9	29,000	65,400*	50.3	356.0	25,700	69,700*	210
215	44.8	340.0	30,800	55,600*	46.9	346.3	27,500	62,800*	49.0	351.6	24,300	66,800*	215
220	43.3	334.7	29,300	53,900*	45.5	341.4	26,100	60,200*	47.6	347.1	22,900	64,100*	220
225	41.8	329.1	27,800	52,300*	44.0	336.2	24,700	57,800*	46.1	342.3	21,600	61,500*	225
230	40.2	323.3	26,400	50,700*	42.5	330.8	23,400	55,500*	44.7	337.3	20,400	59,000*	230
235	38.5	317.0	25,100	49,200*	40.9	325.1	22,200	53,300*	43.1	332.0	19,200	56,600*	235
240	36.8	310.4	23,800	47,800*	39.2	319.0	21,000	51,200*	41.6	326.4	18,100	54,400*	240
245	35.0	303.4	22,600	46,300*	37.6	312.6	19,800	49,200*	40.0	320.5	17,000	52,300*	245
250	33.1	295.8	21,400	44,500*	35.8	305.7	18,700	47,300*	38.3	314.2	15,900	50,200*	250
255	31.1	287.7	20,300	42,800*	33.9	298.4	17,600	45,500*	36.6	307.6	14,900	48,300*	255
260	29.0	278.9	19,200	41,100*	32.0	290.6	16,600	43,700*	34.8	300.5	14,000	46,400*	260
265	26.7	269.2	18,100	39,400*	30.0	282.1	15,600	42,000*	32.9	292.9	13,000	44,600*	265
270	24.3	258.4	17,100	37,800*	27.8	272.8	14,600	40,300*	30.9	284.6	12,100	42,900*	270
275	21.5	246.3	16,100	36,300*	25.4	262.5	13,700	38,700*	28.7	275.7	11,200	41,200*	275
280	18.4	232.1	15,100	33,500*	22.8	251.1	12,800	37,100*	26.5	265.9	10,400	39,500*	280
285	14.6	214.6	14,200	30,200*	19.9	237.9	11,900	35,600*	24.0	255.1	9,500	38,000*	285
290	9.4	190.0	13,200	26,100*	16.4	222.2	11,000	33,200*	21.2	242.7	8,700	36,400*	290
295					12.0	201.7	10,100	29,600*	18.0	228.2	7,900	34,900*	295
300					4.1	164.0	9,100	24,200*	14.1	210.3	7,100	32,800*	300
305									8.6	184.2	6,300	28,700*	305
310													310
315													315
320													320
325													325
330													330
335													335
340													340

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



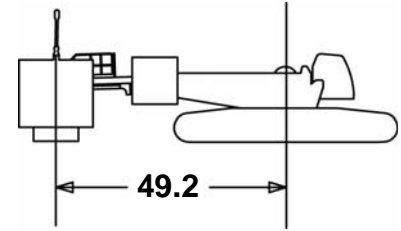
## 16000 MAX-ER

137.8 ft Boom, 275.6 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
135													135
140													140
145													145
150													150
155													155
160													160
165													165
170													170
175	62.1	385.0	31,300	71,200*									175
180	61.0	382.2	29,400	71,000*									180
185	59.8	379.3	27,700	70,900*									185
190	58.5	376.3	26,000	70,700*									190
195	57.3	373.1	24,500	70,500*									195
200	56.0	369.7	23,000	70,300*									200
205	54.8	366.2	21,600	70,100*	57.7	370.2	16,000	64,600*					205
210	53.5	362.5	20,200	69,900*	56.4	366.9	14,800	64,600*					210
215	52.2	358.6	18,900	69,700*	55.2	363.4	13,700	64,600*					215
220	50.8	354.6	17,700	69,500*	53.9	359.7	12,600	64,600*					220
225	49.5	350.3	16,500	67,300	52.6	355.9	11,500	63,400					225
230	48.1	345.9	15,400	65,200*	51.2	351.9	10,500	61,400					230
235	46.7	341.2	14,400	62,600*	49.9	347.7	9,600	59,400	52.9	351.9	4,900	55,800	235
240	45.2	336.2	13,300	60,100*	48.5	343.4	8,700	57,500	51.5	348.0	4,100	54,000	240
245	43.7	331.1	12,300	57,700*	47.1	338.7	7,800	55,800	50.2	343.8	3,300	52,300	245
250	42.1	325.6	11,400	55,400*	45.6	333.9	6,900	54,000	48.8	339.5	2,600	50,600	250
255	40.6	319.8	10,500	53,300*	44.1	328.7	6,100	52,400	47.4	334.9	1,800	49,100	255
260	38.9	313.7	9,600	51,200*	42.6	323.4	5,300	50,800	46.0	330.1		47,500	260
265	37.2	307.1	8,800	49,200*	41.0	317.7	4,600	49,300	44.5	325.0		46,100	265
270	35.4	300.2	8,000	47,300*	39.4	311.6	3,800	47,800	43.0	319.7		44,700	270
275	33.6	292.8	7,200	45,500*	37.7	305.2	3,100	46,400	41.4	314.1		43,300	275
280	31.6	284.8	6,400	43,700*	36.0	298.5	2,500	45,000	39.8	308.1		42,000	280
285	29.5	276.1	5,700	42,000*	34.1	291.2	1,800	43,700	38.1	301.8		40,800	285
290	27.3	266.7	4,900	40,400*	32.2	283.4		42,400	36.4	295.1		39,600	290
295	24.9	256.2	4,200	38,800*	30.2	274.9		41,200	34.6	288.0		38,400	295
300	22.2	244.5	3,500	37,200*	28.0	265.7		40,000	32.7	280.3		37,200	300
305	19.2	230.9	2,800	35,700*	25.7	255.6		38,800	30.6	272.0		36,100	305
310	15.7	214.4	2,200	34,200*	23.1	244.3		37,700	28.5	263.0		35,100	310
315	11.0	192.4	1,500	32,700*	20.2	231.3		36,400*	26.2	253.1		34,000	315
320					16.8	215.9		34,900*	23.7	242.1		33,000	320
325					12.6	196.1		33,400*	20.9	229.6		32,000	325
330					5.5	162.7		31,600*	17.6	214.8		31,100	330
335									13.6	196.3		30,100	335
340									7.8	168.4		29,100*	340

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
with 98.4 ft Mast No. 59A  
332,000 lb Crane Counterweight  
120,000 lb Carbody Counterweight  
137,850 lb Hanging Counterweight  
at 49.2 ft Position  
360 Degree Rating



## 16000 MAX-ER

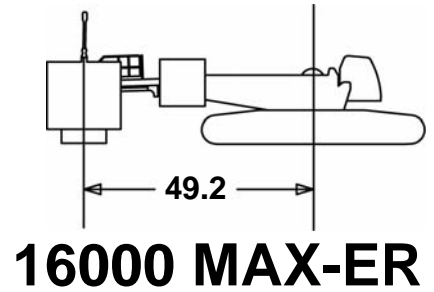
157.5 ft Boom, 78.7 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
45	72.7	241.6	325,900	387,800*c									45
50	68.8	239.6	285,700	356,800*b									50
55	64.8	237.3	253,800	321,700*b									55
60	60.6	234.5	228,000	293,600*b	67.4	237.9	215,900	371,000*b					60
65	56.2	231.2	206,600	270,700*	63.3	235.4	195,600	355,800*b					65
70	51.6	227.3	188,600	251,800*	59.1	232.4	178,600	323,100*b	66.0	235.7	168,500	339,400*b	70
75	46.7	222.6	173,200	236,200*	54.7	228.9	164,000	296,900*	61.8	233.0	154,700	314,100b	75
80	41.2	217.1	159,800	223,500*	49.9	224.8	151,400	275,600*	57.5	229.9	142,800	289,800b	80
85	35.1	210.3	148,100	213,300*	44.8	219.9	140,300	258,000*	53.0	226.2	132,400	268,900	85
90	27.7	201.4	137,700	206,000*	39.2	214.0	130,600	243,700*	48.2	221.8	123,200	250,600	90
95	17.3	188.2	128,200	191,700*	32.7	206.6	121,800	232,100*	42.9	216.5	115,000	234,500	95
100					24.6	196.7	113,900	220,400*	37.0	210.1	107,600	220,200	100
105					11.6	179.5	106,300	178,700*	30.1	202.0	100,900	207,400	105
110									21.0	190.6	94,600	195,800	110
115													115
120													120
125													125
130													130
135													135
140													140
145													145
150													150



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating

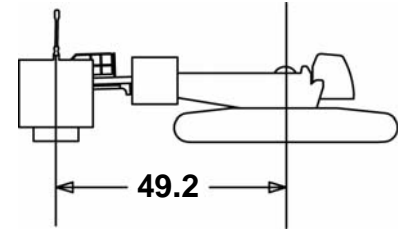


157.5 ft Boom, 78.7 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
45													45
50													50
55													55
60													60
65													65
70													70
75													75
80													80
85													85
90	60.6	228.9	110,700	240,600 <sup>b</sup>									90
95	56.2	225.6	103,300	225,100 <sup>b</sup>									95
100	51.6	221.6	96,700	211,500									100
105	46.6	217.0	90,700	199,200									105
110	41.2	211.5	85,300	188,200	54.5	219.8	75,500	180,500					110
115	35.0	204.6	80,300	178,200	49.8	215.6	71,100	170,900					115
120	27.6	195.8	75,600	169,100	44.7	210.7	67,000	162,300					120
125	17.3	182.4	71,200	160,600	39.0	204.7	63,300	154,300	52.4	212.4	55,000	147,800	125
130					32.5	197.2	59,800	147,000	47.5	207.9	52,000	140,900	130
135					24.3	187.2	56,400	140,300	42.2	202.5	49,100	134,500	135
140					10.9	169.4	53,000	133,800	36.2	196.0	46,400	128,600	140
145									29.0	187.6	43,900	123,000	145
150									19.5	175.4	41,300	117,800	150

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
with 98.4 ft Mast No. 59A  
332,000 lb Crane Counterweight  
120,000 lb Carbody Counterweight  
137,850 lb Hanging Counterweight  
at 49.2 ft Position  
360 Degree Rating



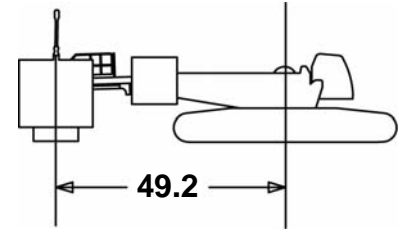
## 16000 MAX-ER

### 157.5 ft Boom, 98.4 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
50	73.2	260.6	286,100	343,200*c									50
55	70.1	258.8	254,000	322,900*b									55
60	66.9	256.7	228,100	293,100*b									60
65	63.7	254.3	206,600	268,800*b	69.0	257.2	195,200	330,800*b					65
70	60.4	251.4	188,600	248,600*	65.8	254.9	178,100	319,900*b					70
75	56.9	248.2	173,200	231,700*	62.6	252.4	163,600	303,500*	67.9	255.0	153,900	313,100b	75
80	53.3	244.5	159,900	217,400*	59.2	249.4	151,000	279,000*	64.7	252.7	142,000	288,900b	80
85	49.5	240.3	148,300	205,300*	55.7	246.0	140,000	258,800*	61.4	250.0	131,600	268,000	85
90	45.4	235.4	138,100	195,000*	52.0	242.2	130,300	242,000*	57.9	246.9	122,500	249,800	90
95	41.0	229.9	129,000	186,300*	48.1	237.7	121,700	227,900*	54.4	243.3	114,400	233,800	95
100	36.2	223.2	120,800	179,200*	43.9	232.7	114,000	215,900*	50.6	239.3	107,100	219,600	100
105	30.7	215.2	113,400	173,700*	39.4	226.7	107,100	205,700*	46.6	234.6	100,600	206,900	105
110	24.1	204.9	106,700	169,900*	34.4	219.7	100,800	195,400*	42.4	229.3	94,700	195,500	110
115	14.5	189.3	100,300	148,700*	28.6	211.1	95,000	182,300*	37.7	223.0	89,300	185,200	115
120					21.3	199.5	89,600	169,500*	32.4	215.4	84,300	175,800	120
125					8.8	178.7	84,300	141,400*	26.2	206.0	79,600	167,200	125
130									17.9	192.6	75,200	159,200	130
135													135
140													140
145													145
150													150
155													155
160													160
165													165
170													170

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

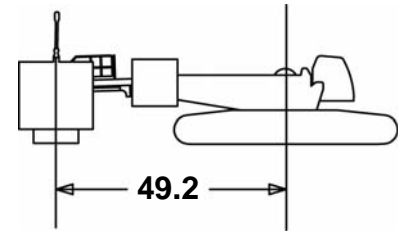
### 157.5 ft Boom, 98.4 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
50													50
55													55
60													60
65													65
70													70
75													75
80													80
85													85
90													90
95													95
100	60.3	245.8	95,600	210,400									100
105	56.9	242.6	89,700	198,300									105
110	53.3	238.9	84,400	187,400									110
115	49.4	234.7	79,500	177,500									115
120	45.4	229.8	75,100	168,500	55.5	236.9	65,900	161,200					120
125	41.0	224.2	71,000	160,300	51.9	233.0	62,200	153,400					125
130	36.2	217.6	67,200	152,800	48.0	228.5	58,900	146,200					130
135	30.7	209.6	63,600	145,800	43.8	223.4	55,700	139,600					135
140	24.0	199.2	60,300	139,400	39.3	217.5	52,800	133,500	50.1	225.5	45,300	127,500	140
145	14.4	183.6	57,000	133,300	34.2	210.4	50,100	127,800	46.1	220.7	42,900	122,100	145
150					28.4	201.7	47,500	122,500	41.8	215.3	40,600	117,100	150
155					21.0	190.0	45,000	117,500	37.1	208.9	38,500	112,400	155
160					8.1	168.4	42,300	112,600	31.7	201.1	36,500	108,000	160
165									25.3	191.3	34,500	103,800	165
170									16.5	177.1	32,500	99,800	170



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



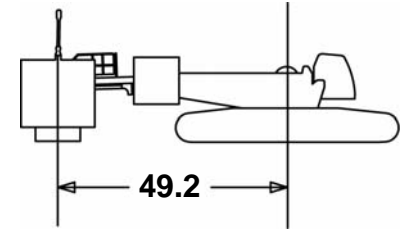
**16000 MAX-ER**

157.5 ft Boom, 118.1 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
55	73.6	279.7	253,600	305,800*b									55
60	71.0	278.0	227,500	295,200*b									60
65	68.4	276.0	205,900	269,300*									65
70	65.7	273.8	187,800	248,000*	70.1	276.4	176,900	296,600*b					70
75	63.0	271.2	172,400	230,100*	67.5	274.3	162,300	287,900*					75
80	60.2	268.4	159,100	215,000*	64.8	272.0	149,800	279,500*					80
85	57.3	265.2	147,500	202,000*	62.0	269.3	138,800	264,500*	66.5	272.1	130,100	266,600	85
90	54.4	261.6	137,300	190,800*	59.2	266.4	129,100	245,400*	63.8	269.7	121,000	248,400	90
95	51.3	257.7	128,200	181,200*	56.3	263.1	120,600	229,300*	61.0	266.9	112,900	232,500	95
100	48.0	253.2	120,100	172,800*	53.3	259.4	112,900	215,700*	58.2	263.8	105,700	218,300	100
105	44.6	248.2	112,800	165,500*	50.2	255.2	106,000	204,000*	55.3	260.4	99,200	205,700	105
110	40.9	242.6	106,200	159,300*	46.9	250.6	99,800	193,900*	52.2	256.6	93,300	194,300	110
115	37.0	236.1	100,200	154,100*	43.4	245.4	94,100	184,400*	49.0	252.3	88,000	184,100	115
120	32.6	228.6	94,700	146,700*	39.6	239.5	88,900	172,900*	45.6	247.4	83,100	174,700	120
125	27.5	219.5	89,600	139,100*	35.5	232.7	84,200	162,500*	42.0	242.0	78,600	166,200	125
130	21.4	207.8	84,800	132,900*	30.9	224.7	79,700	153,000*	38.2	235.8	74,500	158,400	130
135	12.4	189.9	80,200	117,800*	25.6	214.9	75,600	144,400*	33.9	228.6	70,700	151,300	135
140					18.8	201.8	71,700	133,800*	29.1	220.0	67,100	144,600	140
145					6.4	176.8	67,700	111,800*	23.4	209.3	63,700	138,400	145
150									15.6	194.1	60,400	131,000*	150
155													155
160													160
165													165
170													170
175													175
180													180
185													185
190													190

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

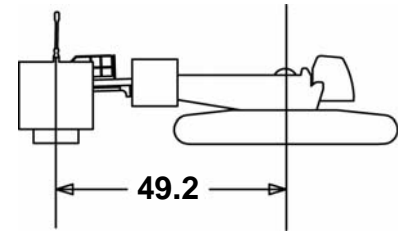
157.5 ft Boom, 118.1 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
55													55
60													60
65													65
70													70
75													75
80													80
85													85
90													90
95													95
100													100
105	63.0	265.6	87,800	196,600									105
110	60.2	262.8	82,600	185,800									110
115	57.3	259.6	77,800	176,000									115
120	54.3	256.0	73,400	167,000									120
125	51.2	252.1	69,400	158,900									125
130	48.0	247.6	65,700	151,500	56.2	253.9	56,900	144,500					130
135	44.6	242.6	62,200	144,600	53.2	250.2	53,800	138,000					135
140	40.9	236.9	59,000	138,300	50.1	246.0	51,000	131,900					140
145	36.9	230.5	56,100	132,400	46.7	241.4	48,400	126,300					145
150	32.5	222.9	53,300	126,900	43.2	236.2	45,900	121,100	51.8	242.8	38,600	115,400	150
155	27.5	213.8	50,600	121,800	39.5	230.2	43,600	116,300	48.6	238.4	36,500	110,800	155
160	21.3	202.1	48,100	117,000	35.4	223.4	41,400	111,700	45.2	233.6	34,600	106,500	160
165	12.3	184.1	45,500	112,400	30.8	215.3	39,300	107,500	41.6	228.0	32,800	102,400	165
170					25.4	205.4	37,300	103,400	37.6	221.7	31,100	98,600	170
175					18.5	192.2	35,300	99,600	33.3	214.4	29,500	95,000	175
180					5.5	165.9	33,200	95,800	28.4	205.6	27,900	91,600	180
185									22.5	194.4	26,300	88,400	185
190									14.3	178.2	24,800	85,200	190



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



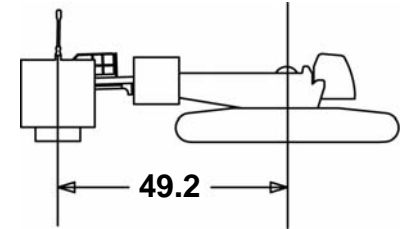
**16000 MAX-ER**

157.5 ft Boom, 137.8 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
60	73.8	298.8	227,100	272,900* <sup>b</sup>									60
65	71.6	297.1	205,400	265,100*									65
70	69.4	295.2	187,200	250,600*									70
75	67.1	293.1	171,700	231,500*	70.8	295.5	161,400	266,100*					75
80	64.8	290.8	158,400	215,400*	68.6	293.6	148,800	259,200*					80
85	62.5	288.2	146,700	201,700*	66.3	291.4	137,800	252,500*					85
90	60.1	285.3	136,500	189,800*	64.0	289.0	128,100	246,000*	67.8	291.4	119,800	247,200	90
95	57.6	282.2	127,400	179,500*	61.7	286.3	119,600	235,900*	65.5	289.2	111,700	231,300	95
100	55.1	278.7	119,300	170,500*	59.3	283.3	111,900	220,200*	63.2	286.6	104,500	217,200	100
105	52.5	274.9	112,100	162,500*	56.8	280.1	105,100	206,800*	60.8	283.9	98,000	204,600	105
110	49.8	270.7	105,500	155,500*	54.2	276.5	98,800	195,400*	58.4	280.8	92,200	193,200	110
115	47.0	266.1	99,500	149,400*	51.6	272.6	93,200	185,400*	55.9	277.4	86,900	183,000	115
120	44.0	261.0	94,100	142,700*	48.8	268.2	88,100	173,900*	53.3	273.7	82,000	173,700	120
125	40.8	255.3	89,100	134,500*	46.0	263.5	83,300	163,600*	50.6	269.7	77,600	165,300	125
130	37.5	248.9	84,500	127,000*	42.9	258.2	79,000	154,200*	47.8	265.2	73,500	157,500	130
135	33.8	241.7	80,200	120,200*	39.7	252.3	75,000	145,700*	44.9	260.2	69,700	150,400	135
140	29.7	233.3	76,200	114,100*	36.2	245.6	71,200	137,900*	41.8	254.7	66,200	143,800	140
145	25.1	223.2	72,500	109,100*	32.5	238.0	67,700	130,700*	38.5	248.6	62,900	137,700	145
150	19.3	210.2	68,900	104,900*	28.2	229.1	64,500	124,100*	34.9	241.6	59,900	132,000	150
155	10.6	189.9	65,400	95,700*	23.2	218.1	61,400	117,800*	31.0	233.6	57,000	126,700	155
160					16.8	203.6	58,400	108,600*	26.5	224.0	54,300	121,800	160
165					3.8	172.8	55,200	90,000*	21.1	212.1	51,700	116,000*	165
170									13.8	195.1	49,100	106,700*	170
175													175
180													180
185													185
190													190
195													195
200													200
205													205
210													210

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



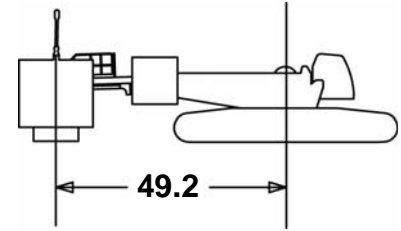
## 16000 MAX-ER

157.5 ft Boom, 137.8 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
60													60
65													65
70													70
75													75
80													80
85													85
90													90
95													95
100													100
105													105
110													110
115	62.5	282.6	76,400	174,700									115
120	60.1	279.7	72,000	165,800									120
125	57.6	276.6	68,000	157,700									125
130	55.1	273.1	64,300	150,300									130
135	52.5	269.3	60,900	143,500									135
140	49.8	265.1	57,800	137,200	56.7	270.9	49,500	130,700					140
145	46.9	260.5	54,900	131,400	54.1	267.3	46,900	125,100					145
150	44.0	255.4	52,100	125,900	51.5	263.4	44,500	119,900					150
155	40.8	249.7	49,600	120,900	48.7	259.0	42,200	115,100					155
160	37.5	243.3	47,200	116,200	45.9	254.2	40,100	110,600	52.9	260.0	33,100	105,100	160
165	33.8	236.0	44,900	111,800	42.8	248.9	38,100	106,400	50.3	255.9	31,300	101,100	165
170	29.7	227.6	42,700	107,600	39.6	243.0	36,200	102,500	47.4	251.4	29,600	97,400	170
175	25.0	217.5	40,700	103,700	36.1	236.3	34,400	98,700	44.5	246.3	28,100	93,800	175
180	19.2	204.5	38,700	100,000	32.3	228.7	32,600	95,200	41.4	240.8	26,600	90,500	180
185	10.5	184.1	36,600	96,300	28.1	219.7	31,000	91,900	38.1	234.5	25,200	87,300	185
190					23.0	208.7	29,400	88,700	34.4	227.4	23,800	84,400	190
195					16.6	193.9	27,800	85,700	30.5	219.2	22,500	81,500	195
200									25.9	209.4	21,200	78,800	200
205									20.3	197.1	20,000	76,200	205
210									12.5	178.8	18,700	73,700	210

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
with 98.4 ft Mast No. 59A  
332,000 lb Crane Counterweight  
120,000 lb Carbody Counterweight  
137,850 lb Hanging Counterweight  
at 49.2 ft Position  
360 Degree Rating



## 16000 MAX-ER

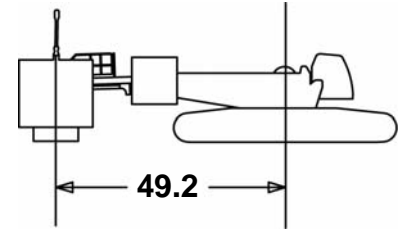
157.5 ft Boom, 157.5 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
65	74.0	317.8	204,600	234,700*									65
70	72.1	316.2	186,200	227,500*									70
75	70.1	314.4	170,700	219,500*									75
80	68.2	312.4	157,300	210,900*									80
85	66.2	310.2	145,600	201,700*	69.5	312.8	136,400	229,400*					85
90	64.2	307.8	135,300	190,000*	67.5	310.7	126,700	228,600*					90
95	62.1	305.2	126,200	178,900*	65.5	308.4	118,100	223,400*					95
100	60.0	302.3	118,100	169,400*	63.5	306.0	110,500	217,000*	66.8	308.5	102,800	215,700	100
105	57.9	299.2	110,900	161,000*	61.4	303.2	103,600	208,100*	64.8	306.2	96,300	203,100	105
110	55.7	295.8	104,300	153,600*	59.3	300.3	97,400	197,200	62.7	303.6	90,500	191,800	110
115	53.4	292.1	98,300	146,800*	57.1	297.1	91,800	185,000*	60.6	300.8	85,200	181,600	115
120	51.1	288.1	92,900	138,800*	54.9	293.6	86,600	173,500*	58.5	297.8	80,400	172,300	120
125	48.7	283.7	87,900	131,200*	52.6	289.8	81,900	163,200*	56.3	294.5	76,000	163,900	125
130	46.2	279.0	83,300	124,000*	50.3	285.7	77,600	153,800*	54.1	290.9	71,900	156,100	130
135	43.5	273.8	79,100	117,400*	47.8	281.2	73,600	145,400*	51.8	287.0	68,100	149,000	135
140	40.8	268.1	75,200	111,300*	45.3	276.3	69,900	137,600*	49.4	282.7	64,700	142,500	140
145	37.9	261.8	71,500	105,600*	42.6	270.9	66,500	130,500*	46.9	278.1	61,400	136,400	145
150	34.7	254.7	68,100	100,400*	39.8	265.0	63,300	124,000*	44.3	273.0	58,400	130,800	150
155	31.3	246.7	64,900	95,700*	36.8	258.5	60,300	118,000*	41.6	267.5	55,600	125,500	155
160	27.5	237.5	61,900	91,600*	33.6	251.1	57,400	112,300*	38.7	261.4	53,000	120,600	160
165	23.0	226.4	59,000	88,000*	30.0	242.7	54,800	107,100*	35.7	254.6	50,500	116,000	165
170	17.6	212.2	56,300	85,300*	26.0	233.0	52,200	102,200*	32.3	246.9	48,100	110,700*	170
175	9.0	189.4	53,500	78,400*	21.3	221.0	49,800	97,500*	28.6	238.0	45,900	105,600*	175
180					15.2	205.0	47,500	89,300*	24.4	227.6	43,700	100,700*	180
185									19.3	214.5	41,700	96,100*	185
190									12.2	195.7	39,600	87,900*	190
195													195
200													200
205													205
210													210
215													215
220													220
225													225
230													230



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

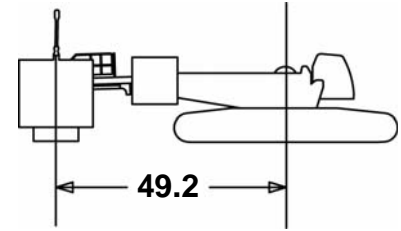
157.5 ft Boom, 157.5 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
65													65
70													70
75													75
80													80
85													85
90													90
95													95
100													100
105													105
110													110
115													115
120													120
125	62.1	299.5	66,100	156,100									125
130	60.0	296.7	62,400	148,700									130
135	57.9	293.5	59,100	141,900									135
140	55.7	290.1	55,900	135,600									140
145	53.4	286.5	53,000	129,800									145
150	51.1	282.5	50,400	124,500	57.1	287.9	42,400	118,200					150
155	48.7	278.1	47,800	119,400	54.8	284.4	40,200	113,400					155
160	46.2	273.4	45,500	114,800	52.5	280.6	38,100	109,000					160
165	43.5	268.1	43,300	110,400	50.2	276.5	36,100	104,800					165
170	40.8	262.4	41,200	106,300	47.7	272.0	34,300	100,900					170
175	37.8	256.1	39,200	102,400	45.2	267.1	32,500	97,200	51.5	273.2	26,000	92,100	175
180	34.7	249.1	37,300	98,800	42.5	261.7	30,900	93,800	49.1	268.9	24,500	88,800	180
185	31.3	241.1	35,500	95,300	39.7	255.8	29,300	90,500	46.6	264.2	23,100	85,700	185
190	27.4	231.8	33,800	92,100	36.7	249.2	27,800	87,400	44.0	259.1	21,800	82,800	190
195	23.0	220.7	32,200	89,000	33.5	241.8	26,400	84,400	41.3	253.5	20,600	80,000	195
200	17.5	206.5	30,500	86,000	29.9	233.4	25,000	81,700	38.4	247.3	19,400	77,300	200
205	8.9	183.5	28,800	83,100	25.9	223.6	23,700	79,000	35.2	240.4	18,300	74,800	205
210					21.1	211.5	22,400	76,400	31.9	232.6	17,200	72,400	210
215					15.0	195.3	21,100	74,000	28.1	223.6	16,100	70,100	215
220									23.8	212.9	15,100	67,900	220
225									18.6	199.3	14,000	65,700	225
230									11.0	179.0	12,900	63,600	230



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

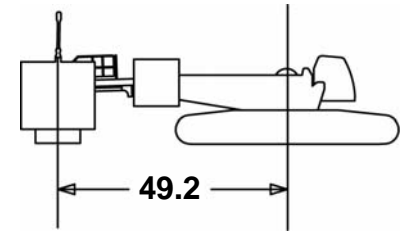
157.5 ft Boom, 177.2 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
75	72.4	335.3	169,800	194,800*									75
80	70.7	333.5	156,400	188,900*									80
85	69.0	331.6	144,600	182,600*									85
90	67.2	329.5	134,300	176,100*	70.1	332.0	125,500	189,000*					90
95	65.5	327.3	125,200	169,100*	68.4	330.0	116,900	189,000*					95
100	63.7	324.8	117,100	162,000*	66.6	327.8	109,200	189,000*					100
105	61.8	322.1	109,800	154,900*	64.8	325.5	102,400	188,800*	67.8	327.8	95,000	180,300*	105
110	60.0	319.2	103,200	147,700*	63.0	322.9	96,200	183,400*	66.0	325.6	89,100	180,300*	110
115	58.1	316.1	97,200	140,600*	61.2	320.2	90,500	176,800*	64.2	323.2	83,800	180,300*	115
120	56.1	312.8	91,800	133,800*	59.3	317.2	85,400	169,800*	62.4	320.6	79,000	171,100	120
125	54.1	309.2	86,800	127,200*	57.4	314.0	80,700	162,800*	60.5	317.8	74,600	162,700	125
130	52.1	305.3	82,200	120,900*	55.4	310.6	76,400	153,700*	58.6	314.7	70,500	155,000	130
135	50.0	301.2	78,000	114,800*	53.4	306.9	72,400	145,200*	56.7	311.5	66,800	147,900	135
140	47.8	296.7	74,100	109,100*	51.4	303.0	68,700	137,400*	54.7	308.0	63,300	141,300	140
145	45.5	291.8	70,500	103,700*	49.2	298.7	65,300	130,300*	52.7	304.2	60,100	135,300	145
150	43.2	286.5	67,100	98,700*	47.0	294.1	62,100	123,800*	50.6	300.1	57,100	129,700	150
155	40.7	280.8	63,900	94,000*	44.7	289.1	59,100	117,800*	48.4	295.7	54,300	124,400	155
160	38.1	274.6	61,000	89,600*	42.4	283.7	56,300	112,200*	46.2	291.0	51,700	119,600	160
165	35.4	267.7	58,200	85,600*	39.9	277.8	53,700	107,000*	43.9	285.8	49,300	115,000	165
170	32.4	260.0	55,600	81,900*	37.2	271.3	51,300	102,200*	41.5	280.2	46,900	110,500*	170
175	29.2	251.3	53,100	78,500*	34.4	264.1	48,900	97,600*	38.9	274.1	44,800	105,500*	175
180	25.6	241.3	50,700	75,600*	31.3	256.1	46,700	93,400*	36.2	267.4	42,700	100,700*	180
185	21.4	229.3	48,400	73,000*	28.0	247.1	44,600	89,300*	33.3	260.0	40,700	96,300*	185
190	16.1	213.8	46,200	71,100*	24.2	236.5	42,600	85,500*	30.2	251.7	38,900	92,100*	190
195	7.7	188.2	44,000	64,900*	19.7	223.5	40,700	81,800*	26.7	242.1	37,100	88,200*	195
200					13.8	206.0	38,700	74,400*	22.7	230.8	35,300	84,400*	200
205									17.8	216.6	33,700	80,800*	205
210									10.9	195.8	32,000	73,300*	210
215													215
220													220
225													225
230													230
235													235
240													240
245													245
250													250



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

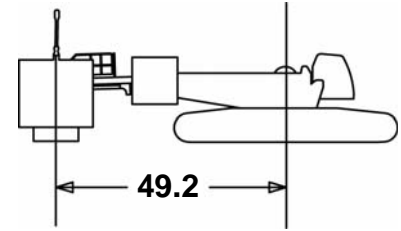
157.5 ft Boom, 177.2 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
75													75
80													80
85													85
90													90
95													95
100													100
105													105
110													110
115													115
120													120
125													125
130													130
135	61.8	316.5	57,500	140,600									135
140	59.9	313.6	54,400	134,300									140
145	58.0	310.5	51,500	128,600									145
150	56.1	307.2	48,900	123,200									150
155	54.1	303.6	46,400	118,200									155
160	52.1	299.7	44,000	113,500	57.3	304.9	36,400	107,600					160
165	50.0	295.5	41,800	109,200	55.4	301.5	34,500	103,500					165
170	47.8	291.0	39,800	105,100	53.4	297.8	32,700	99,600					170
175	45.5	286.2	37,800	101,300	51.3	293.8	30,900	95,900					175
180	43.2	280.9	36,000	97,700	49.2	289.5	29,300	92,500					180
185	40.7	275.2	34,200	94,200	47.0	284.9	27,800	89,200	52.4	290.4	21,500	84,300	185
190	38.1	268.9	32,600	91,000	44.7	279.9	26,300	86,200	50.3	286.3	20,200	81,400	190
195	35.4	262.0	31,000	88,000	42.3	274.4	24,900	83,300	48.2	281.9	19,000	78,600	195
200	32.4	254.3	29,500	85,100	39.8	268.5	23,600	80,500	45.9	277.1	17,800	76,000	200
205	29.2	245.6	28,000	82,300	37.1	262.0	22,300	77,900	43.6	271.9	16,700	73,500	205
210	25.5	235.6	26,600	79,700	34.3	254.9	21,100	75,400	41.2	266.2	15,700	71,200	210
215	21.3	223.6	25,300	77,200	31.2	246.8	20,000	73,000	38.6	260.1	14,700	68,900	215
220	16.1	208.1	23,900	74,700	27.9	237.7	18,800	70,700	35.9	253.3	13,700	66,700	220
225	7.6	182.3	22,500	72,300	24.1	227.1	17,700	68,500	32.9	245.7	12,800	64,700	225
230					19.6	214.0	16,700	66,400	29.7	237.3	11,800	62,700	230
235					13.6	196.2	15,600	64,400	26.2	227.5	11,000	60,800	235
240									22.1	215.9	10,100	59,000	240
245									17.1	201.2	9,200	57,200	245
250									9.6	178.7	8,300	55,400	250



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



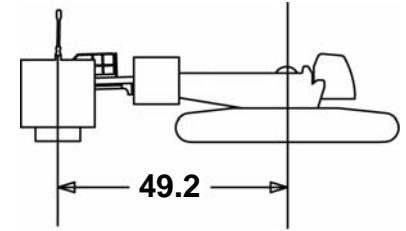
**16000 MAX-ER**

157.5 ft Boom, 196.9 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
85	71.2	352.7	143,400	162,200*									85
90	69.6	350.8	133,000	158,400*									90
95	68.1	348.8	123,900	153,500*	70.7	351.1	115,400	156,900*					95
100	66.5	346.6	115,700	148,300*	69.1	349.2	107,700	156,900*					100
105	64.9	344.3	108,400	143,100*	67.5	347.1	100,800	156,800*					105
110	63.2	341.8	101,800	137,700*	65.9	344.9	94,600	156,600*					110
115	61.6	339.1	95,900	132,200*	64.3	342.5	89,000	156,400*	67.0	345.0	82,100	149,400*	115
120	59.9	336.2	90,400	126,700*	62.7	339.9	83,800	153,300*	65.4	342.7	77,300	149,400*	120
125	58.2	333.1	85,400	121,300*	61.0	337.1	79,100	148,100*	63.7	340.2	72,800	149,400*	125
130	56.5	329.8	80,900	116,000*	59.3	334.2	74,800	142,800*	62.1	337.6	68,800	149,400*	130
135	54.7	326.3	76,600	110,700*	57.6	331.0	70,800	137,600*	60.4	334.7	65,100	146,400	135
140	52.9	322.5	72,700	105,800*	55.8	327.7	67,200	132,600*	58.7	331.7	61,600	139,900	140
145	51.0	318.5	69,100	101,000*	54.1	324.0	63,800	127,700*	57.0	328.5	58,400	133,800	145
150	49.1	314.2	65,700	96,400*	52.2	320.2	60,600	122,700*	55.2	325.0	55,400	128,200	150
155	47.1	309.6	62,600	92,100*	50.3	316.1	57,600	116,700*	53.4	321.3	52,700	123,000	155
160	45.0	304.6	59,600	87,900*	48.4	311.7	54,800	111,200*	51.5	317.4	50,000	118,200	160
165	42.9	299.3	56,900	84,000*	46.4	307.0	52,200	106,000*	49.6	313.1	47,600	113,600	165
170	40.7	293.6	54,300	80,400*	44.3	301.9	49,800	101,200*	47.7	308.6	45,300	109,400	170
175	38.4	287.3	51,800	77,000*	42.2	296.4	47,500	96,700*	45.7	303.8	43,200	104,400*	175
180	35.9	280.6	49,500	73,800*	39.9	290.5	45,300	92,500*	43.6	298.6	41,100	99,700*	180
185	33.3	273.1	47,300	70,800*	37.5	284.1	43,200	88,500*	41.4	293.0	39,200	95,400*	185
190	30.5	264.8	45,200	68,100*	35.0	277.1	41,300	84,800*	39.1	286.9	37,300	91,300*	190
195	27.4	255.5	43,200	65,700*	32.4	269.4	39,400	81,300*	36.7	280.3	35,600	87,400*	195
200	24.0	244.8	41,300	63,500*	29.5	260.8	37,600	78,000*	34.1	273.0	33,900	83,700*	200
205	19.9	231.9	39,500	61,700*	26.3	251.0	35,900	74,800*	31.4	265.0	32,400	80,300*	205
210	14.9	215.1	37,700	60,300*	22.7	239.6	34,300	71,700*	28.4	256.1	30,800	77,000*	210
215	6.3	186.4	35,800	53,500*	18.3	225.7	32,700	68,600*	25.0	245.8	29,400	73,900*	215
220					12.6	206.7	31,100	61,900*	21.2	233.6	28,000	70,900*	220
225									16.5	218.4	26,600	68,000*	225
230									9.7	195.6	25,100	61,000*	230
235													235
240													240
245													245
250													250
255													255
260													260
265													265
270													270

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

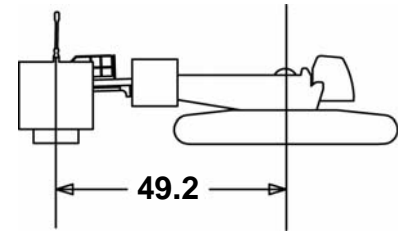
157.5 ft Boom, 196.9 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
85													85
90													90
95													95
100													100
105													105
110													110
115													115
120													120
125													125
130													130
135													135
140													140
145	61.6	333.5	49,600	126,900									145
150	59.9	330.6	46,900	121,600									150
155	58.2	327.5	44,400	116,600									155
160	56.4	324.2	42,100	112,000									160
165	54.7	320.7	39,900	107,700									165
170	52.8	316.9	37,900	103,600	57.5	321.9	30,600	97,900					170
175	51.0	312.9	36,000	99,800	55.8	318.5	28,900	94,300					175
180	49.1	308.6	34,200	96,200	54.0	314.9	27,300	90,800					180
185	47.1	304.0	32,400	92,800	52.2	311.0	25,800	87,600					185
190	45.0	299.0	30,800	89,600	50.3	306.9	24,300	84,600					190
195	42.9	293.7	29,300	86,600	48.3	302.5	23,000	81,700					195
200	40.7	287.9	27,800	83,700	46.3	297.7	21,700	78,900	51.3	303.6	15,700	74,300	200
205	38.4	281.7	26,400	80,900	44.2	292.6	20,400	76,300	49.4	299.4	14,600	71,800	205
210	35.9	274.9	25,000	78,400	42.1	287.2	19,300	73,900	47.4	294.8	13,600	69,500	210
215	33.3	267.5	23,700	75,900	39.8	281.3	18,100	71,500	45.4	289.9	12,600	67,300	215
220	30.5	259.2	22,500	73,500	37.5	274.8	17,100	69,300	43.3	284.7	11,700	65,100	220
225	27.4	249.9	21,300	71,300	35.0	267.8	16,000	67,100	41.1	279.0	10,800	63,100	225
230	23.9	239.1	20,200	69,100	32.3	260.1	15,000	65,100	38.8	272.9	9,900	61,200	230
235	19.9	226.2	19,000	67,000	29.4	251.4	14,000	63,100	36.3	266.2	9,100	59,300	235
240	14.8	209.4	17,900	65,000	26.2	241.6	13,100	61,200	33.8	258.8	8,300	57,500	240
245	6.2	180.4	16,700	61,300*	22.5	230.2	12,200	59,400	31.0	250.7	7,500	55,800	245
250					18.2	216.2	11,300	57,600	28.0	241.6	6,800	54,100	250
255					12.4	196.9	10,300	55,900	24.6	231.1	6,000	52,500	255
260									20.7	218.6	5,300	51,000	260
265									15.8	202.8	4,500	49,500	265
270									8.4	177.9	3,700	47,900	270



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



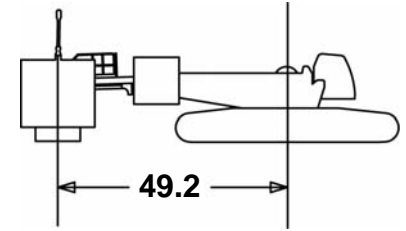
**16000 MAX-ER**

157.5 ft Boom, 216.5 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
100	68.7	368.0	114,300	133,600*									100
105	67.3	365.9	106,900	129,800*	69.7	368.4	99,100	131,200*					105
110	65.9	363.7	100,300	125,900*	68.2	366.4	92,900	130,900*					110
115	64.4	361.3	94,300	121,800*	66.8	364.2	87,300	130,600*					115
120	62.9	358.8	88,900	117,800*	65.4	361.9	82,100	130,300*	67.7	364.2	75,400	124,900*	120
125	61.4	356.0	83,900	113,600*	63.9	359.5	77,400	130,000*	66.3	362.0	71,000	124,900*	125
130	59.9	353.1	79,300	109,400*	62.4	356.9	73,100	129,600*	64.8	359.7	67,000	124,900*	130
135	58.3	350.1	75,000	105,300*	60.9	354.1	69,100	129,200*	63.3	357.2	63,200	124,900*	135
140	56.7	346.8	71,100	101,200*	59.3	351.1	65,500	125,600*	61.8	354.5	59,800	124,900*	140
145	55.1	343.3	67,500	97,200*	57.8	348.0	62,000	121,600*	60.3	351.7	56,600	124,900*	145
150	53.5	339.6	64,100	93,200*	56.2	344.7	58,900	117,500*	58.8	348.7	53,600	124,900*	150
155	51.8	335.7	61,000	89,400*	54.6	341.1	55,900	113,300*	57.2	345.5	50,800	121,500	155
160	50.1	331.6	58,000	85,700*	52.9	337.4	53,100	109,100*	55.6	342.0	48,300	116,700	160
165	48.3	327.2	55,300	82,200*	51.2	333.4	50,500	104,300*	54.0	338.4	45,800	112,100	165
170	46.5	322.5	52,700	78,900*	49.5	329.1	48,100	99,800*	52.3	334.6	43,500	107,800*	170
175	44.6	317.4	50,300	75,700*	47.7	324.6	45,800	95,300*	50.6	330.5	41,400	103,000*	175
180	42.7	312.1	47,900	72,600*	45.9	319.8	43,600	91,100*	48.8	326.2	39,300	98,300*	180
185	40.7	306.3	45,800	69,800*	44.0	314.7	41,600	87,200*	47.0	321.5	37,400	94,000*	185
190	38.6	300.1	43,700	67,000*	42.0	309.2	39,700	83,500*	45.2	316.6	35,600	89,900*	190
195	36.4	293.4	41,700	64,500*	40.0	303.3	37,800	80,000*	43.3	311.4	33,900	86,100*	195
200	34.0	286.2	39,900	62,100*	37.8	296.9	36,100	76,800*	41.3	305.7	32,200	82,500*	200
205	31.5	278.2	38,100	59,900*	35.6	290.0	34,400	73,700*	39.2	299.7	30,700	79,100*	205
210	28.8	269.3	36,400	57,900*	33.2	282.5	32,800	70,700*	37.0	293.1	29,200	75,800*	210
215	25.9	259.4	34,800	56,100*	30.6	274.3	31,300	67,900*	34.7	286.0	27,800	72,800*	215
220	22.6	247.9	33,200	54,500*	27.9	265.1	29,800	65,300*	32.3	278.3	26,400	69,900*	220
225	18.7	234.1	31,700	53,100*	24.8	254.7	28,400	62,700*	29.7	269.7	25,100	67,200*	225
230	13.8	216.2	30,100	51,600*	21.3	242.5	27,000	60,200*	26.8	260.1	23,800	64,500*	230
235	5.0	183.5	28,500	43,600*	17.2	227.6	25,700	57,100*	23.6	249.2	22,600	62,000*	235
240					11.6	207.1	24,300	51,300*	19.9	236.2	21,400	59,600*	240
245									15.4	219.8	20,200	57,100*	245
250									8.7	194.9	19,000	50,600*	250
255													255
260													260
265													265
270													270
275													275
280													280
285													285
290													290

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

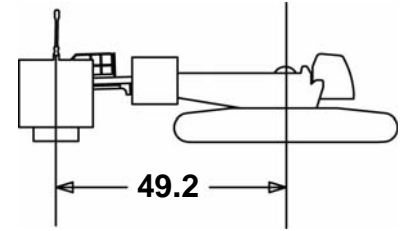
157.5 ft Boom, 216.5 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
100													100
105													105
110													110
115													115
120													120
125													125
130													130
135													135
140													140
145													145
150	62.9	353.1	44,900	113,600*									150
155	61.4	350.4	42,500	113,600*									155
160	59.9	347.5	40,200	110,400									160
165	58.3	344.5	38,000	106,100									165
170	56.7	341.2	36,000	102,000									170
175	55.1	337.7	34,000	98,200									175
180	53.5	334.0	32,200	94,600	57.7	338.9	25,200	89,200					180
185	51.8	330.1	30,500	91,200	56.1	335.5	23,700	86,000					185
190	50.1	326.0	28,900	88,000	54.5	332.0	22,300	82,900					190
195	48.3	321.5	27,400	85,000	52.9	328.2	21,000	80,000					195
200	46.5	316.8	25,900	82,200	51.2	324.2	19,700	77,300					200
205	44.6	311.8	24,500	79,400	49.4	319.9	18,500	74,700					205
210	42.7	306.4	23,200	76,900	47.6	315.4	17,300	72,300	52.1	320.8	11,500	67,800	210
215	40.7	300.7	21,900	74,400	45.8	310.6	16,200	69,900	50.4	316.7	10,600	65,600	215
220	38.5	294.5	20,700	72,100	43.9	305.4	15,100	67,700	48.6	312.4	9,600	63,500	220
225	36.3	287.8	19,600	69,800	41.9	299.9	14,100	65,600	46.8	307.7	8,800	61,500	225
230	34.0	280.5	18,500	67,700	39.9	294.0	13,100	63,600	44.9	302.7	7,900	59,500	230
235	31.5	272.5	17,400	65,600	37.7	287.6	12,200	61,600	43.0	297.4	7,100	57,700	235
240	28.8	263.7	16,400	63,700	35.5	280.7	11,300	59,800	41.0	291.7	6,300	55,900	240
245	25.9	253.7	15,300	61,800	33.1	273.2	10,400	58,000	38.9	285.6	5,600	54,200	245
250	22.6	242.2	14,400	60,000	30.5	265.0	9,600	56,200	36.7	279.0	4,800	52,600	250
255	18.7	228.4	13,400	58,200	27.8	255.7	8,800	54,600	34.4	271.9	4,100	51,000	255
260	13.7	210.4	12,400	56,500	24.7	245.3	8,000	53,000	32.0	264.0	3,500	49,500	260
265	4.9	177.5	11,300	50,700*	21.2	233.1	7,200	51,400	29.3	255.3	2,800	48,100	265
270					17.0	218.0	6,400	49,900	26.4	245.6	2,200	46,600	270
275					11.3	197.2	5,600	48,400	23.2	234.4	1,500	45,300	275
280									19.4	221.1		44,000	280
285									14.7	204.1		42,700	285
290									7.3	176.6		41,300	290



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

157.5 ft Boom, 236.2 ft Luffing Jib

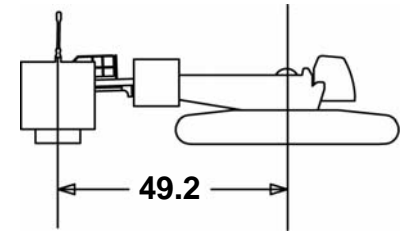
Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
110	68.0	385.2	98,900	112,900*	70.1	387.5	91,300	110,800*					110
115	66.7	383.0	92,900	110,500*	68.8	385.6	85,700	110,500*					115
120	65.3	380.8	87,400	107,400*	67.5	383.5	80,500	110,100*					120
125	64.0	378.3	82,400	104,300*	66.2	381.3	75,800	109,700*					125
130	62.6	375.7	77,800	101,100*	64.9	379.0	71,500	109,200*	67.1	381.4	65,200	105,300*	130
135	61.2	373.0	73,600	97,900*	63.5	376.5	67,600	108,700*	65.7	379.1	61,500	105,200*	135
140	59.8	370.1	69,700	94,700*	62.1	373.9	63,900	108,300*	64.4	376.7	58,100	105,100*	140
145	58.4	367.0	66,100	91,500*	60.8	371.1	60,500	107,800*	63.0	374.2	54,900	104,900*	145
150	57.0	363.8	62,700	88,300*	59.3	368.1	57,300	107,300*	61.7	371.5	51,900	104,700*	150
155	55.5	360.4	59,600	85,100*	57.9	365.0	54,300	105,300*	60.3	368.6	49,100	104,400*	155
160	54.0	356.8	56,600	82,000*	56.5	361.7	51,600	102,200*	58.8	365.6	46,600	104,200*	160
165	52.5	352.9	53,900	79,000*	55.0	358.2	49,000	99,000*	57.4	362.4	44,100	103,900*	165
170	50.9	348.9	51,300	76,100*	53.5	354.5	46,600	95,800*	55.9	359.1	41,900	103,600*	170
175	49.3	344.6	48,800	73,200*	51.9	350.6	44,300	92,600*	54.4	355.5	39,700	101,400*	175
180	47.7	340.1	46,500	70,500*	50.4	346.5	42,100	89,400*	52.9	351.7	37,700	97,000*	180
185	46.0	335.3	44,400	67,900*	48.8	342.1	40,100	86,300*	51.4	347.8	35,800	92,800*	185
190	44.3	330.2	42,300	65,400*	47.1	337.5	38,200	82,600*	49.8	343.6	34,000	88,900*	190
195	42.5	324.8	40,400	63,000*	45.4	332.6	36,300	79,100*	48.2	339.1	32,300	85,100*	195
200	40.6	319.1	38,500	60,700*	43.7	327.4	34,600	75,800*	46.5	334.4	30,600	81,500*	200
205	38.7	312.9	36,800	58,600*	41.9	321.9	32,900	72,700*	44.8	329.4	29,100	78,100*	205
210	36.7	306.3	35,100	56,600*	40.0	316.0	31,400	69,700*	43.0	324.1	27,600	74,800*	210
215	34.6	299.1	33,500	54,600*	38.0	309.7	29,900	67,000*	41.2	318.5	26,200	71,800*	215
220	32.4	291.4	32,000	52,800*	36.0	302.9	28,400	64,300*	39.3	312.4	24,900	68,900*	220
225	30.0	282.9	30,500	51,200*	33.8	295.6	27,000	61,800*	37.3	306.0	23,600	66,200*	225
230	27.4	273.5	29,100	49,600*	31.5	287.6	25,700	59,300*	35.2	299.0	22,400	63,500*	230
235	24.6	263.0	27,700	48,200*	29.1	278.8	24,400	57,000*	33.0	291.4	21,200	61,100*	235
240	21.4	250.8	26,400	47,000*	26.4	269.1	23,200	54,800*	30.7	283.2	20,000	58,700*	240
245	17.6	236.2	25,100	46,000*	23.5	258.0	22,000	52,700*	28.2	274.1	18,900	56,400*	245
250	12.8	216.9	23,800	42,500*	20.1	245.1	20,900	50,600*	25.4	263.9	17,900	54,200*	250
255	3.5	179.1	22,400	35,000*	16.1	229.3	19,700	47,500*	22.4	252.3	16,800	52,100*	255
260					10.6	207.1	18,600	42,400*	18.8	238.5	15,800	50,000*	260
265									14.4	221.0	14,800	47,600*	265
270									7.7	193.8	13,700	41,800*	270
275													275
280													280
285													285
290													290
295													295
300													300
305													305
310													310





# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

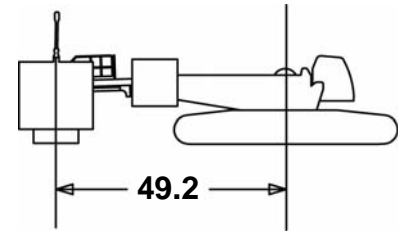
157.5 ft Boom, 236.2 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
110													110
115													115
120													120
125													125
130													130
135													135
140													140
145													145
150													150
155													155
160	62.6	370.1	38,200	95,800*									160
165	61.2	367.4	36,100	95,800*									165
170	59.8	364.5	34,100	95,800*									170
175	58.4	361.4	32,200	95,800*									175
180	57.0	358.2	30,400	93,100									180
185	55.5	354.8	28,700	89,700									185
190	54.0	351.1	27,100	86,600	57.9	355.8	20,300	81,300					190
195	52.5	347.3	25,600	83,600	56.4	352.5	19,000	78,400					195
200	50.9	343.3	24,100	80,700	54.9	349.0	17,700	75,700					200
205	49.3	339.0	22,800	78,000	53.4	345.3	16,500	73,200					205
210	47.7	334.5	21,500	75,400	51.9	341.4	15,400	70,700					210
215	46.0	329.7	20,200	73,000	50.3	337.3	14,300	68,400					215
220	44.3	324.6	19,000	70,700	48.7	332.9	13,200	66,200	52.7	338.0	7,600	61,800	220
225	42.5	319.2	17,900	68,500	47.1	328.3	12,200	64,100	51.2	334.0	6,700	59,800	225
230	40.6	313.4	16,800	66,300	45.4	323.4	11,300	62,100	49.6	329.8	5,900	57,900	230
235	38.7	307.3	15,700	64,300	43.6	318.2	10,400	60,100	48.0	325.3	5,100	56,100	235
240	36.7	300.6	14,700	62,400	41.8	312.7	9,500	58,300	46.3	320.6	4,400	54,300	240
245	34.6	293.5	13,800	60,500	39.9	306.8	8,600	56,500	44.6	315.5	3,600	52,700	245
250	32.3	285.7	12,800	58,700	38.0	300.4	7,800	54,800	42.8	310.2	2,900	51,000	250
255	30.0	277.3	11,900	57,000	35.9	293.6	7,000	53,200	41.0	304.5	2,300	49,500	255
260	27.4	267.9	11,000	55,300	33.8	286.3	6,300	51,600	39.0	298.4	1,600	48,000	260
265	24.5	257.3	10,200	53,700	31.5	278.3	5,500	50,100	37.0	291.9		46,600	265
270	21.3	245.1	9,400	51,700*	29.0	269.5	4,800	48,700	35.0	284.8		45,200	270
275	17.6	230.5	8,500	49,700*	26.4	259.7	4,100	47,300	32.7	277.2		43,900	275
280	12.8	211.2	7,700	47,700*	23.4	248.6	3,400	45,900	30.4	268.8		42,600	280
285	3.4	172.8	6,700	41,500*	20.0	235.6	2,800	44,600	27.8	259.6		41,300	285
290					16.0	219.6	2,100	43,300	25.0	249.3		40,100	290
295					10.4	197.2		42,000	21.9	237.4		39,000	295
300									18.3	223.3		37,800	300
305									13.7	205.1		36,700	305
310									6.2	174.7		35,500	310



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



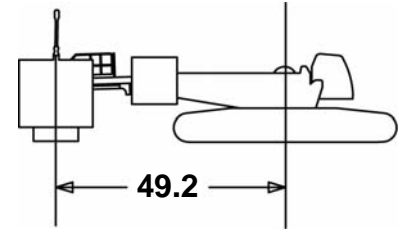
**16000 MAX-ER**

157.5 ft Boom, 255.9 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
125	66.1	400.1	81,100	94,400*	68.1	402.8	74,400	93,100*					125
130	64.9	397.8	76,500	92,200*	66.9	400.6	70,100	92,700*					130
135	63.6	395.3	72,300	89,700*	65.7	398.4	66,100	92,200*	67.7	400.6	60,000	89,000*	135
140	62.4	392.7	68,400	87,200*	64.5	396.0	62,400	91,800*	66.5	398.5	56,500	88,800*	140
145	61.1	390.0	64,700	84,700*	63.2	393.5	59,000	91,300*	65.3	396.2	53,300	88,600*	145
150	59.8	387.1	61,400	82,100*	61.9	390.8	55,900	90,900*	64.0	393.7	50,400	88,400*	150
155	58.5	384.0	58,200	79,600*	60.7	388.0	52,900	90,400*	62.8	391.2	47,600	88,200*	155
160	57.2	380.8	55,300	77,100*	59.4	385.1	50,200	89,900*	61.5	388.5	45,000	87,900*	160
165	55.8	377.4	52,500	74,700*	58.0	382.0	47,600	89,500*	60.2	385.6	42,600	87,600*	165
170	54.4	373.8	49,900	72,200*	56.7	378.7	45,100	89,000*	58.9	382.6	40,300	87,300*	170
175	53.0	370.1	47,500	69,800*	55.3	375.2	42,900	86,600*	57.6	379.4	38,200	87,000*	175
180	51.6	366.1	45,200	67,500*	54.0	371.6	40,700	84,100*	56.2	376.1	36,200	86,700*	180
185	50.2	362.0	43,100	65,200*	52.6	367.8	38,700	81,600*	54.8	372.6	34,300	86,400*	185
190	48.7	357.6	41,000	62,900*	51.1	363.8	36,700	79,100*	53.5	368.9	32,500	86,100*	190
195	47.2	353.0	39,100	60,800*	49.7	359.6	34,900	76,600*	52.0	365.0	30,800	83,300*	195
200	45.6	348.2	37,200	58,700*	48.2	355.1	33,200	74,300*	50.6	360.9	29,200	79,900*	200
205	44.0	343.0	35,500	56,800*	46.6	350.4	31,500	71,200*	49.1	356.6	27,600	76,500*	205
210	42.3	337.6	33,800	54,900*	45.0	345.5	30,000	68,300*	47.6	352.1	26,200	73,300*	210
215	40.6	331.8	32,200	53,100*	43.4	340.2	28,500	65,500*	46.1	347.3	24,800	70,300*	215
220	38.8	325.7	30,700	51,400*	41.7	334.7	27,100	62,900*	44.5	342.2	23,400	67,400*	220
225	37.0	319.1	29,200	49,700*	40.0	328.8	25,700	60,400*	42.8	336.9	22,200	64,700*	225
230	35.1	312.1	27,800	48,200*	38.2	322.5	24,400	58,100*	41.1	331.2	21,000	62,200*	230
235	33.0	304.5	26,500	46,700*	36.3	315.8	23,100	55,800*	39.4	325.2	19,800	59,700*	235
240	30.9	296.3	25,200	45,400*	34.4	308.6	21,900	53,700*	37.6	318.8	18,700	57,400*	240
245	28.6	287.4	24,000	44,100*	32.3	300.8	20,800	51,600*	35.7	311.9	17,600	55,200*	245
250	26.1	277.5	22,800	42,900*	30.1	292.4	19,700	49,600*	33.7	304.5	16,500	53,100*	250
255	23.4	266.3	21,600	41,900*	27.8	283.1	18,600	47,700*	31.5	296.5	15,500	51,100*	255
260	20.3	253.5	20,500	41,000*	25.2	272.8	17,600	45,900*	29.3	287.8	14,600	49,100*	260
265	16.6	238.0	19,400	39,000*	22.4	261.1	16,500	44,100*	26.9	278.2	13,600	47,200*	265
270	11.9	217.4	18,300	34,800*	19.1	247.5	15,500	42,300*	24.2	267.4	12,700	45,400*	270
275					15.2	230.7	14,600	39,300*	21.2	255.1	11,800	43,600*	275
280					9.7	206.9	13,500	34,800*	17.8	240.6	10,900	41,900*	280
285									13.5	222.0	10,100	39,400*	285
290									6.7	192.2	9,100	34,200*	290
295													295
300													300
305													305
310													310
315													315
320													320
325													325
330													330

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

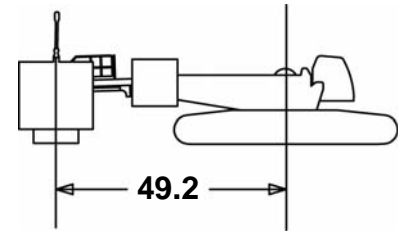
157.5 ft Boom, 255.9 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
125													125
130													130
135													135
140													140
145													145
150													150
155													155
160													160
165													165
170	62.4	387.1	32,400	80,800*									170
175	61.1	384.3	30,500	80,800*									175
180	59.8	381.4	28,800	80,800*									180
185	58.5	378.4	27,100	80,800*									185
190	57.2	375.2	25,500	80,800*									190
195	55.8	371.8	24,000	80,800*									195
200	54.4	368.2	22,500	79,400	58.0	372.8	16,000	73,200*					200
205	53.0	364.5	21,200	76,700	56.7	369.5	14,800	71,800					205
210	51.6	360.5	19,900	74,200	55.3	366.1	13,700	69,400					210
215	50.2	356.4	18,600	71,700	53.9	362.4	12,600	67,000					215
220	48.7	352.0	17,500	69,400	52.5	358.6	11,600	64,800					220
225	47.1	347.4	16,300	67,200	51.1	354.6	10,600	62,700					225
230	45.6	342.5	15,300	65,100	49.6	350.4	9,600	60,700					230
235	44.0	337.4	14,200	63,100	48.1	345.9	8,700	58,800	51.9	351.3	3,400	54,700	235
240	42.3	331.9	13,200	61,100	46.6	341.2	7,900	57,000	50.4	347.1	2,600	52,900	240
245	40.6	326.2	12,300	59,300	45.0	336.2	7,000	55,200	48.9	342.8	1,900	51,300	245
250	38.8	320.0	11,400	57,500	43.4	331.0	6,200	53,500	47.4	338.2		49,700	250
255	37.0	313.5	10,500	55,800	41.7	325.4	5,500	51,900	45.9	333.4		48,100	255
260	35.1	306.4	9,600	54,100	40.0	319.5	4,700	50,400	44.3	328.3		46,700	260
265	33.0	298.9	8,800	52,600	38.2	313.2	4,000	48,900	42.6	322.9		45,200	265
270	30.9	290.7	8,000	50,700*	36.3	306.5	3,300	47,400	40.9	317.2		43,900	270
275	28.6	281.7	7,200	48,800*	34.3	299.3	2,600	46,000	39.1	311.1		42,600	275
280	26.1	271.8	6,500	46,900*	32.2	291.5	2,000	44,700	37.3	304.7		41,300	280
285	23.4	260.6	5,700	45,100*	30.0	283.0		43,400	35.4	297.7		40,100	285
290	20.3	247.8	5,000	43,300*	27.7	273.7		42,100	33.4	290.3		38,900	290
295	16.6	232.2	4,300	41,600*	25.1	263.4		40,900	31.3	282.2		37,700	295
300	11.9	211.7	3,500	39,900*	22.3	251.7		39,700	29.0	273.4		36,600	300
305					19.0	238.0		38,600	26.5	263.6		35,500	305
310					15.0	221.0		37,500	23.8	252.7		34,500	310
315					9.5	196.9		36,300	20.8	240.2		33,500	315
320									17.3	225.2		32,500	320
325									12.8	205.9		31,500	325
330									5.2	172.0		30,400	330



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



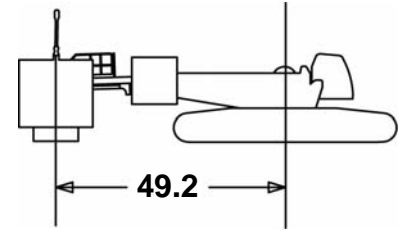
**16000 MAX-ER**

157.5 ft Boom, 275.6 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
135	65.7	417.2	70,700	79,000*	67.5	419.9	64,400	78,300*					135
140	64.5	414.8	66,800	78,400*	66.4	417.7	60,700	77,800*					140
145	63.3	412.3	63,100	77,300*	65.3	415.4	57,300	77,300*	67.1	417.8	51,500	75,000*	145
150	62.2	409.7	59,800	75,400*	64.1	413.0	54,100	76,800*	66.0	415.5	48,500	74,700*	150
155	61.0	406.9	56,600	73,400*	62.9	410.5	51,200	76,300*	64.9	413.2	45,700	74,400*	155
160	59.8	404.0	53,700	71,400*	61.8	407.8	48,400	75,800*	63.7	410.7	43,200	74,100*	160
165	58.6	401.0	50,900	69,400*	60.6	405.0	45,800	75,300*	62.5	408.1	40,800	73,800*	165
170	57.3	397.8	48,300	67,400*	59.4	402.0	43,400	74,800*	61.3	405.4	38,500	73,400*	170
175	56.1	394.4	45,900	65,500*	58.1	398.9	41,100	74,300*	60.1	402.5	36,400	73,100*	175
180	54.8	390.9	43,600	63,600*	56.9	395.7	39,000	73,900*	58.9	399.5	34,400	72,700*	180
185	53.5	387.2	41,400	61,700*	55.6	392.3	36,900	73,400*	57.7	396.4	32,500	72,400*	185
190	52.2	383.4	39,400	59,800*	54.4	388.7	35,000	72,900*	56.5	393.1	30,700	72,000*	190
195	50.9	379.3	37,500	58,000*	53.1	385.0	33,200	71,800*	55.2	389.6	29,000	71,600*	195
200	49.5	375.1	35,600	56,200*	51.7	381.0	31,500	69,900*	53.9	386.0	27,400	71,300*	200
205	48.1	370.6	33,900	54,400*	50.4	376.9	29,900	67,900*	52.6	382.2	25,800	70,900*	205
210	46.7	365.9	32,200	52,800*	49.0	372.6	28,300	66,100*	51.3	378.2	24,400	70,600*	210
215	45.2	361.0	30,600	51,100*	47.6	368.1	26,800	64,000*	49.9	374.0	23,000	68,700*	215
220	43.7	355.8	29,100	49,600*	46.2	363.3	25,400	61,400*	48.5	369.6	21,700	65,900*	220
225	42.2	350.3	27,700	48,100*	44.7	358.3	24,000	58,900*	47.1	365.0	20,400	63,200*	225
230	40.6	344.5	26,300	46,600*	43.2	353.0	22,700	56,600*	45.7	360.1	19,200	60,700*	230
235	39.0	338.4	25,000	45,300*	41.6	347.4	21,500	54,400*	44.2	355.0	18,000	58,200*	235
240	37.3	331.9	23,700	43,900*	40.0	341.5	20,300	52,200*	42.7	349.6	16,900	55,900*	240
245	35.5	325.0	22,500	42,700*	38.4	335.3	19,200	50,200*	41.1	344.0	15,900	53,700*	245
250	33.6	317.6	21,300	41,500*	36.6	328.6	18,100	48,200*	39.5	337.9	14,800	51,600*	250
255	31.7	309.6	20,200	40,400*	34.8	321.5	17,000	46,300*	37.8	331.6	13,900	49,600*	255
260	29.6	301.0	19,100	39,300*	33.0	314.0	16,000	44,500*	36.0	324.8	12,900	47,700*	260
265	27.4	291.6	18,000	38,400*	31.0	305.8	15,000	42,800*	34.2	317.5	12,000	45,800*	265
270	25.0	281.1	17,000	37,500*	28.8	296.9	14,100	41,100*	32.3	309.7	11,100	44,100*	270
275	22.3	269.4	16,000	36,700*	26.6	287.1	13,100	39,500*	30.2	301.3	10,200	42,300*	275
280	19.3	255.9	15,000	34,700*	24.1	276.3	12,200	37,900*	28.0	292.1	9,400	40,700*	280
285	15.8	239.5	14,100	31,500*	21.3	264.0	11,400	36,300*	25.7	282.0	8,600	39,000*	285
290	11.1	217.7	13,100	27,800*	18.2	249.7	10,500	34,800*	23.1	270.7	7,800	37,500*	290
295					14.3	231.9	9,600	31,800*	20.3	257.8	7,000	35,900*	295
300					8.9	206.4	8,700	27,700*	16.9	242.4	6,300	34,400*	300
305									12.7	222.7	5,500	32,000*	305
310									5.8	190.0	4,600	27,200*	310
315													315
320													320
325													325
330													330
335													335
340													340
345													345
350													350

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

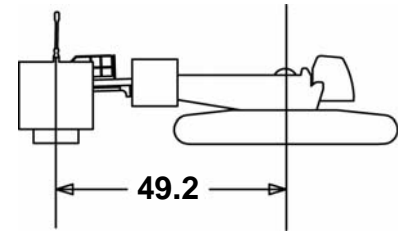
157.5 ft Boom, 275.6 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
135												135
140												140
145												145
150												150
155												155
160												160
165												165
170												170
175												175
180	62.2	404.1	26,700	67,900*								180
185	61.0	401.3	25,100	67,900*								185
190	59.8	398.4	23,500	67,900*								190
195	58.6	395.4	22,000	67,800*								195
200	57.3	392.1	20,600	67,700*								200
205	56.1	388.8	19,200	67,600*								205
210	54.8	385.3	17,900	67,500*								210
215	53.5	381.6	16,700	67,400*	56.9	386.5	10,500	61,600*				215
220	52.2	377.7	15,500	67,300*	55.6	383.1	9,500	61,600*				220
225	50.9	373.7	14,400	65,600	54.3	379.5	8,500	61,100				225
230	49.5	369.4	13,300	63,500	53.0	375.8	7,600	59,100				230
235	48.1	365.0	12,300	61,500	51.7	371.8	6,700	57,200				235
240	46.7	360.3	11,300	59,600	50.4	367.7	5,800	55,400				240
245	45.2	355.4	10,400	57,800	49.0	363.4	5,000	53,600	52.4	368.5	49,600	245
250	43.7	350.2	9,500	56,000	47.6	358.9	4,200	51,900	51.1	364.4	48,000	250
255	42.2	344.7	8,600	54,300	46.1	354.1	3,500	50,300	49.7	360.2	46,500	255
260	40.6	338.9	7,800	52,700	44.7	349.0	2,700	48,800	48.3	355.8	45,000	260
265	38.9	332.8	7,000	51,100	43.2	343.8	2,000	47,300	46.9	351.1	43,600	265
270	37.2	326.3	6,200	49,300*	41.6	338.2		45,900	45.5	346.3	42,200	270
275	35.5	319.4	5,400	47,400*	40.0	332.3		44,500	44.0	341.1	40,900	275
280	33.6	311.9	4,700	45,500*	38.3	326.0		43,200	42.4	335.7	39,700	280
285	31.6	304.0	4,000	43,800*	36.6	319.4		41,900	40.9	330.0	38,500	285
290	29.6	295.3	3,300	42,100*	34.8	312.3		40,600	39.2	323.9	37,300	290
295	27.4	285.9	2,600	40,400*	32.9	304.6		39,500	37.5	317.5	36,200	295
300	24.9	275.5	2,000	38,800*	30.9	296.4		38,300	35.8	310.6	35,100	300
305	22.3	263.7		37,200*	28.8	287.5		37,200	33.9	303.3	34,000	305
310	19.3	250.2		35,700*	26.5	277.7		36,100	32.0	295.4	33,000	310
315	15.7	233.8		34,200*	24.0	266.9		35,000	29.9	286.9	32,000	315
320	11.1	211.9		32,700*	21.2	254.6		34,000	27.7	277.6	30,900*	320
325					18.1	240.1		33,000	25.4	267.4	29,900*	325
330					14.2	222.2		32,000	22.8	255.9	28,800*	330
335					8.7	196.2		31,000	19.8	242.7	27,800*	335
340									16.4	227.0	26,800*	340
345									12.0	206.4	25,800*	345
350									4.0	168.2	24,700*	350



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

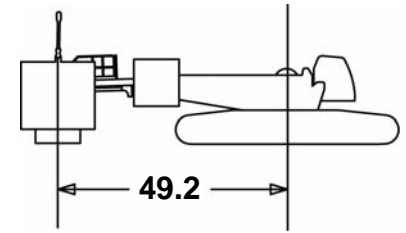
177.2 ft Boom, 78.7 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
45	73.7	261.7	326,400	391,400*c									45
50	69.8	259.8	285,900	352,300*c									50
55	65.9	257.6	254,000	318,000*b									55
60	61.7	254.9	228,000	290,400*b	69.3	258.5	213,900	370,500*c					60
65	57.4	251.8	206,600	268,100*b	65.3	256.2	193,800	352,500*b					65
70	52.9	248.1	188,500	249,500*	61.2	253.5	176,800	325,100*b					70
75	48.1	243.6	173,100	234,200*	56.8	250.2	162,300	298,700*b	64.7	254.3	151,400	311,000b	75
80	42.8	238.4	159,700	221,700*	52.2	246.4	149,800	277,000*	60.5	251.5	139,800	287,000b	80
85	36.9	232.0	148,000	211,700*	47.3	241.9	138,900	259,300*	56.1	248.1	129,500	266,300b	85
90	29.9	223.8	137,600	204,300*	42.0	236.5	129,200	244,700*	51.5	244.2	120,500	248,200	90
95	20.7	212.3	128,200	200,300*	36.0	229.9	120,500	233,000*	46.5	239.6	112,500	232,300	95
100					28.8	221.4	112,700	224,100	41.1	234.0	105,300	218,200	100
105					19.1	209.0	105,500	202,700*	34.9	227.2	98,700	205,500	105
110									27.5	218.3	92,700	194,000	110
115									17.1	204.9	87,000	183,500	115
120													120
125													125
130													130
135													135
140													140
145													145
150													150
155													155
160													160



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

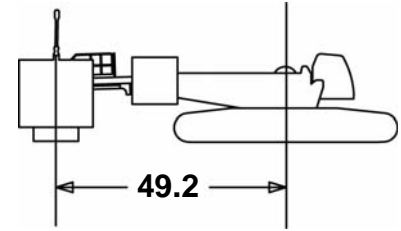
177.2 ft Boom, 78.7 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
45													45
50													50
55													55
60													60
65													65
70													70
75													75
80													80
85													85
90													90
95	60.6	247.9	98,800	221,400 <sup>b</sup>									95
100	56.3	244.6	92,400	207,900 <sup>b</sup>									100
105	51.7	240.7	86,700	195,900									105
110	46.7	236.1	81,500	185,100									110
115	41.3	230.6	76,700	175,300	56.1	239.6	65,900	166,800 <sup>b</sup>					115
120	35.2	223.8	72,300	166,400	51.5	235.6	62,100	158,300					120
125	27.8	215.0	68,200	158,200	46.5	231.0	58,600	150,600					125
130	17.5	201.8	64,200	150,500	41.0	225.4	55,300	143,500					130
135					34.9	218.5	52,300	137,000	50.8	228.8	43,500	130,100	135
140					27.4	209.6	49,400	130,900	45.8	224.1	41,100	124,400	140
145					16.9	196.1	46,500	125,100	40.2	218.3	38,800	119,100	145
150									33.9	211.2	36,700	114,100	150
155									26.2	201.9	34,600	109,400	155
160									14.8	187.1	32,400	104,900	160

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
with 98.4 ft Mast No. 59A

332,000 lb Crane Counterweight  
120,000 lb Carbody Counterweight  
137,850 lb Hanging Counterweight  
at 49.2 ft Position  
360 Degree Rating



## 16000 MAX-ER

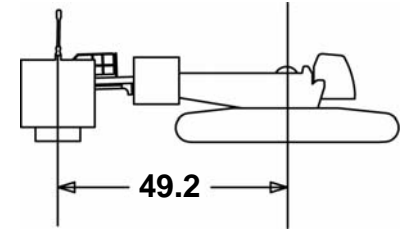
177.2 ft Boom, 98.4 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
55	71.0	279.0	254,100	317,900*b									55
60	67.8	277.0	228,100	289,000*b									60
65	64.6	274.6	206,500	265,400*b	70.5	277.7	193,200	333,300*b					65
70	61.3	271.9	188,500	245,600*	67.4	275.6	176,300	319,300*b					70
75	57.9	268.8	173,000	229,200*	64.1	273.2	161,800	304,500*b					75
80	54.3	265.2	159,700	215,200*	60.8	270.4	149,300	279,800*	66.9	273.7	138,800	286,000b	80
85	50.5	261.1	148,100	203,400*	57.4	267.2	138,400	259,600*	63.6	271.2	128,700	265,300b	85
90	46.6	256.5	137,900	193,300*	53.8	263.6	128,800	242,800*	60.3	268.4	119,700	247,300	90
95	42.3	251.1	128,800	184,900*	50.0	259.5	120,300	228,600*	56.8	265.2	111,800	231,500	95
100	37.6	244.8	120,600	177,900*	46.0	254.7	112,700	216,600*	53.2	261.5	104,600	217,400	100
105	32.3	237.2	113,300	172,500*	41.7	249.2	105,800	206,500*	49.4	257.2	98,200	204,900	105
110	26.1	227.7	106,500	166,300*	36.9	242.8	99,600	198,100*	45.3	252.4	92,400	193,600	110
115	17.7	214.2	100,200	154,700*	31.5	235.0	93,800	188,400*	41.0	246.8	87,100	183,400	115
120					25.1	225.1	88,600	176,000*	36.1	240.1	82,300	174,100	120
125					16.2	210.6	83,500	155,400*	30.6	232.1	77,800	165,600	125
130									23.9	221.7	73,600	157,700	130
135									14.3	205.9	69,500	150,400	135
140													140
145													145
150													150
155													155
160													160
165													165
170													170
175													175
180													180



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

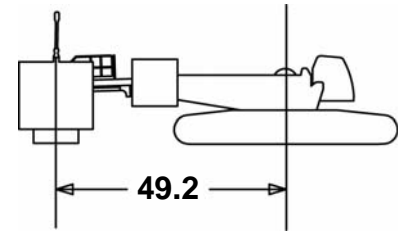
177.2 ft Boom, 98.4 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
55													55
60													60
65													65
70													70
75													75
80													80
85													85
90													90
95													95
100													100
105	60.4	264.9	85,500	194,800									105
110	56.9	261.7	80,400	184,100									110
115	53.3	258.0	75,800	174,400									115
120	49.5	253.8	71,500	165,600									120
125	45.5	248.9	67,600	157,500	56.8	256.6	57,300	149,500					125
130	41.1	243.3	63,900	150,100	53.2	252.9	54,100	142,500					130
135	36.3	236.7	60,600	143,300	49.4	248.6	51,200	136,000					135
140	30.8	228.8	57,400	137,000	45.3	243.8	48,500	130,100					140
145	24.1	218.5	54,400	131,100	40.9	238.1	46,000	124,500	52.6	246.1	37,500	117,900	145
150	14.7	203.0	51,400	125,600	36.1	231.5	43,600	119,400	48.8	241.8	35,500	113,100	150
155					30.5	223.4	41,300	114,600	44.7	236.8	33,500	108,500	155
160					23.8	213.0	39,100	110,000	40.3	231.1	31,700	104,300	160
165					14.1	197.1	36,900	105,700	35.3	224.3	30,000	100,300	165
170									29.7	215.9	28,300	96,500	170
175									22.7	205.1	26,700	93,000	175
180									12.1	187.5	25,000	89,500	180

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
with 98.4 ft Mast No. 59A

332,000 lb Crane Counterweight  
120,000 lb Carbody Counterweight  
137,850 lb Hanging Counterweight  
at 49.2 ft Position  
360 Degree Rating



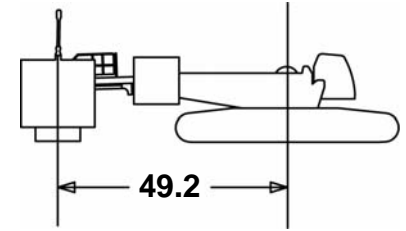
## 16000 MAX-ER

177.2 ft Boom, 118.1 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
60	71.7	298.1	227,400	289,600*b									60
65	69.1	296.2	205,800	264,700*b									65
70	66.5	294.0	187,600	244,100*									70
75	63.8	291.6	172,200	226,800*	68.7	294.9	160,500	288,900*b					75
80	61.0	288.8	158,800	212,100*	66.1	292.7	148,000	278,100*					80
85	58.1	285.7	147,200	199,500*	63.4	290.2	137,100	264,500*					85
90	55.2	282.3	137,000	188,700*	60.6	287.4	127,500	245,400*	65.7	290.8	118,100	245,800	90
95	52.1	278.4	127,900	179,300*	57.7	284.2	119,000	229,400*	62.9	288.2	110,100	230,000	95
100	48.9	274.1	119,900	171,100*	54.8	280.7	111,500	215,800*	60.2	285.4	103,100	216,000	100
105	45.6	269.3	112,600	164,100*	51.7	276.8	104,700	204,200*	57.3	282.2	96,700	203,500	105
110	42.0	263.9	106,000	157,100*	48.5	272.4	98,500	194,200*	54.3	278.6	91,000	192,300	110
115	38.1	257.6	100,000	147,800*	45.1	267.5	92,900	185,600*	51.2	274.6	85,700	182,100	115
120	33.8	250.4	94,500	139,600*	41.4	262.0	87,800	178,200	47.9	270.2	81,000	172,900	120
125	29.0	241.8	89,400	132,400*	37.5	255.6	83,000	167,400*	44.5	265.2	76,600	164,500	125
130	23.2	231.0	84,700	126,700*	33.2	248.2	78,700	157,500*	40.9	259.5	72,500	156,800	130
135	15.4	215.7	80,100	122,300*	28.3	239.4	74,600	148,400*	36.9	253.0	68,800	149,700	135
140					22.3	228.2	70,800	140,100*	32.5	245.4	65,300	143,100	140
145					13.9	211.7	67,100	123,200*	27.4	236.3	62,000	137,000	145
150									21.2	224.6	58,900	131,300	150
155									12.1	206.4	55,800	123,500*	155
160													160
165													165
170													170
175													175
180													180
185													185
190													190
195													195
200													200

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

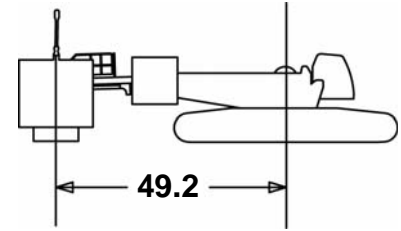
177.2 ft Boom, 118.1 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
60													60
65													65
70													70
75													75
80													80
85													85
90													90
95													95
100													100
105													105
110													110
115	60.2	281.8	73,800	172,700									115
120	57.4	278.7	69,600	164,000									120
125	54.4	275.1	65,800	156,000									125
130	51.3	271.1	62,200	148,700									130
135	48.1	266.7	58,900	141,900	57.2	273.6	49,100	134,300					135
140	44.6	261.7	55,900	135,700	54.3	270.0	46,500	128,400					140
145	41.0	256.1	53,000	130,000	51.2	266.0	44,000	122,900					145
150	37.0	249.6	50,400	124,600	47.9	261.6	41,700	117,900					150
155	32.6	242.1	47,800	119,600	44.5	256.6	39,600	113,100					155
160	27.6	233.0	45,500	114,900	40.8	250.9	37,500	108,700	50.7	259.2	29,600	102,600	160
165	21.5	221.4	43,200	110,500	36.8	244.4	35,600	104,600	47.4	254.7	28,000	98,700	165
170	12.5	203.6	40,800	106,200	32.4	236.8	33,800	100,700	44.0	249.6	26,500	95,000	170
175					27.4	227.6	32,000	97,000	40.3	243.8	25,000	91,500	175
180					21.2	215.9	30,300	93,500	36.2	237.2	23,600	88,300	180
185					12.0	197.6	28,500	90,100	31.8	229.4	22,200	85,200	185
190									26.6	220.0	20,900	82,200	190
195									20.1	207.7	19,600	79,400	195
200									9.9	187.3	18,200	76,600	200



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



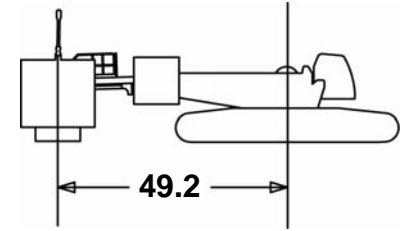
**16000 MAX-ER**

177.2 ft Boom, 137.8 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
65	72.2	317.2	205,300	248,900* <sup>b</sup>									65
70	70.0	315.4	187,000	238,800*									70
75	67.8	313.4	171,500	227,200*									75
80	65.5	311.1	158,100	211,900*	69.7	314.1	147,000	257,900*					80
85	63.1	308.6	146,500	198,600*	67.4	312.0	136,100	252,200*					85
90	60.8	305.8	136,200	187,200*	65.1	309.7	126,500	243,500*					90
95	58.3	302.7	127,200	177,000*	62.8	307.1	118,000	232,800*	67.1	310.1	108,900	228,800	95
100	55.8	299.3	119,100	168,300*	60.4	304.3	110,400	219,500*	64.8	307.8	101,800	214,800	100
105	53.2	295.6	111,800	160,600*	58.0	301.2	103,600	206,400*	62.4	305.2	95,500	202,300	105
110	50.5	291.6	105,200	152,100*	55.5	297.8	97,500	195,100*	60.1	302.3	89,700	191,100	110
115	47.8	287.1	99,300	143,200*	52.9	294.0	91,900	185,300*	57.6	299.2	84,500	181,000	115
120	44.8	282.1	93,800	135,000*	50.2	289.9	86,800	176,700*	55.1	295.7	79,800	171,800	120
125	41.7	276.6	88,800	127,400*	47.4	285.4	82,100	166,800*	52.5	291.9	75,400	163,400	125
130	38.4	270.4	84,200	120,500*	44.4	280.3	77,800	157,100*	49.7	287.7	71,400	155,800	130
135	34.9	263.4	80,000	114,300*	41.3	274.7	73,900	148,100*	46.9	283.1	67,700	148,700	135
140	30.9	255.4	76,000	108,700*	37.9	268.4	70,200	139,700*	43.9	278.0	64,300	142,200	140
145	26.4	245.8	72,300	103,900*	34.3	261.3	66,700	132,000*	40.8	272.3	61,100	136,200	145
150	21.0	233.8	68,700	100,100*	30.3	253.1	63,500	125,100*	37.4	265.9	58,100	130,600	150
155	13.6	216.6	65,300	97,700*	25.7	243.2	60,500	119,000*	33.7	258.6	55,300	125,300	155
160					20.1	230.8	57,500	113,700*	29.7	250.1	52,700	120,400	160
165					12.1	212.2	54,700	100,200*	24.9	240.0	50,200	115,800	165
170									19.1	226.9	47,700	111,500	170
175									10.3	206.3	45,300	100,600*	175
180													180
185													185
190													190
195													195
200													200
205													205
210													210
215													215
220													220

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

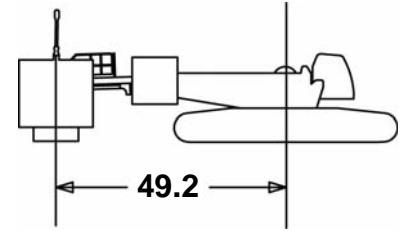
177.2 ft Boom, 137.8 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
65													65
70													70
75													75
80													80
85													85
90													90
95													95
100													100
105													105
110													110
115													115
120	62.5	301.6	68,100	162,700									120
125	60.1	298.8	64,300	154,700									125
130	57.7	295.6	60,800	147,400									130
135	55.1	292.2	57,500	140,700									135
140	52.5	288.4	54,500	134,600									140
145	49.8	284.2	51,700	128,800	57.6	290.6	42,400	121,600					145
150	47.0	279.6	49,100	123,500	55.0	287.1	40,200	116,600					150
155	44.0	274.5	46,700	118,600	52.4	283.3	38,100	111,900					155
160	40.9	268.8	44,400	113,900	49.7	279.1	36,100	107,500					160
165	37.5	262.5	42,200	109,600	46.9	274.5	34,200	103,400					165
170	33.9	255.2	40,200	105,500	43.9	269.3	32,400	99,600	52.1	276.5	24,800	93,700	170
175	29.8	246.8	38,200	101,700	40.7	263.6	30,800	95,900	49.3	272.3	23,400	90,200	175
180	25.1	236.7	36,300	98,100	37.4	257.2	29,200	92,500	46.5	267.6	22,100	87,000	180
185	19.3	223.8	34,500	94,600	33.7	249.9	27,700	89,300	43.5	262.4	20,800	84,000	185
190	10.7	203.7	32,600	91,200	29.6	241.5	26,200	86,200	40.3	256.6	19,600	81,100	190
195					24.9	231.3	24,800	83,300	36.9	250.1	18,400	78,400	195
200					19.1	218.2	23,400	80,500	33.2	242.6	17,300	75,800	200
205					10.2	197.4	22,000	77,800	29.0	234.0	16,200	73,300	205
210									24.2	223.5	15,200	70,900	210
215									18.1	209.8	14,100	68,600	215
220									8.1	186.3	12,900	66,300	220



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



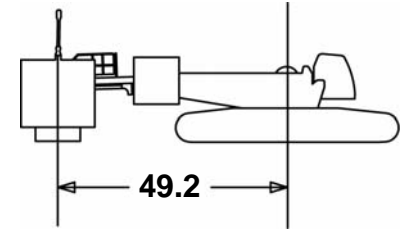
**16000 MAX-ER**

177.2 ft Boom, 157.5 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
70	72.6	336.3	186,000	213,200*									70
75	70.7	334.6	170,400	205,700*									75
80	68.7	332.6	156,900	197,700*									80
85	66.7	330.5	145,300	189,200*	70.4	333.2	134,600	217,000*					85
90	64.7	328.1	135,000	180,500*	68.4	331.3	125,000	217,000*					90
95	62.7	325.5	125,900	171,700*	66.5	329.1	116,500	212,300*					95
100	60.6	322.7	117,800	163,000*	64.4	326.7	108,900	204,600*					100
105	58.5	319.7	110,500	154,500*	62.4	324.1	102,100	196,500*	66.2	327.2	93,700	200,800	105
110	56.3	316.4	104,000	146,300*	60.3	321.3	96,000	187,900*	64.1	324.8	88,000	189,600	110
115	54.0	312.8	98,000	138,300*	58.2	318.2	90,400	179,200*	62.1	322.1	82,800	179,500	115
120	51.7	308.9	92,600	130,900*	56.0	314.8	85,300	170,500*	60.0	319.3	78,100	170,300	120
125	49.3	304.6	87,600	123,800*	53.7	311.2	80,700	161,900*	57.8	316.1	73,700	162,000	125
130	46.9	300.0	83,000	117,300*	51.4	307.2	76,400	153,500*	55.6	312.7	69,800	154,300	130
135	44.3	294.9	78,800	111,100*	49.0	302.9	72,400	145,400*	53.4	309.0	66,100	147,300	135
140	41.6	289.3	74,900	105,400*	46.5	298.2	68,800	137,600*	51.0	305.0	62,700	140,800	140
145	38.7	283.2	71,200	100,200*	43.9	293.1	65,400	130,300*	48.6	300.7	59,500	134,800	145
150	35.6	276.4	67,800	95,400*	41.2	287.5	62,200	123,400*	46.1	295.9	56,600	129,300	150
155	32.3	268.7	64,700	91,100*	38.3	281.2	59,300	117,000*	43.5	290.7	53,800	124,100	155
160	28.6	259.8	61,600	87,200*	35.1	274.3	56,500	111,100*	40.7	285.0	51,300	119,200	160
165	24.3	249.3	58,800	83,900*	31.8	266.4	53,800	105,600*	37.8	278.7	48,800	114,700	165
170	19.2	236.2	56,100	81,300*	28.0	257.4	51,400	100,700*	34.6	271.6	46,500	110,400	170
175	12.0	217.1	53,400	79,800*	23.7	246.6	49,000	96,300*	31.2	263.6	44,400	106,400	175
180					18.4	233.0	46,700	92,700*	27.4	254.3	42,300	102,600	180
185					10.6	212.2	44,400	82,300*	22.9	243.2	40,300	99,000	185
190									17.4	228.9	38,400	94,400*	190
195									8.8	205.7	36,400	82,700*	195
200													200
205													205
210													210
215													215
220													220
225													225
230													230
235													235
240													240

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
with 98.4 ft Mast No. 59A  
332,000 lb Crane Counterweight  
120,000 lb Carbody Counterweight  
137,850 lb Hanging Counterweight  
at 49.2 ft Position  
360 Degree Rating



## 16000 MAX-ER

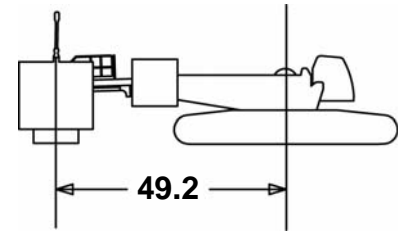
177.2 ft Boom, 157.5 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
70													70
75													75
80													80
85													85
90													90
95													95
100													100
105													105
110													110
115													115
120													120
125													125
130	62.1	318.6	58,800	145,700									130
135	60.0	315.7	55,500	139,100									135
140	57.9	312.6	52,600	132,900									140
145	55.7	309.2	49,800	127,200									145
150	53.4	305.5	47,200	122,000									150
155	51.1	301.5	44,800	117,000	57.8	307.5	35,900	110,100					155
160	48.7	297.2	42,600	112,400	55.6	304.1	33,900	105,800					160
165	46.2	292.5	40,400	108,200	53.3	300.5	32,100	101,700					165
170	43.6	287.3	38,400	104,100	51.0	296.4	30,400	97,900					170
175	40.8	281.6	36,500	100,300	48.6	292.1	28,800	94,300					175
180	37.9	275.3	34,800	96,800	46.1	287.3	27,200	90,900					180
185	34.7	268.2	33,100	93,400	43.5	282.1	25,800	87,800	50.7	289.6	18,600	82,200	185
190	31.3	260.2	31,400	90,200	40.7	276.4	24,400	84,700	48.3	285.2	17,500	79,400	190
195	27.5	251.0	29,900	87,200	37.8	270.0	23,100	81,900	45.7	280.4	16,300	76,700	195
200	23.1	240.0	28,400	84,300	34.6	263.0	21,800	79,200	43.1	275.1	15,300	74,100	200
205	17.6	225.8	26,900	81,500	31.2	254.9	20,600	76,600	40.3	269.3	14,300	71,700	205
210	9.2	203.2	25,300	78,800	27.3	245.7	19,400	74,100	37.3	262.9	13,300	69,400	210
215					22.9	234.5	18,300	71,800	34.1	255.7	12,300	67,200	215
220					17.4	220.1	17,100	69,500	30.7	247.5	11,400	65,100	220
225					8.6	196.7	15,900	67,200	26.8	238.0	10,500	63,100	225
230									22.2	226.6	9,700	61,100	230
235									16.4	211.5	8,800	59,200	235
240									6.4	184.5	7,700	57,200	240



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

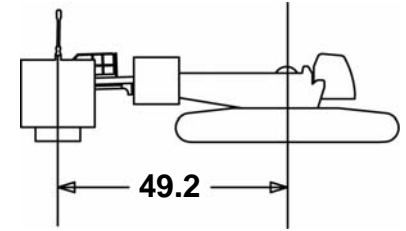
177.2 ft Boom, 177.2 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
80	71.2	353.7	156,000	178,100*									80
85	69.5	351.8	144,300	172,100*									85
90	67.7	349.8	134,000	165,900*	71.0	352.4	123,700	180,300*					90
95	66.0	347.5	124,900	159,300*	69.2	350.5	115,200	180,300*					95
100	64.2	345.1	116,700	152,600*	67.5	348.4	107,600	180,300*					100
105	62.3	342.5	109,500	145,900*	65.7	346.2	100,800	179,700*					105
110	60.5	339.7	102,900	139,200*	63.9	343.7	94,700	173,800*	67.2	346.5	86,500	173,100*	110
115	58.6	336.6	96,900	132,600*	62.1	341.1	89,100	167,500*	65.4	344.3	81,400	173,100*	115
120	56.7	333.4	91,500	126,200*	60.2	338.2	84,100	161,000*	63.6	341.8	76,600	169,100	120
125	54.7	329.9	86,500	120,000*	58.3	335.1	79,400	154,400*	61.8	339.1	72,300	160,800	125
130	52.6	326.1	81,900	114,000*	56.4	331.8	75,100	147,700*	59.9	336.2	68,400	153,100	130
135	50.6	322.0	77,700	108,400*	54.4	328.3	71,200	141,000*	58.0	333.1	64,700	146,100	135
140	48.4	317.6	73,800	103,100*	52.4	324.5	67,600	134,400*	56.1	329.8	61,300	139,600	140
145	46.2	312.8	70,200	98,100*	50.3	320.3	64,200	128,000*	54.1	326.2	58,200	133,700	145
150	43.9	307.7	66,800	93,400*	48.1	315.9	61,000	121,800*	52.0	322.3	55,300	128,100	150
155	41.4	302.1	63,700	89,000*	45.9	311.1	58,100	115,800*	49.9	318.1	52,500	122,900	155
160	38.9	296.0	60,700	84,900*	43.5	305.9	55,300	110,200*	47.8	313.6	50,000	118,100	160
165	36.2	289.3	57,900	81,200*	41.1	300.2	52,800	104,800*	45.5	308.7	47,600	113,600	165
170	33.3	281.8	55,300	77,700*	38.5	294.0	50,300	99,800*	43.1	303.5	45,300	109,400	170
175	30.1	273.4	52,800	74,600*	35.8	287.2	48,000	95,100*	40.7	297.7	43,200	105,400	175
180	26.6	263.9	50,500	71,900*	32.8	279.6	45,800	90,800*	38.1	291.5	41,200	101,600	180
185	22.6	252.5	48,200	69,500*	29.6	271.1	43,800	86,800*	35.3	284.6	39,200	98,100	185
190	17.7	238.2	46,100	67,700*	26.1	261.3	41,800	83,200*	32.4	276.9	37,400	94,800	190
195	10.7	217.2	43,900	66,700*	22.0	249.6	39,900	80,000*	29.1	268.2	35,700	90,900*	195
200					16.9	234.8	38,000	77,300*	25.5	258.1	34,000	87,000*	200
205					9.3	211.8	36,100	68,400*	21.3	246.1	32,400	83,300*	205
210									16.0	230.5	30,800	78,800*	210
215									7.4	204.4	29,100	68,700*	215
220													220
225													225
230													230
235													235
240													240
245													245
250													250
255													255
260													260



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

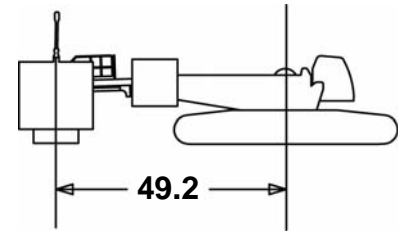
177.2 ft Boom, 177.2 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
80													80
85													85
90													90
95													95
100													100
105													105
110													110
115													115
120													120
125													125
130													130
135													135
140	61.8	335.6	51,000	131,600									140
145	60.0	332.7	48,200	125,900									145
150	58.1	329.6	45,700	120,600									150
155	56.1	326.3	43,300	115,700									155
160	54.1	322.7	41,000	111,200									160
165	52.1	318.8	38,900	106,900									165
170	50.0	314.6	37,000	102,900	56.1	321.2	28,700	96,500					170
175	47.8	310.1	35,100	99,100	54.1	317.6	27,100	93,000					175
180	45.6	305.3	33,300	95,600	52.0	313.7	25,600	89,600					180
185	43.2	300.0	31,700	92,200	49.9	309.5	24,200	86,400					185
190	40.8	294.3	30,100	89,100	47.7	305.0	22,800	83,500					190
195	38.2	288.1	28,600	86,100	45.5	300.1	21,500	80,600	51.7	306.9	14,600	75,300	195
200	35.4	281.2	27,200	83,200	43.1	294.9	20,300	77,900	49.6	302.7	13,600	72,800	200
205	32.5	273.5	25,800	80,500	40.7	289.1	19,100	75,400	47.4	298.1	12,600	70,400	205
210	29.2	264.8	24,500	78,000	38.1	282.8	18,000	73,000	45.2	293.2	11,700	68,100	210
215	25.6	254.9	23,200	75,500	35.3	275.9	16,900	70,700	42.8	287.9	10,800	65,900	215
220	21.4	242.9	21,900	73,100	32.3	268.2	15,900	68,500	40.3	282.1	9,900	63,800	220
225	16.2	227.5	20,700	70,800	29.1	259.5	14,900	66,300	37.7	275.7	9,100	61,800	225
230	7.8	202.1	19,400	68,600	25.5	249.4	13,900	64,300	34.9	268.7	8,300	59,900	230
235					21.2	237.4	13,000	62,400	31.9	260.9	7,500	58,100	235
240					15.9	221.7	12,000	60,400	28.6	252.0	6,700	56,400	240
245					7.2	195.4	10,900	58,500	24.9	241.7	6,000	54,700	245
250									20.6	229.3	5,200	53,000	250
255									15.0	212.9	4,500	51,400	255
260									4.7	181.4	3,600	49,800	260



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

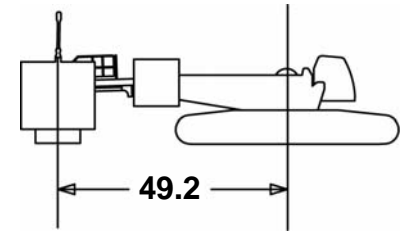
177.2 ft Boom, 196.9 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
90	70.1	371.0	132,700	150,000*									90
95	68.5	369.0	123,500	145,200*									95
100	66.9	366.9	115,400	140,400*	69.8	369.7	106,000	150,900*					100
105	65.3	364.6	108,100	135,300*	68.3	367.7	99,200	150,900*					105
110	63.7	362.1	101,500	130,100*	66.7	365.5	93,100	150,900*					110
115	62.0	359.5	95,500	124,900*	65.1	363.2	87,500	150,800*					115
120	60.4	356.6	90,100	119,600*	63.5	360.7	82,400	148,500*	66.4	363.6	74,800	144,200*	120
125	58.7	353.6	85,100	114,500*	61.8	358.0	77,800	143,800*	64.8	361.3	70,500	144,200*	125
130	56.9	350.4	80,500	109,500*	60.1	355.2	73,500	138,700*	63.2	358.8	66,500	144,200*	130
135	55.2	346.9	76,300	104,600*	58.4	352.1	69,600	133,600*	61.6	356.1	62,900	144,200*	135
140	53.4	343.2	72,400	99,900*	56.7	348.9	66,000	128,400*	59.9	353.2	59,500	138,200	140
145	51.5	339.3	68,800	95,400*	54.9	345.4	62,600	123,200*	58.2	350.1	56,400	132,200	145
150	49.6	335.0	65,400	91,100*	53.1	341.6	59,500	118,100*	56.4	346.8	53,500	126,600	150
155	47.6	330.5	62,300	87,000*	51.2	337.6	56,500	113,000*	54.6	343.2	50,800	121,500	155
160	45.6	325.7	59,300	83,100*	49.3	333.4	53,800	108,000*	52.8	339.5	48,200	116,700	160
165	43.5	320.5	56,600	79,400*	47.4	328.8	51,200	103,200*	50.9	335.5	45,900	112,200	165
170	41.3	314.8	54,000	76,000*	45.3	323.9	48,800	98,600*	49.0	331.1	43,600	108,000	170
175	39.0	308.7	51,600	72,800*	43.2	318.6	46,500	94,200*	47.0	326.5	41,500	104,000	175
180	36.6	302.1	49,200	69,900*	41.0	313.0	44,400	90,000*	45.0	321.6	39,500	100,300	180
185	34.0	294.9	47,100	67,100*	38.7	306.8	42,300	86,100*	42.9	316.2	37,600	96,800	185
190	31.3	286.8	45,000	64,600*	36.3	300.1	40,400	82,400*	40.7	310.5	35,800	93,400	190
195	28.3	277.8	43,000	62,300*	33.7	292.7	38,600	78,900*	38.3	304.3	34,100	90,000*	195
200	25.0	267.5	41,100	60,300*	30.9	284.6	36,800	75,700*	35.9	297.5	32,500	86,200*	200
205	21.1	255.3	39,300	58,600*	27.8	275.4	35,100	72,700*	33.3	290.0	31,000	82,600*	205
210	16.4	239.9	37,500	57,300*	24.5	264.9	33,500	70,000*	30.4	281.7	29,500	79,200*	210
215	9.5	216.9	35,700	55,800*	20.5	252.4	32,000	67,600*	27.4	272.4	28,100	76,000*	215
220					15.6	236.3	30,400	64,600*	23.9	261.6	26,700	72,900*	220
225					8.1	210.9	28,800	56,600*	19.9	248.6	25,400	70,000*	225
230									14.7	231.8	24,000	65,700*	230
235									6.0	202.3	22,600	56,900*	235
240													240
245													245
250													250
255													255
260													260
265													265
270													270
275													275
280													280



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

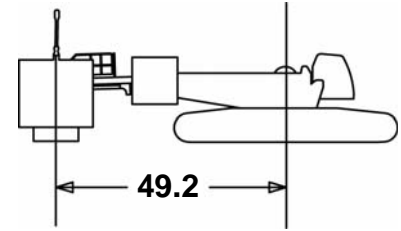
177.2 ft Boom, 196.9 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
90													90
95													95
100													100
105													105
110													110
115													115
120													120
125													125
130													130
135													135
140													140
145													145
150	61.6	352.5	43,600	119,000									150
155	59.9	349.6	41,300	114,100									155
160	58.2	346.6	39,000	109,600									160
165	56.5	343.3	37,000	105,300									165
170	54.7	339.7	35,000	101,300									170
175	52.9	336.0	33,200	97,600									175
180	51.0	332.0	31,400	94,000	56.4	338.2	23,500	87,900					180
185	49.1	327.7	29,800	90,700	54.6	334.6	22,100	84,700					185
190	47.1	323.0	28,200	87,600	52.8	330.9	20,800	81,800					190
195	45.1	318.1	26,800	84,600	50.9	326.9	19,500	79,000					195
200	42.9	312.8	25,400	81,800	49.0	322.5	18,300	76,300					200
205	40.7	307.1	24,000	79,100	47.0	317.9	17,100	73,800	52.5	324.1	10,400	68,600	205
210	38.4	300.8	22,700	76,600	45.0	313.0	16,100	71,400	50.7	320.0	9,500	66,300	210
215	36.0	294.1	21,500	74,100	42.8	307.6	15,000	69,100	48.7	315.7	8,600	64,200	215
220	33.3	286.6	20,300	71,800	40.6	301.9	14,000	66,900	46.7	311.0	7,800	62,100	220
225	30.5	278.4	19,200	69,600	38.3	295.6	13,000	64,800	44.7	306.0	7,000	60,200	225
230	27.5	269.0	18,100	67,500	35.8	288.8	12,100	62,800	42.5	300.6	6,200	58,300	230
235	24.0	258.3	17,100	65,400	33.2	281.4	11,200	60,900	40.3	294.8	5,500	56,500	235
240	20.0	245.5	16,000	63,500	30.4	273.0	10,400	59,100	38.0	288.5	4,800	54,800	240
245	14.9	228.8	15,000	61,600	27.3	263.7	9,500	57,300	35.5	281.6	4,100	53,100	245
250	6.5	200.4	13,800	59,600	23.9	252.9	8,700	55,600	32.8	274.0	3,400	51,500	250
255					19.8	239.9	7,900	54,000	30.0	265.6	2,700	50,000	255
260					14.7	223.0	7,100	52,400	26.9	256.1	2,100	48,500	260
265					5.9	193.2	6,100	50,700	23.3	245.0	1,500	47,100	265
270									19.2	231.6		45,700	270
275									13.8	213.9		44,300	275
280									2.4	175.2		42,900	280



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



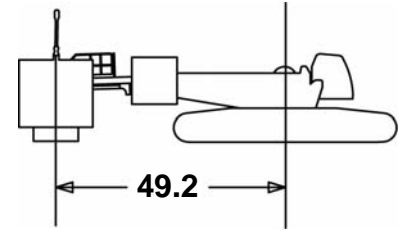
**16000 MAX-ER**

177.2 ft Boom, 216.5 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
100	69.1	388.2	113,900	127,000*	70.3	388.8	97,500	126,700*					100
105	67.7	386.2	106,500	123,400*									105
110	66.3	384.0	99,900	119,500*	68.9	386.9	91,400	126,600*					110
115	64.8	381.6	93,900	115,600*	67.5	384.8	85,800	126,500*					115
120	63.3	379.1	88,500	111,700*	66.1	382.6	80,700	126,300*					120
125	61.8	376.4	83,500	107,600*	64.6	380.2	76,100	126,000*	67.3	382.9	68,600	120,800*	125
130	60.3	373.6	78,900	103,600*	63.1	377.7	71,800	125,700*	65.8	380.7	64,700	120,800*	130
135	58.7	370.6	74,700	99,600*	61.6	375.0	67,900	123,700*	64.4	378.3	61,000	120,800*	135
140	57.2	367.4	70,800	95,700*	60.1	372.1	64,200	120,000*	62.9	375.7	57,700	120,800*	140
145	55.6	364.0	67,200	91,900*	58.5	369.1	60,900	116,000*	61.4	373.0	54,500	120,800*	145
150	53.9	360.3	63,800	88,100*	57.0	365.8	57,700	112,000*	59.8	370.1	51,600	120,800*	150
155	52.3	356.5	60,700	84,500*	55.3	362.4	54,800	108,100*	58.3	367.1	48,900	120,000*	155
160	50.6	352.4	57,700	81,000*	53.7	358.7	52,100	104,100*	56.7	363.8	46,400	115,200*	160
165	48.8	348.0	55,000	77,700*	52.0	354.9	49,500	100,100*	55.1	360.3	44,000	110,700*	165
170	47.0	343.4	52,400	74,500*	50.3	350.7	47,100	96,200*	53.5	356.6	41,800	106,500*	170
175	45.1	338.5	50,000	71,400*	48.6	346.4	44,800	92,400*	51.8	352.7	39,700	102,500*	175
180	43.2	333.2	47,700	68,600*	46.7	341.7	42,700	88,700*	50.0	348.5	37,700	98,800*	180
185	41.2	327.6	45,500	65,900*	44.9	336.7	40,700	85,100*	48.3	344.1	35,800	95,300*	185
190	39.2	321.5	43,400	63,400*	42.9	331.4	38,800	81,700*	46.5	339.4	34,100	92,000*	190
195	37.0	315.0	41,500	61,000*	40.9	325.7	36,900	78,400*	44.6	334.4	32,400	88,700*	195
200	34.7	307.9	39,600	58,800*	38.8	319.6	35,200	75,200*	42.6	329.0	30,800	84,900*	200
205	32.2	300.1	37,900	56,700*	36.7	312.9	33,600	72,200*	40.6	323.2	29,300	81,400*	205
210	29.6	291.5	36,200	54,800*	34.3	305.7	32,000	69,400*	38.5	317.0	27,800	78,000*	210
215	26.7	281.9	34,500	53,100*	31.9	297.9	30,500	66,800*	36.3	310.3	26,400	74,900*	215
220	23.5	270.9	33,000	51,600*	29.2	289.2	29,000	64,400*	34.0	303.0	25,100	71,900*	220
225	19.8	257.9	31,400	50,400*	26.3	279.4	27,700	62,100*	31.5	295.1	23,800	69,000*	225
230	15.3	241.4	30,000	49,500*	23.1	268.1	26,300	60,100*	28.8	286.2	22,600	66,300*	230
235	8.5	216.1	28,400	45,900*	19.3	254.8	25,000	58,300*	25.8	276.2	21,400	63,700*	235
240					14.5	237.6	23,700	53,700*	22.5	264.7	20,200	61,200*	240
245					6.9	209.4	22,300	46,600*	18.6	250.9	19,100	58,800*	245
250									13.6	232.8	18,000	54,700*	250
255									4.6	199.2	16,700	46,700*	255
260													260
265													265
270													270
275													275
280													280
285													285
290													290
295													295

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

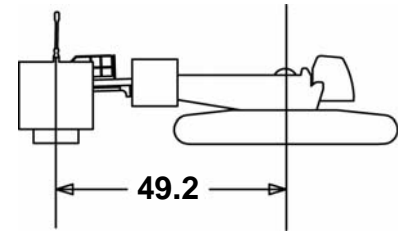
177.2 ft Boom, 216.5 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
100													100
105													105
110													110
115													115
120													120
125													125
130													130
135													135
140													140
145													145
150													150
155	62.9	372.2	39,200	109,800*									155
160	61.4	369.5	37,000	107,900									160
165	59.9	366.6	35,000	103,700									165
170	58.3	363.5	33,000	99,700									170
175	56.8	360.3	31,200	95,900									175
180	55.1	356.8	29,500	92,400									180
185	53.5	353.1	27,800	89,100									185
190	51.8	349.2	26,300	86,000	56.7	355.2	18,700	80,100					190
195	50.1	345.0	24,800	83,000	55.1	351.7	17,400	77,300					195
200	48.3	340.6	23,500	80,200	53.4	348.0	16,200	74,600					200
205	46.5	335.9	22,100	77,600	51.8	344.1	15,100	72,100					205
210	44.6	330.9	20,900	75,000	50.0	339.9	14,000	69,700					210
215	42.7	325.5	19,700	72,600	48.3	335.5	13,000	67,500					215
220	40.7	319.8	18,500	70,300	46.4	330.8	12,000	65,300	51.5	337.3	5,700	60,400	220
225	38.6	313.6	17,400	68,100	44.6	325.8	11,100	63,200	49.8	333.1	4,900	58,500	225
230	36.4	306.9	16,400	66,000	42.6	320.4	10,200	61,300	48.0	328.7	4,100	56,600	230
235	34.0	299.7	15,300	64,000	40.6	314.6	9,300	59,400	46.2	323.9	3,400	54,800	235
240	31.6	291.7	14,300	62,100	38.5	308.4	8,500	57,600	44.3	318.8	2,700	53,100	240
245	28.9	282.9	13,400	60,300	36.3	301.7	7,700	55,800	42.3	313.4	2,000	51,500	245
250	25.9	272.9	12,500	58,500	33.9	294.4	6,900	54,200	40.3	307.6		49,900	250
255	22.6	261.5	11,600	56,800	31.4	286.4	6,100	52,600	38.2	301.3		48,400	255
260	18.8	247.7	10,700	55,100	28.8	277.5	5,400	51,000	36.0	294.5		47,000	260
265	13.8	229.9	9,800	53,500	25.8	267.5	4,700	49,500	33.6	287.1		45,600	265
270	5.2	197.7	8,800	50,400*	22.5	256.0	4,000	48,100	31.1	279.0		44,200	270
275					18.6	242.2	3,300	46,700	28.4	270.0		42,900	275
280					13.6	224.0	2,600	45,300	25.4	259.8		41,700	280
285					4.4	189.9	1,700	43,800	22.0	248.1		40,400	285
290									18.0	233.7		39,200	290
295									12.7	214.6		38,000	295



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



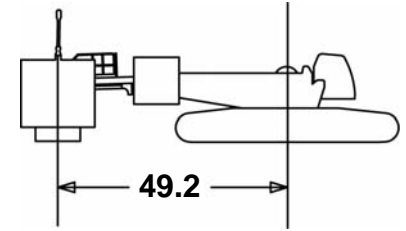
**16000 MAX-ER**

177.2 ft Boom, 236.2 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
115	67.0	403.3	92,500	105,300*	69.5	406.1	84,200	107,300*					115
120	65.7	401.0	87,100	102,300*	68.2	404.1	79,100	107,000*					120
125	64.4	398.6	82,100	99,200*	66.8	401.9	74,400	106,700*					125
130	63.0	396.1	77,500	96,100*	65.5	399.7	70,200	106,300*	68.0	402.2	62,900	102,100*	130
135	61.6	393.4	73,300	93,000*	64.2	397.2	66,200	105,900*	66.6	400.0	59,200	102,100*	135
140	60.2	390.5	69,400	89,800*	62.8	394.7	62,600	105,500*	65.3	397.8	55,900	102,100*	140
145	58.8	387.5	65,700	86,700*	61.4	392.0	59,200	105,100*	64.0	395.3	52,800	102,100*	145
150	57.4	384.3	62,400	83,600*	60.0	389.1	56,100	103,800*	62.6	392.7	49,900	102,000*	150
155	55.9	381.0	59,200	80,600*	58.6	386.0	53,200	100,800*	61.2	390.0	47,200	101,800*	155
160	54.4	377.4	56,300	77,600*	57.2	382.8	50,500	97,800*	59.8	387.1	44,700	101,600*	160
165	52.9	373.6	53,600	74,800*	55.7	379.4	47,900	94,700*	58.4	384.0	42,300	101,500*	165
170	51.4	369.7	51,000	72,000*	54.2	375.8	45,500	91,600*	56.9	380.8	40,100	101,300*	170
175	49.8	365.5	48,500	69,300*	52.7	372.0	43,300	88,500*	55.5	377.4	38,000	101,100*	175
180	48.1	361.0	46,300	66,700*	51.1	368.0	41,100	85,400*	54.0	373.7	36,000	97,400	180
185	46.5	356.3	44,100	64,200*	49.5	363.8	39,100	82,400*	52.4	369.9	34,200	93,900	185
190	44.8	351.3	42,000	61,800*	47.9	359.3	37,200	79,400*	50.9	365.9	32,400	90,600	190
195	43.0	346.0	40,100	59,500*	46.2	354.6	35,400	76,500*	49.3	361.6	30,700	87,500	195
200	41.2	340.3	38,300	57,300*	44.5	349.5	33,700	73,700*	47.7	357.1	29,100	83,900*	200
205	39.3	334.3	36,500	55,300*	42.7	344.1	32,100	71,000*	46.0	352.3	27,600	80,400*	205
210	37.3	327.8	34,800	53,400*	40.9	338.4	30,500	68,400*	44.2	347.2	26,200	77,000*	210
215	35.2	320.8	33,200	51,600*	39.0	332.3	29,000	65,900*	42.5	341.8	24,800	73,900*	215
220	33.0	313.2	31,700	49,900*	37.0	325.8	27,600	63,500*	40.6	336.0	23,500	70,900*	220
225	30.6	305.0	30,200	48,400*	34.9	318.7	26,300	61,200*	38.7	329.8	22,300	68,000*	225
230	28.1	295.9	28,800	46,900*	32.7	311.1	25,000	59,100*	36.7	323.2	21,100	65,300*	230
235	25.4	285.7	27,500	45,600*	30.3	302.7	23,700	57,100*	34.5	316.0	19,900	62,700*	235
240	22.3	274.0	26,200	44,500*	27.7	293.4	22,500	55,200*	32.3	308.3	18,800	60,300*	240
245	18.7	260.2	24,900	43,600*	25.0	283.1	21,300	53,500*	29.9	299.8	17,700	57,900*	245
250	14.3	242.6	23,600	42,900*	21.8	271.1	20,200	51,600*	27.3	290.4	16,700	55,700*	250
255	7.5	214.9	22,300	37,400*	18.2	256.9	19,100	49,100*	24.5	279.8	15,700	53,500*	255
260					13.5	238.5	18,000	44,500*	21.3	267.6	14,700	51,400*	260
265					5.8	207.2	16,800	38,000*	17.5	252.9	13,700	49,400*	265
270									12.7	233.5	12,800	45,500*	270
275									3.0	194.0	11,600	37,800*	275
280													280
285													285
290													290
295													295
300													300
305													305
310													310
315													315

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
with 98.4 ft Mast No. 59A  
332,000 lb Crane Counterweight  
120,000 lb Carbody Counterweight  
137,850 lb Hanging Counterweight  
at 49.2 ft Position  
360 Degree Rating



## 16000 MAX-ER

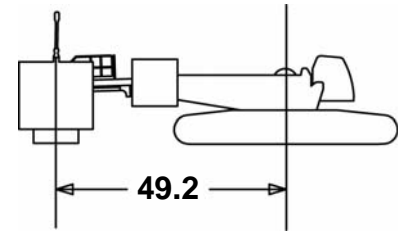
177.2 ft Boom, 236.2 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
115													115
120													120
125													125
130													130
135													135
140													140
145													145
150													150
155													155
160													160
165	62.6	389.2	33,000	92,800*									165
170	61.3	386.5	31,100	92,800*									170
175	59.9	383.6	29,300	92,800*									175
180	58.4	380.5	27,600	90,900									180
185	57.0	377.3	25,900	87,600									185
190	55.5	373.8	24,400	84,500									190
195	54.0	370.2	23,000	81,500									195
200	52.5	366.4	21,600	78,700	56.9	372.2	14,200	73,000					200
205	50.9	362.4	20,300	76,100	55.5	368.7	13,100	70,500					205
210	49.3	358.1	19,000	73,600	54.0	365.1	12,000	68,100					210
215	47.7	353.6	17,900	71,200	52.4	361.3	11,000	65,900					215
220	46.0	348.8	16,700	68,900	50.9	357.3	10,000	63,700					220
225	44.3	343.7	15,600	66,700	49.3	353.0	9,100	61,700					225
230	42.5	338.3	14,600	64,600	47.6	348.5	8,200	59,700	52.2	354.5	2,000	54,900	230
235	40.7	332.5	13,600	62,600	46.0	343.6	7,400	57,800	50.6	350.5		53,200	235
240	38.7	326.4	12,700	60,700	44.2	338.5	6,600	56,000	49.0	346.2		51,500	240
245	36.7	319.8	11,700	58,900	42.4	333.1	5,800	54,300	47.4	341.6		49,900	245
250	34.6	312.6	10,800	57,200	40.6	327.4	5,000	52,700	45.7	336.7		48,300	250
255	32.4	304.9	10,000	55,500	38.7	321.2	4,300	51,100	44.0	331.6		46,800	255
260	30.0	296.5	9,200	53,800	36.6	314.5	3,600	49,600	42.2	326.1		45,400	260
265	27.4	287.1	8,300	52,300	34.5	307.4	2,900	48,100	40.3	320.3		44,000	265
270	24.6	276.5	7,600	50,800	32.3	299.6	2,300	46,700	38.4	314.1		42,700	270
275	21.4	264.4	6,800	49,300	29.9	291.1	1,600	45,300	36.4	307.4		41,400	275
280	17.7	249.8	6,000	47,900	27.3	281.7		44,000	34.2	300.1		40,200	280
285	12.9	230.6	5,200	46,500	24.5	271.1		42,700	32.0	292.3		39,000	285
290	3.8	193.7	4,300	41,300*	21.3	258.9		41,500	29.5	283.7		37,800	290
295					17.5	244.2		40,300	26.9	274.1		36,700	295
300					12.6	224.7		39,100	24.0	263.3		35,600	300
305					2.7	184.1		37,800	20.8	250.8		34,600	305
310									16.9	235.6		33,500	310
315									11.8	215.1		32,500	315



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

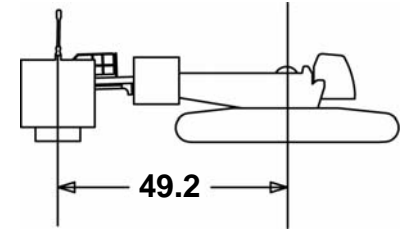
177.2 ft Boom, 255.9 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
125	66.5	420.4	80,700	90,400*	68.7	423.3	73,000	90,700*					125
130	65.2	418.1	76,200	88,000*	67.5	421.2	68,700	90,400*					130
135	64.0	415.6	71,900	85,600*	66.3	419.0	64,800	90,100*					135
140	62.7	413.1	68,000	83,100*	65.1	416.7	61,200	89,700*	67.3	419.4	54,300	86,500*	140
145	61.5	410.4	64,400	80,600*	63.8	414.2	57,800	89,300*	66.1	417.1	51,200	86,400*	145
150	60.2	407.5	61,000	78,100*	62.6	411.6	54,700	88,900*	64.9	414.8	48,300	86,300*	150
155	58.9	404.5	57,900	75,700*	61.3	408.9	51,700	88,500*	63.6	412.3	45,600	86,100*	155
160	57.5	401.3	54,900	73,200*	60.0	406.0	49,000	88,100*	62.4	409.7	43,100	85,900*	160
165	56.2	398.0	52,200	70,800*	58.7	403.0	46,500	87,700*	61.1	407.0	40,700	85,700*	165
170	54.8	394.5	49,600	68,400*	57.3	399.8	44,100	85,400*	59.8	404.0	38,500	85,500*	170
175	53.4	390.8	47,200	66,100*	56.0	396.5	41,800	83,000*	58.5	401.0	36,400	85,300*	175
180	52.0	386.9	44,900	63,800*	54.6	392.9	39,700	80,500*	57.1	397.8	34,500	85,000*	180
185	50.6	382.8	42,800	61,600*	53.2	389.2	37,700	78,100*	55.8	394.4	32,600	84,800*	185
190	49.1	378.5	40,700	59,500*	51.8	385.3	35,800	75,700*	54.4	390.8	30,900	84,500*	190
195	47.6	374.0	38,800	57,500*	50.4	381.2	34,000	73,300*	53.0	387.1	29,200	84,300*	195
200	46.0	369.2	36,900	55,500*	48.9	376.8	32,300	70,900*	51.6	383.1	27,600	82,300*	200
205	44.4	364.1	35,200	53,600*	47.4	372.2	30,700	68,600*	50.1	379.0	26,100	78,800*	205
210	42.8	358.7	33,500	51,700*	45.8	367.4	29,100	66,300*	48.6	374.6	24,700	75,500*	210
215	41.1	353.1	32,000	50,000*	44.2	362.3	27,600	64,100*	47.1	370.0	23,400	72,300*	215
220	39.3	347.0	30,400	48,400*	42.6	356.9	26,200	61,900*	45.6	365.1	22,100	69,400*	220
225	37.5	340.6	29,000	46,900*	40.9	351.2	24,900	59,800*	44.0	360.0	20,800	66,600*	225
230	35.6	333.7	27,600	45,400*	39.1	345.1	23,600	57,800*	42.3	354.5	19,600	63,900*	230
235	33.6	326.3	26,300	44,000*	37.3	338.6	22,400	55,900*	40.6	348.7	18,500	61,400*	235
240	31.5	318.3	25,000	42,800*	35.3	331.6	21,200	54,100*	38.8	342.6	17,400	59,000*	240
245	29.2	309.6	23,800	41,600*	33.3	324.2	20,100	52,400*	37.0	336.0	16,300	56,700*	245
250	26.8	299.9	22,600	40,500*	31.2	316.1	19,000	50,600*	35.0	329.0	15,300	54,500*	250
255	24.2	289.2	21,400	39,500*	28.9	307.2	17,900	48,600*	33.0	321.4	14,400	52,400*	255
260	21.2	276.8	20,300	38,700*	26.5	297.4	16,900	46,800*	30.8	313.2	13,400	50,400*	260
265	17.7	262.2	19,200	38,000*	23.8	286.5	15,900	44,900*	28.5	304.2	12,500	48,500*	265
270	13.4	243.5	18,100	35,600*	20.7	273.9	14,900	43,200*	26.1	294.3	11,600	46,600*	270
275	6.5	213.2	16,900	30,100*	17.2	258.8	13,900	40,600*	23.3	283.1	10,800	44,800*	275
280					12.6	239.3	13,000	36,600*	20.2	270.2	9,900	43,100*	280
285					4.7	204.1	11,900	30,600*	16.6	254.7	9,100	41,300*	285
290									11.8	234.0	8,200	37,500*	290
295													295
300													300
305													305
310													310
315													315
320													320
325													325
330													330
335													335



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

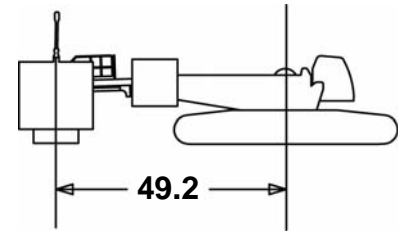
177.2 ft Boom, 255.9 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
125												125
130												130
135												135
140												140
145												145
150												150
155												155
160												160
165												165
170												170
175	62.4	406.2	27,600	78,400*								175
180	61.1	403.4	25,900	78,400*								180
185	59.8	400.5	24,300	78,400*								185
190	58.5	397.5	22,800	78,400*								190
195	57.2	394.2	21,300	78,400*								195
200	55.8	390.9	20,000	77,400								200
205	54.5	387.3	18,700	74,700								205
210	53.1	383.6	17,400	72,200	57.1	389.2	10,300	66,700				210
215	51.6	379.6	16,300	69,800	55.8	385.8	9,300	64,500				215
220	50.2	375.5	15,100	67,600	54.4	382.2	8,300	62,300				220
225	48.7	371.1	14,100	65,400	53.0	378.5	7,400	60,300				225
230	47.2	366.5	13,000	63,300	51.6	374.5	6,500	58,300				230
235	45.6	361.6	12,000	61,400	50.1	370.4	5,700	56,500				235
240	44.0	356.5	11,100	59,500	48.6	366.0	4,900	54,700	52.8	371.7	50,000	240
245	42.3	351.1	10,200	57,700	47.1	361.4	4,100	53,000	51.4	367.7	48,400	245
250	40.6	345.3	9,300	55,900	45.5	356.5	3,400	51,300	49.9	363.5	46,900	250
255	38.9	339.2	8,500	54,200	43.9	351.3	2,700	49,800	48.4	359.1	45,400	255
260	37.0	332.6	7,700	52,600	42.3	345.9	2,000	48,300	46.9	354.5	44,000	260
265	35.1	325.6	6,900	51,100	40.6	340.1		46,800	45.3	349.6	42,600	265
270	33.1	318.0	6,100	49,600	38.8	334.0		45,400	43.7	344.4	41,300	270
275	30.9	309.9	5,400	48,200	36.9	327.4		44,100	42.0	338.9	40,100	275
280	28.6	300.9	4,700	46,800	35.0	320.4		42,800	40.3	333.1	38,800	280
285	26.1	291.0	4,000	45,400	33.0	312.8		41,500	38.5	326.9	37,700	285
290	23.4	279.9	3,300	44,100	30.8	304.6		40,300	36.7	320.2	36,500	290
295	20.3	267.0	2,600	42,900	28.5	295.6		39,100	34.7	313.1	35,400	295
300	16.7	251.6	2,000	41,600*	26.0	285.6		38,000	32.7	305.5	34,400	300
305	12.0	231.2		39,900*	23.3	274.4		36,900	30.5	297.1	33,300	305
310	1.7	185.5		33,100*	20.2	261.5		35,800	28.2	288.0	32,300*	310
315					16.5	245.9		34,700	25.7	277.9	31,200*	315
320					11.7	225.2		33,700	22.9	266.5	30,200*	320
325									19.7	253.3	29,100*	325
330									15.9	237.2	28,100*	330
335									10.9	215.3	27,000*	335



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



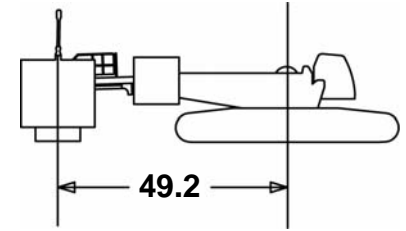
**16000 MAX-ER**

177.2 ft Boom, 275.6 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
140	64.8	435.1	66,400	75,800*	67.0	438.3	59,400	76,200*	67.9	438.6	49,300	73,200*	140
145	63.7	432.7	62,800	73,900*	65.8	436.1	56,000	75,800*	66.8	436.5	46,400	73,000*	145
150	62.5	430.1	59,400	72,000*	64.7	433.7	52,900	75,300*	65.6	434.2	43,700	72,800*	150
155	61.3	427.3	56,300	70,000*	63.5	431.2	50,000	74,900*	64.5	431.8	41,200	72,600*	155
160	60.1	424.5	53,300	68,000*	62.3	428.6	47,200	74,500*	63.3	429.3	38,800	72,300*	160
165	58.9	421.5	50,600	66,100*	61.1	425.9	44,700	74,000*	62.2	426.7	36,600	72,100*	165
170	57.7	418.3	48,000	64,100*	59.9	423.0	42,300	73,600*	61.0	423.9	34,500	71,800*	170
175	56.4	415.0	45,600	62,200*	58.7	420.0	40,100	73,100*	59.8	421.0	32,600	71,500*	175
180	55.2	411.5	43,300	60,300*	57.5	416.8	37,900	72,700*	58.5	418.0	30,700	71,200*	180
185	53.9	407.9	41,100	58,500*	56.3	413.5	35,900	72,200*	57.3	414.7	29,000	70,900*	185
190	52.6	404.1	39,100	56,600*	55.0	410.0	34,000	70,800*	56.1	411.4	27,400	70,600*	190
195	51.2	400.1	37,200	54,900*	53.7	406.3	32,300	68,900*	54.8	407.9	25,800	70,200*	195
200	49.9	395.9	35,300	53,100*	52.4	402.5	30,600	67,000*	53.5	404.2	24,300	69,900*	200
205	48.5	391.5	33,600	51,500*	51.1	398.5	28,900	65,100*	52.2	400.3	22,900	69,600*	205
210	47.1	386.9	31,900	49,800*	49.7	394.2	27,400	63,200*	50.8	396.3	21,500	69,300*	210
215	45.6	382.0	30,400	48,300*	48.3	389.8	25,900	61,300*	49.5	392.0	20,200	67,800*	215
220	44.1	376.9	28,900	46,800*	46.9	385.1	24,500	59,500*	48.1	387.6	19,000	65,000*	220
225	42.6	371.5	27,400	45,300*	45.4	380.2	23,200	57,700*	46.7	382.9	17,800	62,400*	225
230	41.0	365.8	26,000	43,900*	43.9	375.1	21,900	56,000*	45.2	377.9	16,700	59,900*	230
235	39.4	359.8	24,700	42,600*	42.4	369.7	20,700	54,300*	43.7	372.7	15,600	57,500*	235
240	37.7	353.4	23,500	41,400*	40.8	363.9	19,500	52,700*	42.2	367.3	14,600	55,200*	240
245	36.0	346.6	22,200	40,200*	39.2	357.9	18,400	51,000*	40.6	361.5	13,600	53,100*	245
250	34.1	339.3	21,100	39,000*	37.5	351.4	17,300	49,100*	38.9	355.4	12,600	51,000*	250
255	32.2	331.5	19,900	38,000*	35.7	344.5	16,300	47,200*	37.2	348.8	11,700	49,000*	255
260	30.2	323.1	18,900	37,000*	33.9	337.2	15,300	45,400*	35.4	341.9	10,800	47,100*	260
265	28.0	313.9	17,800	36,100*	31.9	329.3	14,300	43,600*	33.6	334.5	10,000	45,300*	265
270	25.6	303.8	16,800	35,300*	29.9	320.8	13,400	41,900*	31.6	326.5	9,100	43,500*	270
275	23.1	292.4	15,800	34,500*	27.7	311.5	12,500	40,200*	29.5	317.9	8,300	41,800*	275
280	20.2	279.5	14,800	33,900*	25.3	301.2	11,600	38,600*	27.3	308.4	7,500	40,100*	280
285	16.8	264.0	13,900	32,000*	22.7	289.7	10,700	37,100*	24.9	298.0	6,800	38,500*	285
290	12.6	244.2	12,900	28,400*	19.7	276.4	9,900	35,500*	22.3	286.2	6,000	37,000*	290
295	5.5	210.8	11,900	23,400*	16.3	260.5	9,000	33,000*	19.3	272.6	5,300	35,500*	295
300					11.8	239.7	8,200	29,400*	15.7	256.2	4,500	34,000*	300
305					3.4	199.5	7,200	23,600*	11.0	234.2	3,800	30,300*	305
310													310
315													315
320													320
325													325
330													330
335													335
340													340
345													345
350													350
355													355

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

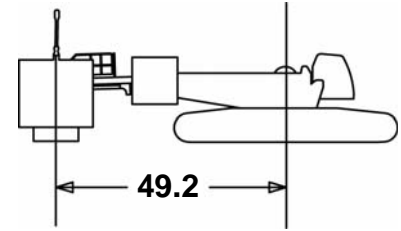
177.2 ft Boom, 275.6 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
140												140
145												145
150												150
155												155
160												160
165												165
170												170
175												175
180												180
185	62.2	423.1	22,200	66,100*								185
190	61.0	420.4	20,700	66,100*								190
195	59.8	417.5	19,300	66,100*								195
200	58.6	414.4	17,900	66,100*								200
205	57.3	411.2	16,600	66,100*								205
210	56.1	407.9	15,400	66,100*								210
215	54.8	404.4	14,200	66,100*								215
220	53.5	400.7	13,100	66,000	57.3	406.1	6,200	59,800*				220
225	52.2	396.8	12,100	63,800	56.0	402.8	5,300	58,600				225
230	50.9	392.8	11,100	61,800	54.8	399.3	4,400	56,600				230
235	49.5	388.5	10,100	59,800	53.5	395.6	3,600	54,800				235
240	48.1	384.1	9,200	57,900	52.2	391.7	2,800	53,000				240
245	46.7	379.4	8,300	56,100	50.8	387.7	2,100	51,300				245
250	45.2	374.5	7,400	54,400	49.5	383.4		49,700				250
255	43.7	369.3	6,600	52,700	48.1	379.0		48,100	52.0	385.0	43,700	255
260	42.2	363.8	5,800	51,100	46.6	374.3		46,600	50.6	380.9	42,300	260
265	40.6	358.0	5,000	49,600	45.2	369.3		45,200	49.3	376.6	40,900	265
270	39.0	351.9	4,300	48,100	43.7	364.1		43,800	47.9	372.1	39,600	270
275	37.3	345.4	3,600	46,700	42.1	358.6		42,500	46.4	367.4	38,400	275
280	35.5	338.5	2,900	45,300	40.6	352.9		41,200	45.0	362.4	37,200	280
285	33.6	331.1	2,200	44,000	38.9	346.7		39,900	43.5	357.2	36,000	285
290	31.7	323.1	1,600	42,700	37.2	340.2		38,700	41.9	351.6	34,800*	290
295	29.6	314.5		41,500	35.4	333.3		37,600	40.3	345.8	33,600*	295
300	27.4	305.1		40,300	33.6	325.8		36,500	38.7	339.6	32,400*	300
305	25.0	294.7		38,800*	31.6	317.9		35,400	37.0	333.1	31,200*	305
310	22.4	283.0		37,300*	29.5	309.2		34,300	35.2	326.1	30,100*	310
315	19.4	269.5		35,800*	27.3	299.7		33,300	33.3	318.6	29,100*	315
320	15.8	253.2		34,300*	24.9	289.3		32,300	31.3	310.5	28,000*	320
325	11.2	231.4		32,700*	22.2	277.5		31,300	29.2	301.7	27,000*	325
330					19.2	263.9		30,400	27.0	292.1	26,000*	330
335					15.6	247.5		29,400*	24.5	281.5	25,100*	335
340					10.9	225.4		28,300*	21.8	269.5	24,100*	340
345									18.8	255.6	23,200*	345
350									15.1	238.6	22,300*	350
355									10.1	215.2	21,300*	355



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



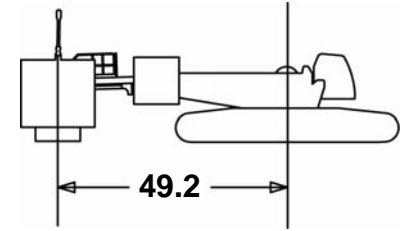
**16000 MAX-ER**

196.9 ft Boom, 78.7 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
50	70.9	280.0	285,900	339,600*c									50
55	67.0	277.9	253,800	307,600*b									55
60	62.9	275.4	227,900	281,800*b									60
65	58.6	272.3	206,400	260,700*b	67.2	276.9	191,500	328,400*c					65
70	54.2	268.8	188,300	243,100*b	63.2	274.4	174,700	313,100*b					70
75	49.4	264.6	172,800	228,400*	58.9	271.4	160,300	293,800*b	67.4	275.3	147,700	307,700c	75
80	44.3	259.6	159,500	216,300*	54.5	267.9	147,900	272,600*b	63.4	272.8	136,300	284,000b	80
85	38.6	253.5	147,800	206,600*	49.7	263.7	137,100	255,200*	59.1	269.9	126,300	263,500b	85
90	31.9	245.9	137,400	199,200*	44.6	258.8	127,600	240,800*	54.7	266.4	117,500	245,600b	90
95	23.6	235.6	128,000	194,800*	39.0	252.8	119,000	229,000*	50.0	262.2	109,600	229,800	95
100	8.9	216.1	119,100	160,400*	32.4	245.3	111,300	219,900*	44.9	257.3	102,600	215,800	100
105					24.2	235.2	104,300	209,800	39.3	251.4	96,200	203,300	105
110					10.7	217.3	97,500	173,900*	32.8	244.0	90,400	192,000	110
115									24.7	234.2	85,000	181,800	115
120									11.8	217.1	79,700	172,200	120
125													125
130													130
135													135
140													140
145													145
150													150
155													155
160													160
165													165
170													170

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



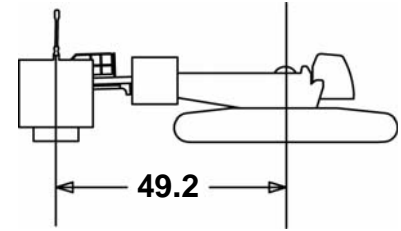
## 16000 MAX-ER

196.9 ft Boom, 78.7 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
50													50
55													55
60													60
65													65
70													70
75													75
80													80
85													85
90													90
95													95
100	60.7	267.0	87,600	204,000 <sup>b</sup>									100
105	56.4	263.7	82,200	192,200 <sup>b</sup>									105
110	51.8	259.8	77,200	181,600									110
115	46.8	255.2	72,700	172,100									115
120	41.4	249.7	68,500	163,300	57.6	259.3	56,600	153,900 <sup>b</sup>					120
125	35.3	243.0	64,600	155,300	53.1	255.6	53,300	146,500 <sup>b</sup>					125
130	27.9	234.2	61,000	147,900	48.3	251.2	50,300	139,600					130
135	17.8	221.2	57,500	141,000	43.0	246.0	47,500	133,200					135
140					37.1	239.6	44,900	127,400					140
145					30.2	231.5	42,400	121,900	49.1	245.1	33,100	114,600	145
150					21.2	220.2	39,900	116,700	44.0	240.1	31,200	109,900	150
155									38.2	234.0	29,400	105,500	155
160									31.5	226.3	27,600	101,300	160
165									23.1	215.7	25,900	97,300	165
170									7.0	194.4	23,900	93,300	170

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
with 98.4 ft Mast No. 59A  
332,000 lb Crane Counterweight  
120,000 lb Carbody Counterweight  
137,850 lb Hanging Counterweight  
at 49.2 ft Position  
360 Degree Rating



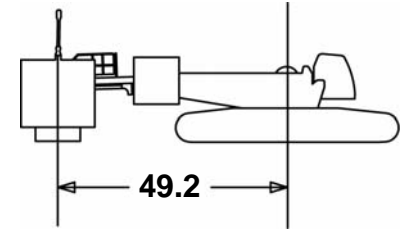
## 16000 MAX-ER

### 196.9 ft Boom, 98.4 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
55	71.8	299.1	253,900	302,800*c									55
60	68.7	297.2	227,800	278,100*b									60
65	65.5	294.9	206,300	256,300*b									65
70	62.2	292.3	188,200	237,900*b	68.9	296.2	174,000	296,600*b					70
75	58.8	289.3	172,700	222,200*	65.7	293.9	159,700	284,500*b					75
80	55.3	285.9	159,400	209,200*	62.4	291.3	147,300	272,700*b					80
85	51.6	282.0	147,800	198,000*	59.0	288.4	136,600	254,400*	65.9	292.4	125,300	262,400b	85
90	47.7	277.5	137,600	188,400*	55.5	285.0	127,100	237,900*	62.6	289.8	116,500	244,600b	90
95	43.5	272.3	128,500	180,200*	51.8	281.1	118,600	224,200*	59.2	286.8	108,700	228,900	95
100	38.9	266.3	120,300	172,800*	47.9	276.6	111,100	212,600*	55.7	283.4	101,800	215,000	100
105	33.9	259.1	113,000	163,100*	43.8	271.5	104,300	202,700*	52.0	279.6	95,500	202,600	105
110	27.9	250.2	106,300	155,000*	39.2	265.5	98,200	194,500*	48.1	275.2	89,900	191,400	110
115	20.3	238.2	100,000	149,000*	34.2	258.5	92,500	185,500*	44.0	270.1	84,700	181,300	115
120	5.8	213.8	93,900	128,100*	28.3	249.7	87,300	175,500*	39.5	264.2	80,000	172,100	120
125					20.9	238.0	82,500	167,400*	34.5	257.2	75,600	163,800	125
130					7.8	216.1	77,600	138,900*	28.7	248.5	71,500	156,000	130
135									21.3	237.0	67,700	148,900	135
140									9.0	216.5	63,800	142,100	140
145													145
150													150
155													155
160													160
165													165
170													170
175													175
180													180
185													185

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



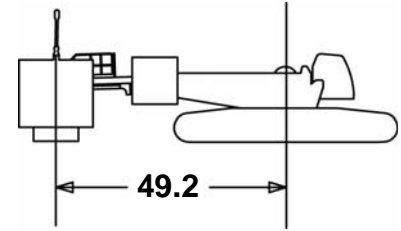
## 16000 MAX-ER

### 196.9 ft Boom, 98.4 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
55													55
60													60
65													65
70													70
75													75
80													80
85													85
90													90
95													95
100													100
105													105
110	60.5	284.0	76,000	180,500									110
115	57.0	280.7	71,500	171,000									115
120	53.4	277.1	67,500	162,300									120
125	49.6	272.9	63,700	154,400									125
130	45.5	268.0	60,300	147,200									130
135	41.2	262.5	57,100	140,500	54.4	272.7	46,200	132,100					135
140	36.4	255.9	54,100	134,400	50.7	268.7	43,700	126,300					140
145	30.9	247.9	51,200	128,600	46.7	264.0	41,400	121,000					145
150	24.3	237.7	48,500	123,300	42.5	258.7	39,200	116,000					150
155	14.9	222.4	45,900	118,200	37.8	252.4	37,100	111,300	51.4	262.6	28,000	104,300	155
160					32.6	244.9	35,100	106,900	47.5	258.0	26,400	100,200	160
165					26.3	235.5	33,200	102,800	43.3	252.8	24,900	96,400	165
170					18.1	222.3	31,300	98,900	38.7	246.8	23,400	92,800	170
175									33.5	239.5	22,100	89,400	175
180									27.5	230.5	20,700	86,200	180
185									19.8	218.2	19,300	83,100	185

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
with 98.4 ft Mast No. 59A  
332,000 lb Crane Counterweight  
120,000 lb Carbody Counterweight  
137,850 lb Hanging Counterweight  
at 49.2 ft Position  
360 Degree Rating



## 16000 MAX-ER

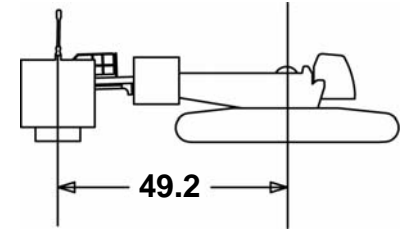
196.9 ft Boom, 118.1 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
60	72.4	318.2	227,100	258,000*b									60
65	69.8	316.4	205,400	246,900*b									65
70	67.2	314.3	187,300	234,900*b									70
75	64.5	311.9	171,800	219,400*	70.0	315.4	158,300	268,400*b					75
80	61.8	309.3	158,400	205,700*	67.4	313.3	145,900	258,900*b					80
85	58.9	306.3	146,800	193,800*	64.7	310.9	135,200	249,300*					85
90	56.0	302.9	136,600	183,600*	61.9	308.3	125,700	237,700*	67.5	311.7	114,700	243,000b	90
95	53.0	299.2	127,600	174,600*	59.1	305.3	117,300	224,600*	64.8	309.4	107,000	227,300	95
100	49.8	295.0	119,500	164,500*	56.2	302.0	109,800	211,400*	62.1	306.7	100,100	213,500	100
105	46.5	290.3	112,200	154,800*	53.2	298.3	103,100	200,200*	59.3	303.8	93,900	201,100	105
110	43.0	285.1	105,600	145,700*	50.0	294.1	97,000	189,800*	56.3	300.5	88,300	190,000	110
115	39.2	279.1	99,600	137,600*	46.7	289.5	91,400	178,800*	53.3	296.8	83,200	180,000	115
120	35.0	272.1	94,200	130,400*	43.2	284.3	86,400	168,500*	50.2	292.7	78,500	170,900	120
125	30.4	264.0	89,100	124,100*	39.4	278.3	81,700	158,900*	46.9	288.0	74,300	162,600	125
130	24.9	253.9	84,400	118,800*	35.3	271.5	77,400	150,100*	43.4	282.9	70,300	154,900	130
135	17.9	240.3	79,900	115,100*	30.7	263.4	73,400	142,300*	39.6	276.9	66,700	147,900	135
140					25.3	253.5	69,700	135,500*	35.5	270.1	63,300	141,400	140
145					18.4	240.2	66,100	130,100*	31.0	262.1	60,100	135,400	145
150					5.2	213.4	62,400	109,600*	25.6	252.3	57,100	129,800	150
155									18.8	239.3	54,200	124,500	155
160									6.7	214.7	51,100	115,500*	160
165													165
170													170
175													175
180													180
185													185
190													190
195													195
200													200
205													205



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

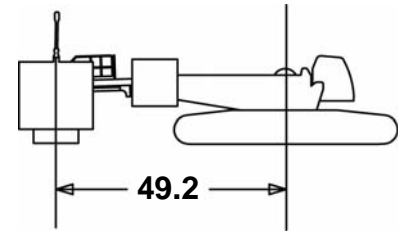
196.9 ft Boom, 118.1 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
60													60
65													65
70													70
75													75
80													80
85													85
90													90
95													95
100													100
105													105
110													110
115													115
120	60.3	300.9	65,400	160,600									120
125	57.4	297.7	61,800	152,800									125
130	54.5	294.2	58,400	145,600									130
135	51.4	290.2	55,300	139,000									135
140	48.1	285.8	52,400	132,900									140
145	44.7	280.8	49,600	127,300	55.3	289.8	39,200	119,200					145
150	41.0	275.2	47,100	122,000	52.3	286.0	37,100	114,300					150
155	37.1	268.8	44,700	117,100	49.1	281.7	35,100	109,700					155
160	32.7	261.2	42,500	112,600	45.7	276.9	33,200	105,400					160
165	27.7	252.2	40,300	108,200	42.1	271.4	31,500	101,400	52.8	279.8	22,600	94,600	165
170	21.6	240.6	38,300	104,200	38.3	265.2	29,800	97,600	49.6	275.6	21,300	91,000	170
175	12.7	223.1	36,200	100,200	34.0	258.1	28,200	94,000	46.3	270.9	20,000	87,700	175
180					29.2	249.5	26,700	90,700	42.8	265.6	18,800	84,600	180
185					23.5	238.9	25,200	87,500	39.0	259.5	17,600	81,600	185
190					15.8	223.8	23,600	84,400	34.8	252.6	16,500	78,800	190
195									30.1	244.3	15,400	76,100	195
200									24.6	234.1	14,300	73,600	200
205									17.4	220.2	13,200	71,100	205



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



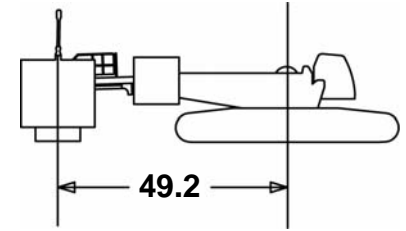
**16000 MAX-ER**

196.9 ft Boom, 137.8 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
70	70.6	335.6	186,600	213,100* <sup>b</sup>									70
75	68.4	333.6	171,100	204,000*									75
80	66.1	331.4	157,700	194,600*	70.8	334.5	144,800	230,500* <sup>b</sup>					80
85	63.8	328.9	146,000	185,000*	68.5	332.6	134,100	226,100*					85
90	61.4	326.2	135,800	175,400*	66.3	330.4	124,600	218,200*					90
95	59.0	323.2	126,700	166,000*	63.9	327.9	116,200	209,600*					95
100	56.5	319.9	118,700	156,900*	61.6	325.2	108,700	200,500*	66.4	328.8	98,800	212,200	100
105	54.0	316.3	111,400	148,200*	59.2	322.3	102,000	191,100*	64.1	326.4	92,600	199,900	105
110	51.3	312.4	104,800	140,000*	56.7	319.0	95,900	181,600*	61.7	323.7	87,000	188,800	110
115	48.5	308.0	98,900	132,300*	54.1	315.4	90,400	172,100*	59.3	320.7	81,900	178,800	115
120	45.6	303.2	93,500	125,100*	51.5	311.5	85,400	163,100*	56.8	317.5	77,300	169,700	120
125	42.6	297.8	88,500	118,400*	48.7	307.1	80,800	154,300*	54.2	313.9	73,000	161,500	125
130	39.4	291.8	83,900	112,300*	45.8	302.3	76,500	146,000*	51.6	310.0	69,100	153,900	130
135	35.9	285.1	79,600	106,800*	42.8	297.0	72,600	138,200*	48.9	305.7	65,500	146,900	135
140	32.0	277.3	75,700	101,900*	39.6	291.1	69,000	130,900*	46.0	300.9	62,200	140,500	140
145	27.7	268.2	72,000	97,600*	36.1	284.4	65,600	124,100*	43.0	295.6	59,100	134,500	145
150	22.6	257.1	68,500	94,100*	32.3	276.7	62,400	118,000*	39.7	289.7	56,200	129,000	150
155	16.0	241.9	65,100	91,800*	28.0	267.7	59,400	112,500*	36.3	283.0	53,400	123,800	155
160					23.0	256.7	56,600	107,700*	32.5	275.4	50,900	119,000	160
165					16.5	241.9	53,800	104,100*	28.2	266.5	48,400	114,400	165
170									23.3	255.6	46,100	110,200	170
175									16.9	241.1	43,900	106,100	175
180									4.2	211.1	41,400	93,100*	180
185													185
190													190
195													195
200													200
205													205
210													210
215													215
220													220
225													225

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

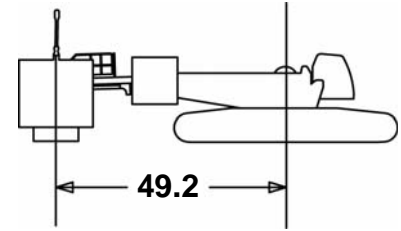
196.9 ft Boom, 137.8 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
70													70
75													75
80													80
85													85
90													90
95													95
100													100
105													105
110													110
115													115
120													120
125	62.6	320.7	60,200	151,500									125
130	60.2	317.9	56,900	144,300									130
135	57.7	314.7	53,800	137,800									135
140	55.2	311.3	50,900	131,700									140
145	52.6	307.5	48,200	126,100									145
150	49.9	303.3	45,800	120,900									150
155	47.1	298.7	43,400	116,000	55.9	306.8	33,500	108,300					155
160	44.1	293.6	41,200	111,500	53.3	303.1	31,700	104,100					160
165	40.9	288.0	39,200	107,300	50.7	299.1	29,900	100,100					165
170	37.6	281.6	37,200	103,300	47.9	294.6	28,300	96,400					170
175	33.9	274.4	35,400	99,500	45.0	289.7	26,800	92,900					175
180	29.9	266.0	33,600	96,000	41.9	284.2	25,300	89,600	51.1	293.0	17,100	83,200	180
185	25.2	255.9	31,900	92,600	38.6	278.0	23,900	86,400	48.4	288.6	16,000	80,300	185
190	19.5	243.1	30,300	89,400	35.0	271.1	22,600	83,500	45.5	283.7	14,900	77,500	190
195	11.0	223.2	28,600	86,300	31.1	263.1	21,300	80,700	42.4	278.3	13,900	74,900	195
200					26.6	253.6	20,100	78,000	39.2	272.3	12,900	72,400	200
205					21.3	241.7	18,900	75,400	35.7	265.5	12,000	70,100	205
210					14.0	224.9	17,700	72,900	31.8	257.7	11,100	67,800	210
215									27.5	248.5	10,200	65,600	215
220									22.3	237.2	9,300	63,500	220
225									15.5	221.7	8,400	61,500	225



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



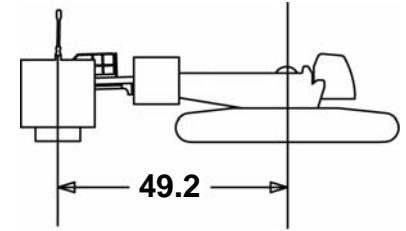
**16000 MAX-ER**

196.9 ft Boom, 157.5 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
80	69.3	352.8	156,500	177,800*									80
85	67.3	350.7	144,800	170,700*									85
90	65.3	348.4	134,500	163,300*	69.4	351.8	123,000	194,800*					90
95	63.3	345.9	125,500	155,800*	67.4	349.7	114,600	190,900*					95
100	61.2	343.2	117,400	148,400*	65.4	347.4	107,100	184,600*					100
105	59.1	340.2	110,100	141,100*	63.4	344.9	100,400	177,900*	67.5	348.1	90,700	188,300*	105
110	56.9	336.9	103,600	134,000*	61.3	342.2	94,300	170,800*	65.5	345.9	85,100	187,200	110
115	54.7	333.4	97,600	127,200*	59.2	339.2	88,800	163,600*	63.5	343.4	80,100	177,300	115
120	52.4	329.6	92,200	120,700*	57.0	336.0	83,800	156,200*	61.4	340.6	75,500	168,200	120
125	50.0	325.4	87,200	114,600*	54.8	332.5	79,200	148,900*	59.3	337.7	71,200	159,900	125
130	47.6	320.9	82,700	108,800*	52.5	328.7	75,000	141,600*	57.1	334.5	67,400	152,400	130
135	45.0	316.0	78,400	103,300*	50.2	324.6	71,100	134,600*	54.9	331.0	63,800	145,400	135
140	42.3	310.5	74,500	98,200*	47.7	320.1	67,500	128,000*	52.6	327.2	60,500	139,000	140
145	39.5	304.6	70,900	93,600*	45.2	315.1	64,200	121,600*	50.3	323.1	57,400	133,100	145
150	36.5	298.0	67,500	89,300*	42.5	309.8	61,000	115,500*	47.8	318.6	54,500	127,600	150
155	33.2	290.5	64,300	85,400*	39.7	303.8	58,100	109,900*	45.3	313.7	51,900	122,500	155
160	29.6	282.0	61,300	82,000*	36.7	297.3	55,400	104,600*	42.6	308.4	49,300	117,700	160
165	25.6	272.0	58,500	79,000*	33.4	289.9	52,800	99,700*	39.8	302.5	47,000	113,200	165
170	20.7	259.8	55,800	76,600*	29.9	281.5	50,300	95,300*	36.8	295.9	44,800	109,000	170
175	14.4	243.1	53,200	75,100*	25.8	271.6	48,000	91,300*	33.6	288.6	42,600	105,000	175
180					21.1	259.5	45,800	88,000*	30.0	280.2	40,600	101,300	180
185					14.9	243.2	43,600	85,400*	26.1	270.4	38,700	97,800	185
190									21.4	258.5	36,900	94,400	190
195									15.3	242.5	35,000	91,200	195
200													200
205													205
210													210
215													215
220													220
225													225
230													230
235													235
240													240
245													245

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

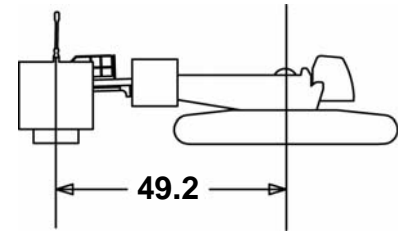
196.9 ft Boom, 157.5 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
80													80
85													85
90													90
95													95
100													100
105													105
110													110
115													115
120													120
125													125
130													130
135	62.2	337.7	51,700	136,000									135
140	60.1	334.8	48,800	130,000									140
145	57.9	331.7	46,200	124,400									145
150	55.7	328.3	43,800	119,200									150
155	53.5	324.6	41,500	114,400									155
160	51.2	320.6	39,300	109,900									160
165	48.8	316.3	37,300	105,700	56.4	323.9	27,700	98,300					165
170	46.2	311.6	35,400	101,800	54.1	320.3	26,200	94,600					170
175	43.6	306.4	33,600	98,100	51.8	316.4	24,700	91,100					175
180	40.9	300.7	31,900	94,600	49.4	312.1	23,200	87,900					180
185	37.9	294.4	30,300	91,300	47.0	307.5	21,900	84,800					185
190	34.8	287.4	28,800	88,100	44.4	302.5	20,600	81,900	52.2	310.2	12,600	75,700	190
195	31.4	279.4	27,300	85,200	41.7	296.9	19,400	79,100	49.9	306.0	11,700	73,100	195
200	27.6	270.2	25,900	82,300	38.8	290.8	18,300	76,500	47.4	301.5	10,700	70,700	200
205	23.2	259.2	24,500	79,600	35.7	284.0	17,200	74,000	44.9	296.5	9,800	68,300	205
210	17.7	245.1	23,200	77,100	32.4	276.4	16,100	71,600	42.2	291.1	9,000	66,100	210
215	9.4	222.9	21,800	74,500	28.7	267.5	15,100	69,300	39.3	285.1	8,200	64,000	215
220					24.5	257.1	14,100	67,100	36.3	278.4	7,400	62,000	220
225					19.5	244.2	13,000	65,000	33.0	270.9	6,600	60,100	225
230					12.4	225.5	12,000	62,900	29.4	262.4	5,900	58,200	230
235									25.3	252.3	5,100	56,400	235
240									20.4	239.9	4,400	54,700	240
245									13.9	222.7	3,600	53,000	245



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



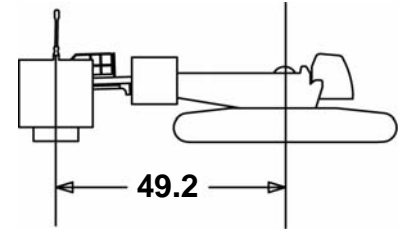
**16000 MAX-ER**

196.9 ft Boom, 177.2 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
90	68.2	370.0	133,500	150,000*									90
95	66.4	367.8	124,400	144,300*	70.1	371.0	113,300	164,300*					95
100	64.7	365.4	116,300	138,500*	68.3	369.0	105,800	164,300*					100
105	62.8	362.9	109,000	132,700*	66.6	366.8	99,100	162,600*					105
110	61.0	360.1	102,400	126,900*	64.8	364.5	93,000	157,600*					110
115	59.1	357.1	96,500	121,200*	63.0	361.9	87,500	152,300*	66.6	365.2	78,600	158,600*	115
120	57.2	353.9	91,100	115,600*	61.1	359.2	82,500	146,800*	64.9	362.9	74,000	158,600*	120
125	55.2	350.5	86,100	110,200*	59.2	356.2	77,900	141,100*	63.0	360.4	69,800	158,600*	125
130	53.2	346.8	81,500	105,000*	57.3	353.0	73,700	135,400*	61.2	357.6	65,900	151,100	130
135	51.1	342.8	77,300	100,000*	55.3	349.6	69,800	129,600*	59.3	354.6	62,400	144,200	135
140	49.0	338.5	73,400	95,300*	53.3	345.9	66,300	123,900*	57.4	351.5	59,100	137,800	140
145	46.8	333.8	69,800	90,900*	51.3	341.9	62,900	118,200*	55.4	348.0	56,000	131,900	145
150	44.5	328.8	66,500	86,700*	49.1	337.6	59,800	112,800*	53.4	344.4	53,200	126,400	150
155	42.1	323.3	63,300	82,800*	46.9	333.0	56,900	107,700*	51.4	340.4	50,500	121,300	155
160	39.6	317.3	60,400	79,200*	44.6	328.0	54,200	102,700*	49.2	336.1	48,000	116,500	160
165	36.9	310.8	57,600	75,800*	42.3	322.5	51,600	98,000*	47.0	331.5	45,700	112,100	165
170	34.1	303.6	55,000	72,700*	39.8	316.6	49,200	93,600*	44.8	326.5	43,500	107,900	170
175	31.0	295.5	52,500	69,900*	37.1	310.1	47,000	89,400*	42.4	321.1	41,400	104,000	175
180	27.6	286.3	50,200	67,500*	34.3	302.9	44,800	85,500*	39.9	315.2	39,400	100,300	180
185	23.8	275.5	48,000	65,400*	31.2	294.9	42,800	81,900*	37.2	308.7	37,600	96,800	185
190	19.2	262.2	45,800	63,700*	27.8	285.7	40,900	78,700*	34.4	301.6	35,800	93,500	190
195	13.0	243.9	43,700	62,700*	24.0	275.1	39,000	75,800*	31.4	293.6	34,100	90,300	195
200					19.5	262.0	37,200	73,300*	28.0	284.5	32,500	87,400	200
205					13.5	244.2	35,400	71,500*	24.2	274.0	30,900	84,500	205
210									19.8	261.0	29,400	81,800	210
215									13.9	243.6	27,900	76,500*	215
220													220
225													225
230													230
235													235
240													240
245													245
250													250
255													255
260													260
265													265

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

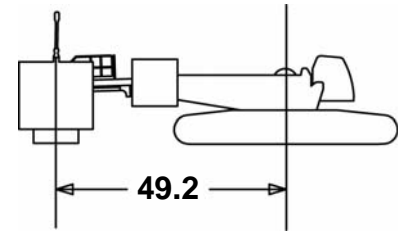
196.9 ft Boom, 177.2 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
90													90
95													95
100													100
105													105
110													110
115													115
120													120
125													125
130													130
135													135
140													140
145	61.9	354.6	44,600	123,000									145
150	60.0	351.8	42,100	117,900									150
155	58.1	348.7	39,900	113,100									155
160	56.2	345.3	37,700	108,600									160
165	54.2	341.7	35,700	104,400									165
170	52.1	337.9	33,900	100,500									170
175	50.0	333.7	32,100	96,800	56.7	340.9	22,900	89,700					175
180	47.9	329.2	30,400	93,300	54.8	337.4	21,600	86,500					180
185	45.6	324.4	28,900	90,000	52.7	333.6	20,200	83,400					185
190	43.3	319.1	27,400	86,900	50.6	329.5	19,000	80,500					190
195	40.8	313.4	25,900	84,000	48.5	325.1	17,800	77,800					195
200	38.2	307.2	24,600	81,200	46.3	320.4	16,700	75,200					200
205	35.5	300.3	23,300	78,600	43.9	315.2	15,600	72,700	51.0	323.4	8,100	66,900	205
210	32.5	292.7	22,000	76,100	41.5	309.7	14,600	70,300	48.9	319.0	7,300	64,700	210
215	29.3	284.0	20,800	73,700	39.0	303.6	13,600	68,100	46.7	314.4	6,500	62,600	215
220	25.7	274.1	19,700	71,400	36.3	296.9	12,700	66,000	44.4	309.3	5,700	60,600	220
225	21.5	262.1	18,500	69,200	33.4	289.5	11,700	63,900	42.0	303.8	5,000	58,700	225
230	16.3	246.8	17,400	67,000	30.2	281.2	10,900	62,000	39.4	297.8	4,300	56,900	230
235	8.1	221.9	16,200	64,900	26.8	271.6	10,000	60,100	36.8	291.3	3,600	55,200	235
240					22.8	260.4	9,200	58,300	33.9	284.0	3,000	53,500	240
245					17.9	246.2	8,300	56,500	30.8	275.9	2,300	51,900	245
250					11.1	225.7	7,400	54,800	27.4	266.6	1,700	50,300	250
255									23.5	255.6		48,800	255
260									18.9	242.2		47,400	260
265									12.6	223.4		45,900	265



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

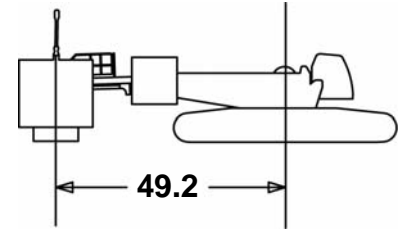
196.9 ft Boom, 196.9 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
105	65.8	384.9	107,600	123,200*	69.0	388.2	97,400	138,200*					105
110	64.1	382.5	101,000	118,700*	67.5	386.1	91,300	138,200*					110
115	62.5	379.9	95,100	114,100*	65.9	383.9	85,900	138,200*					115
120	60.8	377.1	89,600	109,500*	64.2	381.5	80,800	135,400*	67.5	384.5	72,100	132,400*	120
125	59.1	374.1	84,700	105,000*	62.6	378.9	76,300	131,300*	65.9	382.3	67,900	132,400*	125
130	57.4	370.9	80,100	100,600*	60.9	376.1	72,100	127,000*	64.3	379.9	64,000	132,400*	130
135	55.7	367.5	75,900	96,300*	59.3	373.1	68,200	122,600*	62.7	377.3	60,500	132,400*	135
140	53.9	363.9	72,000	92,200*	57.5	370.0	64,600	118,100*	61.0	374.6	57,200	132,400*	140
145	52.0	360.0	68,400	88,200*	55.8	366.6	61,300	113,600*	59.3	371.6	54,200	130,400	145
150	50.1	355.9	65,100	84,300*	54.0	363.0	58,200	109,100*	57.6	368.5	51,300	124,900	150
155	48.2	351.4	61,900	80,700*	52.1	359.1	55,300	104,600*	55.9	365.1	48,700	119,800	155
160	46.2	346.7	59,000	77,200*	50.3	355.0	52,600	100,200*	54.1	361.5	46,200	115,100	160
165	44.1	341.5	56,200	74,000*	48.3	350.6	50,100	96,000*	52.2	357.6	43,900	110,600	165
170	41.9	336.0	53,700	70,900*	46.3	345.8	47,700	91,900*	50.3	353.5	41,700	106,500	170
175	39.7	330.1	51,200	68,000*	44.2	340.7	45,400	88,000*	48.4	349.1	39,700	102,500	175
180	37.3	323.6	48,900	65,300*	42.1	335.3	43,300	84,300*	46.4	344.4	37,700	98,900	180
185	34.8	316.6	46,700	62,800*	39.8	329.4	41,300	80,800*	44.3	339.3	35,900	95,400	185
190	32.1	308.8	44,700	60,500*	37.4	322.9	39,400	77,500*	42.2	333.9	34,200	92,100	190
195	29.1	300.1	42,700	58,500*	34.9	315.9	37,600	74,300*	39.9	328.0	32,500	89,000	195
200	25.9	290.1	40,800	56,700*	32.3	308.1	35,900	71,400*	37.6	321.6	30,900	86,100	200
205	22.2	278.5	39,000	55,100*	29.3	299.5	34,200	68,700*	35.1	314.6	29,400	83,300	205
210	17.8	264.3	37,200	54,000*	26.1	289.7	32,700	66,300*	32.4	306.9	28,000	80,600	210
215	11.9	244.3	35,500	53,400*	22.5	278.2	31,100	64,100*	29.5	298.3	26,600	78,100	215
220					18.2	264.1	29,600	62,300*	26.3	288.5	25,300	75,300*	220
225					12.3	244.8	28,200	61,000*	22.7	277.1	24,000	72,200*	225
230									18.4	263.2	22,800	69,300*	230
235									12.7	244.3	21,500	63,900*	235
240													240
245													245
250													250
255													255
260													260
265													265
270													270
275													275
280													280
285													285



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

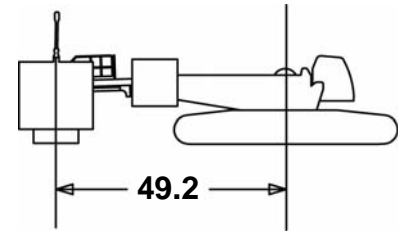
196.9 ft Boom, 196.9 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
105													105
110													110
115													115
120													120
125													125
130													130
135													135
140													140
145													145
150													150
155	61.6	371.6	37,800	111,400									155
160	60.0	368.7	35,700	106,900									160
165	58.3	365.6	33,700	102,700									165
170	56.5	362.4	31,800	98,800									170
175	54.7	358.8	30,100	95,200									175
180	52.9	355.1	28,500	91,700									180
185	51.0	351.0	26,900	88,500	57.0	357.9	18,000	81,600					185
190	49.1	346.8	25,400	85,400	55.2	354.4	16,800	78,800					190
195	47.1	342.2	24,000	82,500	53.4	350.7	15,700	76,000					195
200	45.1	337.2	22,700	79,700	51.6	346.8	14,600	73,500					200
205	43.0	331.9	21,400	77,100	49.7	342.6	13,500	71,000					205
210	40.8	326.2	20,200	74,600	47.7	338.0	12,500	68,700					210
215	38.4	320.0	19,100	72,200	45.7	333.2	11,600	66,500	51.9	340.6	4,200	60,800	215
220	36.0	313.2	18,000	70,000	43.6	328.0	10,700	64,400	50.0	336.5	3,500	58,900	220
225	33.4	305.8	16,900	67,800	41.4	322.4	9,800	62,300	48.1	332.0	2,800	57,000	225
230	30.6	297.5	15,900	65,700	39.1	316.4	8,900	60,400	46.1	327.2	2,100	55,200	230
235	27.5	288.2	14,900	63,700	36.7	309.7	8,100	58,600	44.0	322.1	1,500	53,500	235
240	24.1	277.5	13,900	61,800	34.2	302.5	7,300	56,800	41.8	316.6		51,800	240
245	20.1	264.7	12,900	60,000	31.4	294.5	6,600	55,100	39.5	310.6		50,200	245
250	15.0	248.2	12,000	58,200	28.4	285.6	5,800	53,500	37.2	304.1		48,700	250
255	6.8	220.3	10,900	56,400	25.1	275.3	5,100	51,900	34.6	297.0		47,300	255
260					21.3	263.2	4,400	50,300	31.9	289.1		45,900	260
265					16.6	248.0	3,700	48,800	29.0	280.4		44,500	265
270					9.9	225.5	2,900	47,300	25.7	270.4		43,200	270
275									22.0	258.7		41,900	275
280									17.6	244.2		40,700	280
285									11.4	223.7		39,400	285



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



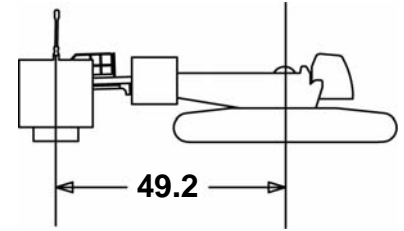
**16000 MAX-ER**

196.9 ft Boom, 216.5 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
115	65.2	401.9	93,500	105,600*									115
120	63.7	399.5	88,000	102,000*	66.7	403.2	79,100	117,400*					120
125	62.2	396.8	83,100	98,400*	65.3	400.9	74,500	117,300*					125
130	60.7	394.0	78,500	94,900*	63.8	398.5	70,300	116,600*	66.8	401.6	62,100	112,500*	130
135	59.2	391.1	74,300	91,300*	62.3	395.9	66,400	113,400*	65.4	399.4	58,600	112,500*	135
140	57.6	387.9	70,400	87,800*	60.8	393.1	62,800	110,000*	63.9	396.9	55,300	112,500*	140
145	56.0	384.5	66,800	84,400*	59.3	390.1	59,500	106,600*	62.4	394.3	52,300	112,500*	145
150	54.4	381.0	63,400	81,100*	57.7	387.0	56,400	103,100*	60.9	391.5	49,400	112,500*	150
155	52.7	377.2	60,300	77,800*	56.1	383.6	53,500	99,600*	59.4	388.6	46,800	112,500*	155
160	51.0	373.2	57,400	74,700*	54.5	380.1	50,800	96,100*	57.8	385.4	44,300	112,500*	160
165	49.3	368.9	54,600	71,800*	52.8	376.3	48,300	92,500*	56.2	382.1	42,000	109,100	165
170	47.5	364.4	52,100	68,900*	51.1	372.3	46,000	89,100*	54.6	378.6	39,900	104,900	170
175	45.7	359.5	49,600	66,200*	49.4	368.0	43,700	85,600*	52.9	374.8	37,800	101,000	175
180	43.8	354.3	47,300	63,600*	47.6	363.5	41,600	82,300*	51.2	370.8	35,900	97,300	180
185	41.8	348.8	45,200	61,200*	45.8	358.7	39,600	79,100*	49.5	366.6	34,100	93,900	185
190	39.7	342.9	43,100	58,900*	43.9	353.5	37,700	76,100*	47.7	362.0	32,400	90,600	190
195	37.6	336.5	41,200	56,800*	41.9	348.0	35,900	73,100*	45.9	357.2	30,700	87,500	195
200	35.3	329.5	39,300	54,700*	39.9	342.1	34,200	70,300*	44.0	352.1	29,200	84,600	200
205	32.9	321.9	37,600	52,900*	37.7	335.7	32,600	67,700*	42.0	346.6	27,700	81,800	205
210	30.3	313.6	35,900	51,200*	35.5	328.8	31,100	65,100*	40.0	340.7	26,300	79,200	210
215	27.5	304.3	34,300	49,700*	33.1	321.3	29,600	62,800*	37.8	334.4	24,900	76,600	215
220	24.5	293.7	32,700	48,400*	30.5	313.0	28,200	60,600*	35.6	327.5	23,600	73,900*	220
225	20.9	281.3	31,200	47,200*	27.7	303.8	26,800	58,500*	33.2	320.0	22,400	70,900*	225
230	16.7	266.0	29,700	46,400*	24.7	293.3	25,500	56,700*	30.6	311.7	21,200	68,100*	230
235	10.8	244.5	28,200	46,100*	21.2	281.1	24,200	55,000*	27.9	302.6	20,100	65,500*	235
240					17.0	266.0	23,000	53,700*	24.8	292.2	18,900	62,900*	240
245					11.3	245.1	21,700	50,800*	21.4	280.0	17,900	60,500*	245
250									17.2	265.2	16,800	58,100*	250
255									11.6	244.7	15,700	53,100*	255
260													260
265													265
270													270
275													275
280													280
285													285
290													290
295													295
300													300
305													305

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

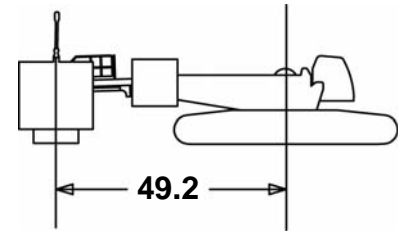
196.9 ft Boom, 216.5 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
115												115
120												120
125												125
130												130
135												135
140												140
145												145
150												150
155												155
160	63.0	391.3	33,600	102,400*								160
165	61.4	388.6	31,600	101,100								165
170	59.9	385.7	29,800	97,200								170
175	58.4	382.6	28,100	93,500								175
180	56.8	379.3	26,400	90,100								180
185	55.2	375.9	24,900	86,800								185
190	53.5	372.2	23,400	83,800								190
195	51.9	368.3	22,100	80,900	57.2	374.8	13,500	74,300				195
200	50.1	364.1	20,700	78,100	55.6	371.4	12,400	71,700				200
205	48.4	359.7	19,500	75,500	54.0	367.8	11,400	69,300				205
210	46.6	355.0	18,300	73,000	52.3	364.0	10,400	67,000				210
215	44.7	350.0	17,200	70,700	50.6	359.9	9,500	64,800				215
220	42.7	344.7	16,100	68,400	48.9	355.6	8,600	62,700				220
225	40.7	338.9	15,000	66,300	47.1	351.0	7,700	60,700	52.6	357.8	55,200	225
230	38.6	332.7	14,000	64,200	45.2	346.0	6,900	58,800	50.9	353.8	53,400	230
235	36.4	326.1	13,100	62,300	43.3	340.8	6,100	56,900	49.2	349.5	51,700	235
240	34.1	318.8	12,100	60,400	41.3	335.2	5,400	55,200	47.4	344.9	50,100	240
245	31.6	310.9	11,200	58,600	39.2	329.1	4,600	53,500	45.6	340.1	48,500	245
250	28.9	302.1	10,400	56,800	37.1	322.6	3,900	51,900	43.7	334.9	47,000	250
255	26.0	292.1	9,500	55,200	34.8	315.5	3,200	50,300	41.7	329.3	45,600	255
260	22.7	280.7	8,700	53,600	32.3	307.8	2,600	48,900	39.6	323.4	44,200	260
265	18.8	267.1	7,900	52,000	29.7	299.2	1,900	47,400	37.5	316.9	42,900	265
270	13.9	249.3	7,100	50,500	26.9	289.7		46,000	35.2	310.0	41,600	270
275	5.5	217.9	6,100	48,900	23.7	278.7		44,700	32.8	302.3	40,400	275
280					20.0	265.8		43,400	30.2	293.9	39,200	280
285					15.5	249.5		42,100	27.4	284.6	38,000	285
290					8.9	224.9		40,800	24.3	273.9	36,900	290
295									20.7	261.4	35,800	295
300									16.4	245.9	34,700	300
305									10.4	223.7	33,600	305



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



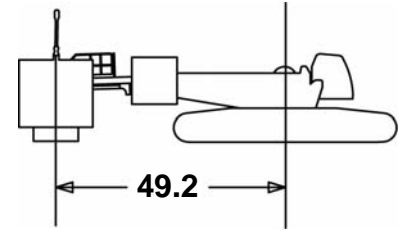
**16000 MAX-ER**

196.9 ft Boom, 236.2 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
125	64.7	419.0	81,600	90,900*	67.5	422.5	72,800	100,000*					125
130	63.4	416.5	77,000	88,100*	66.2	420.3	68,600	99,700*					130
135	62.0	413.8	72,800	85,300*	64.8	418.0	64,800	99,500*	67.5	420.9	56,700	95,600*	135
140	60.6	411.0	68,900	82,400*	63.5	415.5	61,200	99,200*	66.2	418.7	53,500	95,600*	140
145	59.2	408.0	65,300	79,600*	62.1	412.8	57,900	98,200*	64.9	416.4	50,400	95,600*	145
150	57.8	404.9	62,000	76,800*	60.7	410.0	54,800	95,600*	63.5	413.9	47,600	95,600*	150
155	56.3	401.5	58,800	74,100*	59.3	407.1	51,900	92,900*	62.2	411.3	45,000	95,600*	155
160	54.8	398.0	55,900	71,400*	57.9	403.9	49,200	90,200*	60.8	408.5	42,500	95,600*	160
165	53.3	394.3	53,200	68,800*	56.4	400.6	46,700	87,400*	59.4	405.5	40,200	95,600*	165
170	51.8	390.4	50,600	66,300*	54.9	397.1	44,300	84,600*	57.9	402.4	38,100	95,600*	170
175	50.2	386.3	48,200	63,900*	53.4	393.4	42,100	81,900*	56.5	399.1	36,100	95,600*	175
180	48.6	381.9	45,900	61,600*	51.9	389.5	40,000	79,100*	55.0	395.6	34,100	95,500*	180
185	46.9	377.3	43,700	59,300*	50.3	385.4	38,000	76,400*	53.5	391.9	32,300	92,500	185
190	45.2	372.3	41,700	57,200*	48.7	381.0	36,200	73,700*	52.0	388.0	30,600	89,200	190
195	43.5	367.1	39,800	55,100*	47.0	376.4	34,400	71,100*	50.4	383.9	29,000	86,100	195
200	41.7	361.5	37,900	53,200*	45.3	371.5	32,700	68,500*	48.8	379.6	27,500	83,200	200
205	39.8	355.6	36,200	51,300*	43.6	366.3	31,100	66,100*	47.1	375.0	26,000	80,400	205
210	37.8	349.2	34,500	49,600*	41.8	360.8	29,600	63,800*	45.4	370.1	24,600	77,800	210
215	35.8	342.4	32,900	47,900*	39.9	354.9	28,100	61,500*	43.7	364.9	23,300	75,300	215
220	33.6	335.0	31,400	46,400*	38.0	348.5	26,700	59,400*	41.9	359.4	22,000	72,900*	220
225	31.3	327.0	30,000	45,000*	35.9	341.7	25,400	57,300*	40.0	353.5	20,800	69,900*	225
230	28.8	318.1	28,600	43,800*	33.7	334.4	24,100	55,400*	38.0	347.1	19,600	67,100*	230
235	26.1	308.2	27,200	42,600*	31.5	326.3	22,900	53,600*	36.0	340.4	18,500	64,500*	235
240	23.2	297.0	25,900	41,600*	29.0	317.5	21,700	51,900*	33.9	333.0	17,400	62,000*	240
245	19.8	283.9	24,600	40,800*	26.3	307.7	20,500	50,300*	31.6	325.1	16,400	59,500*	245
250	15.6	267.6	23,400	40,200*	23.4	296.6	19,400	48,900*	29.1	316.3	15,400	57,200*	250
255	9.8	244.3	22,100	39,700*	20.0	283.6	18,300	47,600*	26.5	306.6	14,400	55,000*	255
260					15.9	267.6	17,300	46,600*	23.5	295.5	13,500	52,900*	260
265					10.3	245.1	16,200	41,900*	20.2	282.6	12,600	50,800*	265
270									16.2	266.8	11,600	48,700*	270
275									10.7	244.8	10,700	44,000*	275
280													280
285													285
290													290
295													295
300													300
305													305
310													310
315													315
320													320
325													325

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

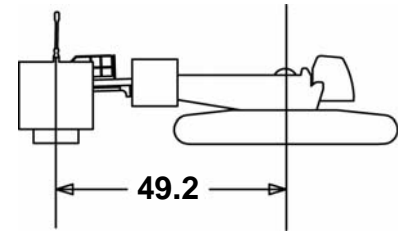
196.9 ft Boom, 236.2 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Point Elev. Feet	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Point Elev. Feet	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Point Elev. Feet	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
125												125
130												130
135												135
140												140
145												145
150												150
155												155
160												160
165												165
170	62.7	408.2	27,800	87,200*								170
175	61.3	405.5	26,100	87,200*								175
180	59.9	402.6	24,400	87,200*								180
185	58.5	399.6	22,900	85,200								185
190	57.0	396.3	21,500	82,200								190
195	55.5	392.9	20,100	79,300								195
200	54.1	389.3	18,800	76,600								200
205	52.5	385.5	17,600	74,000	57.4	391.8	9,300	67,600				205
210	51.0	381.5	16,400	71,500	56.0	388.5	8,300	65,300				210
215	49.4	377.2	15,300	69,200	54.5	384.9	7,400	63,100				215
220	47.7	372.7	14,200	66,900	53.0	381.1	6,500	61,000				220
225	46.1	367.9	13,200	64,800	51.4	377.2	5,700	59,100				225
230	44.3	362.8	12,200	62,800	49.8	373.0	4,900	57,200				230
235	42.5	357.4	11,300	60,800	48.2	368.5	4,100	55,400				235
240	40.7	351.7	10,400	59,000	46.5	363.8	3,400	53,600	51.7	371.0	48,400	240
245	38.8	345.5	9,500	57,200	44.8	358.9	2,700	52,000	50.1	366.9	46,800	245
250	36.8	338.9	8,700	55,500	43.1	353.5	2,000	50,400	48.5	362.5	45,400	250
255	34.7	331.8	7,900	53,800	41.2	347.9		48,800	46.8	357.8	43,900	255
260	32.4	324.1	7,100	52,200	39.3	341.9		47,400	45.1	352.9	42,600	260
265	30.0	315.6	6,300	50,700	37.4	335.4		45,900	43.4	347.6	41,300	265
270	27.5	306.3	5,600	49,200	35.3	328.4		44,600	41.6	342.1	40,000	270
275	24.6	295.8	4,900	47,800	33.1	320.9		43,300	39.7	336.1	38,800	275
280	21.5	283.6	4,100	46,400	30.7	312.7		42,000	37.7	329.7	37,600	280
285	17.7	269.1	3,400	45,100	28.2	303.6		40,700	35.6	322.9	36,500	285
290	13.0	250.1	2,700	43,800	25.5	293.5		39,500	33.5	315.4	35,300	290
295	4.2	214.3	1,900	41,900*	22.4	281.9		38,400	31.2	307.3	34,300*	295
300					18.9	268.1		37,300	28.7	298.4	33,100*	300
305					14.5	250.8		36,100	26.0	288.5	32,000*	305
310					7.9	223.9		35,000	23.0	277.2	30,900*	310
315									19.6	263.9	29,800*	315
320									15.4	247.4	28,800*	320
325									9.4	223.4	27,700*	325



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



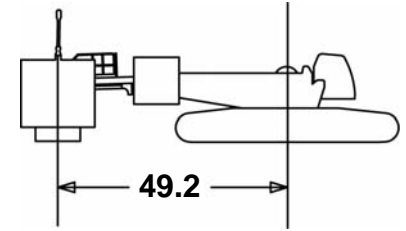
**16000 MAX-ER**

196.9 ft Boom, 255.9 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
140	63.1	433.4	67,600	76,300*	65.7	437.4	59,700	84,800*					140
145	61.8	430.8	64,000	74,100*	64.4	435.0	56,400	84,500*	66.9	438.0	48,800	81,400*	145
150	60.5	427.9	60,600	71,800*	63.2	432.5	53,300	84,200*	65.7	435.8	46,000	81,400*	150
155	59.2	425.0	57,500	69,600*	61.9	429.8	50,400	84,000*	64.5	433.4	43,400	81,400*	155
160	57.9	421.9	54,500	67,300*	60.6	427.0	47,700	83,200*	63.2	430.9	41,000	81,400*	160
165	56.6	418.6	51,800	65,100*	59.3	424.0	45,200	81,100*	62.0	428.2	38,700	81,300*	165
170	55.2	415.1	49,200	63,000*	58.0	420.9	42,900	79,000*	60.7	425.4	36,500	81,200*	170
175	53.8	411.5	46,800	60,900*	56.6	417.6	40,600	76,800*	59.4	422.5	34,500	81,100*	175
180	52.4	407.6	44,500	58,800*	55.3	414.2	38,600	74,600*	58.1	419.4	32,600	80,900*	180
185	51.0	403.6	42,400	56,800*	53.9	410.5	36,600	72,300*	56.7	416.1	30,800	80,800*	185
190	49.5	399.3	40,400	54,900*	52.5	406.7	34,700	70,100*	55.4	412.7	29,100	80,600*	190
195	48.0	394.9	38,400	53,000*	51.1	402.7	32,900	67,900*	54.0	409.0	27,500	80,500*	195
200	46.5	390.1	36,600	51,300*	49.6	398.5	31,300	65,800*	52.6	405.2	25,900	80,300*	200
205	44.9	385.1	34,900	49,500*	48.1	394.0	29,700	63,600*	51.1	401.2	24,500	79,200*	205
210	43.2	379.9	33,200	47,900*	46.6	389.3	28,100	61,600*	49.7	397.0	23,100	76,600	210
215	41.6	374.3	31,600	46,300*	45.0	384.3	26,700	59,600*	48.2	392.5	21,800	74,100	215
220	39.8	368.4	30,100	44,900*	43.4	379.1	25,300	57,600*	46.6	387.9	20,500	71,400*	220
225	38.0	362.0	28,700	43,500*	41.7	373.5	24,000	55,700*	45.1	382.9	19,300	68,500*	225
230	36.1	355.3	27,300	42,100*	39.9	367.6	22,700	53,900*	43.4	377.7	18,200	65,700*	230
235	34.2	348.0	26,000	40,900*	38.1	361.3	21,500	52,200*	41.8	372.1	17,100	63,100*	235
240	32.1	340.2	24,700	39,700*	36.3	354.6	20,400	50,600*	40.0	366.2	16,000	60,600*	240
245	29.9	331.7	23,500	38,700*	34.3	347.4	19,200	49,000*	38.2	359.9	15,000	58,300*	245
250	27.5	322.3	22,300	37,700*	32.2	339.6	18,200	47,500*	36.4	353.2	14,000	56,000*	250
255	24.9	311.9	21,200	36,800*	30.0	331.1	17,100	46,100*	34.4	346.0	13,100	53,900*	255
260	22.0	300.0	20,100	36,100*	27.7	321.8	16,100	44,800*	32.3	338.3	12,100	51,800*	260
265	18.7	286.2	19,000	35,500*	25.1	311.5	15,100	43,600*	30.1	329.8	11,300	49,800*	265
270	14.7	268.9	17,900	35,100*	22.2	299.7	14,200	42,500*	27.8	320.6	10,400	47,900*	270
275	9.0	243.7	16,800	32,200*	19.0	286.0	13,200	41,600*	25.2	310.3	9,600	46,100*	275
280					15.0	269.0	12,300	38,900*	22.4	298.6	8,800	44,300*	280
285					9.4	244.7	11,400	34,300*	19.1	285.0	8,000	42,500*	285
290									15.2	268.3	7,200	40,700*	290
295									9.8	244.6	6,300	36,200*	295
300													300
305													305
310													310
315													315
320													320
325													325
330													330
335													335
340													340
345													345

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
with 98.4 ft Mast No. 59A  
332,000 lb Crane Counterweight  
120,000 lb Carbody Counterweight  
137,850 lb Hanging Counterweight  
at 49.2 ft Position  
360 Degree Rating



## 16000 MAX-ER

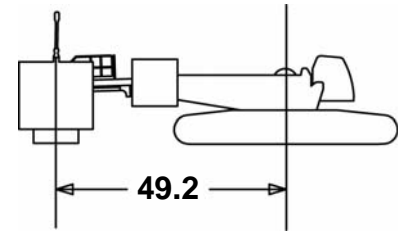
196.9 ft Boom, 255.9 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
140												140
145												145
150												150
155												155
160												160
165												165
170												170
175												175
180	62.4	425.2	22,700	74,000*								180
185	61.1	422.5	21,200	74,000*								185
190	59.8	419.6	19,800	74,000*								190
195	58.5	416.5	18,400	74,000*								195
200	57.2	413.3	17,100	74,000*								200
205	55.9	409.9	15,900	72,600								205
210	54.5	406.4	14,700	70,200								210
215	53.1	402.6	13,600	67,800	57.6	408.8	5,600	61,700				215
220	51.7	398.7	12,600	65,600	56.2	405.5	4,800	59,600				220
225	50.2	394.6	11,600	63,500	54.9	402.0	3,900	57,600				225
230	48.7	390.2	10,600	61,500	53.5	398.3	3,200	55,700				230
235	47.2	385.6	9,700	59,500	52.1	394.4	2,400	53,900				235
240	45.6	380.7	8,800	57,700	50.6	390.3	1,700	52,200				240
245	44.0	375.6	7,900	55,900	49.1	386.0		50,600				245
250	42.4	370.2	7,100	54,200	47.6	381.5		49,000	52.3	388.2	43,900	250
255	40.7	364.4	6,300	52,600	46.1	376.7		47,500	50.9	384.2	42,500	255
260	38.9	358.3	5,500	51,000	44.5	371.7		46,000	49.4	379.9	41,100	260
265	37.1	351.7	4,800	49,500	42.9	366.3		44,600	47.9	375.5	39,800	265
270	35.1	344.7	4,100	48,000	41.2	360.6		43,200	46.4	370.7	38,600	270
275	33.1	337.2	3,400	46,600	39.4	354.6		41,900	44.8	365.7	37,400*	275
280	31.0	329.0	2,700	45,300	37.6	348.2		40,700	43.2	360.4	36,100*	280
285	28.7	320.1	2,100	44,000	35.7	341.3		39,500	41.5	354.8	34,800*	285
290	26.2	310.2		42,700	33.7	334.0		38,300	39.7	348.9	33,600*	290
295	23.5	299.1		41,500	31.6	326.0		37,200	37.9	342.5	32,500*	295
300	20.4	286.3		40,300	29.3	317.3		36,100	36.0	335.7	31,300*	300
305	16.8	270.9		39,100	26.9	307.7		35,000	34.1	328.5	30,200*	305
310	12.1	250.6		37,900	24.3	297.0		34,000	32.0	320.6	29,200*	310
315	2.5	208.1		33,900*	21.3	284.7		32,900	29.7	312.0	28,100*	315
320					17.9	270.2		31,900	27.4	302.6	27,100*	320
325					13.6	251.7		31,000	24.8	292.1	26,100*	325
330					6.9	222.4		29,900*	21.9	280.2	25,200*	330
335									18.5	266.1	24,200*	335
340									14.4	248.6	23,300*	340
345									8.5	222.6	22,300*	345



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

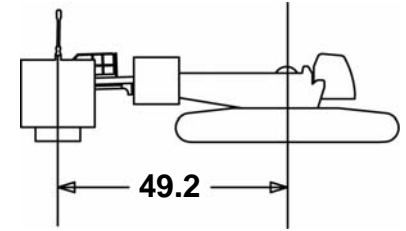
196.9 ft Boom, 275.6 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
150	62.8	450.4	59,000	66,200*	65.2	454.4	51,500	71,700*	67.6	457.3	44,000	69,200*	150
155	61.6	447.7	55,800	64,400*	64.1	452.0	48,600	71,400*	66.4	455.1	41,400	69,100*	155
160	60.4	444.9	52,900	62,600*	62.9	449.4	45,900	71,100*	65.3	452.9	39,000	69,000*	160
165	59.2	441.9	50,200	60,800*	61.7	446.7	43,400	70,700*	64.1	450.4	36,700	68,900*	165
170	58.0	438.8	47,600	59,100*	60.5	443.9	41,100	70,400*	63.0	447.9	34,600	68,700*	170
175	56.8	435.5	45,200	57,300*	59.3	441.0	38,900	70,000*	61.8	445.2	32,500	68,500*	175
180	55.5	432.1	42,900	55,600*	58.1	437.9	36,800	69,100*	60.6	442.4	30,600	68,400*	180
185	54.2	428.5	40,800	53,800*	56.9	434.6	34,800	67,400*	59.4	439.4	28,900	68,200*	185
190	52.9	424.8	38,700	52,200*	55.6	431.2	32,900	65,600*	58.2	436.3	27,200	67,900*	190
195	51.6	420.8	36,800	50,600*	54.3	427.6	31,200	63,900*	56.9	433.1	25,600	67,700*	195
200	50.3	416.7	35,000	49,000*	53.0	423.9	29,500	62,100*	55.7	429.7	24,000	67,500*	200
205	48.9	412.4	33,300	47,400*	51.7	419.9	27,900	60,400*	54.4	426.1	22,600	67,300*	205
210	47.5	407.8	31,600	46,000*	50.3	415.8	26,400	58,600*	53.1	422.4	21,200	67,000*	210
215	46.0	403.0	30,000	44,500*	49.0	411.5	25,000	56,900*	51.8	418.5	19,900	66,800*	215
220	44.6	398.0	28,500	43,200*	47.6	407.0	23,600	55,200*	50.4	414.3	18,700	66,600*	220
225	43.0	392.6	27,100	41,900*	46.1	402.2	22,300	53,600*	49.0	410.0	17,500	66,400*	225
230	41.5	387.0	25,700	40,600*	44.7	397.1	21,000	52,000*	47.6	405.5	16,300	64,200*	230
235	39.9	381.1	24,400	39,400*	43.1	391.9	19,800	50,500*	46.2	400.7	15,200	61,600*	235
240	38.2	374.8	23,200	38,300*	41.6	386.3	18,700	49,000*	44.7	395.7	14,200	59,100*	240
245	36.5	368.1	22,000	37,100*	40.0	380.4	17,600	47,500*	43.2	390.4	13,200	56,800*	245
250	34.7	361.0	20,800	36,100*	38.3	374.1	16,500	46,100*	41.7	384.9	12,200	54,500*	250
255	32.7	353.4	19,700	35,200*	36.6	367.4	15,500	44,800*	40.1	379.0	11,300	52,400*	255
260	30.7	345.1	18,600	34,300*	34.8	360.3	14,500	43,500*	38.4	372.7	10,400	50,300*	260
265	28.6	336.1	17,500	33,500*	32.9	352.7	13,500	42,300*	36.7	366.1	9,500	48,400*	265
270	26.3	326.3	16,500	32,700*	30.9	344.5	12,600	41,100*	34.9	359.0	8,700	46,500*	270
275	23.8	315.3	15,600	32,100*	28.8	335.6	11,700	40,100*	33.0	351.4	7,900	44,700*	275
280	21.0	302.9	14,600	31,500*	26.5	325.8	10,900	39,100*	31.0	343.2	7,100	43,000*	280
285	17.8	288.2	13,600	31,100*	24.0	314.9	10,000	37,800*	28.9	334.4	6,300	41,300*	285
290	13.9	270.0	12,700	29,700*	21.2	302.6	9,200	36,300*	26.6	324.6	5,600	39,600*	290
295	8.1	242.9	11,700	25,400*	18.0	288.1	8,400	34,800*	24.1	313.8	4,900	38,000*	295
300					14.1	270.1	7,600	31,500*	21.4	301.5	4,200	36,500*	300
305					8.6	244.1	6,700	27,300*	18.2	287.2	3,500	35,000*	305
310									14.4	269.5	2,800	33,100*	310
315									9.0	244.1	2,000	29,100*	315
320													320
325													325
330													330
335													335
340													340
345													345
350													350
355													355
360													360
365													365



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



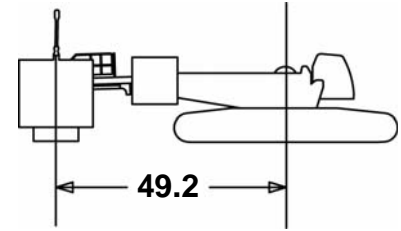
## 16000 MAX-ER

196.9 ft Boom, 275.6 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
150												150
155												155
160												160
165												165
170												170
175												175
180												180
185												185
190	62.2	442.2	17,600	62,600*								190
195	61.0	439.4	16,300	62,600*								195
200	59.8	436.5	15,000	62,600*								200
205	58.6	433.5	13,800	62,600*								205
210	57.4	430.3	12,700	62,600*								210
215	56.1	427.0	11,600	62,600*								215
220	54.9	423.5	10,500	62,600*								220
225	53.6	419.8	9,500	61,900	57.7	425.8	1,700	55,900				225
230	52.2	415.9	8,600	59,800	56.5	422.5		54,000				230
235	50.9	411.9	7,700	57,900	55.2	419.0		52,200				235
240	49.5	407.6	6,800	56,100	53.9	415.4		50,500				240
245	48.2	403.2	5,900	54,300	52.6	411.6		48,800				245
250	46.7	398.5	5,100	52,600	51.3	407.6		47,300				250
255	45.3	393.6	4,400	51,000	49.9	403.4		45,800				255
260	43.8	388.4	3,600	49,400	48.6	399.0		44,300	52.9	405.4	39,100*	260
265	42.2	382.9	2,900	47,900	47.1	394.4		42,900	51.5	401.5	37,600*	265
270	40.7	377.2	2,200	46,500	45.7	389.6		41,600	50.2	397.3	36,300*	270
275	39.0	371.1	1,500	45,100	44.2	384.5		40,300	48.8	393.0	35,000*	275
280	37.3	364.6		43,800	42.7	379.1		39,000	47.4	388.4	33,700*	280
285	35.5	357.7		42,500	41.1	373.4		37,800	46.0	383.6	32,500*	285
290	33.7	350.3		41,200	39.5	367.4		36,700	44.5	378.5	31,300*	290
295	31.7	342.3		40,000	37.8	361.0		35,600	43.0	373.2	30,100*	295
300	29.7	333.7		38,800	36.0	354.2		34,500	41.4	367.6	29,000*	300
305	27.4	324.3		37,700	34.2	347.0		33,400	39.8	361.6	27,900*	305
310	25.0	313.9		36,600	32.3	339.2		32,300*	38.1	355.3	26,900*	310
315	22.4	302.2		35,500	30.3	330.8		31,200*	36.4	348.6	25,900*	315
320	19.4	288.8		34,500	28.1	321.6		30,100*	34.5	341.4	24,900*	320
325	15.9	272.5		33,500	25.7	311.5		29,100*	32.6	333.7	24,000*	325
330	11.3	250.9		32,400	23.2	300.3		28,100*	30.6	325.5	23,000*	330
335					20.3	287.4		27,000*	28.5	316.5	22,100*	335
340					17.0	272.1		26,100*	26.2	306.5	21,200*	340
345					12.8	252.5		25,100*	23.7	295.5	20,400*	345
350					6.0	220.4		24,000*	20.9	283.0	19,500*	350
355									17.6	268.2	18,700*	355
360									13.6	249.6	17,800*	360
365									7.7	221.6	16,900*	365

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
with 98.4 ft Mast No. 59A  
332,000 lb Crane Counterweight  
120,000 lb Carbody Counterweight  
137,850 lb Hanging Counterweight  
at 49.2 ft Position  
360 Degree Rating



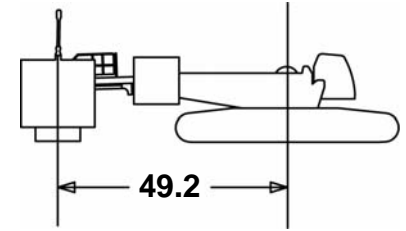
## 16000 MAX-ER

216.5 ft Boom, 78.7 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
55	68.1	298.1	253,700	287,000*c									55
60	64.0	295.7	227,700	269,100*b									60
65	59.8	292.9	206,100	249,500*b	69.1	297.5	189,400	293,900*c					65
70	55.4	289.5	188,000	233,100*b	65.1	295.2	172,700	284,800*b					70
75	50.8	285.4	172,600	219,500*	61.0	292.4	158,500	276,500*b					75
80	45.7	280.7	159,200	208,100*	56.6	289.2	146,200	263,600*b	66.2	294.0	133,100	281,000c	80
85	40.2	274.9	147,500	198,800*	52.1	285.3	135,500	246,800*	62.0	291.3	123,300	260,700b	85
90	33.9	267.8	137,100	191,600*	47.1	280.8	126,000	232,900*	57.8	288.2	114,600	243,000b	90
95	26.2	258.5	127,800	183,700*	41.8	275.3	117,600	221,400*	53.2	284.5	107,000	227,500b	95
100	14.7	243.6	119,200	179,100*	35.7	268.7	110,000	212,200*	48.4	280.2	100,100	213,600	100
105					28.5	260.1	103,100	200,800*	43.2	275.0	93,900	201,300	105
110					18.6	247.5	96,700	185,900*	37.3	268.7	88,200	190,100	110
115									30.4	260.6	83,000	180,000	115
120									21.5	249.5	78,100	170,700	120
125													125
130													130
135													135
140													140
145													145
150													150
155													155
160													160
165													165
170													170
175													175

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

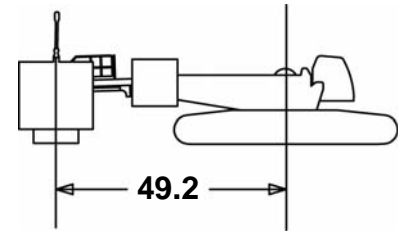
216.5 ft Boom, 78.7 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
55													55
60													60
65													65
70													70
75													75
80													80
85													85
90													90
95													95
100													100
105	60.8	286.1	78,000	188,800 <sup>b</sup>									105
110	56.4	282.8	73,300	178,400 <sup>b</sup>									110
115	51.8	278.9	68,900	169,000 <sup>b</sup>									115
120	46.9	274.4	65,000	160,400									120
125	41.5	268.9	61,300	152,600									125
130	35.4	262.1	57,900	145,400	54.7	275.4	45,700	135,900 <sup>b</sup>					130
135	28.1	253.4	54,600	138,700	50.0	271.3	43,100	129,800					135
140	18.0	240.5	51,500	132,400	44.9	266.4	40,700	124,100					140
145					39.2	260.5	38,400	118,800					145
150					32.8	253.1	36,300	113,800	52.4	265.9	26,100	106,000 <sup>b</sup>	150
155					24.7	243.2	34,100	109,100	47.5	261.4	24,600	101,700	155
160					11.7	226.1	31,900	104,600	42.1	256.0	23,000	97,700	160
165									36.1	249.4	21,600	94,000	165
170									29.0	241.0	20,200	90,400	170
175									19.4	228.8	18,700	86,900	175



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



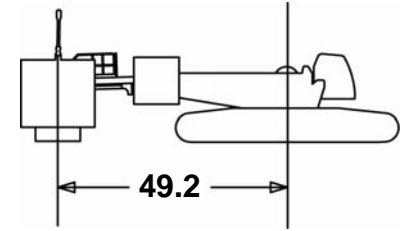
**16000 MAX-ER**

216.5 ft Boom, 98.4 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
65	66.4	315.2	206,000	240,000*b									65
70	63.1	312.7	187,800	227,200*b	70.4	316.7	171,900	261,700*b					70
75	59.8	309.8	172,400	213,200*	67.2	314.6	157,700	254,400*b					75
80	56.3	306.5	159,000	201,000*	64.0	312.2	145,500	247,300*b					80
85	52.6	302.7	147,400	190,100*	60.7	309.4	134,800	240,400*b					85
90	48.8	298.4	137,200	178,900*	57.2	306.2	125,400	228,000*	64.8	311.0	113,600	241,900b	90
95	44.7	293.4	128,100	168,600*	53.6	302.5	117,100	215,600*	61.5	308.3	105,900	226,400b	95
100	40.2	287.7	120,000	159,200*	49.8	298.4	109,600	203,600*	58.1	305.2	99,100	212,700	100
105	35.3	280.9	112,700	150,900*	45.8	293.6	102,900	192,200*	54.6	301.7	93,000	200,400	105
110	29.7	272.5	106,000	143,800*	41.5	288.1	96,800	181,500*	50.8	297.6	87,500	189,400	110
115	22.7	261.6	99,800	138,400*	36.7	281.6	91,300	171,600*	46.9	293.0	82,500	179,400	115
120	12.0	244.0	93,900	136,200*	31.3	273.7	86,200	163,000*	42.6	287.7	77,800	170,300	120
125					24.8	263.7	81,400	155,700*	38.0	281.5	73,600	162,000	125
130					15.7	248.9	76,900	150,600*	32.7	274.0	69,600	154,400	130
135									26.6	264.7	65,900	147,300	135
140									18.4	251.6	62,400	140,800	140
145													145
150													150
155													155
160													160
165													165
170													170
175													175
180													180
185													185
190													190
195													195

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

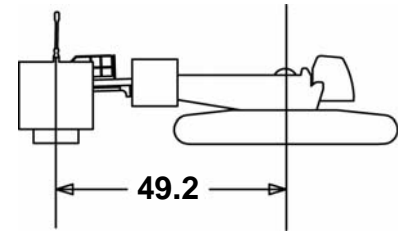
### 216.5 ft Boom, 98.4 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
65													65
70													70
75													75
80													80
85													85
90													90
95													95
100													100
105													105
110													110
115	60.5	303.0	67,600	167,800 <sup>b</sup>									115
120	57.1	299.8	63,700	159,300									120
125	53.5	296.1	60,200	151,600									125
130	49.7	292.0	56,900	144,500									130
135	45.6	287.2	53,800	137,900									135
140	41.3	281.6	51,000	131,900	55.7	292.5	39,300	122,800					140
145	36.5	275.0	48,300	126,300	52.0	288.6	37,100	117,600					145
150	31.0	267.1	45,800	121,100	48.1	284.2	35,100	112,800					150
155	24.4	257.0	43,400	116,100	44.0	279.1	33,200	108,300					155
160	15.1	241.8	40,900	111,400	39.5	273.2	31,400	104,000					160
165					34.5	266.2	29,600	100,000	50.1	279.0	20,200	92,800	165
170					28.6	257.6	28,000	96,300	46.1	274.2	18,900	89,300	170
175					21.3	246.1	26,300	92,700	41.8	268.7	17,700	86,100	175
180					9.0	225.5	24,500	89,100	37.0	262.3	16,500	83,000	180
185									31.7	254.6	15,400	80,000	185
190									25.2	244.7	14,300	77,200	190
195									16.4	230.5	13,100	74,500	195



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



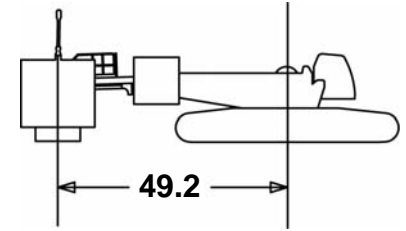
**16000 MAX-ER**

216.5 ft Boom, 118.1 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
75	65.2	332.2	171,400	197,800*									75
80	62.5	329.7	158,000	187,800*	68.6	333.9	144,000	228,600*b					80
85	59.7	326.8	146,400	177,800*	66.0	331.6	133,300	220,500*b					85
90	56.8	323.5	136,200	168,200*	63.3	329.1	123,900	211,400*					90
95	53.8	319.9	127,200	158,900*	60.5	326.3	115,600	201,900*	66.6	330.4	104,100	224,800b	95
100	50.7	315.8	119,100	150,100*	57.6	323.2	108,200	192,100*	64.0	328.0	97,300	211,100	100
105	47.4	311.3	111,800	141,900*	54.6	319.6	101,600	182,400*	61.2	325.2	91,300	198,900	105
110	44.0	306.2	105,300	134,300*	51.6	315.7	95,600	173,000*	58.3	322.2	85,800	187,900	110
115	40.3	300.4	99,300	127,400*	48.3	311.3	90,100	163,800*	55.4	318.7	80,800	177,900	115
120	36.2	293.8	93,800	121,100*	44.9	306.4	85,100	155,200*	52.4	314.9	76,300	168,900	120
125	31.7	286.0	88,800	115,600*	41.3	300.8	80,500	147,100*	49.2	310.6	72,100	160,700	125
130	26.6	276.6	84,100	110,900*	37.3	294.4	76,200	139,500*	45.8	305.9	68,200	153,200	130
135	20.1	264.2	79,700	107,500*	33.0	287.0	72,300	132,700*	42.2	300.5	64,700	146,200	135
140	9.9	243.7	75,400	106,600*	28.0	278.1	68,600	126,700*	38.4	294.3	61,400	139,800	140
145					22.0	266.7	65,100	121,800*	34.2	287.1	58,300	133,900	145
150					13.5	249.8	61,700	118,600*	29.4	278.7	55,300	128,300	150
155									23.7	268.1	52,600	123,200	155
160									16.1	253.2	49,900	118,200	160
165													165
170													170
175													175
180													180
185													185
190													190
195													195
200													200
205													205
210													210
215													215

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

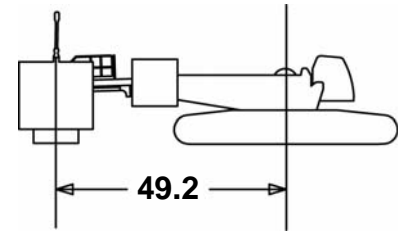
216.5 ft Boom, 118.1 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
75													75
80													80
85													85
90													90
95													95
100													100
105													105
110													110
115													115
120													120
125	60.3	320.0	58,100	149,800									125
130	57.5	316.8	54,800	142,800									130
135	54.5	313.3	51,900	136,300									135
140	51.4	309.3	49,100	130,300									140
145	48.2	304.9	46,500	124,800									145
150	44.8	300.0	44,100	119,600	56.3	309.5	32,800	111,000					150
155	41.1	294.3	41,800	114,800	53.3	305.8	31,000	106,500					155
160	37.2	287.9	39,700	110,400	50.2	301.7	29,300	102,300					160
165	32.8	280.4	37,700	106,100	46.9	297.1	27,700	98,400					165
170	27.8	271.4	35,700	102,200	43.4	291.9	26,100	94,800					170
175	21.7	259.9	33,900	98,400	39.6	286.0	24,700	91,300	51.8	296.3	15,400	84,200	175
180	13.0	242.6	32,000	94,800	35.5	279.2	23,300	88,000	48.5	291.9	14,300	81,200	180
185					31.0	271.2	21,900	84,900	45.1	287.0	13,300	78,300	185
190					25.6	261.4	20,600	82,000	41.5	281.5	12,300	75,600	190
195					18.8	248.3	19,300	79,200	37.6	275.2	11,400	73,100	195
200					6.6	223.7	17,800	76,300	33.3	267.8	10,400	70,600	200
205									28.4	259.0	9,500	68,300	205
210									22.5	247.9	8,600	66,000	210
215									14.2	231.6	7,700	63,800	215



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

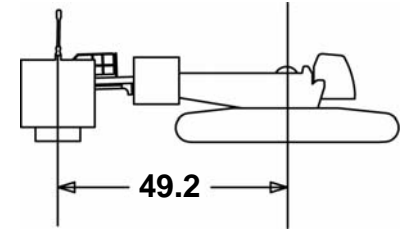
216.5 ft Boom, 137.8 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
85	64.4	349.3	145,600	165,600*	69.6	353.1	132,200	198,900*					85
90	62.1	346.6	135,400	157,800*	67.3	351.0	122,800	193,300*					90
95	59.7	343.7	126,300	150,000*	65.1	348.7	114,500	186,500*					95
100	57.2	340.5	118,200	142,400*	62.7	346.1	107,100	179,400*	67.9	349.7	95,900	194,300*	100
105	54.7	337.0	111,000	135,200*	60.3	343.3	100,400	171,800*	65.6	347.5	89,900	194,300*	105
110	52.0	333.1	104,500	128,200*	57.9	340.1	94,400	164,200*	63.3	344.9	84,400	186,600	110
115	49.3	328.9	98,500	121,600*	55.4	336.7	89,000	156,500*	60.9	342.2	79,500	176,700	115
120	46.5	324.2	93,100	115,500*	52.8	333.0	84,000	149,000*	58.5	339.1	74,900	167,700	120
125	43.5	319.0	88,100	109,800*	50.1	328.8	79,500	141,700*	56.0	335.8	70,800	159,600	125
130	40.3	313.2	83,500	104,500*	47.2	324.2	75,300	134,700*	53.4	332.1	67,000	152,100	130
135	36.9	306.6	79,300	99,600*	44.3	319.2	71,400	128,100*	50.7	328.0	63,500	145,200	135
140	33.1	299.2	75,400	95,300*	41.2	313.5	67,800	121,700*	48.0	323.6	60,200	138,800	140
145	29.0	290.5	71,700	91,500*	37.8	307.2	64,500	115,900*	45.0	318.7	57,200	132,900	145
150	24.1	280.0	68,200	88,400*	34.2	300.1	61,300	110,500*	42.0	313.2	54,300	127,400	150
155	18.1	266.3	64,900	86,200*	30.1	291.8	58,400	105,700*	38.7	307.1	51,700	122,300	155
160	8.0	242.7	61,600	86,000*	25.5	281.9	55,600	101,500*	35.1	300.1	49,200	117,600	160
165					19.9	269.2	52,900	98,000*	31.2	292.2	46,800	113,100	165
170					11.7	250.2	50,300	95,900*	26.8	282.7	44,600	108,900	170
175									21.5	271.0	42,400	104,900	175
180									14.2	254.4	40,300	101,100	180
185													185
190													190
195													195
200													200
205													205
210													210
215													215
220													220
225													225
230													230
235													235



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

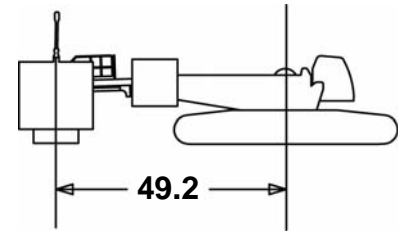
216.5 ft Boom, 137.8 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
85													85
90													90
95													95
100													100
105													105
110													110
115													115
120													120
125													125
130	62.6	339.8	53,200	141,400									130
135	60.2	336.9	50,300	135,000									135
140	57.8	333.8	47,500	129,000									140
145	55.2	330.4	45,000	123,500									145
150	52.6	326.6	42,600	118,400									150
155	49.9	322.4	40,400	113,600									155
160	47.1	317.8	38,400	109,200	56.8	326.5	27,600	100,900					160
165	44.1	312.7	36,400	105,000	54.2	323.0	26,000	97,100					165
170	41.0	307.1	34,600	101,100	51.6	319.0	24,500	93,400					170
175	37.7	300.7	32,800	97,500	48.9	314.7	23,100	90,000					175
180	34.0	293.5	31,100	94,000	46.0	309.9	21,800	86,800					180
185	30.0	285.2	29,500	90,700	43.0	304.6	20,500	83,800	52.9	313.5	11,600	76,900	185
190	25.3	275.2	28,000	87,600	39.7	298.7	19,300	80,900	50.2	309.4	10,600	74,300	190
195	19.6	262.4	26,500	84,600	36.3	292.1	18,100	78,200	47.4	304.8	9,700	71,700	195
200	11.2	242.8	24,900	81,700	32.5	284.5	17,000	75,600	44.5	299.8	8,900	69,300	200
205					28.2	275.6	15,900	73,100	41.4	294.2	8,100	67,100	205
210					23.3	264.7	14,900	70,700	38.0	288.0	7,300	64,900	210
215					16.9	250.1	13,800	68,400	34.4	280.9	6,500	62,800	215
220					4.2	220.1	12,500	66,000	30.4	272.6	5,700	60,800	220
225									25.8	262.9	5,000	58,900	225
230									20.3	250.5	4,200	57,100	230
235									12.4	232.1	3,400	55,200	235



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



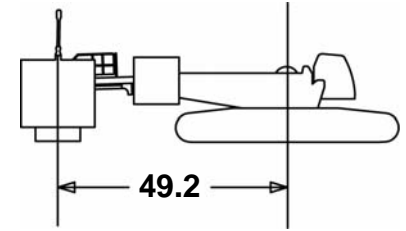
**16000 MAX-ER**

216.5 ft Boom, 157.5 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
95	63.8	366.3	125,000	140,000*	68.4	370.3	112,800	169,400*					95
100	61.8	363.6	116,900	133,800*	66.4	368.1	105,400	164,500*					100
105	59.6	360.7	109,700	127,700*	64.4	365.7	98,800	159,000*					105
110	57.5	357.5	103,100	121,700*	62.3	363.1	92,800	153,300*	66.9	366.8	82,500	166,000*	110
115	55.3	354.0	97,200	115,900*	60.2	360.2	87,400	147,400*	64.9	364.5	77,500	166,000*	115
120	53.0	350.3	91,800	110,400*	58.1	357.1	82,400	141,300*	62.8	361.9	73,000	166,000*	120
125	50.7	346.2	86,800	105,100*	55.9	353.8	77,900	135,200*	60.8	359.1	68,900	158,000	125
130	48.2	341.8	82,300	100,100*	53.6	350.1	73,700	129,300*	58.6	356.1	65,100	150,500	130
135	45.7	337.0	78,100	95,400*	51.3	346.1	69,900	123,400*	56.4	352.8	61,700	143,600	135
140	43.1	331.7	74,200	91,100*	48.9	341.8	66,300	117,700*	54.2	349.2	58,400	137,300	140
145	40.3	325.9	70,600	87,000*	46.4	337.1	63,000	112,300*	51.9	345.3	55,400	131,400	145
150	37.3	319.5	67,200	83,200*	43.8	332.0	59,900	107,100*	49.5	341.1	52,600	126,000	150
155	34.1	312.3	64,000	79,800*	41.1	326.3	57,000	102,200*	47.1	336.5	50,000	120,900	155
160	30.6	304.1	61,000	76,800*	38.1	320.0	54,300	97,600*	44.5	331.5	47,600	116,200	160
165	26.7	294.6	58,200	74,100*	35.0	313.1	51,800	93,300*	41.8	325.9	45,300	111,800	165
170	22.2	283.1	55,500	71,900*	31.6	305.2	49,400	89,500*	38.9	319.9	43,100	107,600	170
175	16.4	268.0	53,000	70,500*	27.8	296.1	47,100	86,000*	35.8	313.1	41,000	103,700	175
180	6.3	240.8	50,300	70,500*	23.5	285.2	44,900	82,900*	32.5	305.4	39,100	100,000	180
185					18.1	271.4	42,800	80,500*	28.8	296.7	37,200	96,500	185
190					10.2	250.1	40,700	79,100*	24.7	286.3	35,500	93,200	190
195									19.6	273.5	33,700	90,100	195
200									12.7	255.1	32,000	87,000	200
205													205
210													210
215													215
220													220
225													225
230													230
235													235
240													240
245													245
250													250
255													255

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

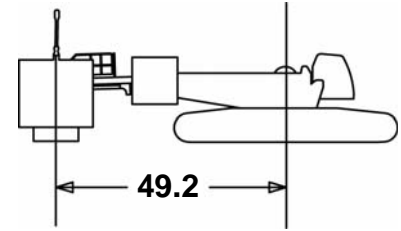
216.5 ft Boom, 157.5 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
95													95
100													100
105													105
110													110
115													115
120													120
125													125
130													130
135													135
140	62.2	356.7	45,400	127,200									140
145	60.1	353.9	42,900	121,800									145
150	58.0	350.8	40,500	116,700									150
155	55.8	347.4	38,400	112,000									155
160	53.5	343.7	36,300	107,500									160
165	51.2	339.7	34,400	103,400									165
170	48.8	335.4	32,600	99,500	57.1	343.5	22,200	91,600					170
175	46.3	330.7	30,900	95,900	54.9	340.0	20,900	88,200					175
180	43.7	325.5	29,300	92,500	52.6	336.2	19,600	85,000					180
185	40.9	319.8	27,800	89,300	50.3	332.1	18,300	82,000					185
190	38.0	313.5	26,300	86,200	47.8	327.6	17,200	79,200					190
195	34.9	306.5	24,900	83,300	45.3	322.8	16,100	76,500					195
200	31.5	298.6	23,600	80,500	42.6	317.4	15,000	73,900	51.5	326.7	6,500	67,500	200
205	27.7	289.4	22,300	77,900	39.8	311.5	14,000	71,500	49.1	322.4	5,800	65,200	205
210	23.3	278.5	21,100	75,400	36.8	305.0	13,000	69,200	46.6	317.7	5,000	63,100	210
215	17.9	264.5	19,800	73,000	33.6	297.6	12,100	67,000	44.0	312.6	4,300	61,100	215
220	9.7	242.5	18,500	70,600	30.0	289.2	11,200	64,900	41.2	307.0	3,600	59,100	220
225					26.1	279.5	10,300	62,900	38.3	300.8	3,000	57,300	225
230					21.3	267.6	9,400	60,900	35.2	293.8	2,300	55,500	230
235					15.2	251.6	8,500	59,000	31.8	286.0	1,700	53,800	235
240									28.1	277.0		52,200	240
245									23.8	266.3		50,600	245
250									18.5	252.7		49,000	250
255									10.9	232.3		47,400	255



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



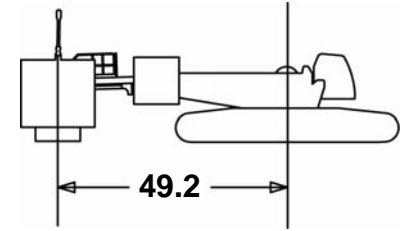
**16000 MAX-ER**

216.5 ft Boom, 177.2 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
110	61.5	380.5	102,000	114,700*	65.6	385.1	91,500	141,100*					110
115	59.6	377.6	96,100	109,900*	63.8	382.7	86,000	136,700*	67.9	386.1	76,000	141,100*	115
120	57.7	374.5	90,600	105,100*	62.0	380.0	81,100	132,200*	66.1	383.9	71,500	141,100*	120
125	55.8	371.1	85,700	100,500*	60.1	377.2	76,500	127,500*	64.3	381.5	67,400	141,100*	125
130	53.8	367.5	81,100	96,000*	58.2	374.1	72,400	122,700*	62.5	378.9	63,600	141,100*	130
135	51.7	363.5	76,900	91,800*	56.3	370.8	68,600	117,900*	60.6	376.1	60,200	141,100*	135
140	49.6	359.3	73,100	87,700*	54.3	367.2	65,000	113,100*	58.7	373.1	57,000	136,000	140
145	47.4	354.7	69,500	83,800*	52.3	363.4	61,700	108,300*	56.8	369.8	54,000	130,200	145
150	45.1	349.8	66,100	80,200*	50.2	359.2	58,700	103,800*	54.8	366.3	51,200	124,800	150
155	42.8	344.5	63,000	76,800*	48.0	354.8	55,800	99,300*	52.8	362.5	48,600	119,700	155
160	40.3	338.7	60,000	73,600*	45.8	349.9	53,100	95,000*	50.7	358.5	46,200	115,000	160
165	37.7	332.3	57,300	70,700*	43.4	344.7	50,600	91,000*	48.6	354.1	43,900	110,600	165
170	34.9	325.3	54,700	67,900*	41.0	339.0	48,200	87,100*	46.3	349.4	41,800	106,500	170
175	31.9	317.4	52,200	65,500*	38.4	332.8	46,000	83,500*	44.0	344.2	39,700	102,600	175
180	28.6	308.6	49,900	63,300*	35.7	326.0	43,900	80,000*	41.6	338.7	37,800	98,900	180
185	24.9	298.3	47,700	61,300*	32.7	318.4	41,900	76,800*	39.1	332.6	36,000	95,500	185
190	20.5	285.8	45,500	59,800*	29.5	309.8	40,000	74,000*	36.4	326.0	34,300	92,200	190
195	15.0	269.4	43,500	58,900*	25.9	300.0	38,100	71,400*	33.5	318.6	32,700	89,100	195
200	4.6	237.6	41,200	58,900*	21.8	288.2	36,400	69,200*	30.3	310.3	31,100	86,200	200
205					16.7	273.2	34,700	67,400*	26.9	300.8	29,600	83,300*	205
210					8.8	249.5	32,900	66,600*	22.9	289.6	28,100	80,300*	210
215									18.1	275.6	26,700	77,700*	215
220									11.4	255.4	25,300	73,800*	220
225													225
230													230
235													235
240													240
245													245
250													250
255													255
260													260
265													265
270													270
275													275

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
with 98.4 ft Mast No. 59A  
332,000 lb Crane Counterweight  
120,000 lb Carbody Counterweight  
137,850 lb Hanging Counterweight  
at 49.2 ft Position  
360 Degree Rating



## 16000 MAX-ER

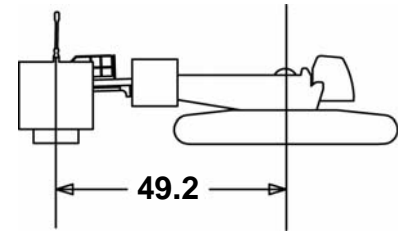
216.5 ft Boom, 177.2 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
110													110
115													115
120													120
125													125
130													130
135													135
140													140
145													145
150	61.9	373.7	38,800	115,300									150
155	60.1	370.8	36,700	110,600									155
160	58.2	367.7	34,700	106,200									160
165	56.2	364.4	32,800	102,100									165
170	54.2	360.8	31,000	98,200									170
175	52.2	357.0	29,300	94,600									175
180	50.1	352.8	27,700	91,200	57.4	360.5	17,800	83,600					180
185	47.9	348.4	26,200	88,000	55.4	357.1	16,600	80,600					185
190	45.7	343.5	24,800	85,000	53.4	353.4	15,500	77,800					190
195	43.3	338.3	23,500	82,100	51.4	349.4	14,400	75,100					195
200	40.9	332.6	22,200	79,400	49.2	345.2	13,300	72,600					200
205	38.3	326.3	21,000	76,800	47.0	340.5	12,400	70,200					205
210	35.5	319.5	19,800	74,300	44.8	335.6	11,400	67,900	52.4	343.9	3,200	61,600	210
215	32.6	311.8	18,600	72,000	42.4	330.1	10,500	65,700	50.3	339.8	2,500	59,600	215
220	29.4	303.2	17,600	69,700	39.9	324.2	9,700	63,700	48.1	335.4	1,900	57,700	220
225	25.8	293.3	16,500	67,500	37.2	317.8	8,800	61,700	45.9	330.6		55,900	225
230	21.6	281.4	15,500	65,500	34.4	310.6	8,000	59,800	43.6	325.4		54,100	230
235	16.4	266.2	14,400	63,500	31.4	302.7	7,200	58,000	41.1	319.7		52,500	235
240	8.3	241.6	13,300	61,500	28.0	293.6	6,500	56,200	38.6	313.5		50,900	240
245					24.2	283.0	5,700	54,500	35.8	306.7		49,300	245
250					19.8	270.1	5,000	52,900	32.9	299.2		47,800	250
255					13.9	252.6	4,200	51,300	29.7	290.7		46,400	255
260									26.2	280.9		45,000	260
265									22.1	269.3		43,700	265
270									17.0	254.6		42,300	270
275									9.5	231.9		41,000	275



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



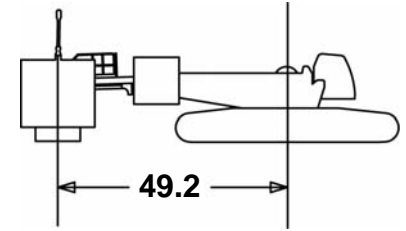
**16000 MAX-ER**

216.5 ft Boom, 196.9 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
125	59.6	394.6	84,200	95,300*	63.4	399.7	74,800	118,200*	67.0	403.2	65,500	120,100*	125
130	57.9	391.5	79,700	91,500*	61.7	397.0	70,700	114,600*	65.4	400.9	61,700	120,100*	130
135	56.1	388.1	75,500	87,800*	60.1	394.1	66,900	111,000*	63.8	398.5	58,200	120,100*	135
140	54.4	384.5	71,600	84,200*	58.4	391.1	63,300	107,200*	62.2	395.9	55,000	120,100*	140
145	52.5	380.7	68,000	80,700*	56.6	387.8	60,000	103,300*	60.5	393.0	52,100	120,100*	145
150	50.7	376.7	64,700	77,400*	54.8	384.3	57,000	99,500*	58.8	390.0	49,300	120,100*	150
155	48.7	372.3	61,500	74,200*	53.0	380.5	54,100	95,700*	57.1	386.8	46,700	117,900*	155
160	46.7	367.6	58,600	71,200*	51.2	376.5	51,500	92,000*	55.3	383.4	44,300	113,500	160
165	44.7	362.6	55,900	68,400*	49.2	372.3	49,000	88,400*	53.5	379.7	42,100	109,100	165
170	42.5	357.2	53,300	65,700*	47.3	367.7	46,600	84,900*	51.6	375.7	40,000	105,000	170
175	40.3	351.4	50,900	63,100*	45.2	362.8	44,400	81,500*	49.7	371.5	38,000	101,100	175
180	38.0	345.1	48,600	60,800*	43.1	357.5	42,300	78,200*	47.8	367.0	36,100	97,500	180
185	35.5	338.2	46,400	58,600*	40.9	351.8	40,400	75,100*	45.8	362.2	34,300	94,100	185
190	32.8	330.6	44,400	56,600*	38.6	345.6	38,500	72,200*	43.7	357.0	32,600	90,800	190
195	30.0	322.2	42,400	54,700*	36.2	338.9	36,700	69,400*	41.5	351.4	31,000	87,800	195
200	26.8	312.6	40,500	53,100*	33.6	331.5	35,000	66,800*	39.2	345.4	29,500	84,800	200
205	23.3	301.6	38,700	51,700*	30.8	323.3	33,400	64,500*	36.8	338.8	28,000	82,000*	205
210	19.1	288.2	37,000	50,700*	27.7	314.1	31,800	62,300*	34.2	331.6	26,600	78,900*	210
215	13.8	270.4	35,300	50,100*	24.3	303.5	30,300	60,400*	31.5	323.6	25,300	76,000*	215
220	2.1	230.8	33,300	49,800*	20.4	290.9	28,900	58,700*	28.5	314.7	24,000	73,200*	220
225					15.4	274.6	27,400	57,400*	25.2	304.5	22,700	70,600*	225
230					7.6	248.3	26,000	56,900*	21.4	292.5	21,500	68,300*	230
235									16.8	277.4	20,300	66,400*	235
240									10.2	255.3	19,100	61,600*	240
245													245
250													250
255													255
260													260
265													265
270													270
275													275
280													280
285													285
290													290
295													295

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

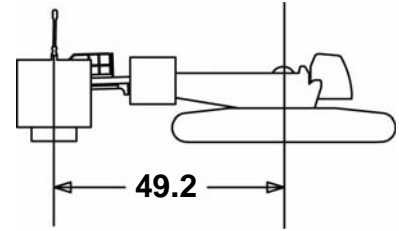
216.5 ft Boom, 196.9 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
125												125
130												130
135												135
140												140
145												145
150												150
155												155
160	61.7	390.7	32,500	104,400								160
165	60.0	387.8	30,700	100,300								165
170	58.3	384.7	28,900	96,500								170
175	56.5	381.4	27,200	92,900								175
180	54.8	377.9	25,700	89,500								180
185	52.9	374.2	24,200	86,300								185
190	51.1	370.1	22,800	83,300	57.6	377.5	13,200	76,000				190
195	49.2	365.9	21,500	80,500	55.9	374.1	12,100	73,300				195
200	47.2	361.3	20,200	77,800	54.1	370.5	11,100	70,800				200
205	45.1	356.3	19,000	75,200	52.2	366.7	10,200	68,400				205
210	43.0	351.0	17,900	72,800	50.3	362.5	9,300	66,200				210
215	40.8	345.3	16,800	70,400	48.4	358.1	8,400	64,000				215
220	38.5	339.1	15,700	68,200	46.4	353.4	7,600	62,000				220
225	36.0	332.4	14,700	66,100	44.3	348.4	6,800	60,000	51.3	357.1	54,000	225
230	33.4	325.0	13,800	64,100	42.2	342.9	6,000	58,100	49.4	352.8	52,300	230
235	30.6	316.7	12,800	62,100	39.9	337.0	5,200	56,400	47.4	348.3	50,700	235
240	27.6	307.5	11,900	60,300	37.6	330.6	4,500	54,600	45.4	343.4	49,100	240
245	24.1	296.8	11,000	58,500	35.1	323.6	3,800	53,000	43.3	338.1	47,600	245
250	20.2	284.0	10,100	56,700	32.4	315.9	3,200	51,400	41.1	332.5	46,100	250
255	15.2	267.6	9,300	55,000	29.5	307.3	2,500	49,900	38.7	326.3	44,700	255
260	7.0	240.2	8,300	53,300	26.3	297.5	1,900	48,400	36.3	319.6	43,400	260
265					22.7	286.2		47,000	33.7	312.3	42,100	265
270					18.4	272.3		45,600	31.0	304.2	40,800	270
275					12.7	253.3		44,200	27.9	295.0	39,600	275
280									24.5	284.5	38,400	280
285									20.6	272.0	37,300	285
290									15.8	256.1	36,100	290
295									8.3	231.1	35,000	295



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

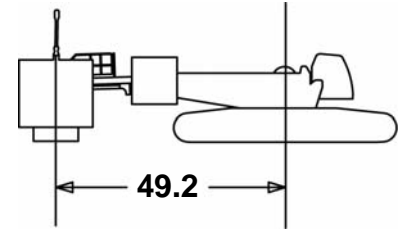
216.5 ft Boom, 216.5 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
135	59.6	411.5	73,800	83,000*	63.0	416.7	65,100	102,500*	66.4	420.3	56,300	102,500*	135
140	58.0	408.4	70,000	79,900*	61.5	414.0	61,500	99,600*	64.9	418.0	53,100	102,500*	140
145	56.5	405.1	66,400	77,000*	60.0	411.1	58,200	96,700*	63.4	415.5	50,100	102,500*	145
150	54.8	401.6	63,000	74,100*	58.5	408.0	55,200	93,700*	61.9	412.8	47,400	102,500*	150
155	53.2	397.9	59,900	71,200*	56.9	404.8	52,400	90,700*	60.4	410.0	44,800	102,500*	155
160	51.5	393.9	57,000	68,500*	55.3	401.3	49,700	87,700*	58.9	407.0	42,400	102,500*	160
165	49.8	389.7	54,300	65,900*	53.6	397.7	47,200	84,600*	57.3	403.8	40,200	102,500*	165
170	48.0	385.3	51,700	63,400*	52.0	393.8	44,900	81,600*	55.7	400.4	38,100	100,700*	170
175	46.2	380.5	49,300	61,000*	50.2	389.6	42,700	78,700*	54.1	396.8	36,100	97,800*	175
180	44.3	375.4	47,000	58,800*	48.5	385.2	40,600	75,800*	52.4	393.0	34,200	94,900*	180
185	42.3	370.0	44,800	56,600*	46.7	380.6	38,600	73,100*	50.7	388.9	32,400	91,900*	185
190	40.3	364.2	42,800	54,600*	44.8	375.6	36,800	70,400*	48.9	384.5	30,700	89,000*	190
195	38.2	357.9	40,900	52,700*	42.9	370.2	35,000	67,800*	47.1	379.9	29,200	86,000*	195
200	36.0	351.1	39,000	50,900*	40.9	364.5	33,300	65,300*	45.3	375.0	27,600	83,100*	200
205	33.6	343.7	37,300	49,300*	38.8	358.4	31,700	63,000*	43.4	369.8	26,200	80,200*	205
210	31.1	335.6	35,600	47,800*	36.6	351.7	30,200	60,700*	41.4	364.2	24,800	77,400*	210
215	28.3	326.6	34,000	46,400*	34.2	344.5	28,800	58,600*	39.3	358.1	23,500	74,700*	215
220	25.3	316.4	32,400	45,200*	31.8	336.6	27,400	56,700*	37.1	351.6	22,300	72,000*	220
225	21.9	304.6	30,900	44,200*	29.1	327.9	26,000	54,900*	34.8	344.6	21,100	69,500*	225
230	17.9	290.3	29,500	43,500*	26.2	318.0	24,700	53,200*	32.4	336.9	19,900	67,100*	230
235	12.7	271.1	28,000	43,100*	22.9	306.7	23,500	51,800*	29.8	328.3	18,800	64,800*	235
240					19.1	293.2	22,300	50,500*	26.9	318.8	17,700	62,700*	240
245					14.3	275.8	21,000	49,600*	23.8	307.9	16,700	60,700*	245
250					6.4	246.5	19,700	46,700*	20.1	295.1	15,600	59,000*	250
255									15.7	278.9	14,600	57,300*	255
260									9.1	254.8	13,600	51,000*	260
265													265
270													270
275													275
280													280
285													285
290													290
295													295
300													300
305													305
310													310
315													315



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

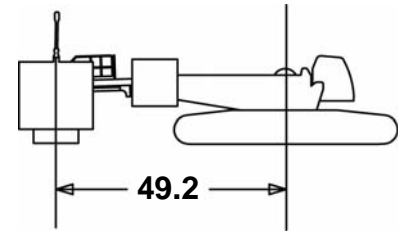
### 216.5 ft Boom, 216.5 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
135												135
140												140
145												145
150												150
155												155
160												160
165	63.0	410.3	28,500	94,000*								165
170	61.5	407.6	26,800	94,000*								170
175	59.9	404.7	25,200	91,200								175
180	58.4	401.7	23,600	87,800								180
185	56.8	398.4	22,200	84,700								185
190	55.2	395.0	20,800	81,700								190
195	53.6	391.3	19,500	78,800								195
200	51.9	387.4	18,200	76,100	57.8	394.5	8,900	69,000				200
205	50.2	383.2	17,000	73,600	56.2	391.1	8,000	66,700				205
210	48.4	378.8	15,900	71,200	54.6	387.6	7,100	64,400				210
215	46.6	374.1	14,800	68,900	52.9	383.8	6,200	62,300				215
220	44.7	369.1	13,800	66,700	51.2	379.9	5,400	60,300				220
225	42.8	363.8	12,800	64,600	49.5	375.6	4,700	58,300				225
230	40.8	358.1	11,900	62,500	47.7	371.1	3,900	56,500				230
235	38.7	351.9	11,000	60,600	45.9	366.3	3,200	54,700	52.1	374.3	48,900	235
240	36.5	345.2	10,100	58,800	44.0	361.1	2,500	53,000	50.4	370.2	47,300	240
245	34.1	338.0	9,200	57,000	42.0	355.6	1,800	51,400	48.6	365.8	45,800	245
250	31.7	330.0	8,400	55,300	40.0	349.7		49,800	46.8	361.2	44,400	250
255	29.0	321.2	7,600	53,700	37.8	343.4		48,300	44.9	356.2	43,000	255
260	26.0	311.4	6,800	52,100	35.6	336.5		46,800	43.0	350.9	41,700	260
265	22.8	300.0	6,100	50,600	33.2	329.0		45,500	41.0	345.2	40,400	265
270	18.9	286.4	5,300	49,100	30.6	320.8		44,100	38.9	339.1	39,200	270
275	14.1	268.7	4,600	47,600	27.9	311.6		42,800	36.7	332.5	38,000	275
280	5.8	238.0	3,700	46,200	24.8	301.2		41,500	34.4	325.3	36,800	280
285					21.4	289.1		40,300	31.9	317.5	35,700	285
290					17.2	274.2		39,100	29.3	308.8	34,600*	290
295					11.6	253.7		37,900	26.4	299.0	33,400*	295
300									23.1	287.8	32,300*	300
305									19.4	274.5	31,100*	305
310									14.7	257.4	30,000*	310
315									7.2	229.8	28,900*	315



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



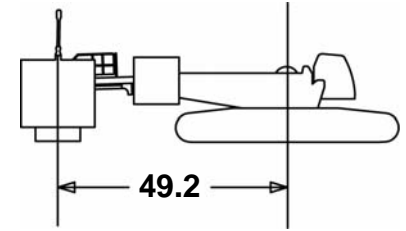
**16000 MAX-ER**

216.5 ft Boom, 236.2 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
145	59.6	428.5	64,900	72,400*	62.7	433.6	56,500	89,100*	65.8	437.4	48,200	88,100*	145
150	58.2	425.4	61,500	70,000*	61.4	430.9	53,500	86,800*	64.5	435.0	45,500	88,100*	150
155	56.7	422.1	58,400	67,600*	60.0	428.0	50,700	84,500*	63.1	432.5	43,000	88,100*	155
160	55.2	418.7	55,500	65,200*	58.5	425.0	48,000	82,100*	61.7	429.8	40,600	88,100*	160
165	53.7	415.0	52,800	62,900*	57.1	421.8	45,500	79,700*	60.3	427.0	38,300	88,100*	165
170	52.2	411.2	50,200	60,700*	55.6	418.4	43,200	77,300*	58.9	423.9	36,200	88,100*	170
175	50.6	407.1	47,800	58,600*	54.1	414.8	41,000	74,900*	57.5	420.8	34,300	88,100*	175
180	49.0	402.8	45,500	56,500*	52.6	411.0	39,000	72,500*	56.0	417.4	32,400	88,100*	180
185	47.4	398.2	43,400	54,500*	51.1	407.0	37,000	70,100*	54.5	413.9	30,600	86,300*	185
190	45.7	393.4	41,400	52,600*	49.5	402.7	35,200	67,800*	53.0	410.1	29,000	84,000*	190
195	44.0	388.2	39,400	50,800*	47.8	398.2	33,400	65,500*	51.5	406.1	27,400	81,700*	195
200	42.2	382.7	37,600	49,100*	46.2	393.4	31,800	63,300*	49.9	402.0	25,900	79,300*	200
205	40.3	376.9	35,900	47,500*	44.4	388.4	30,200	61,100*	48.3	397.5	24,500	77,000*	205
210	38.4	370.7	34,200	46,000*	42.7	383.0	28,700	59,100*	46.6	392.8	23,100	74,700*	210
215	36.3	364.0	32,600	44,500*	40.8	377.3	27,200	57,100*	44.9	387.9	21,800	72,300*	215
220	34.2	356.7	31,100	43,200*	38.9	371.1	25,900	55,200*	43.1	382.6	20,600	70,000*	220
225	31.9	348.9	29,700	41,900*	36.9	364.6	24,600	53,300*	41.3	376.9	19,400	67,800*	225
230	29.5	340.2	28,300	40,800*	34.8	357.5	23,300	51,600*	39.4	370.9	18,300	65,600*	230
235	26.9	330.7	26,900	39,700*	32.6	349.8	22,100	50,000*	37.4	364.5	17,200	63,500*	235
240	24.0	319.9	25,600	38,800*	30.2	341.4	20,900	48,500*	35.3	357.5	16,200	61,400*	240
245	20.8	307.4	24,400	38,100*	27.6	332.1	19,800	47,100*	33.1	350.0	15,200	59,500*	245
250	16.9	292.1	23,200	37,600*	24.8	321.7	18,700	45,800*	30.8	341.8	14,200	57,600*	250
255	11.7	271.6	21,900	37,400*	21.7	309.7	17,600	44,700*	28.3	332.7	13,200	55,800*	255
260					18.0	295.4	16,600	43,800*	25.6	322.6	12,300	54,200*	260
265					13.3	276.7	15,600	43,100*	22.5	311.1	11,400	52,200*	265
270					5.3	243.9	14,400	38,100*	19.0	297.4	10,600	50,100*	270
275									14.6	280.2	9,700	47,800*	275
280									8.2	253.9	8,800	42,100*	280
285													285
290													290
295													295
300													300
305													305
310													310
315													315
320													320
325													325
330													330
335													335

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

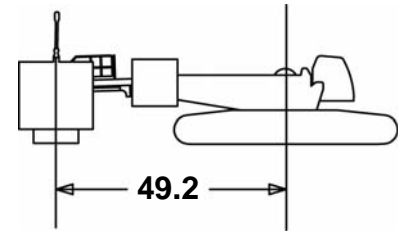
216.5 ft Boom, 236.2 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
145												145
150												150
155												155
160												160
165												165
170												170
175	62.7	427.3	23,100	80,500*								175
180	61.3	424.6	21,600	80,500*								180
185	59.9	421.7	20,100	80,500*								185
190	58.5	418.6	18,700	80,000								190
195	57.0	415.4	17,500	77,200								195
200	55.6	412.0	16,200	74,500								200
205	54.1	408.4	15,100	72,000								205
210	52.6	404.6	14,000	69,600	57.9	411.4	4,900	62,700				210
215	51.0	400.6	12,900	67,300	56.5	408.1	4,100	60,600				215
220	49.4	396.3	11,900	65,100	55.0	404.7	3,300	58,600				220
225	47.8	391.8	10,900	63,000	53.5	401.0	2,500	56,600				225
230	46.1	387.0	10,000	61,000	52.0	397.1	1,800	54,800				230
235	44.4	381.9	9,100	59,100	50.4	393.0		53,000				235
240	42.6	376.5	8,200	57,300	48.8	388.6		51,400				240
245	40.7	370.8	7,400	55,600	47.1	384.0		49,700	52.7	391.5	44,100	245
250	38.8	364.7	6,600	53,900	45.4	379.1		48,200	51.2	387.5	42,600	250
255	36.8	358.1	5,900	52,300	43.7	373.9		46,700	49.6	383.3	41,300	255
260	34.7	351.0	5,100	50,700	41.9	368.4		45,300	47.9	378.8	40,000	260
265	32.5	343.2	4,400	49,200	40.0	362.5		43,900	46.3	374.0	38,600*	265
270	30.1	334.8	3,700	47,800	38.0	356.2		42,600	44.6	369.0	37,300*	270
275	27.5	325.5	3,100	46,400	36.0	349.4		41,300	42.8	363.7	36,000*	275
280	24.7	315.0	2,400	45,100	33.9	342.1		40,100	40.9	358.0	34,800*	280
285	21.5	302.9	1,700	43,800	31.6	334.1		38,900	39.0	351.9	33,600*	285
290	17.8	288.4		42,500	29.1	325.4		37,700	37.0	345.3	32,400*	290
295	13.1	269.5		41,200	26.5	315.6		36,600	34.9	338.3	31,300*	295
300	4.5	234.8		39,900	23.5	304.6		35,500	32.7	330.6	30,200*	300
305					20.2	291.7		34,500	30.4	322.3	29,100*	305
310					16.2	275.9		33,400	27.8	313.0	28,100*	310
315					10.7	253.8		32,400	25.0	302.7	27,100*	315
320									21.9	290.8	26,100*	320
325									18.3	276.7	25,100*	325
330									13.7	258.4	24,100*	330
335									6.1	227.8	23,100*	335



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



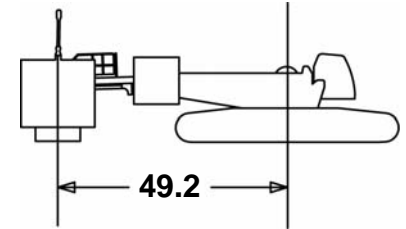
**16000 MAX-ER**

216.5 ft Boom, 255.9 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
160	58.3	442.4	54,100	61,400*	61.2	447.9	46,500	75,800*	64.1	452.0	38,900	75,500*	160
165	56.9	439.1	51,400	59,400*	59.9	445.0	44,000	73,900*	62.8	449.5	36,700	75,500*	165
170	55.6	435.7	48,800	57,500*	58.6	442.0	41,700	72,000*	61.5	446.7	34,600	75,500*	170
175	54.2	432.1	46,400	55,600*	57.3	438.8	39,500	70,100*	60.3	443.9	32,700	75,500*	175
180	52.8	428.3	44,200	53,800*	55.9	435.4	37,500	68,100*	59.0	440.9	30,800	75,500*	180
185	51.4	424.4	42,000	52,000*	54.6	431.8	35,500	66,200*	57.6	437.7	29,000	75,500*	185
190	49.9	420.2	40,000	50,300*	53.2	428.1	33,700	64,300*	56.3	434.4	27,400	75,400*	190
195	48.4	415.7	38,100	48,700*	51.8	424.2	31,900	62,300*	54.9	430.9	25,800	75,300*	195
200	46.9	411.1	36,300	47,100*	50.3	420.1	30,300	60,400*	53.5	427.2	24,300	74,400*	200
205	45.3	406.2	34,500	45,600*	48.8	415.7	28,700	58,600*	52.1	423.4	22,900	72,500*	205
210	43.7	401.0	32,900	44,100*	47.3	411.1	27,200	56,700*	50.7	419.3	21,600	70,700*	210
215	42.0	395.5	31,300	42,700*	45.7	406.3	25,800	55,000*	49.2	415.0	20,300	68,800*	215
220	40.3	389.7	29,800	41,400*	44.1	401.2	24,400	53,200*	47.7	410.5	19,100	66,900*	220
225	38.5	383.5	28,400	40,200*	42.5	395.8	23,100	51,600*	46.1	405.7	17,900	65,000*	225
230	36.7	376.8	27,000	39,000*	40.8	390.0	21,900	50,000*	44.5	400.7	16,800	63,200*	230
235	34.7	369.7	25,700	37,900*	39.0	383.9	20,700	48,400*	42.9	395.3	15,700	61,300*	235
240	32.7	362.0	24,400	36,900*	37.2	377.4	19,600	46,900*	41.2	389.7	14,700	59,500*	240
245	30.5	353.7	23,200	35,900*	35.3	370.4	18,500	45,500*	39.5	383.7	13,700	57,700*	245
250	28.2	344.6	22,000	35,000*	33.2	362.9	17,400	44,200*	37.7	377.2	12,700	56,000*	250
255	25.6	334.5	20,900	34,200*	31.1	354.8	16,400	43,000*	35.8	370.4	11,800	54,400*	255
260	22.9	323.1	19,800	33,600*	28.8	345.9	15,400	41,800*	33.8	363.0	10,900	52,800*	260
265	19.7	309.9	18,700	33,100*	26.4	336.1	14,400	40,800*	31.7	355.1	10,100	51,200*	265
270	15.9	293.7	17,700	32,700*	23.6	325.1	13,500	39,800*	29.4	346.4	9,300	49,200*	270
275	10.9	271.7	16,600	32,700*	20.6	312.4	12,600	39,000*	27.0	336.8	8,500	47,300*	275
280					17.0	297.2	11,700	38,300*	24.4	326.2	7,700	45,500*	280
285					12.4	277.4	10,800	36,900*	21.4	314.0	6,900	43,700*	285
290					4.0	240.1	9,700	30,600*	18.0	299.5	6,100	41,900*	290
295									13.7	281.3	5,400	39,600*	295
300									7.2	252.6	4,500	34,500*	300
305													305
310													310
315													315
320													320
325													325
330													330
335													335
340													340
345													345
350													350
355													355

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

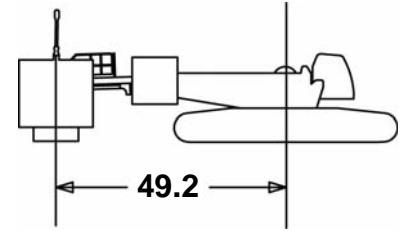
216.5 ft Boom, 255.9 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Point Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Point Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Point Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
160											160
165											165
170											170
175											175
180											180
185	62.4	444.3	18,300	68,800*							185
190	61.2	441.5	17,000	68,800*							190
195	59.9	438.6	15,700	68,800*							195
200	58.6	435.6	14,500	68,800*							200
205	57.2	432.4	13,300	68,800*							205
210	55.9	429.0	12,200	68,200							210
215	54.5	425.5	11,200	65,900							215
220	53.1	421.7	10,200	63,700							220
225	51.7	417.8	9,200	61,700	56.7	425.1	55,200				225
230	50.2	413.7	8,300	59,700	55.4	421.7	53,300				230
235	48.7	409.3	7,500	57,800	54.0	418.1	51,600				235
240	47.2	404.7	6,600	56,000	52.6	414.3	49,900				240
245	45.7	399.9	5,800	54,200	51.1	410.3	48,300				245
250	44.1	394.7	5,000	52,600	49.7	406.0	46,800				250
255	42.4	389.3	4,300	51,000	48.2	401.6	45,300				255
260	40.7	383.5	3,600	49,400	46.6	396.9	43,900	51.8	404.7	38,000*	260
265	38.9	377.4	2,900	48,000	45.1	391.9	42,500	50.4	400.6	36,600*	265
270	37.1	370.9	2,200	46,500	43.4	386.7	41,200	48.9	396.3	35,300*	270
275	35.2	363.9	1,500	45,200	41.8	381.1	40,000	47.4	391.7	34,100*	275
280	33.1	356.4		43,800	40.0	375.3	38,700	45.8	386.9	32,800*	280
285	31.0	348.2		42,600	38.2	369.0	37,600	44.2	381.8	31,600*	285
290	28.7	339.3		41,300	36.4	362.3	36,400	42.6	376.4	30,500*	290
295	26.2	329.4		40,100	34.4	355.1	35,300	40.9	370.7	29,400*	295
300	23.5	318.4		39,000	32.3	347.3	34,300	39.1	364.6	28,300*	300
305	20.5	305.6		37,800	30.1	338.9	33,200	37.3	358.1	27,300*	305
310	16.8	290.3		36,700	27.8	329.6	32,100*	35.4	351.2	26,300*	310
315	12.2	270.1		35,600	25.2	319.3	31,000*	33.4	343.7	25,300*	315
320	3.0	229.6		34,400*	22.4	307.7	30,000*	31.2	335.6	24,300*	320
325					19.1	294.1	28,900*	29.0	326.8	23,400*	325
330					15.2	277.3	27,900*	26.5	317.1	22,500*	330
335					9.8	253.6	26,800*	23.8	306.1	21,600*	335
340								20.8	293.6	20,700*	340
345								17.3	278.6	19,900*	345
350								12.8	259.2	19,000*	350
355								5.0	225.0	18,000*	355



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

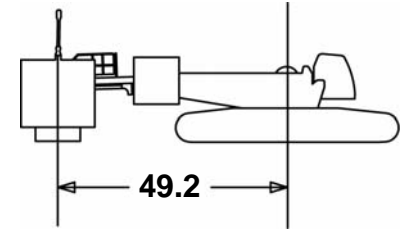
216.5 ft Boom, 275.6 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
165	59.6	462.4	49,700	55,500*	62.3	467.6	42,200	65,500*	64.9	471.5	34,700	63,800*	165
170	58.4	459.3	47,200	53,900*	61.1	464.8	39,900	65,200*	63.8	469.0	32,600	63,700*	170
175	57.1	456.1	44,800	52,300*	59.9	462.0	37,700	64,500*	62.6	466.4	30,700	63,600*	175
180	55.9	452.7	42,500	50,800*	58.7	458.9	35,700	63,000*	61.4	463.7	28,800	63,500*	180
185	54.6	449.2	40,400	49,300*	57.4	455.7	33,700	61,500*	60.2	460.9	27,100	63,400*	185
190	53.3	445.5	38,400	47,800*	56.2	452.4	31,900	60,000*	59.0	457.9	25,400	63,300*	190
195	52.0	441.6	36,400	46,300*	54.9	448.9	30,200	58,500*	57.8	454.7	23,900	63,100*	195
200	50.6	437.5	34,600	44,900*	53.6	445.2	28,500	56,900*	56.5	451.4	22,400	63,000*	200
205	49.3	433.2	32,900	43,600*	52.3	441.4	26,900	55,400*	55.3	448.0	21,000	62,800*	205
210	47.9	428.7	31,300	42,200*	51.0	437.4	25,500	53,900*	54.0	444.3	19,700	62,700*	210
215	46.4	424.0	29,700	41,000*	49.6	433.1	24,000	52,400*	52.7	440.5	18,400	62,500*	215
220	45.0	419.0	28,200	39,700*	48.2	428.7	22,700	50,900*	51.3	436.6	17,200	62,300*	220
225	43.5	413.8	26,800	38,600*	46.8	424.0	21,400	49,500*	50.0	432.4	16,000	61,100*	225
230	41.9	408.2	25,400	37,400*	45.4	419.1	20,200	48,100*	48.6	428.0	14,900	59,700*	230
235	40.3	402.4	24,100	36,400*	43.9	414.0	19,000	46,700*	47.2	423.4	13,900	58,300*	235
240	38.7	396.2	22,900	35,300*	42.3	408.5	17,800	45,300*	45.7	418.5	12,800	56,800*	240
245	36.9	389.6	21,700	34,400*	40.8	402.8	16,800	44,000*	44.3	413.5	11,900	55,300*	245
250	35.2	382.6	20,500	33,500*	39.1	396.7	15,700	42,800*	42.7	408.1	10,900	53,900*	250
255	33.3	375.1	19,400	32,600*	37.4	390.2	14,700	41,600*	41.2	402.4	10,000	52,500*	255
260	31.3	367.1	18,300	31,800*	35.6	383.3	13,700	40,400*	39.5	396.4	9,200	51,100*	260
265	29.2	358.3	17,300	31,100*	33.8	376.0	12,800	39,400*	37.9	390.0	8,300	49,700*	265
270	27.0	348.7	16,300	30,400*	31.8	368.1	11,900	38,300*	36.1	383.3	7,500	48,200*	270
275	24.5	338.1	15,300	29,800*	29.8	359.5	11,000	37,400*	34.3	376.0	6,700	46,300*	275
280	21.8	326.1	14,300	29,300*	27.6	350.1	10,200	36,500*	32.4	368.3	6,000	44,500*	280
285	18.7	312.2	13,400	29,000*	25.2	339.8	9,300	35,600*	30.3	359.9	5,200	42,800*	285
290	15.0	295.1	12,500	28,800*	22.6	328.2	8,500	34,900*	28.2	350.8	4,500	41,100*	290
295	10.1	271.6	11,500	27,100*	19.6	314.9	7,700	34,300*	25.8	340.7	3,800	39,400*	295
300					16.1	298.9	6,900	33,500*	23.3	329.5	3,100	37,800*	300
305					11.6	277.8	6,100	29,800*	20.4	316.7	2,500	36,300*	305
310					2.4	233.6	5,200	23,600*	17.1	301.5	1,800	34,800*	310
315									12.9	282.1		32,400*	315
320									6.3	250.8		27,600*	320
325													325
330													330
335													335
340													340
345													345
350													350
355													355
360													360
365													365
370													370
375													375



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

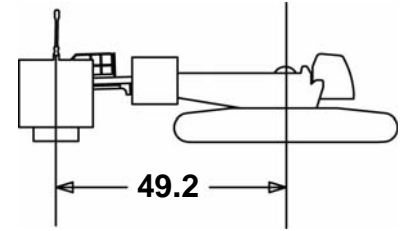
216.5 ft Boom, 275.6 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
165											165
170											170
175											175
180											180
185											185
190											190
195	62.2	461.3	13,500	58,100*							195
200	61.0	458.5	12,300	58,100*							200
205	59.8	455.6	11,200	58,100*							205
210	58.6	452.6	10,100	58,100*							210
215	57.4	449.4	9,100	58,100*							215
220	56.1	446.0	8,100	58,100*							220
225	54.9	442.5	7,200	58,100*							225
230	53.6	438.9	6,300	58,000							230
235	52.3	435.0	5,400	56,100	56.9	442.1	49,800				235
240	50.9	431.0	4,600	54,300	55.7	438.7	48,100				240
245	49.6	426.7	3,800	52,600	54.4	435.2	46,500				245
250	48.2	422.3	3,000	51,000	53.1	431.4	45,000				250
255	46.8	417.6	2,300	49,400	51.8	427.5	43,600				255
260	45.3	412.7	1,600	47,900	50.4	423.4	42,200				260
265	43.8	407.5		46,400	49.0	419.1	40,800				265
270	42.3	402.1		45,000	47.6	414.5	39,500	52.4	421.9	32,800*	270
275	40.7	396.3		43,600	46.2	409.8	38,300	51.1	417.9	31,600*	275
280	39.0	390.2		42,300	44.7	404.7	37,100	49.7	413.7	30,400*	280
285	37.3	383.7		41,000	43.2	399.5	35,800*	48.3	409.3	29,200*	285
290	35.6	376.8		39,800	41.7	393.9	34,600*	46.9	404.6	28,100*	290
295	33.7	369.4		38,600	40.1	388.0	33,400*	45.5	399.7	27,000*	295
300	31.8	361.5		37,500	38.4	381.8	32,200*	44.0	394.6	25,900*	300
305	29.7	352.9		36,400	36.7	375.1	31,100*	42.4	389.2	24,900*	305
310	27.5	343.5		35,300	34.9	368.0	30,000*	40.9	383.4	23,900*	310
315	25.1	333.1		34,300	33.0	360.5	28,900*	39.2	377.4	23,000*	315
320	22.5	321.5		33,300	31.0	352.3	27,900*	37.5	370.9	22,000*	320
325	19.5	308.1		32,300	28.9	343.4	26,900*	35.8	364.1	21,100*	325
330	16.0	291.9		31,300	26.6	333.6	25,900*	33.9	356.7	20,200*	330
335	11.4	270.5		30,300	24.1	322.8	24,900*	32.0	348.9	19,400*	335
340					21.4	310.6	24,000*	29.9	340.4	18,500*	340
345					18.2	296.2	23,000*	27.7	331.1	17,700*	345
350					14.4	278.5	22,100*	25.4	320.8	16,900*	350
355					9.0	253.1	21,200*	22.8	309.3	16,100*	355
360								19.8	296.1	15,400*	360
365								16.4	280.3	14,600*	365
370								12.0	259.7	13,800*	370
375								3.8	221.0	12,900*	375



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

236.2 ft Boom, 78.7 ft Luffing Jib

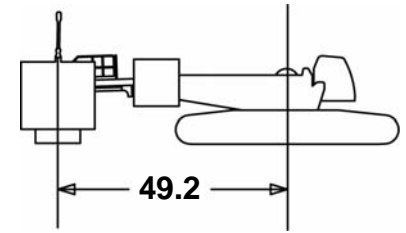
Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
65	61.0	313.3	205,500	233,700*b									65
70	56.7	310.1	187,400	220,700*b	67.1	315.9	170,000	268,800*c					70
75	52.1	306.2	172,000	208,100*b	63.0	313.3	155,900	257,300*b					75
80	47.2	301.7	158,600	196,300*	58.7	310.3	143,800	244,800*b					80
85	41.8	296.2	146,900	185,400*	54.3	306.8	133,200	232,300*b	64.9	312.6	119,300	257,400b	85
90	35.7	289.6	136,600	175,900*	49.5	302.6	123,900	219,900*	60.7	309.8	110,900	239,900b	90
95	28.5	281.0	127,400	168,200*	44.4	297.6	115,600	208,000*	56.4	306.5	103,500	224,600b	95
100	18.6	268.4	118,900	163,100*	38.7	291.6	108,200	197,100*	51.8	302.6	96,800	210,900b	100
105					32.1	284.0	101,400	187,400*	46.8	298.0	90,800	198,700	105
110					23.8	273.8	95,100	179,600*	41.4	292.5	85,300	187,700	110
115					9.6	255.0	89,000	165,700*	35.3	285.7	80,300	177,800	115
120									27.9	277.0	75,600	168,700	120
125									17.8	263.9	71,100	160,200	125
130													130
135													135
140													140
145													145
150													150
155													155
160													160
165													165
170													170
175													175
180													180
185													185





# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

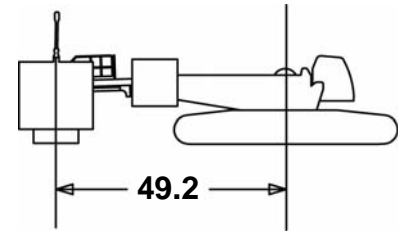
236.2 ft Boom, 78.7 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
65													65
70													70
75													75
80													80
85													85
90													90
95													95
100													100
105													105
110	60.9	305.1	68,200	174,400 <b>b</b>									110
115	56.5	301.9	64,200	165,200 <b>b</b>									115
120	51.9	298.0	60,400	156,900 <b>b</b>									120
125	47.0	293.5	57,000	149,200									125
130	41.6	288.0	53,800	142,200									130
135	35.5	281.3	50,800	135,700	56.3	295.2	37,500	125,500 <b>b</b>					135
140	28.3	272.6	47,900	129,700	51.7	291.3	35,300	120,000 <b>b</b>					140
145	18.3	259.8	45,100	124,000	46.7	286.7	33,300	114,800					145
150					41.3	281.1	31,400	110,100					150
155					35.1	274.3	29,500	105,600					155
160					27.8	265.5	27,700	101,400	50.8	282.3	17,100	93,200 <b>b</b>	160
165					17.5	252.3	25,900	97,300	45.7	277.5	15,900	89,700	165
170									40.2	271.8	14,800	86,300	170
175									33.9	264.7	13,600	83,100	175
180									26.1	255.3	12,500	80,000	180
185									14.7	240.4	11,200	77,000	185



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



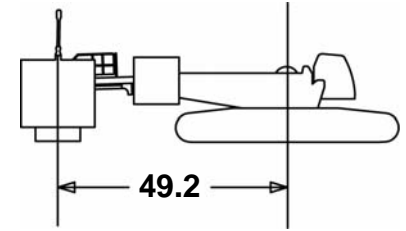
**16000 MAX-ER**

236.2 ft Boom, 98.4 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
75	60.7	330.3	171,700	192,400*b	68.8	335.2	155,100	232,500*b					75
80	57.2	327.1	158,400	182,100*	65.6	332.9	143,000	224,500*b					80
85	53.6	323.4	146,800	172,200*	62.3	330.3	132,500	214,900*b					85
90	49.9	319.3	136,600	162,800*	58.9	327.3	123,200	205,000*	67.0	332.0	109,700	230,700*b	90
95	45.8	314.5	127,500	154,000*	55.4	323.9	115,000	195,000*	63.8	329.5	102,300	223,500b	95
100	41.5	309.0	119,400	146,000*	51.7	320.0	107,600	185,000*	60.5	326.7	95,700	209,900b	100
105	36.7	302.5	112,100	138,900*	47.8	315.5	101,000	175,500*	57.0	323.5	89,800	197,800	105
110	31.3	294.6	105,500	132,700*	43.6	310.4	95,000	166,500*	53.4	319.8	84,400	186,900	110
115	24.8	284.6	99,400	127,800*	39.1	304.4	89,600	158,100*	49.6	315.6	79,500	177,000	115
120	15.7	269.9	93,600	125,000*	34.0	297.2	84,600	150,500*	45.5	310.8	75,100	168,100	120
125					28.1	288.4	79,900	144,000*	41.2	305.2	70,900	159,900	125
130					20.6	276.5	75,500	138,800*	36.4	298.7	67,100	152,400	130
135					6.6	253.2	71,100	135,200*	30.9	290.7	63,500	145,400	135
140									24.3	280.5	60,200	139,000	140
145									14.9	265.2	56,900	132,900	145
150													150
155													155
160													160
165													165
170													170
175													175
180													180
185													185
190													190
195													195
200													200
205													205

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

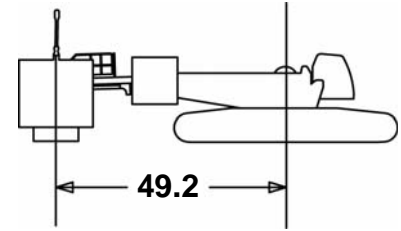
### 236.2 ft Boom, 98.4 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
75													75
80													80
85													85
90													90
95													95
100													100
105													105
110													110
115													115
120	60.6	322.1	59,000	155,600b									120
125	57.1	318.9	55,700	148,100									125
130	53.5	315.2	52,600	141,100									130
135	49.7	311.1	49,700	134,700									135
140	45.7	306.3	47,000	128,800									140
145	41.4	300.7	44,500	123,400	56.9	312.2	31,800	113,500					145
150	36.6	294.2	42,200	118,300	53.3	308.5	29,900	108,900					150
155	31.1	286.3	40,000	113,500	49.5	304.3	28,200	104,500					155
160	24.6	276.2	37,800	109,000	45.5	299.5	26,600	100,400					160
165	15.4	261.2	35,600	104,700	41.1	293.9	25,100	96,600					165
170					36.3	287.3	23,600	93,000	52.6	299.6	13,200	85,000	170
175					30.8	279.3	22,200	89,500	48.8	295.3	12,200	81,900	175
180					24.1	269.0	20,800	86,300	44.7	290.3	11,200	79,000	180
185					14.6	253.5	19,300	83,100	40.2	284.5	10,300	76,200	185
190									35.3	277.7	9,400	73,500	190
195									29.6	269.4	8,500	71,000	195
200									22.7	258.5	7,600	68,600	200
205									12.0	240.8	6,500	66,100	205



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



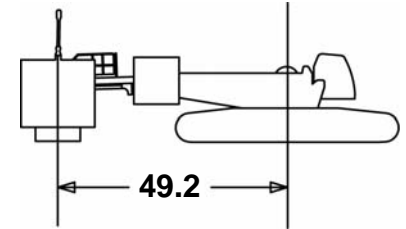
**16000 MAX-ER**

236.2 ft Boom, 118.1 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
90	57.6	344.1	135,600	152,500*	64.6	349.9	121,700	189,200*					90
95	54.7	340.6	126,500	144,700*	61.8	347.2	113,500	181,600*					95
100	51.6	336.6	118,500	137,200*	59.0	344.3	106,200	173,600*	65.8	349.0	93,800	198,100*b	100
105	48.3	332.2	111,200	130,200*	56.1	340.9	99,600	165,600*	63.1	346.5	87,900	196,100	105
110	44.9	327.3	104,700	123,600*	53.1	337.2	93,700	157,700*	60.3	343.7	82,600	185,300	110
115	41.3	321.7	98,700	117,600*	49.9	333.0	88,300	150,100*	57.4	340.5	77,800	175,500	115
120	37.4	315.4	93,300	112,200*	46.6	328.4	83,400	142,700*	54.5	337.0	73,400	166,600	120
125	33.0	307.9	88,300	107,300*	43.1	323.1	78,900	135,800*	51.4	333.0	69,300	158,500	125
130	28.1	299.0	83,600	103,200*	39.3	317.1	74,700	129,300*	48.1	328.6	65,600	151,100	130
135	22.1	287.7	79,300	100,100*	35.1	310.2	70,800	123,400*	44.7	323.6	62,100	144,200	135
140	13.5	270.8	75,100	98,600*	30.5	302.1	67,200	118,100*	41.0	318.0	58,900	137,900	140
145					25.1	292.1	63,800	113,500*	37.1	311.5	55,900	132,000	145
150					18.1	278.6	60,500	110,100*	32.7	304.0	53,100	126,600	150
155					3.3	248.6	57,100	106,200*	27.7	295.0	50,500	121,500	155
160									21.6	283.4	47,900	116,700	160
165									12.7	265.9	45,400	112,100	165
170													170
175													175
180													180
185													185
190													190
195													195
200													200
205													205
210													210
215													215
220													220
225													225

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

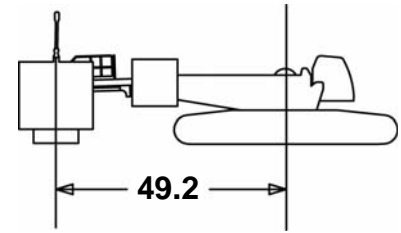
236.2 ft Boom, 118.1 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
90													90
95													95
100													100
105													105
110													110
115													115
120													120
125													125
130	60.4	339.0	50,400	139,300									130
135	57.5	335.9	47,600	133,000									135
140	54.6	332.4	45,000	127,200									140
145	51.5	328.4	42,600	121,700									145
150	48.2	324.0	40,300	116,700									150
155	44.8	319.1	38,200	112,000	57.4	329.2	25,900	102,600					155
160	41.2	313.5	36,200	107,700	54.4	325.6	24,400	98,600					160
165	37.2	307.1	34,300	103,500	51.3	321.7	22,900	94,800					165
170	32.9	299.6	32,500	99,700	48.0	317.2	21,500	91,300					170
175	27.9	290.6	30,800	96,000	44.6	312.3	20,200	87,900					175
180	21.9	279.2	29,100	92,600	41.0	306.6	19,000	84,800					180
185	13.2	262.0	27,400	89,200	37.0	300.2	17,800	81,800	50.7	312.7	8,000	74,300	185
190					32.6	292.6	16,600	79,000	47.4	308.2	7,100	71,700	190
195					27.6	283.5	15,500	76,300	44.0	303.1	6,300	69,300	195
200					21.4	271.9	14,400	73,700	40.2	297.3	5,600	67,000	200
205					12.5	254.1	13,200	71,100	36.2	290.7	4,800	64,700	205
210									31.7	282.9	4,100	62,600	210
215									26.5	273.4	3,400	60,600	215
220									20.1	261.1	2,600	58,600	220
225									9.8	240.5	1,800	56,600	225

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
with 98.4 ft Mast No. 59A

332,000 lb Crane Counterweight  
120,000 lb Carbody Counterweight  
137,850 lb Hanging Counterweight  
at 49.2 ft Position  
360 Degree Rating



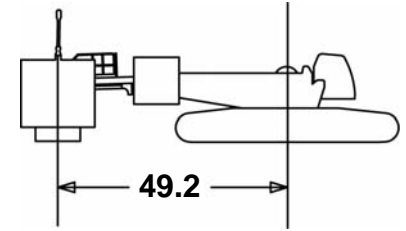
## 16000 MAX-ER

236.2 ft Boom, 137.8 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
105	55.4	357.6	110,400	123,200*	61.5	364.2	98,400	155,100*	67.2	368.4	86,500	170,700*	105
110	52.8	353.9	103,800	117,200*	59.1	361.2	92,500	148,700*	64.9	366.1	81,200	170,700*	110
115	50.1	349.7	97,900	111,500*	56.6	358.0	87,100	142,300*	62.6	363.5	76,400	170,700*	115
120	47.3	345.1	92,500	106,200*	54.0	354.3	82,300	136,000*	60.2	360.6	72,000	165,400	120
125	44.3	340.1	87,600	101,200*	51.4	350.4	77,800	129,800*	57.7	357.5	68,000	157,300	125
130	41.2	334.5	83,000	96,600*	48.6	346.0	73,700	123,800*	55.2	354.0	64,300	149,900	130
135	37.8	328.2	78,800	92,400*	45.7	341.2	69,800	118,100*	52.6	350.2	60,900	143,100	135
140	34.2	321.0	74,900	88,600*	42.7	335.9	66,300	112,700*	49.9	346.1	57,700	136,800	140
145	30.2	312.7	71,200	85,300*	39.4	329.9	63,000	107,600*	47.1	341.5	54,800	131,000	145
150	25.5	302.8	67,800	82,500*	36.0	323.2	60,000	102,900*	44.1	336.4	52,000	125,600	150
155	19.9	290.2	64,500	80,400*	32.1	315.5	57,100	98,600*	40.9	330.7	49,400	120,600	155
160	11.7	271.2	61,300	79,700*	27.8	306.4	54,300	94,800*	37.6	324.4	47,000	115,900	160
165					22.8	295.3	51,700	91,500*	33.9	317.1	44,800	111,400	165
170					16.2	280.3	49,200	89,300*	29.9	308.8	42,600	107,300	170
175									25.2	298.7	40,500	103,400	175
180									19.5	285.9	38,500	99,700	180
185									11.0	266.0	36,500	96,100	185
190													190
195													195
200													200
205													205
210													210
215													215
220													220
225													225
230													230
235													235
240													240
245													245

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

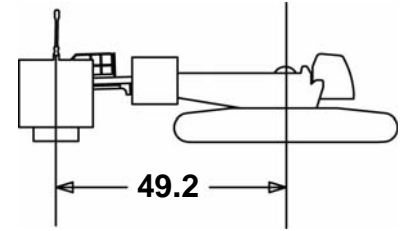
236.2 ft Boom, 137.8 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
105													105
110													110
115													115
120													120
125													125
130													130
135	62.7	358.8	45,900	131,600									135
140	60.3	356.0	43,400	125,800									140
145	57.8	352.9	41,000	120,400									145
150	55.3	349.4	38,800	115,400									150
155	52.7	345.6	36,700	110,800									155
160	50.0	341.5	34,700	106,400									160
165	47.2	336.9	32,900	102,400	57.7	346.2	21,100	93,400					165
170	44.2	331.9	31,200	98,600	55.1	342.7	19,800	89,800					170
175	41.1	326.2	29,600	95,000	52.5	338.9	18,600	86,600					175
180	37.7	319.9	28,000	91,600	49.8	334.7	17,400	83,500					180
185	34.1	312.7	26,500	88,400	47.0	330.1	16,200	80,500					185
190	30.0	304.4	25,100	85,400	44.0	325.0	15,100	77,700					190
195	25.4	294.4	23,700	82,500	40.9	319.4	14,100	75,100	52.0	330.0	4,600	67,800	195
200	19.7	281.7	22,400	79,700	37.5	313.0	13,100	72,600	49.3	325.7	3,900	65,600	200
205	11.4	262.3	20,900	77,000	33.8	305.7	12,200	70,200	46.4	321.0	3,200	63,400	205
210					29.8	297.3	11,200	68,000	43.4	315.8	2,500	61,300	210
215					25.1	287.2	10,300	65,800	40.3	310.0	1,900	59,400	215
220					19.3	274.3	9,400	63,700	36.8	303.5		57,500	220
225					10.7	254.1	8,400	61,600	33.1	296.1		55,700	225
230									29.0	287.4		53,900	230
235									24.1	276.9		52,200	235
240									18.0	263.2		50,600	240
245									8.0	239.5		48,900	245



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

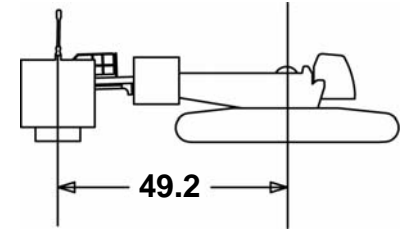
236.2 ft Boom, 157.5 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
125	51.3	367.0	86,200	96,400*	56.9	375.0	76,100	123,200*	62.2	380.5	66,000	147,400*	125
130	48.9	362.7	81,700	92,100*	54.7	371.4	72,000	118,100*	60.1	377.6	62,400	143,800*	130
135	46.4	358.0	77,500	88,000*	52.4	367.6	68,300	113,000*	57.9	374.5	59,000	139,200*	135
140	43.8	352.9	73,700	84,100*	50.1	363.5	64,800	108,200*	55.7	371.1	55,800	134,500*	140
145	41.1	347.2	70,000	80,600*	47.6	359.0	61,500	103,500*	53.5	367.4	52,900	129,500	145
150	38.2	341.0	66,700	77,300*	45.1	354.0	58,500	99,000*	51.2	363.4	50,200	124,100	150
155	35.0	334.0	63,500	74,300*	42.4	348.6	55,600	94,700*	48.8	359.1	47,700	119,100	155
160	31.6	326.1	60,600	71,600*	39.6	342.7	53,000	90,700*	46.2	354.3	45,300	114,400	160
165	27.9	317.0	57,800	69,200*	36.5	336.0	50,500	87,000*	43.6	349.1	43,100	110,100	165
170	23.5	306.2	55,100	67,300*	33.3	328.6	48,100	83,500*	40.9	343.5	41,000	105,600*	170
175	18.2	292.4	52,600	65,800*	29.7	320.2	45,900	80,400*	37.9	337.2	39,000	101,300*	175
180	10.2	271.1	50,000	65,700*	25.7	310.2	43,700	77,700*	34.8	330.1	37,100	97,200*	180
185					20.9	298.1	41,700	75,300*	31.4	322.2	35,400	93,300*	185
190					14.6	281.5	39,700	73,800*	27.6	313.0	33,600	89,800*	190
195									23.2	302.0	32,000	86,600*	195
200									17.7	287.9	30,400	84,000*	200
205									9.4	265.6	28,700	82,400*	205
210													210
215													215
220													220
225													225
230													230
235													235
240													240
245													245
250													250
255													255
260													260
265													265



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

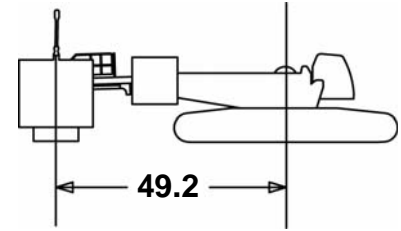
236.2 ft Boom, 157.5 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
125												125
130												130
135												135
140												140
145	62.3	375.8	38,700	118,600								145
150	60.2	373.0	36,600	113,600								150
155	58.0	369.9	34,500	109,000								155
160	55.8	366.5	32,600	104,700								160
165	53.6	362.8	30,800	100,700								165
170	51.3	358.8	29,100	96,900								170
175	48.8	354.5	27,600	93,300	57.9	363.2	16,200	84,600				175
180	46.3	349.8	26,000	90,000	55.7	359.8	15,000	81,600				180
185	43.7	344.6	24,600	86,800	53.4	356.1	13,900	78,700				185
190	41.0	339.0	23,300	83,800	51.1	352.1	12,900	75,900				190
195	38.1	332.7	22,000	81,000	48.7	347.7	11,900	73,400				195
200	34.9	325.7	20,700	78,300	46.2	343.0	11,000	70,900				200
205	31.5	317.8	19,500	75,800	43.6	337.8	10,100	68,600				205
210	27.7	308.6	18,400	73,300	40.8	332.1	9,200	66,300	50.7	343.1	59,400	210
215	23.4	297.7	17,300	71,000	37.9	325.8	8,400	64,200	48.2	338.7	57,500	215
220	18.0	283.8	16,100	68,700	34.7	318.8	7,600	62,200	45.7	333.9	55,700	220
225	9.9	262.1	15,000	66,500	31.3	310.8	6,800	60,200	43.1	328.6	53,900	225
230					27.5	301.6	6,000	58,400	40.3	322.8	52,200	230
235					23.1	290.5	5,300	56,600	37.3	316.4	50,600	235
240					17.6	276.3	4,500	54,800	34.1	309.2	49,000	240
245					9.2	253.6	3,700	53,000	30.6	301.0	47,500	245
250									26.7	291.5	46,100	250
255									22.2	280.0	44,700	255
260									16.4	264.9	43,300	260
265									6.3	237.6	41,800	265



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



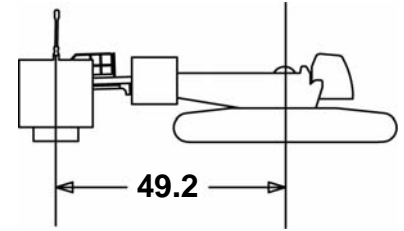
**16000 MAX-ER**

236.2 ft Boom, 177.2 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
140	50.2	380.1	72,500	80,800*	55.3	388.5	63,400	103,500*	60.0	394.5	54,300	125,600*	140
145	48.0	375.7	68,900	77,400*	53.3	384.8	60,200	99,400*	58.1	391.4	51,400	122,000*	145
150	45.8	370.9	65,600	74,200*	51.2	380.8	57,200	95,500*	56.2	388.1	48,700	118,200*	150
155	43.4	365.6	62,500	71,200*	49.1	376.5	54,400	91,600*	54.2	384.5	46,200	114,300*	155
160	41.0	360.0	59,600	68,300*	46.8	371.8	51,700	87,900*	52.1	380.7	43,900	110,400*	160
165	38.4	353.7	56,800	65,700*	44.6	366.8	49,300	84,300*	50.0	376.5	41,700	106,400*	165
170	35.7	346.9	54,200	63,300*	42.2	361.4	46,900	80,900*	47.9	372.0	39,600	102,400*	170
175	32.7	339.3	51,800	61,100*	39.6	355.4	44,700	77,700*	45.6	367.2	37,700	98,600*	175
180	29.5	330.8	49,500	59,100*	37.0	348.9	42,700	74,700*	43.3	361.9	35,800	94,800*	180
185	25.9	320.9	47,300	57,400*	34.2	341.7	40,700	71,900*	40.8	356.2	34,100	91,100*	185
190	21.8	309.1	45,200	56,100*	31.1	333.6	38,800	69,300*	38.2	350.0	32,400	87,600*	190
195	16.7	294.1	43,100	55,100*	27.7	324.4	37,000	67,000*	35.5	343.1	30,800	84,300*	195
200	8.9	270.5	41,000	55,100*	23.9	313.7	35,300	64,900*	32.5	335.4	29,300	81,000*	200
205					19.3	300.5	33,600	63,300*	29.3	326.8	27,900	78,100*	205
210					13.2	282.4	32,000	62,200*	25.7	316.8	26,500	75,400*	210
215									21.5	304.9	25,100	73,100*	215
220									16.3	289.6	23,800	71,100*	220
225									8.1	264.6	22,400	69,500*	225
230													230
235													235
240													240
245													245
250													250
255													255
260													260
265													265
270													270
275													275
280													280
285													285

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

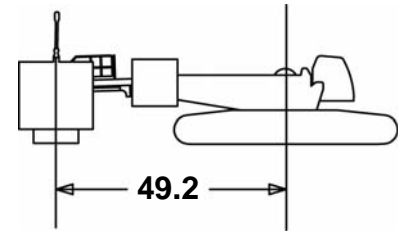
236.2 ft Boom, 177.2 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
140												140
145												145
150												150
155	62.0	392.8	32,800	107,600								155
160	60.1	389.9	30,900	103,300								160
165	58.2	386.8	29,100	99,300								165
170	56.2	383.5	27,500	95,500								170
175	54.3	379.9	25,900	92,000								175
180	52.2	376.1	24,400	88,700								180
185	50.1	371.9	23,000	85,500								185
190	47.9	367.5	21,700	82,600	56.1	376.8	11,100	74,500				190
195	45.7	362.6	20,400	79,800	54.1	373.2	10,100	71,900				195
200	43.4	357.4	19,200	77,100	52.1	369.3	9,200	69,500				200
205	40.9	351.7	18,100	74,600	50.0	365.2	8,400	67,200				205
210	38.3	345.5	17,000	72,200	47.8	360.7	7,500	65,000				210
215	35.6	338.6	15,900	69,900	45.6	355.8	6,700	62,900				215
220	32.6	331.0	14,900	67,700	43.2	350.6	6,000	60,900	51.7	360.4	54,200	220
225	29.4	322.4	13,900	65,600	40.8	344.9	5,200	59,000	49.6	356.2	52,400	225
230	25.8	312.5	13,000	63,600	38.2	338.6	4,500	57,100	47.4	351.6	50,800	230
235	21.7	300.7	12,000	61,600	35.4	331.7	3,800	55,400	45.1	346.7	49,200	235
240	16.5	285.5	11,100	59,800	32.5	324.0	3,200	53,700	42.8	341.4	47,600	240
245	8.5	261.4	10,100	57,900	29.2	315.4	2,500	52,100	40.3	335.5	46,200	245
250					25.6	305.4	1,900	50,500	37.7	329.2	44,800	250
255					21.4	293.4		49,000	34.9	322.1	43,400	255
260					16.2	278.0		47,500	31.9	314.3	42,100	260
265					7.8	252.6		46,000	28.6	305.4	40,800	265
270									24.9	295.1	39,600	270
275									20.5	282.7	38,400	275
280									15.0	266.2	37,200	280
285									4.5	234.2	35,900	285



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



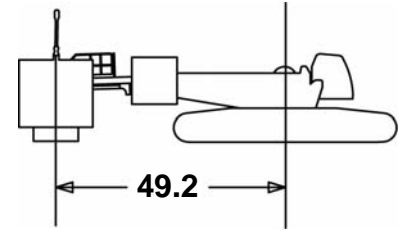
**16000 MAX-ER**

236.2 ft Boom, 196.9 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
155	49.3	393.2	61,000	68,200*	53.9	401.9	52,700	87,600*	58.3	408.4	44,300	107,000*	155
160	47.3	388.6	58,100	65,600*	52.1	398.0	50,000	84,400*	56.5	405.1	42,000	104,000*	160
165	45.2	383.7	55,400	63,000*	50.2	393.9	47,600	81,200*	54.7	401.6	39,800	100,900*	165
170	43.1	378.4	52,800	60,600*	48.2	389.5	45,300	78,100*	52.9	397.8	37,800	97,800*	170
175	40.9	372.7	50,400	58,400*	46.2	384.7	43,100	75,200*	51.0	393.8	35,800	94,600*	175
180	38.6	366.5	48,100	56,300*	44.1	379.6	41,100	72,300*	49.1	389.5	34,000	91,400*	180
185	36.2	359.8	46,000	54,400*	42.0	374.1	39,100	69,600*	47.1	384.9	32,300	88,200*	185
190	33.6	352.4	43,900	52,600*	39.7	368.2	37,300	67,000*	45.1	380.0	30,600	85,100*	190
195	30.8	344.2	42,000	50,900*	37.3	361.7	35,600	64,600*	43.0	374.7	29,100	82,000*	195
200	27.7	335.0	40,100	49,500*	34.8	354.7	33,900	62,300*	40.8	369.0	27,600	79,100*	200
205	24.3	324.5	38,300	48,300*	32.1	346.9	32,300	60,200*	38.4	362.7	26,200	76,200*	205
210	20.4	311.8	36,600	47,300*	29.2	338.2	30,800	58,200*	36.0	356.0	24,900	73,400*	210
215	15.4	295.6	34,900	46,700*	26.0	328.3	29,300	56,400*	33.4	348.5	23,600	70,800*	215
220	7.7	269.4	33,200	46,700*	22.3	316.8	27,900	54,900*	30.6	340.3	22,300	68,400*	220
225					18.0	302.6	26,500	53,700*	27.5	331.0	21,100	66,200*	225
230					12.0	282.9	25,100	53,100*	24.1	320.3	20,000	64,100*	230
235									20.1	307.5	18,900	62,300*	235
240									15.0	291.0	17,700	60,800*	240
245									6.8	263.0	16,500	57,600*	245
250													250
255													255
260													260
265													265
270													270
275													275
280													280
285													285
290													290
295													295
300													300
305													305

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

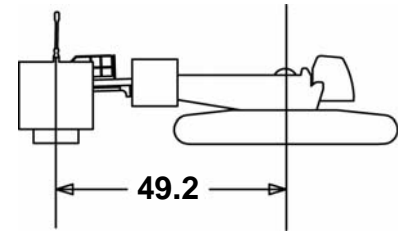
236.2 ft Boom, 196.9 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
155												155
160												160
165	61.7	409.7	26,900	97,500								165
170	60.0	406.9	25,300	93,700								170
175	58.3	403.8	23,700	90,200								175
180	56.6	400.5	22,300	86,900								180
185	54.8	397.0	20,900	83,800								185
190	53.0	393.2	19,600	80,900								190
195	51.1	389.2	18,400	78,100								195
200	49.2	385.0	17,200	75,500	56.5	393.8	6,900	67,600				200
205	47.2	380.4	16,100	73,000	54.7	390.3	6,100	65,300				205
210	45.2	375.4	15,000	70,600	52.9	386.5	5,300	63,200				210
215	43.1	370.1	14,000	68,300	51.0	382.5	4,500	61,100				215
220	40.9	364.4	13,000	66,100	49.1	378.2	3,800	59,100				220
225	38.5	358.2	12,100	64,100	47.1	373.6	3,100	57,200				225
230	36.1	351.5	11,200	62,100	45.1	368.6	2,400	55,400	52.5	377.6	48,900	230
235	33.5	344.1	10,300	60,200	42.9	363.3	1,700	53,700	50.6	373.5	47,300	235
240	30.7	335.9	9,500	58,400	40.7	357.6		52,000	48.7	369.2	45,800	240
245	27.6	326.7	8,600	56,700	38.4	351.4		50,500	46.7	364.5	44,400	245
250	24.2	316.0	7,800	55,000	35.9	344.6		48,900	44.7	359.5	43,000	250
255	20.2	303.3	7,000	53,300	33.3	337.2		47,500	42.5	354.1	41,600	255
260	15.3	287.0	6,200	51,700	30.5	328.9		46,000	40.3	348.3	40,400	260
265	7.3	260.0	5,300	50,100	27.4	319.6		44,700	37.9	342.0	39,100	265
270					24.0	308.8		43,400	35.5	335.1	37,900	270
275					20.0	296.0		42,100	32.8	327.5	36,700*	275
280					14.9	279.3		40,800	30.0	319.1	35,500*	280
285					6.5	250.8		39,500	26.8	309.5	34,300*	285
290									23.3	298.4	33,100*	290
295									19.1	285.0	32,000*	295
300									13.7	267.2	30,800*	300
305									1.9	227.0	29,500*	305



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



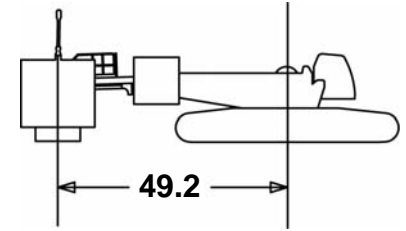
**16000 MAX-ER**

236.2 ft Boom, 216.5 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
165	50.3	410.5	53,800	60,500*	54.4	419.0	45,800	77,500*	58.4	425.4	37,900	94,000*	165
170	48.5	406.2	51,200	58,300*	52.8	415.2	43,500	74,800*	56.8	422.1	35,800	91,700*	170
175	46.7	401.5	48,800	56,100*	51.1	411.2	41,300	72,200*	55.2	418.6	33,900	89,200*	175
180	44.8	396.5	46,500	54,100*	49.3	406.9	39,300	69,700*	53.5	415.0	32,100	86,700*	180
185	42.9	391.2	44,400	52,200*	47.5	402.4	37,400	67,300*	51.9	411.1	30,400	84,200*	185
190	40.9	385.5	42,400	50,400*	45.7	397.5	35,600	64,900*	50.1	406.9	28,800	81,600*	190
195	38.8	379.3	40,400	48,700*	43.8	392.4	33,800	62,600*	48.4	402.5	27,200	79,000*	195
200	36.6	372.7	38,600	47,200*	41.8	386.9	32,200	60,400*	46.6	397.8	25,800	76,500*	200
205	34.3	365.5	36,900	45,700*	39.8	380.9	30,600	58,400*	44.7	392.8	24,400	74,000*	205
210	31.8	357.5	35,200	44,400*	37.6	374.5	29,100	56,400*	42.7	387.4	23,000	71,500*	210
215	29.1	348.8	33,600	43,200*	35.4	367.6	27,700	54,500*	40.7	381.7	21,800	69,100*	215
220	26.2	339.0	32,100	42,100*	33.0	360.0	26,300	52,800*	38.6	375.5	20,600	66,800*	220
225	22.9	327.7	30,600	41,200*	30.4	351.7	25,000	51,200*	36.4	368.9	19,400	64,600*	225
230	19.1	314.2	29,100	40,500*	27.6	342.5	23,800	49,700*	34.1	361.6	18,300	62,500*	230
235	14.3	296.8	27,700	40,200*	24.5	331.9	22,500	48,300*	31.6	353.6	17,200	60,500*	235
240	6.5	267.6	26,200	40,200*	21.0	319.6	21,300	47,200*	28.9	344.8	16,200	58,600*	240
245					16.8	304.4	20,200	46,400*	26.0	334.9	15,200	56,800*	245
250					11.0	283.1	19,000	45,900*	22.7	323.5	14,200	55,300*	250
255									18.8	309.8	13,200	53,900*	255
260									13.9	292.0	12,300	52,800*	260
265									5.5	260.6	11,200	47,300*	265
270													270
275													275
280													280
285													285
290													290
295													295
300													300
305													305
310													310
315													315
320													320

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



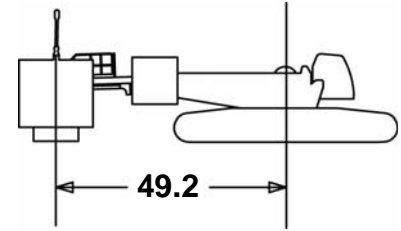
## 16000 MAX-ER

236.2 ft Boom, 216.5 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
165												165
170												170
175	61.5	426.7	21,600	87,300*								175
180	60.0	423.8	20,200	85,200								180
185	58.4	420.7	18,800	82,100								185
190	56.8	417.5	17,500	79,200								190
195	55.2	414.0	16,300	76,400								195
200	53.6	410.4	15,100	73,800								200
205	51.9	406.5	14,000	71,300								205
210	50.2	402.3	13,000	68,900	56.8	410.8	3,100	61,400				210
215	48.4	397.9	12,000	66,700	55.1	407.4	2,300	59,300				215
220	46.6	393.2	11,000	64,500	53.5	403.7	1,600	57,300				220
225	44.8	388.2	10,100	62,500	51.8	399.8		55,500				225
230	42.8	382.9	9,200	60,500	50.1	395.6		53,700				230
235	40.8	377.2	8,400	58,700	48.3	391.2		52,000				235
240	38.7	371.0	7,500	56,900	46.5	386.5		50,300				240
245	36.5	364.4	6,800	55,100	44.6	381.5		48,800	51.5	390.8	42,500*	245
250	34.2	357.1	6,000	53,500	42.7	376.1		47,300	49.8	386.6	41,000*	250
255	31.7	349.2	5,300	51,900	40.7	370.3		45,800	48.0	382.1	39,600*	255
260	29.0	340.5	4,600	50,400	38.6	364.2		44,400	46.2	377.4	38,200*	260
265	26.1	330.6	3,900	48,900	36.4	357.5		43,100	44.3	372.3	36,900*	265
270	22.8	319.2	3,200	47,500	34.0	350.2		41,800	42.3	366.9	35,600*	270
275	19.0	305.7	2,500	46,100	31.5	342.2		40,500	40.3	361.0	34,400*	275
280	14.2	288.1	1,800	44,700	28.9	333.4		39,300	38.2	354.8	33,200*	280
285	6.1	258.0		43,300	25.9	323.5		38,200	35.9	348.0	32,100*	285
290					22.6	312.0		37,000	33.6	340.6	30,900*	290
295					18.7	298.3		35,900	31.1	332.5	29,900*	295
300					13.8	280.4		34,800	28.3	323.5	28,800*	300
305					5.2	248.1		33,600	25.3	313.3	27,800*	305
310									21.9	301.5	26,700*	310
315									17.9	287.1	25,700*	315
320									12.7	268.0	24,700*	320

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
with 98.4 ft Mast No. 59A  
332,000 lb Crane Counterweight  
120,000 lb Carbody Counterweight  
137,850 lb Hanging Counterweight  
at 49.2 ft Position  
360 Degree Rating



## 16000 MAX-ER

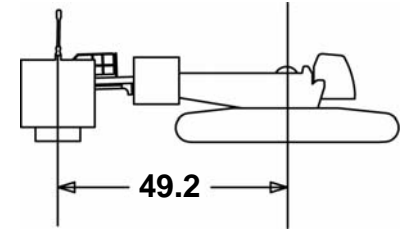
236.2 ft Boom, 236.2 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
170	52.6	431.9	49,700	55,600*	56.3	439.6	41,800	70,600*	59.9	445.4	33,900	81,300*	170
175	51.1	427.9	47,300	53,700*	54.9	436.1	39,700	68,500*	58.5	442.3	32,000	81,300*	175
180	49.5	423.6	45,100	51,800*	53.4	432.4	37,600	66,400*	57.0	439.1	30,200	80,700*	180
185	47.9	419.1	42,900	50,000*	51.8	428.4	35,700	64,300*	55.5	435.7	28,500	78,800*	185
190	46.2	414.4	40,900	48,300*	50.2	424.3	33,900	62,200*	54.0	432.1	26,900	76,800*	190
195	44.5	409.3	39,000	46,700*	48.6	419.9	32,200	60,200*	52.5	428.3	25,400	74,800*	195
200	42.7	403.9	37,200	45,200*	47.0	415.3	30,600	58,200*	51.0	424.2	24,000	72,700*	200
205	40.8	398.2	35,400	43,700*	45.3	410.4	29,000	56,300*	49.4	420.0	22,600	70,700*	205
210	38.9	392.1	33,800	42,400*	43.5	405.2	27,500	54,500*	47.7	415.5	21,300	68,600*	210
215	36.9	385.5	32,200	41,100*	41.7	399.6	26,100	52,700*	46.1	410.7	20,100	66,600*	215
220	34.8	378.4	30,700	39,900*	39.8	393.7	24,800	51,000*	44.3	405.6	18,900	64,600*	220
225	32.6	370.7	29,300	38,800*	37.9	387.3	23,500	49,400*	42.5	400.2	17,700	62,600*	225
230	30.2	362.3	27,900	37,800*	35.8	380.5	22,300	47,900*	40.7	394.5	16,600	60,700*	230
235	27.7	353.1	26,600	36,800*	33.7	373.1	21,100	46,400*	38.8	388.3	15,600	58,700*	235
240	24.8	342.6	25,300	36,000*	31.4	365.1	19,900	45,100*	36.8	381.7	14,600	56,900*	240
245	21.7	330.6	24,000	35,400*	28.9	356.2	18,800	43,800*	34.7	374.6	13,600	55,200*	245
250	18.0	316.3	22,800	34,900*	26.2	346.4	17,800	42,700*	32.4	366.9	12,700	53,600*	250
255	13.3	297.7	21,600	34,700*	23.2	335.2	16,700	41,700*	30.0	358.4	11,800	52,000*	255
260	5.3	265.1	20,300	34,700*	19.9	322.1	15,700	40,800*	27.5	349.0	10,900	50,500*	260
265					15.7	306.0	14,700	40,200*	24.6	338.5	10,000	49,200*	265
270					10.0	282.9	13,700	40,000*	21.5	326.4	9,200	47,900*	270
275									17.7	311.9	8,400	46,900*	275
280									13.0	292.9	7,500	45,700*	280
285									4.2	257.0	6,600	38,500*	285
290													290
295													295
300													300
305													305
310													310
315													315
320													320
325													325
330													330
335													335
340													340



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

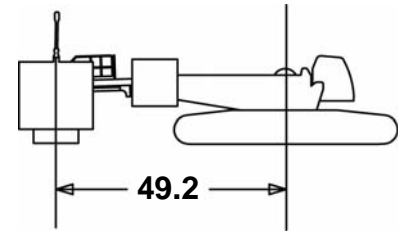
### 236.2 ft Boom, 236.2 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
170											170
175											175
180	62.7	446.4	18,000	74,500*							180
185	61.3	443.7	16,700	74,500*							185
190	59.9	440.8	15,400	74,500*							190
195	58.5	437.7	14,200	74,500*							195
200	57.1	434.5	13,100	72,100							200
205	55.6	431.1	12,000	69,700							205
210	54.1	427.5	11,000	67,300							210
215	52.6	423.7	10,000	65,100							215
220	51.0	419.6	9,000	62,900	57.0	427.8	55,600				220
225	49.4	415.4	8,100	60,900	55.5	424.4	53,700				225
230	47.8	410.9	7,300	59,000	54.0	420.8	52,000				230
235	46.1	406.1	6,500	57,100	52.5	417.0	50,300				235
240	44.4	401.0	5,700	55,300	50.9	412.9	48,600				240
245	42.6	395.7	4,900	53,600	49.3	408.6	47,100				245
250	40.8	389.9	4,200	52,000	47.7	404.1	45,600				250
255	38.9	383.8	3,500	50,400	46.0	399.3	44,200	52.2	408.0	37,200*	255
260	36.8	377.2	2,800	48,900	44.3	394.3	42,800	50.6	404.0	35,800*	260
265	34.7	370.1	2,100	47,500	42.5	388.9	41,500	49.0	399.6	34,500*	265
270	32.5	362.4	1,500	46,100	40.7	383.1	40,200	47.4	395.1	33,300*	270
275	30.1	354.0		44,700	38.7	376.9	39,000	45.7	390.2	32,100*	275
280	27.6	344.7		43,400	36.7	370.3	37,800	44.0	385.1	30,900*	280
285	24.8	334.2		42,100	34.6	363.2	36,700	42.2	379.6	29,800*	285
290	21.6	322.2		40,900	32.4	355.5	35,500	40.3	373.8	28,700*	290
295	17.9	307.7		39,700	30.0	347.0	34,400*	38.4	367.5	27,600*	295
300	13.2	289.0		38,500	27.4	337.6	33,300*	36.3	360.9	26,600*	300
305	4.9	255.1		37,300	24.6	327.1	32,200*	34.2	353.6	25,600*	305
310					21.4	314.9	31,000*	31.9	345.7	24,600*	310
315					17.7	300.3	30,000*	29.5	337.1	23,700*	315
320					12.8	281.1	28,900*	26.9	327.5	22,800*	320
325					3.7	244.0	27,700*	24.0	316.7	21,900*	325
330								20.7	304.2	21,000*	330
335								16.9	289.0	20,100*	335
340								11.7	268.4	19,200*	340



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



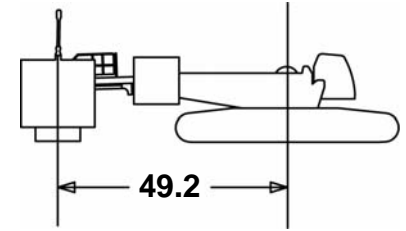
**16000 MAX-ER**

236.2 ft Boom, 255.9 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
180	53.2	449.0	43,700	49,200*	56.6	456.6	36,100	62,300*	59.8	462.4	28,600	70,000*	180
185	51.8	445.1	41,500	47,600*	55.2	453.1	34,200	60,600*	58.5	459.3	26,900	70,000*	185
190	50.3	441.0	39,500	46,000*	53.8	449.5	32,400	58,800*	57.2	456.1	25,300	70,000*	190
195	48.8	436.6	37,600	44,600*	52.4	445.6	30,700	57,100*	55.9	452.7	23,800	69,600*	195
200	47.3	432.0	35,800	43,100*	51.0	441.6	29,100	55,400*	54.5	449.2	22,400	68,000*	200
205	45.7	427.2	34,100	41,800*	49.5	437.4	27,500	53,800*	53.1	445.4	21,000	66,500*	205
210	44.1	422.1	32,500	40,500*	48.0	432.9	26,100	52,100*	51.7	441.5	19,700	64,800*	210
215	42.5	416.7	30,900	39,200*	46.5	428.2	24,700	50,500*	50.2	437.3	18,500	63,100*	215
220	40.8	410.9	29,400	38,000*	44.9	423.2	23,400	49,000*	48.7	433.0	17,300	61,400*	220
225	39.0	404.8	28,000	36,900*	43.3	417.9	22,100	47,500*	47.2	428.4	16,200	59,800*	225
230	37.2	398.3	26,600	35,900*	41.6	412.4	20,900	46,100*	45.6	423.5	15,100	58,100*	230
235	35.3	391.4	25,300	34,900*	39.9	406.4	19,700	44,700*	44.0	418.4	14,100	56,500*	235
240	33.2	383.9	24,100	34,000*	38.1	400.1	18,600	43,400*	42.4	413.0	13,100	54,800*	240
245	31.1	375.7	22,800	33,100*	36.2	393.4	17,500	42,100*	40.7	407.2	12,100	53,300*	245
250	28.8	366.8	21,700	32,400*	34.2	386.1	16,400	41,000*	38.9	401.1	11,200	51,800*	250
255	26.4	357.0	20,600	31,700*	32.1	378.3	15,400	39,800*	37.1	394.5	10,300	50,300*	255
260	23.7	346.0	19,500	31,100*	29.9	369.8	14,500	38,800*	35.1	387.5	9,500	48,900*	260
265	20.6	333.4	18,400	30,600*	27.6	360.5	13,500	37,800*	33.1	380.0	8,600	47,500*	265
270	17.0	318.2	17,300	30,300*	25.0	350.1	12,600	37,000*	31.0	371.8	7,800	46,200*	270
275	12.5	298.4	16,300	30,300*	22.1	338.3	11,700	36,200*	28.7	362.9	7,100	45,000*	275
280	4.1	261.4	15,100	28,400*	18.8	324.5	10,900	35,600*	26.2	353.0	6,300	43,900*	280
285					14.8	307.3	10,000	35,200*	23.5	341.9	5,600	42,800*	285
290					9.1	282.5	9,100	33,700*	20.4	329.1	4,900	41,900*	290
295									16.8	313.7	4,100	41,100*	295
300									12.1	293.4	3,400	37,700*	300
305									2.5	250.8	2,500	30,800*	305
310													310
315													315
320													320
325													325
330													330
335													335
340													340
345													345
350													350
355													355
360													360

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

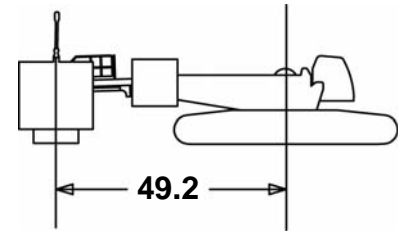
### 236.2 ft Boom, 255.9 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
180											180
185											185
190	62.5	463.4	13,600	64,000*							190
195	61.2	460.6	12,400	64,000*							195
200	59.9	457.7	11,300	64,000*							200
205	58.6	454.7	10,200	64,000*							205
210	57.3	451.5	9,200	64,000*							210
215	55.9	448.1	8,200	63,700							215
220	54.5	444.6	7,300	61,500							220
225	53.1	440.8	6,400	59,500							225
230	51.7	436.9	5,600	57,600	57.2	444.8	50,500				230
235	50.3	432.8	4,800	55,700	55.8	441.4	48,800				235
240	48.8	428.4	4,000	54,000	54.5	437.9	47,200				240
245	47.3	423.8	3,200	52,300	53.1	434.1	45,600				245
250	45.7	419.0	2,500	50,700	51.6	430.2	44,200				250
255	44.1	413.9	1,800	49,100	50.2	426.0	42,700				255
260	42.4	408.4		47,600	48.7	421.6	41,400				260
265	40.7	402.7		46,200	47.2	417.0	40,100	52.8	425.2	32,500*	265
270	39.0	396.6		44,800	45.6	412.2	38,800	51.4	421.2	31,200*	270
275	37.1	390.0		43,500	44.0	407.0	37,600*	49.9	417.0	30,000*	275
280	35.2	383.0		42,200	42.3	401.6	36,300*	48.4	412.6	28,900*	280
285	33.2	375.5		40,900	40.6	395.8	35,000*	46.9	408.0	27,800*	285
290	31.0	367.4		39,700	38.9	389.7	33,800*	45.3	403.1	26,700*	290
295	28.8	358.5		38,500	37.0	383.1	32,600*	43.7	397.9	25,700*	295
300	26.3	348.6		37,400	35.1	376.1	31,500*	42.0	392.4	24,700*	300
305	23.6	337.6		36,300	33.1	368.6	30,400*	40.3	386.5	23,700*	305
310	20.5	324.9		35,200	30.9	360.4	29,300*	38.5	380.3	22,700*	310
315	16.9	309.6		34,200	28.6	351.4	28,300*	36.7	373.7	21,800*	315
320	12.3	289.6		33,200	26.1	341.5	27,300*	34.7	366.6	20,900*	320
325	3.5	250.6		32,000	23.4	330.4	26,300*	32.7	358.9	20,100*	325
330					20.3	317.6	25,300*	30.5	350.6	19,200*	330
335					16.7	302.1	24,300*	28.2	341.5	18,400*	335
340					12.0	281.6	23,400*	25.6	331.4	17,600*	340
345					1.5	235.2	22,300*	22.9	320.0	16,800*	345
350								19.7	306.7	16,000*	350
355								15.9	290.6	15,200*	355
360								10.8	268.6	14,400*	360



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

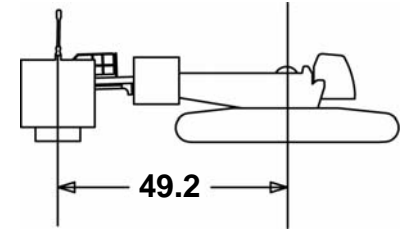
236.2 ft Boom, 275.6 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
185	54.9	469.8	39,900	44,900*	58.0	476.8	32,400	56,300*	61.0	482.2	24,900	59,500*	185
190	53.6	466.1	37,900	43,600*	56.8	473.6	30,600	54,900*	59.8	479.3	23,300	59,400*	190
195	52.3	462.3	36,000	42,300*	55.5	470.1	28,900	53,500*	58.6	476.3	21,800	59,300*	195
200	51.0	458.3	34,200	41,000*	54.3	466.5	27,300	52,100*	57.4	473.1	20,400	59,200*	200
205	49.6	454.0	32,400	39,800*	53.0	462.8	25,700	50,700*	56.1	469.7	19,100	59,100*	205
210	48.3	449.6	30,800	38,600*	51.6	458.9	24,300	49,400*	54.9	466.2	17,800	59,000*	210
215	46.8	444.9	29,300	37,400*	50.3	454.7	22,900	48,000*	53.6	462.5	16,500	58,600*	215
220	45.4	440.0	27,800	36,300*	48.9	450.4	21,600	46,700*	52.2	458.7	15,400	57,400*	220
225	43.9	434.9	26,400	35,300*	47.5	445.8	20,300	45,400*	50.9	454.6	14,300	56,100*	225
230	42.3	429.4	25,000	34,200*	46.1	441.0	19,100	44,100*	49.5	450.4	13,200	54,800*	230
235	40.8	423.7	23,700	33,300*	44.6	436.0	17,900	42,900*	48.2	446.0	12,200	53,500*	235
240	39.1	417.6	22,500	32,400*	43.1	430.7	16,800	41,700*	46.7	441.3	11,200	52,200*	240
245	37.4	411.1	21,300	31,500*	41.5	425.1	15,800	40,500*	45.3	436.4	10,300	50,800*	245
250	35.7	404.2	20,100	30,700*	39.9	419.2	14,700	39,400*	43.8	431.2	9,300	49,500*	250
255	33.8	396.9	19,000	29,900*	38.2	412.9	13,700	38,300*	42.2	425.7	8,500	48,300*	255
260	31.9	389.0	18,000	29,200*	36.5	406.2	12,800	37,300*	40.7	419.9	7,600	47,000*	260
265	29.8	380.4	16,900	28,600*	34.7	399.1	11,900	36,300*	39.0	413.8	6,800	45,800*	265
270	27.6	371.1	15,900	28,000*	32.8	391.5	11,000	35,300*	37.3	407.3	6,100	44,600*	270
275	25.2	360.8	15,000	27,500*	30.8	383.2	10,100	34,500*	35.5	400.4	5,300	43,500*	275
280	22.6	349.2	14,000	27,000*	28.7	374.3	9,300	33,700*	33.7	393.0	4,600	42,400*	280
285	19.6	335.9	13,100	26,700*	26.4	364.5	8,500	33,000*	31.7	385.1	3,900	41,300*	285
290	16.1	319.9	12,200	26,500*	23.9	353.5	7,700	32,300*	29.7	376.5	3,200	40,300*	290
295	11.6	298.8	11,300	26,500*	21.1	341.1	6,900	31,700*	27.4	367.1	2,500	39,300*	295
300	2.5	255.2	10,200	21,500*	17.9	326.5	6,200	31,300*	25.0	356.7	1,900	38,400*	300
305					14.0	308.4	5,400	31,000*	22.4	345.0		37,300*	305
310					8.3	281.7	4,600	26,900*	19.4	331.5		35,800*	310
315									15.9	315.3		34,300*	315
320									11.3	293.7		30,600*	320
325													325
330													330
335													335
340													340
345													345
350													350
355													355
360													360
365													365
370													370
375													375
380													380



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

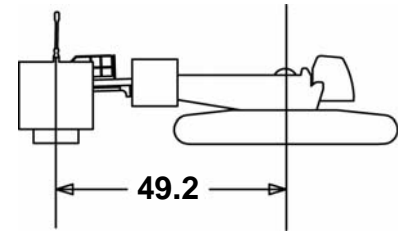
236.2 ft Boom, 275.6 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
185											185
190											190
195											195
200	62.3	480.3	9,100	54,400*							200
205	61.1	477.6	8,000	54,400*							205
210	59.9	474.7	7,000	54,400*							210
215	58.7	471.6	6,100	54,400*							215
220	57.4	468.5	5,100	54,400*							220
225	56.2	465.1	4,300	54,400*							225
230	54.9	461.6	3,400	54,400*							230
235	53.6	457.9	2,600	54,100							235
240	52.3	454.1	1,900	52,300	57.3	461.8	45,300				240
245	51.0	450.1		50,600	56.1	458.4	43,800				245
250	49.6	445.8		49,000	54.8	454.9	42,300*				250
255	48.2	441.4		47,500	53.5	451.2	40,800*				255
260	46.8	436.7		46,000	52.2	447.4	39,300*				260
265	45.3	431.8		44,600	50.9	443.3	37,900*				265
270	43.8	426.6		43,200	49.5	439.1	36,500*				270
275	42.3	421.2		41,900	48.1	434.6	35,200*				275
280	40.7	415.4		40,600	46.7	429.9	33,900*	52.0	438.5	26,400*	280
285	39.1	409.3		39,300	45.2	425.0	32,700*	50.6	434.4	25,300*	285
290	37.4	402.9		38,200	43.7	419.8	31,500*	49.3	430.1	24,200*	290
295	35.6	396.0		37,000	42.2	414.4	30,300*	47.9	425.6	23,200*	295
300	33.7	388.6		35,900	40.6	408.6	29,200*	46.4	420.9	22,200*	300
305	31.8	380.6		34,800	39.0	402.5	28,100*	45.0	415.9	21,300*	305
310	29.7	372.1		33,800	37.3	396.0	27,100*	43.5	410.6	20,300*	310
315	27.5	362.7		32,800	35.5	389.0	26,100*	41.9	405.1	19,400*	315
320	25.1	352.4		31,800	33.6	381.6	25,100*	40.3	399.3	18,600*	320
325	22.5	340.7		30,700*	31.7	373.7	24,100*	38.7	393.1	17,700*	325
330	19.5	327.4		29,600*	29.6	365.0	23,200*	36.9	386.5	16,900*	330
335	16.0	311.2		28,600*	27.4	355.6	22,300*	35.2	379.5	16,100*	335
340	11.5	290.0		27,500*	25.0	345.2	21,400*	33.3	372.0	15,300*	340
345	1.1	240.6		26,300*	22.3	333.5	20,500*	31.3	363.9	14,500*	345
350					19.3	320.0	19,700*	29.2	355.2	13,800*	350
355					15.8	303.7	18,800*	27.0	345.6	13,100*	355
360					11.2	281.9	17,900*	24.5	335.0	12,300*	360
365								21.8	323.0	11,600*	365
370								18.7	309.0	10,900*	370
375								15.0	292.0	10,200*	375
380								10.0	268.4	9,500*	380



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



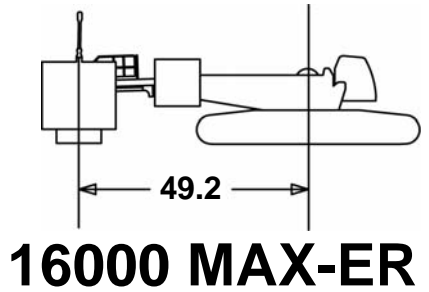
**16000 MAX-ER**

255.9 ft Boom, 78.7 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
80	48.6	322.7	157,900	175,600*	60.8	331.4	141,400	215,700*b					80
85	43.3	317.5	146,300	166,700*	56.5	328.1	130,900	205,800*b	67.6	333.6	115,400	224,000*c	85
90	37.5	311.2	136,000	158,800*	51.9	324.2	121,700	196,000*b	63.6	331.1	107,200	221,700*b	90
95	30.6	303.3	126,800	152,100*	46.9	319.7	113,600	186,400*	59.4	328.2	100,000	212,600*b	95
100	21.8	292.2	118,400	147,400*	41.5	314.2	106,200	177,500*	54.9	324.7	93,500	203,400*b	100
105					35.4	307.4	99,600	169,300*	50.2	320.6	87,700	194,200*b	105
110					28.1	298.7	93,500	160,400*	45.2	315.8	82,400	185,000*	110
115					18.1	285.9	87,800	150,400*	39.6	309.9	77,500	175,500	115
120									33.1	302.6	73,000	166,500	120
125									25.2	292.9	68,800	157,000*	125
130									12.8	276.7	64,600	146,400*	130
135													135
140													140
145													145
150													150
155													155
160													160
165													165
170													170
175													175
180													180
185													185
190													190
195													195

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating

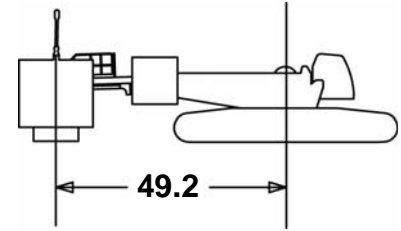


## 255.9 ft Boom, 78.7 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
80													80
85													85
90													90
95													95
100													100
105													105
110													110
115	61.0	324.2	59,400	161,500b									115
120	56.6	321.0	55,900	153,300b									120
125	52.0	317.1	52,700	145,800b									125
130	47.1	312.6	49,700	139,000									130
135	41.7	307.1	46,900	132,600									135
140	35.7	300.4	44,300	126,800	57.8	314.9	30,000	115,800b					140
145	28.4	291.8	41,700	121,300	53.3	311.2	28,200	110,900b					145
150	18.5	279.2	39,300	116,100	48.5	306.9	26,500	106,300					150
155					43.2	301.7	24,900	102,000					155
160					37.4	295.4	23,300	98,000					160
165					30.5	287.4	21,800	94,200					165
170					21.6	276.2	20,300	90,500	49.1	298.6	9,300	82,200b	170
175									43.9	293.6	8,400	79,100	175
180									38.2	287.4	7,500	76,300	180
185									31.5	279.7	6,600	73,500	185
190									23.0	269.2	5,700	70,800	190
195									6.7	247.4	4,500	68,100	195

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
with 98.4 ft Mast No. 59A  
332,000 lb Crane Counterweight  
120,000 lb Carbody Counterweight  
137,850 lb Hanging Counterweight  
at 49.2 ft Position  
360 Degree Rating



## 16000 MAX-ER

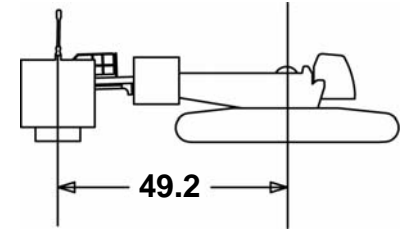
### 255.9 ft Boom, 98.4 ft Luffing Jib

Jib Oper. Rad. Feet	86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
100	42.7	330.2	118,800	132,700*	53.5	341.5	105,600	165,900*	62.8	348.1	92,300	191,900*b	100
105	38.1	324.0	111,500	126,700*	49.7	337.3	99,100	158,100*	59.4	345.1	86,600	185,600*b	105
110	32.9	316.6	104,900	121,400*	45.6	332.5	93,200	150,700*	55.9	341.8	81,300	178,600*	110
115	26.7	307.3	98,800	117,100*	41.3	326.9	87,800	143,700*	52.2	338.0	76,600	171,700*	115
120	18.7	294.4	93,100	114,400*	36.5	320.4	82,900	137,300*	48.3	333.6	72,300	164,700*	120
125					31.0	312.4	78,400	131,700*	44.2	328.5	68,300	157,700	125
130					24.5	302.3	74,100	127,000*	39.7	322.7	64,600	150,300	130
135					15.2	287.2	70,000	124,000*	34.7	315.7	61,100	143,500	135
140									29.0	307.2	57,900	137,100	140
145									21.8	295.9	54,800	129,900*	145
150									10.1	276.4	51,700	121,500*	150
155													155
160													160
165													165
170													170
175													175
180													180
185													185
190													190
195													195
200													200
205													205
210													210



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

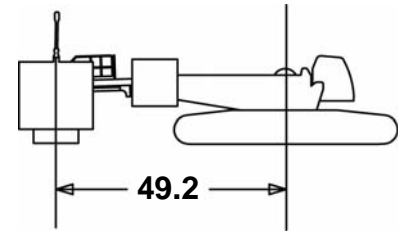
### 255.9 ft Boom, 98.4 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
100													100
105													105
110													110
115													115
120													120
125	60.7	341.2	51,200	144,500 <sup>b</sup>									125
130	57.2	338.0	48,300	137,800									130
135	53.6	334.3	45,600	131,500									135
140	49.8	330.2	43,100	125,800									140
145	45.8	325.4	40,800	120,400									145
150	41.4	319.9	38,600	115,500									150
155	36.7	313.4	36,500	110,800	54.6	328.4	23,300	100,700					155
160	31.2	305.5	34,500	106,400	50.8	324.3	21,900	96,800					160
165	24.7	295.4	32,600	102,300	46.9	319.7	20,500	93,100					165
170	15.6	280.6	30,700	98,400	42.6	314.4	19,200	89,600					170
175					38.0	308.2	18,000	86,300					175
180					32.8	300.8	16,800	83,200	51.3	316.0	5,900	75,000	180
185					26.6	291.4	15,600	80,300	47.4	311.5	5,200	72,300	185
190					18.5	278.4	14,400	77,400	43.2	306.3	4,500	69,800	190
195									38.6	300.2	3,700	67,400	195
200									33.5	293.0	3,000	65,100	200
205									27.5	284.0	2,300	63,000	205
210									19.8	271.6	1,600	60,800	210



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



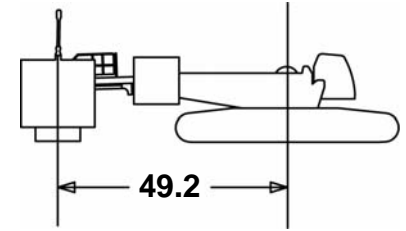
**16000 MAX-ER**

255.9 ft Boom, 118.1 ft Luffing Jib

Jib Oper. Rad. Feet	83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
85	68.5	372.9	128,400	169,400*b					85
90	65.9	370.6	119,300	166,900*b					90
95	63.1	368.1	111,200	160,800*					95
100	60.4	365.3	104,000	154,400*	67.6	370.0	90,300	167,900*b	100
105	57.5	362.1	97,600	148,100*	64.9	367.7	84,600	167,600*b	105
110	54.5	358.6	91,800	141,700*	62.2	365.0	79,400	166,700*	110
115	51.4	354.6	86,500	135,400*	59.4	362.1	74,700	163,900*	115
120	48.2	350.2	81,600	129,300*	56.5	358.8	70,500	158,000*	120
125	44.8	345.3	77,200	123,500*	53.5	355.1	66,500	151,900*	125
130	41.1	339.6	73,100	118,100*	50.4	351.0	62,900	145,800*	130
135	37.2	333.2	69,300	113,000*	47.1	346.5	59,600	139,800*	135
140	32.8	325.7	65,700	108,500*	43.6	341.3	56,500	134,000*	140
145	27.8	316.7	62,400	104,500*	39.8	335.4	53,600	128,400*	145
150	21.7	305.3	59,300	101,300*	35.8	328.7	50,900	123,100*	150
155	13.0	288.0	56,200	99,500*	31.2	320.7	48,300	118,200*	155
160					25.9	311.1	45,900	113,900*	160
165					19.3	298.3	43,500	109,600*	165
170					7.8	275.3	41,100	102,800*	170
175									175
180									180
185									185
190									190
195									195
200									200
205									205
210									210
215									215
220									220
225									225
230									230

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

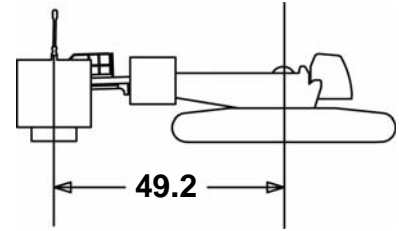
255.9 ft Boom, 118.1 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
85													85
90													90
95													95
100													100
105													105
110													110
115													115
120													120
125													125
130													130
135	60.5	358.1	43,400	129,700									135
140	57.6	355.0	40,900	124,000									140
145	54.6	351.5	38,700	118,700									145
150	51.5	347.5	36,600	113,800									150
155	48.3	343.1	34,600	109,200									155
160	44.9	338.2	32,700	104,900									160
165	41.3	332.6	31,000	100,900	55.4	345.4	18,200	91,200					165
170	37.3	326.2	29,300	97,200	52.4	341.6	17,000	87,800					170
175	33.0	318.8	27,700	93,600	49.2	337.3	15,800	84,600					175
180	28.0	309.8	26,100	90,200	45.8	332.6	14,700	81,500					180
185	22.0	298.5	24,600	87,000	42.3	327.2	13,700	78,700					185
190	13.4	281.5	23,100	83,900	38.4	321.0	12,700	75,900	52.8	333.3	2,000	67,800	190
195					34.2	313.9	11,700	73,400	49.6	329.1		65,500	195
200					29.4	305.4	10,700	70,900	46.3	324.4		63,300	200
205					23.7	294.8	9,800	68,500	42.7	319.1		61,200	205
210					16.2	280.1	8,800	66,200	38.9	313.0		59,200	210
215									34.8	306.0		57,300	215
220									30.1	297.8		55,400	220
225									24.6	287.5		53,700	225
230									17.4	273.6		51,900	230



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



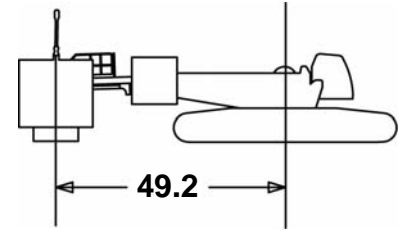
**16000 MAX-ER**

255.9 ft Boom, 137.8 ft Luffing Jib

Jib Oper. Rad. Feet	83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
90	69.5	392.1	118,000	148,500* <sup>b</sup>					90
95	67.3	390.0	110,000	147,600*					95
100	65.0	387.7	102,800	142,900*					100
105	62.6	385.1	96,300	137,900*					105
110	60.2	382.2	90,500	132,700*	66.5	387.1	77,900	146,400*	110
115	57.8	379.1	85,300	127,600*	64.2	384.7	73,200	146,200*	115
120	55.3	375.6	80,400	122,400*	61.8	382.0	69,000	145,700*	120
125	52.6	371.9	76,000	117,300*	59.4	379.1	65,100	142,200*	125
130	49.9	367.7	72,000	112,300*	56.9	375.8	61,500	137,400*	130
135	47.1	363.1	68,200	107,500*	54.4	372.3	58,200	132,500*	135
140	44.2	358.0	64,800	103,000*	51.7	368.4	55,200	127,600*	140
145	41.0	352.4	61,500	98,700*	49.0	364.0	52,300	122,700*	145
150	37.7	346.0	58,500	94,600*	46.1	359.3	49,700	117,800*	150
155	34.0	338.8	55,700	91,000*	43.1	354.0	47,200	113,100*	155
160	30.0	330.5	53,000	87,700*	39.9	348.2	44,900	108,600*	160
165	25.3	320.5	50,500	84,800*	36.5	341.6	42,700	104,300*	165
170	19.6	307.7	48,100	82,600*	32.7	334.0	40,600	100,400*	170
175	11.2	288.2	45,600	81,400*	28.5	325.2	38,600	96,700*	175
180					23.5	314.4	36,700	93,500*	180
185					17.3	300.2	34,800	91,000*	185
190					5.8	273.0	32,800	88,100*	190
195									195
200									200
205									205
210									210
215									215
220									220
225									225
230									230
235									235
240									240
245									245
250									250

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

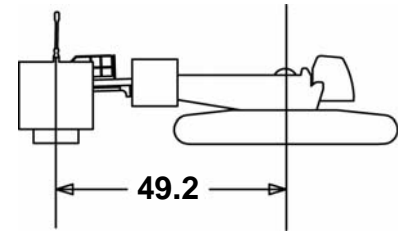
255.9 ft Boom, 137.8 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
90												90
95												95
100												100
105												105
110												110
115												115
120												120
125												125
130												130
135												135
140	62.7	377.9	39,200	122,500								140
145	60.3	375.1	37,000	117,300								145
150	57.9	372.0	34,900	112,400								150
155	55.3	368.5	33,000	107,900								155
160	52.7	364.7	31,200	103,600								160
165	50.0	360.6	29,400	99,700								165
170	47.2	356.0	27,800	96,000								170
175	44.3	351.0	26,300	92,500	56.0	362.5	14,000	83,100				175
180	41.1	345.3	24,900	89,200	53.4	358.8	13,000	80,100				180
185	37.8	339.0	23,500	86,000	50.8	354.7	12,000	77,300				185
190	34.1	331.9	22,200	83,100	48.0	350.3	11,000	74,600				190
195	30.1	323.5	20,900	80,300	45.1	345.4	10,100	72,100				195
200	25.5	313.6	19,700	77,600	42.0	339.9	9,200	69,700				200
205	19.8	301.0	18,400	75,000	38.7	333.8	8,400	67,400	51.1	346.5	59,800	205
210	11.6	281.9	17,200	72,500	35.2	326.9	7,600	65,200	48.4	342.1	57,800	210
215					31.2	318.9	6,800	63,100	45.5	337.2	55,900	215
220					26.8	309.5	6,000	61,100	42.4	331.8	54,100	220
225					21.5	297.7	5,200	59,200	39.1	325.8	52,400	225
230					14.3	281.2	4,400	57,200	35.6	319.0	50,800	230
235									31.8	311.2	49,200	235
240									27.4	302.0	47,700	240
245									22.3	290.6	46,200	245
250									15.5	275.0	44,700	250



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



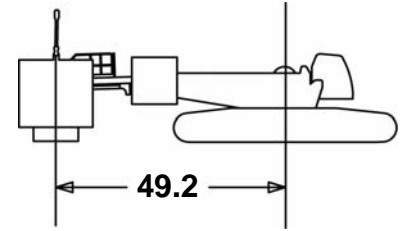
**16000 MAX-ER**

255.9 ft Boom, 157.5 ft Luffing Jib

Jib Oper. Rad. Feet	83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
95	70.2	411.2	108,200	129,400*					95
100	68.3	409.3	101,000	129,100*					100
105	66.3	407.1	94,600	126,800*					105
110	64.3	404.7	88,800	123,000*					110
115	62.2	402.0	83,500	118,900*	67.6	406.4	71,200	127,000*	115
120	60.1	399.2	78,700	114,800*	65.6	404.1	66,900	127,000*	120
125	58.0	396.1	74,300	110,600*	63.6	401.7	63,100	127,000*	125
130	55.8	392.7	70,300	106,500*	61.5	399.0	59,500	126,800*	130
135	53.5	389.0	66,600	102,300*	59.4	396.0	56,300	123,900*	135
140	51.2	385.0	63,200	98,300*	57.3	392.8	53,200	120,000*	140
145	48.8	380.7	60,000	94,300*	55.0	389.3	50,400	116,100*	145
150	46.3	376.0	57,000	90,500*	52.8	385.6	47,800	112,100*	150
155	43.7	370.8	54,200	86,900*	50.4	381.5	45,400	108,100*	155
160	40.9	365.1	51,600	83,500*	48.0	377.0	43,100	104,200*	160
165	38.0	358.9	49,200	80,300*	45.4	372.1	40,900	100,300*	165
170	34.9	351.9	46,800	77,300*	42.8	366.8	38,900	96,500*	170
175	31.5	343.9	44,600	74,600*	40.0	360.9	37,000	92,900*	175
180	27.7	334.8	42,600	72,100*	37.0	354.4	35,200	89,400*	180
185	23.3	323.8	40,600	70,100*	33.8	347.1	33,500	86,200*	185
190	17.9	309.8	38,600	68,500*	30.2	338.8	31,800	83,100*	190
195	9.7	287.9	36,600	67,900*	26.3	329.1	30,200	80,400*	195
200					21.6	317.4	28,700	78,000*	200
205					15.6	301.7	27,200	76,100*	205
210					3.4	268.4	25,400	74,900*	210
215									215
220									220
225									225
230									230
235									235
240									240
245									245
250									250
255									255
260									260
265									265
270									270

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

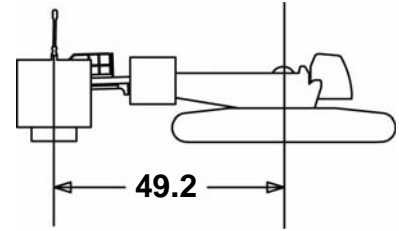
255.9 ft Boom, 157.5 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
95												95
100												100
105												105
110												110
115												115
120												120
125												125
130												130
135												135
140												140
145												145
150	62.3	394.9	32,600	110,500								150
155	60.2	392.0	30,700	106,000								155
160	58.1	388.9	28,900	101,800								160
165	55.9	385.6	27,300	97,900								165
170	53.6	381.9	25,700	94,200								170
175	51.3	377.9	24,200	90,700								175
180	48.9	373.6	22,800	87,500								180
185	46.4	368.9	21,500	84,400	56.5	379.5	9,600	75,400				185
190	43.8	363.7	20,200	81,500	54.2	375.9	8,700	72,700				190
195	41.0	358.1	19,000	78,700	51.9	372.0	7,800	70,200				195
200	38.1	351.8	17,900	76,100	49.5	367.8	7,000	67,900				200
205	35.0	344.8	16,700	73,600	47.1	363.2	6,200	65,600				205
210	31.6	337.0	15,700	71,300	44.5	358.2	5,400	63,500				210
215	27.8	327.8	14,600	69,000	41.8	352.6	4,700	61,400	52.2	363.7	54,000	215
220	23.5	317.0	13,600	66,800	38.9	346.6	4,000	59,500	49.9	359.5	52,200	220
225	18.1	303.1	12,600	64,700	35.9	339.8	3,300	57,600	47.4	355.0	50,500	225
230	10.1	281.7	11,600	62,600	32.5	332.2	2,700	55,800	44.8	350.0	48,900	230
235					28.9	323.4	2,000	54,100	42.1	344.5	47,400	235
240					24.7	313.1		52,400	39.3	338.5	45,900	240
245					19.7	300.2		50,800	36.3	331.9	44,500	245
250					12.8	282.0		49,200	33.0	324.4	43,100	250
255									29.4	315.8	41,800	255
260									25.3	305.7	40,500	260
265									20.4	293.3	39,300	265
270									13.9	276.1	38,000	270



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

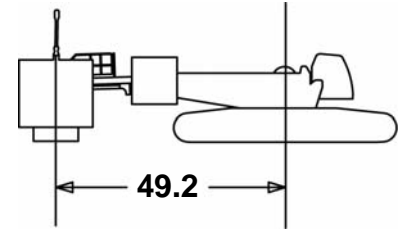
255.9 ft Boom, 177.2 ft Luffing Jib

Jib Oper. Rad. Feet	83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
100	70.8	430.4	99,600	113,400*					100
105	69.1	428.5	93,100	113,300*					105
110	67.3	426.4	87,300	112,800*					110
115	65.6	424.1	82,100	109,900*					115
120	63.8	421.7	77,300	106,700*					120
125	61.9	419.0	72,900	103,400*	66.7	423.5	61,500	111,000*	125
130	60.1	416.1	68,900	100,100*	65.0	421.2	57,900	111,000*	130
135	58.2	413.0	65,200	96,600*	63.1	418.6	54,700	111,000*	135
140	56.2	409.7	61,800	93,200*	61.3	415.9	51,700	110,900*	140
145	54.2	406.1	58,600	89,800*	59.4	413.0	48,900	108,600*	145
150	52.2	402.3	55,700	86,500*	57.5	409.8	46,300	105,500*	150
155	50.1	398.1	52,900	83,200*	55.5	406.4	43,900	102,400*	155
160	47.9	393.6	50,300	80,100*	53.5	402.7	41,600	99,100*	160
165	45.7	388.8	47,900	77,100*	51.5	398.8	39,500	95,900*	165
170	43.3	383.6	45,600	74,200*	49.4	394.5	37,500	92,600*	170
175	40.9	377.9	43,500	71,400*	47.2	389.9	35,600	89,400*	175
180	38.3	371.6	41,400	68,800*	44.9	384.9	33,800	86,300*	180
185	35.5	364.8	39,500	66,400*	42.5	379.5	32,100	83,200*	185
190	32.6	357.1	37,700	64,100*	40.0	373.7	30,500	80,200*	190
195	29.4	348.5	35,900	62,100*	37.4	367.2	29,000	77,400*	195
200	25.8	338.6	34,200	60,300*	34.6	360.1	27,500	74,700*	200
205	21.6	326.7	32,600	58,800*	31.5	352.2	26,100	72,200*	205
210	16.4	311.5	31,000	57,700*	28.2	343.2	24,800	69,900*	210
215	8.3	287.0	29,400	57,400*	24.4	332.7	23,500	67,800*	215
220					20.0	319.9	22,200	66,000*	220
225					14.2	302.8	21,000	64,600*	225
230									230
235									235
240									240
245									245
250									250
255									255
260									260
265									265
270									270
275									275
280									280
285									285
290									290



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

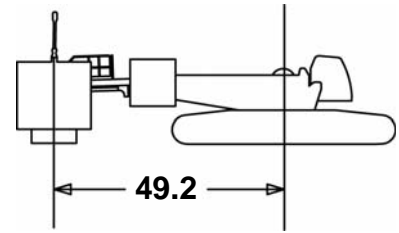
255.9 ft Boom, 177.2 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
100												100
105												105
110												110
115												115
120												120
125												125
130												130
135												135
140												140
145												145
150												150
155												155
160	62.0	411.8	27,200	100,400								160
165	60.1	409.0	25,500	96,500								165
170	58.2	405.9	24,000	92,800								170
175	56.3	402.6	22,500	89,300								175
180	54.3	399.0	21,100	86,100								180
185	52.3	395.2	19,800	83,000								185
190	50.2	391.0	18,600	80,200								190
195	48.0	386.5	17,400	77,400	56.8	396.5	6,000	68,700				195
200	45.7	381.7	16,300	74,800	54.8	393.0	5,200	66,400				200
205	43.4	376.5	15,200	72,400	52.8	389.2	4,400	64,200				205
210	41.0	370.8	14,200	70,000	50.7	385.1	3,700	62,000				210
215	38.4	364.6	13,200	67,800	48.6	380.8	3,000	60,000				215
220	35.6	357.8	12,300	65,700	46.4	376.1	2,300	58,100				220
225	32.7	350.2	11,400	63,600	44.0	370.9	1,700	56,200				225
230	29.5	341.6	10,500	61,700	41.6	365.4		54,500	51.0	376.9	47,400	230
235	25.9	331.7	9,600	59,800	39.1	359.3		52,800	48.9	372.5	45,900	235
240	21.8	319.9	8,800	58,000	36.4	352.7		51,200	46.6	367.9	44,500	240
245	16.6	304.9	7,900	56,200	33.5	345.3		49,600	44.3	362.8	43,100	245
250	8.8	281.1	7,000	54,400	30.4	337.0		48,100	41.9	357.3	41,700	250
255					26.9	327.5		46,700	39.4	351.3	40,500	255
260					22.9	316.3		45,300	36.7	344.7	39,100*	260
265					18.2	302.4		43,900	33.9	337.5	37,800*	265
270					11.5	282.3		42,500	30.8	329.3	36,600*	270
275									27.4	320.0	35,300*	275
280									23.5	309.1	34,100*	280
285									18.8	295.6	32,900*	285
290									12.5	276.7	31,700*	290



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



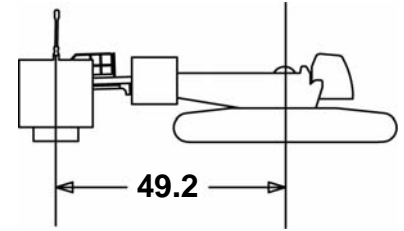
**16000 MAX-ER**

255.9 ft Boom, 196.9 ft Luffing Jib

Jib Oper. Rad. Feet	83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
110	69.7	447.6	85,500	99,100*					110
115	68.2	445.6	80,300	99,000*					115
120	66.6	443.5	75,500	97,800*					120
125	65.0	441.2	71,100	95,400*					125
130	63.3	438.6	67,100	92,800*	67.6	442.8	55,900	96,400*	130
135	61.7	436.0	63,400	90,200*	66.0	440.6	52,600	96,400*	135
140	60.0	433.1	60,000	87,400*	64.4	438.2	49,600	96,400*	140
145	58.3	430.0	56,800	84,700*	62.8	435.6	46,900	96,400*	145
150	56.6	426.7	53,900	81,900*	61.1	432.9	44,300	96,400*	150
155	54.8	423.2	51,200	79,100*	59.4	429.9	41,900	95,400*	155
160	53.0	419.5	48,600	76,400*	57.7	426.8	39,600	92,900*	160
165	51.1	415.5	46,200	73,700*	56.0	423.4	37,500	90,400*	165
170	49.2	411.2	43,900	71,100*	54.2	419.8	35,500	87,700*	170
175	47.2	406.6	41,800	68,500*	52.3	416.0	33,700	85,100*	175
180	45.2	401.6	39,800	66,100*	50.4	411.9	31,900	82,500*	180
185	43.0	396.3	37,900	63,700*	48.5	407.5	30,300	79,800*	185
190	40.8	390.6	36,100	61,500*	46.5	402.8	28,700	77,200*	190
195	38.5	384.4	34,400	59,400*	44.4	397.7	27,200	74,600*	195
200	36.1	377.7	32,700	57,400*	42.3	392.3	25,800	72,100*	200
205	33.5	370.3	31,200	55,600*	40.0	386.4	24,400	69,700*	205
210	30.7	362.0	29,700	53,900*	37.7	380.1	23,100	67,400*	210
215	27.6	352.8	28,300	52,400*	35.2	373.1	21,900	65,200*	215
220	24.2	342.1	26,900	51,000*	32.5	365.4	20,700	63,100*	220
225	20.2	329.4	25,500	49,900*	29.6	356.9	19,500	61,200*	225
230	15.2	312.9	24,200	49,100*	26.5	347.2	18,400	59,400*	230
235	7.1	285.6	22,800	49,100*	22.9	335.9	17,300	57,800*	235
240					18.6	322.2	16,300	56,300*	240
245					13.0	303.6	15,200	55,400*	245
250									250
255									255
260									260
265									265
270									270
275									275
280									280
285									285
290									290
295									295
300									300
305									305
310									310

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

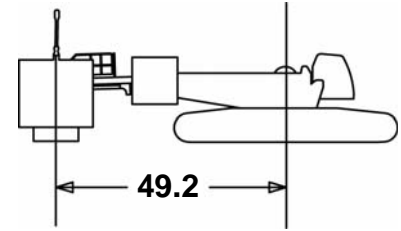
255.9 ft Boom, 196.9 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
110												110
115												115
120												120
125												125
130												130
135												135
140												140
145												145
150												150
155												155
160												160
165												165
170	61.7	428.8	21,700	90,800*								170
175	60.1	425.9	20,300	87,500								175
180	58.4	422.9	18,900	84,300								180
185	56.6	419.6	17,600	81,300								185
190	54.8	416.1	16,400	78,400								190
195	53.0	412.3	15,300	75,700								195
200	51.2	408.3	14,200	73,100								200
205	49.2	404.0	13,100	70,700	57.1	413.5	2,000	62,300				205
210	47.3	399.5	12,100	68,400	55.3	410.0		60,200				210
215	45.2	394.5	11,200	66,200	53.5	406.4		58,200				215
220	43.1	389.3	10,300	64,100	51.7	402.4		56,300				220
225	40.9	383.6	9,400	62,100	49.8	398.2		54,400				225
230	38.6	377.4	8,600	60,100	47.8	393.7		52,700				230
235	36.1	370.7	7,800	58,300	45.8	388.9		51,000				235
240	33.5	363.3	7,000	56,500	43.7	383.7		49,500	51.9	394.1	42,200*	240
245	30.8	355.1	6,200	54,800	41.5	378.1		47,900	50.0	390.0	40,700*	245
250	27.7	345.9	5,500	53,200	39.2	372.1		46,500	48.1	385.5	39,300*	250
255	24.3	335.2	4,800	51,600	36.8	365.5		45,100	46.0	380.7	38,000*	255
260	20.3	322.6	4,100	50,100	34.3	358.3		43,700	44.0	375.6	36,600*	260
265	15.4	306.3	3,300	48,600	31.5	350.4		42,400	41.8	370.0	35,400*	265
270	7.5	279.9	2,500	47,100	28.5	341.4		41,100	39.5	364.1	34,200*	270
275					25.2	331.3		39,900	37.1	357.6	33,000*	275
280					21.5	319.2		38,700	34.6	350.5	31,800*	280
285					16.8	304.2		37,500	31.9	342.6	30,700*	285
290					10.3	282.2		36,300	29.0	333.8	29,600*	290
295									25.7	323.8	28,600*	295
300									22.0	312.1	27,600*	300
305									17.5	297.6	26,500*	305
310									11.4	277.0	25,500*	310



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

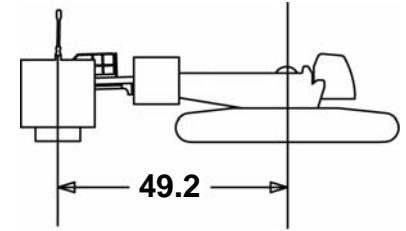
255.9 ft Boom, 216.5 ft Luffing Jib

Jib Oper. Rad. Feet	83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
120	68.8	464.9	73,600	86,600*					120
125	67.4	462.8	69,300	86,500*					125
130	65.9	460.6	65,300	85,100*					130
135	64.5	458.2	61,600	83,100*					135
140	63.0	455.6	58,200	81,000*	66.9	459.9	47,600	84,100*	140
145	61.5	452.9	55,000	78,800*	65.4	457.6	44,800	84,100*	145
150	60.0	450.0	52,100	76,600*	64.0	455.2	42,300	84,100*	150
155	58.4	447.0	49,300	74,400*	62.5	452.6	39,900	84,100*	155
160	56.8	443.7	46,800	72,100*	61.0	449.8	37,600	84,100*	160
165	55.2	440.3	44,400	69,800*	59.4	446.9	35,500	83,800*	165
170	53.6	436.6	42,100	67,600*	57.9	443.7	33,600	81,900*	170
175	51.9	432.7	40,000	65,400*	56.3	440.4	31,700	79,900*	175
180	50.2	428.5	38,000	63,200*	54.7	436.9	30,000	77,800*	180
185	48.4	424.1	36,100	61,100*	53.0	433.1	28,300	75,600*	185
190	46.6	419.5	34,300	59,100*	51.3	429.2	26,800	73,500*	190
195	44.7	414.5	32,600	57,200*	49.6	424.9	25,300	71,300*	195
200	42.8	409.1	31,000	55,300*	47.8	420.4	23,900	69,200*	200
205	40.8	403.4	29,500	53,500*	46.0	415.6	22,500	67,100*	205
210	38.7	397.2	28,000	51,800*	44.1	410.5	21,300	65,000*	210
215	36.5	390.5	26,600	50,100*	42.1	405.0	20,000	63,000*	215
220	34.1	383.3	25,300	48,600*	40.1	399.2	18,900	61,000*	220
225	31.7	375.4	24,000	47,200*	37.9	392.9	17,800	59,200*	225
230	29.0	366.6	22,700	45,900*	35.7	386.0	16,700	57,300*	230
235	26.1	356.7	21,600	44,800*	33.3	378.5	15,600	55,600*	235
240	22.8	345.3	20,400	43,800*	30.8	370.3	14,700	54,000*	240
245	18.9	331.7	19,300	42,900*	28.0	361.2	13,700	52,500*	245
250	14.1	314.0	18,100	42,400*	25.0	350.9	12,800	51,100*	250
255	5.9	283.5	16,900	42,400*	21.5	338.9	11,800	49,800*	255
260					17.4	324.2	10,900	48,800*	260
265					12.0	304.2	10,000	48,100*	265
270									270
275									275
280									280
285									285
290									290
295									295
300									300
305									305
310									310
315									315
320									320
325									325
330									330



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



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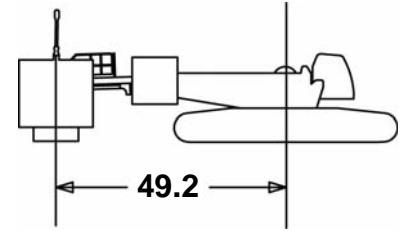
255.9 ft Boom, 216.5 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
120											120
125											125
130											130
135											135
140											140
145											145
150											150
155											155
160											160
165											165
170											170
175											175
180	61.5	445.8	16,700	78,900*							180
185	60.0	442.9	15,500	78,900*							185
190	58.5	439.8	14,300	76,700							190
195	56.9	436.6	13,100	74,000							195
200	55.3	433.1	12,100	71,400							200
205	53.6	429.5	11,000	69,000							205
210	52.0	425.6	10,100	66,700							210
215	50.2	421.4	9,100	64,500	57.3	430.5	56,300				215
220	48.5	417.0	8,200	62,400	55.7	427.1	54,500				220
225	46.7	412.4	7,400	60,400	54.1	423.5	52,700				225
230	44.8	407.4	6,600	58,500	52.4	419.6	50,900				230
235	42.9	402.0	5,800	56,700	50.7	415.6	49,300				235
240	40.8	396.3	5,000	54,900	49.0	411.2	47,700				240
245	38.8	390.2	4,300	53,300	47.2	406.6	46,200				245
250	36.6	383.5	3,600	51,600	45.3	401.7	44,800	52.6	411.3	36,800*	250
255	34.2	376.3	2,900	50,100	43.4	396.5	43,400	50.9	407.3	35,500*	255
260	31.8	368.4	2,300	48,600	41.4	390.9	42,000	49.2	403.0	34,200*	260
265	29.1	359.6	1,600	47,200	39.3	384.9	40,700	47.4	398.4	33,000*	265
270	26.2	349.8		45,800	37.2	378.4	39,500	45.5	393.5	31,800*	270
275	22.9	338.5		44,400	34.9	371.3	38,300	43.6	388.4	30,600*	275
280	19.1	325.0		43,100	32.4	363.6	37,100	41.7	382.8	29,500*	280
285	14.3	307.5		41,800	29.8	355.1	36,000	39.6	376.8	28,400*	285
290	6.4	278.0		40,500	27.0	345.5	34,800*	37.4	370.4	27,400*	290
295					23.8	334.7	33,700*	35.2	363.4	26,400*	295
300					20.2	321.9	32,500*	32.8	355.8	25,400*	300
305					15.7	305.8	31,400*	30.2	347.4	24,400*	305
310					9.2	281.8	30,200*	27.4	338.0	23,500*	310
315								24.2	327.4	22,500*	315
320								20.7	314.8	21,600*	320
325								16.4	299.3	20,700*	325
330								10.3	277.0	19,800*	330



# Liftcrane Luffing Jib Capacities

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 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



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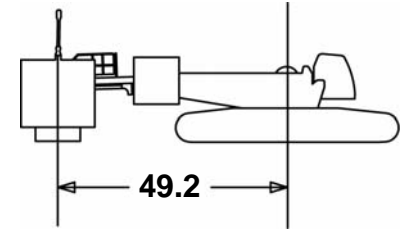
255.9 ft Boom, 236.2 ft Luffing Jib

Jib Oper. Rad. Feet	83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
125	69.4	484.1	67,400	75,800*					125
130	68.1	482.0	63,400	75,700*					130
135	66.7	479.9	59,800	75,500*					135
140	65.4	477.6	56,400	74,100*					140
145	64.1	475.2	53,200	72,500*	67.6	479.2	42,800	73,200*	145
150	62.7	472.6	50,300	70,800*	66.3	477.0	40,300	73,200*	150
155	61.3	469.9	47,600	69,000*	65.0	474.7	37,900	73,200*	155
160	59.9	467.0	45,000	67,200*	63.6	472.2	35,700	73,200*	160
165	58.5	463.9	42,600	65,400*	62.2	469.6	33,600	73,200*	165
170	57.0	460.7	40,400	63,500*	60.8	466.8	31,700	73,200*	170
175	55.6	457.3	38,300	61,700*	59.4	463.8	29,800	73,200*	175
180	54.1	453.7	36,300	59,900*	58.0	460.7	28,100	72,100*	180
185	52.6	449.9	34,400	58,100*	56.6	457.4	26,400	70,500*	185
190	51.0	445.9	32,600	56,300*	55.1	454.0	24,900	68,900*	190
195	49.4	441.6	31,000	54,500*	53.6	450.3	23,400	67,100*	195
200	47.8	437.1	29,400	52,800*	52.0	446.4	22,000	65,400*	200
205	46.1	432.3	27,800	51,200*	50.5	442.3	20,700	63,700*	205
210	44.4	427.2	26,400	49,600*	48.9	438.0	19,500	61,900*	210
215	42.6	421.9	25,000	48,100*	47.2	433.4	18,300	60,200*	215
220	40.7	416.1	23,700	46,600*	45.5	428.5	17,100	58,500*	220
225	38.8	410.0	22,400	45,200*	43.8	423.3	16,000	56,800*	225
230	36.8	403.4	21,200	43,900*	42.0	417.8	15,000	55,200*	230
235	34.7	396.3	20,100	42,600*	40.1	411.9	14,000	53,600*	235
240	32.5	388.6	19,000	41,500*	38.2	405.6	13,000	52,000*	240
245	30.1	380.1	17,900	40,400*	36.1	398.9	12,100	50,500*	245
250	27.5	370.8	16,800	39,400*	34.0	391.6	11,200	49,100*	250
255	24.7	360.3	15,800	38,500*	31.7	383.6	10,300	47,700*	255
260	21.5	348.2	14,800	37,700*	29.3	374.9	9,400	46,500*	260
265	17.8	333.8	13,900	37,100*	26.6	365.2	8,600	45,200*	265
270	13.1	314.9	12,900	36,800*	23.7	354.3	7,800	44,200*	270
275	4.6	280.3	11,800	36,800*	20.4	341.5	7,000	43,200*	275
280					16.4	325.9	6,300	42,500*	280
285					11.0	304.4	5,400	42,000*	285
290									290
295									295
300									300
305									305
310									310
315									315
320									320
325									325
330									330
335									335
340									340
345									345
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Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
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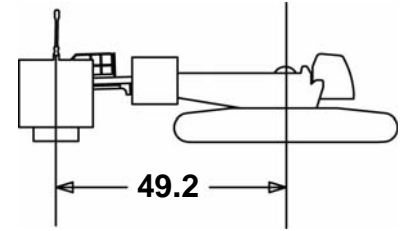
255.9 ft Boom, 236.2 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
125											125
130											130
135											135
140											140
145											145
150											150
155											155
160											160
165											165
170											170
175											175
180											180
185	62.7	465.5	13,300	67,800*							185
190	61.4	462.7	12,100	67,800*							190
195	60.0	459.8	11,000	67,800*							195
200	58.5	456.8	9,900	67,800*							200
205	57.1	453.6	8,900	67,300							205
210	55.6	450.2	8,000	65,000							210
215	54.1	446.6	7,100	62,900							215
220	52.6	442.8	6,200	60,800							220
225	51.1	438.7	5,400	58,800	57.5	447.5	50,900				225
230	49.5	434.5	4,600	56,900	56.0	444.1	49,200				230
235	47.8	430.0	3,800	55,100	54.5	440.5	47,500				235
240	46.2	425.2	3,100	53,400	53.0	436.8	46,000				240
245	44.4	420.2	2,400	51,700	51.5	432.8	44,500				245
250	42.7	414.8	1,700	50,100	49.9	428.6	43,000				250
255	40.8	409.1		48,600	48.3	424.2	41,700				255
260	38.9	402.9		47,100	46.6	419.5	40,300				260
265	36.9	396.4		45,700	44.9	414.5	39,000*	51.7	424.5	30,500*	265
270	34.8	389.3		44,300	43.1	409.3	37,600*	50.1	420.4	29,300*	270
275	32.6	381.6		43,000	41.3	403.6	36,400*	48.5	416.0	28,200*	275
280	30.2	373.2		41,800	39.4	397.6	35,100*	46.8	411.3	27,100*	280
285	27.6	363.9		40,500	37.4	391.2	33,900*	45.1	406.4	26,000*	285
290	24.8	353.4		39,300	35.4	384.2	32,700*	43.4	401.1	25,000*	290
295	21.7	341.4		38,200	33.2	376.7	31,600*	41.5	395.5	24,000*	295
300	18.0	327.1		37,000	30.8	368.5	30,500*	39.7	389.6	23,100*	300
305	13.3	308.4		35,900	28.3	359.5	29,400*	37.7	383.2	22,100*	305
310	5.2	275.4		34,700	25.6	349.4	28,400*	35.6	376.3	21,200*	310
315					22.6	337.8	27,300*	33.5	368.9	20,400*	315
320					19.0	324.2	26,300*	31.1	360.8	19,500*	320
325					14.7	307.0	25,300*	28.7	351.9	18,700*	325
330					8.2	280.9	24,300*	26.0	341.9	17,800*	330
335								23.0	330.6	17,000*	335
340								19.5	317.3	16,200*	340
345								15.3	300.7	15,400*	345
350								9.3	276.6	14,600*	350



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

255.9 ft Boom, 255.9 ft Luffing Jib

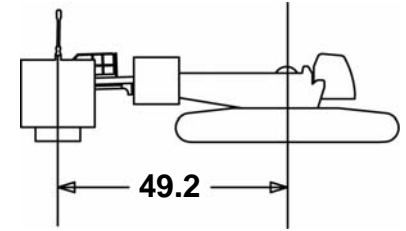
Jib Oper. Rad. Feet	83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
135	68.6	501.3	58,200	65,300*					135
140	67.4	499.2	54,800	65,200*					140
145	66.2	497.0	51,700	65,100*					145
150	65.0	494.7	48,700	64,500*					150
155	63.7	492.2	46,000	63,200*	67.0	496.3	36,200	63,100*	155
160	62.4	489.6	43,500	61,800*	65.8	494.1	34,000	63,100*	160
165	61.2	486.9	41,100	60,400*	64.5	491.7	31,900	63,100*	165
170	59.9	484.0	38,800	59,000*	63.3	489.2	30,000	63,100*	170
175	58.6	480.9	36,700	57,500*	62.0	486.5	28,100	63,100*	175
180	57.2	477.7	34,800	56,000*	60.7	483.7	26,400	63,100*	180
185	55.9	474.3	32,900	54,500*	59.4	480.8	24,800	63,100*	185
190	54.5	470.8	31,100	53,100*	58.1	477.7	23,300	63,100*	190
195	53.1	467.0	29,400	51,600*	56.8	474.4	21,800	62,200*	195
200	51.7	463.1	27,900	50,100*	55.4	471.0	20,400	60,900*	200
205	50.2	459.0	26,400	48,700*	54.0	467.4	19,100	59,500*	205
210	48.8	454.6	24,900	47,300*	52.6	463.6	17,900	58,200*	210
215	47.2	450.0	23,500	45,900*	51.2	459.6	16,700	56,800*	215
220	45.7	445.2	22,200	44,600*	49.7	455.4	15,500	55,300*	220
225	44.1	440.0	21,000	43,300*	48.2	450.9	14,400	53,900*	225
230	42.4	434.6	19,800	42,000*	46.7	446.2	13,400	52,600*	230
235	40.7	428.9	18,600	40,800*	45.1	441.3	12,400	51,200*	235
240	38.9	422.7	17,500	39,700*	43.5	436.1	11,500	49,800*	240
245	37.1	416.2	16,500	38,600*	41.8	430.6	10,500	48,500*	245
250	35.2	409.2	15,500	37,600*	40.1	424.7	9,700	47,200*	250
255	33.2	401.7	14,500	36,600*	38.3	418.4	8,800	45,900*	255
260	31.0	393.5	13,500	35,700*	36.5	411.7	8,000	44,700*	260
265	28.7	384.6	12,600	34,800*	34.5	404.6	7,200	43,500*	265
270	26.2	374.8	11,700	34,100*	32.4	396.9	6,400	42,400*	270
275	23.5	363.7	10,900	33,400*	30.3	388.5	5,700	41,300*	275
280	20.5	350.9	10,000	32,800*	27.9	379.2	5,000	40,300*	280
285	16.9	335.6	9,200	32,400*	25.4	369.0	4,300	39,400*	285
290	12.2	315.5	8,300	32,300*	22.5	357.4	3,600	38,600*	290
295	3.1	275.3	7,300	29,800*	19.3	344.0	2,900	37,900*	295
300					15.4	327.4	2,200	37,300*	300
305					10.1	304.3	1,500	36,500*	305
310									310
315									315
320									320
325									325
330									330
335									335
340									340
345									345
350									350
355									355
360									360
365									365
370									370





# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

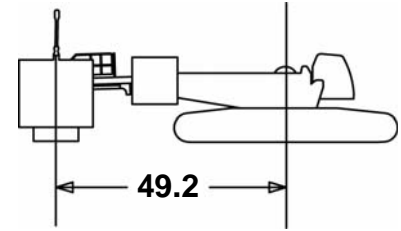
**255.9 ft Boom, 255.9 ft Luffing Jib**

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
135											135
140											140
145											145
150											150
155											155
160											160
165											165
170											170
175											175
180											180
185											185
190											190
195	62.5	482.4	9,200	58,300*							195
200	61.2	479.7	8,100	58,300*							200
205	59.9	476.8	7,100	58,300*							205
210	58.6	473.7	6,200	58,300*							210
215	57.3	470.5	5,300	58,300*							215
220	55.9	467.2	4,400	58,300*							220
225	54.6	463.6	3,600	57,400							225
230	53.2	459.9	2,800	55,500							230
235	51.7	456.0	2,100	53,700	57.6	464.4	46,000				235
240	50.3	451.9		52,000	56.3	461.1	44,500				240
245	48.8	447.5		50,300	54.9	457.6	42,900*				245
250	47.3	442.9		48,800	53.5	453.9	41,300*				250
255	45.7	438.1		47,200	52.1	450.0	39,800*				255
260	44.1	433.0		45,800	50.7	446.0	38,400*				260
265	42.5	427.5		44,400	49.2	441.7	37,000*				265
270	40.8	421.8		43,000	47.7	437.2	35,700*				270
275	39.0	415.7		41,700	46.1	432.4	34,400*	52.3	441.7	26,100*	275
280	37.2	409.2		40,500	44.6	427.4	33,200*	50.9	437.7	25,000*	280
285	35.2	402.2		39,300	42.9	422.0	32,000*	49.4	433.4	24,000*	285
290	33.2	394.7		38,100	41.2	416.4	30,800*	47.9	428.9	23,000*	290
295	31.1	386.6		37,000	39.5	410.4	29,700*	46.4	424.2	22,000*	295
300	28.8	377.7		35,900	37.7	404.0	28,700*	44.8	419.2	21,100*	300
305	26.3	367.9		34,800	35.8	397.1	27,600*	43.1	413.9	20,200*	305
310	23.6	356.8		33,800	33.8	389.8	26,600*	41.5	408.3	19,300*	310
315	20.6	344.1		32,700	31.7	381.8	25,600*	39.7	402.3	18,400*	315
320	17.0	329.0		31,700	29.4	373.1	24,600*	37.9	396.0	17,600*	320
325	12.4	309.1		30,600*	27.0	363.6	23,700*	36.0	389.2	16,800*	325
330	3.9	271.4		29,400*	24.4	352.9	22,800*	34.0	381.9	16,000*	330
335					21.4	340.7	21,900*	32.0	374.0	15,200*	335
340					18.0	326.4	21,000*	29.7	365.5	14,500*	340
345					13.8	308.1	20,100*	27.3	356.0	13,700*	345
350					7.3	279.6	19,100*	24.7	345.5	13,000*	350
355								21.8	333.6	12,300*	355
360								18.5	319.5	11,600*	360
365								14.4	302.0	10,900*	365
370								8.5	275.9	10,100*	370



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

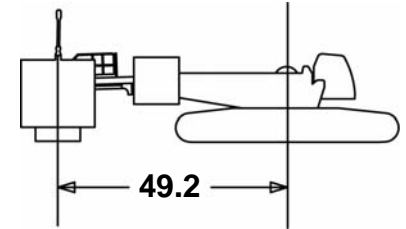
255.9 ft Boom, 275.6 ft Luffing Jib

Jib Oper. Rad. Feet	83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
145	68.0	518.5	49,700	56,600*					145
150	66.9	516.3	46,800	56,400*					150
155	65.7	514.1	44,100	56,300*					155
160	64.6	511.7	41,600	56,100*	67.6	515.6	31,900	54,600*	160
165	63.4	509.2	39,200	55,100*	66.5	513.4	29,800	54,600*	165
170	62.2	506.6	36,900	54,000*	65.3	511.1	27,900	54,600*	170
175	61.1	503.8	34,900	52,800*	64.2	508.7	26,100	54,600*	175
180	59.8	500.9	32,900	51,600*	63.0	506.2	24,400	54,600*	180
185	58.6	497.9	31,000	50,400*	61.8	503.5	22,700	54,500*	185
190	57.4	494.7	29,300	49,200*	60.6	500.7	21,200	54,500*	190
195	56.1	491.3	27,600	48,000*	59.4	497.7	19,800	54,400*	195
200	54.9	487.8	26,000	46,800*	58.2	494.7	18,400	54,300*	200
205	53.6	484.2	24,500	45,600*	57.0	491.4	17,100	54,200*	205
210	52.3	480.3	23,100	44,400*	55.7	488.0	15,900	53,600*	210
215	50.9	476.3	21,700	43,200*	54.4	484.5	14,700	52,600*	215
220	49.6	472.0	20,400	42,100*	53.1	480.7	13,600	51,500*	220
225	48.2	467.6	19,200	40,900*	51.8	476.8	12,500	50,300*	225
230	46.8	462.9	18,000	39,800*	50.5	472.7	11,500	49,200*	230
235	45.3	458.0	16,900	38,700*	49.1	468.4	10,500	48,000*	235
240	43.8	452.8	15,800	37,700*	47.7	463.9	9,500	46,900*	240
245	42.3	447.4	14,700	36,700*	46.3	459.1	8,600	45,800*	245
250	40.7	441.6	13,700	35,700*	44.8	454.1	7,800	44,700*	250
255	39.0	435.5	12,800	34,800*	43.3	448.9	6,900	43,600*	255
260	37.3	429.0	11,800	33,900*	41.7	443.3	6,100	42,500*	260
265	35.6	422.1	10,900	33,000*	40.1	437.4	5,300	41,500*	265
270	33.7	414.7	10,100	32,200*	38.5	431.2	4,600	40,400*	270
275	31.8	406.8	9,200	31,500*	36.8	424.6	3,900	39,400*	275
280	29.7	398.2	8,400	30,700*	35.0	417.5	3,200	38,400*	280
285	27.5	388.8	7,600	30,100*	33.1	410.0	2,500	37,500*	285
290	25.1	378.5	6,900	29,500*	31.1	401.8	1,800	36,700*	290
295	22.5	366.8	6,100	29,000*	29.0	393.0		35,800*	295
300	19.5	353.4	5,400	28,600*	26.7	383.3		35,100*	300
305	16.0	337.2	4,600	28,300*	24.2	372.5		34,400*	305
310	11.4	315.8	3,900	28,200*	21.5	360.4		33,700*	310
315					18.4	346.2		33,200*	315
320					14.6	328.7		32,800*	320
325					9.3	303.9		29,300*	325
330									330
335									335
340									340
345									345
350									350
355									355
360									360
365									365
370									370
375									375
380									380



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

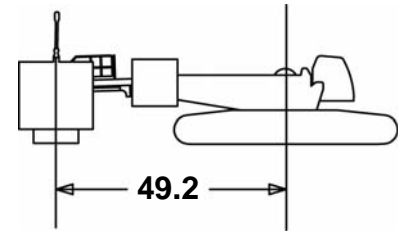
255.9 ft Boom, 275.6 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
145											145
150											150
155											155
160											160
165											165
170											170
175											175
180											180
185											185
190											190
195											195
200											200
205	62.3	499.4	4,900	50,100*							205
210	61.1	496.6	3,900	50,100*							210
215	59.9	493.7	3,100	50,100*							215
220	58.7	490.7	2,200	50,100*							220
225	57.4	487.5		50,100*							225
230	56.2	484.2		50,100*							230
235	54.9	480.7		50,100*							235
240	53.6	477.0		50,100*							240
245	52.3	473.2		48,600	57.8	481.4	40,300*				245
250	51.0	469.1		47,100	56.5	478.1	38,800*				250
255	49.6	464.9		45,500	55.3	474.6	37,300*				255
260	48.2	460.5		44,100	54.0	471.0	35,900*				260
265	46.8	455.8		42,700	52.7	467.2	34,600*				265
270	45.4	450.9		41,400	51.3	463.2	33,200*				270
275	43.9	445.7		40,100	50.0	459.1	32,000*				275
280	42.3	440.3		38,800	48.6	454.7	30,800*				280
285	40.7	434.5		37,600	47.2	450.1	29,600*	52.8	458.9	21,400*	285
290	39.1	428.5		36,500	45.8	445.2	28,500*	51.5	454.9	20,400*	290
295	37.4	422.0		35,400	44.3	440.2	27,400*	50.2	450.8	19,500*	295
300	35.6	415.1		34,300*	42.7	434.8	26,300*	48.8	446.4	18,600*	300
305	33.8	407.7		33,100*	41.2	429.1	25,300*	47.4	441.9	17,700*	305
310	31.8	399.8		32,000*	39.5	423.1	24,300*	45.9	437.0	16,800*	310
315	29.8	391.3		30,900*	37.9	416.8	23,300*	44.5	432.0	16,000*	315
320	27.6	381.9		29,800*	36.1	410.0	22,400*	42.9	426.7	15,100*	320
325	25.2	371.6		28,700*	34.3	402.8	21,500*	41.4	421.0	14,400*	325
330	22.6	360.0		27,700*	32.4	395.0	20,600*	39.8	415.1	13,600*	330
335	19.6	346.6		26,700*	30.3	386.6	19,700*	38.1	408.8	12,800*	335
340	16.1	330.6		25,700*	28.2	377.5	18,900*	36.3	402.1	12,100*	340
345	11.6	309.5		24,700*	25.8	367.5	18,000*	34.5	394.9	11,400*	345
350	2.2	264.4		23,600*	23.3	356.2	17,200*	32.6	387.2	10,700*	350
355					20.4	343.4	16,400*	30.6	378.9	10,000*	355
360					17.1	328.3	15,600*	28.5	369.9	9,400*	360
365					13.0	308.9	14,800*	26.2	360.0	8,700*	365
370					6.4	277.9	14,000*	23.6	348.9	8,100*	370
375								20.8	336.4	7,400*	375
380								17.6	321.6	6,800*	380



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



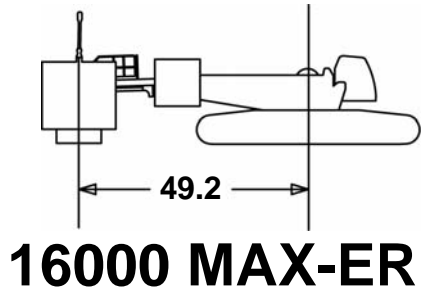
**16000 MAX-ER**

275.6 ft Boom, 78.7 ft Luffing Jib

Jib Oper. Rad. Feet	83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
70	70.9	357.0	163,800	191,600*d					70
75	66.9	354.9	150,200	189,700*c					75
80	62.8	352.3	138,400	187,000*b					80
85	58.6	349.3	128,200	183,900*b					85
90	54.1	345.7	119,200	175,800*b	66.4	352.2	102,900	189,500*c	90
95	49.3	341.5	111,200	167,900*b	62.3	349.6	95,900	187,400*b	95
100	44.2	336.5	104,000	160,400*	58.0	346.5	89,600	185,100*b	100
105	38.5	330.4	97,500	153,400*	53.5	342.9	84,000	179,500*b	105
110	31.8	322.8	91,500	147,300*	48.7	338.6	78,900	171,400*b	110
115	23.5	312.4	86,000	141,400*	43.5	333.4	74,200	163,300*	115
120	8.4	292.5	80,500	131,500*	37.6	327.2	69,900	155,100*	120
125					30.8	319.3	65,900	147,000*	125
130					22.1	308.3	62,100	138,300*	130
135									135
140									140
145									145
150									150
155									155
160									160
165									165
170									170
175									175
180									180
185									185
190									190
195									195
200									200

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



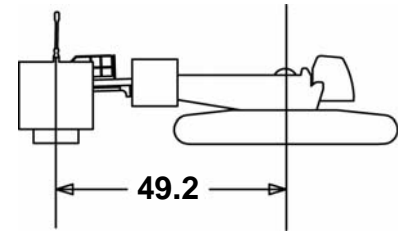
## 275.6 ft Boom, 78.7 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
70													70
75													75
80													80
85													85
90													90
95													95
100													100
105													105
110													110
115													115
120	61.0	343.3	50,600	149,200 <sup>b</sup>									120
125	56.7	340.0	47,600	142,000 <sup>b</sup>									125
130	52.1	336.2	44,900	135,300 <sup>b</sup>									130
135	47.2	331.7	42,300	129,100									135
140	41.8	326.2	39,900	123,400									140
145	35.8	319.6	37,600	118,100									145
150	28.6	311.0	35,400	113,200	54.9	331.0	20,800	102,000 <sup>b</sup>					150
155	18.7	298.5	33,200	108,400	50.2	327.0	19,400	97,900 <sup>b</sup>					155
160					45.1	322.1	18,100	94,000					160
165					39.5	316.2	16,800	90,400					165
170					33.0	308.9	15,500	87,000					170
175					25.1	299.2	14,300	83,700	52.3	319.4	2,300	74,600 <sup>b</sup>	175
180					12.6	282.7	12,900	80,400	47.4	314.9	1,600	71,900 <sup>b</sup>	180
185									42.1	309.5		69,300	185
190									36.1	302.9		66,800	190
195									28.9	294.4		64,500	195
200									19.3	282.2		62,200	200



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



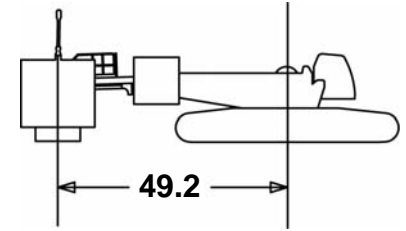
**16000 MAX-ER**

275.6 ft Boom, 98.4 ft Luffing Jib

Jib Oper. Rad. Feet	83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
80	68.6	374.2	137,400	166,700 <sup>c</sup>					80
85	65.4	371.9	127,200	164,800 <sup>b</sup>					85
90	62.2	369.3	118,300	162,400 <sup>b</sup>					90
95	58.8	366.2	110,300	155,900 <sup>b</sup>					95
100	55.2	362.8	103,200	149,300 <sup>*</sup>	65.0	369.3	88,300	164,800 <sup>b</sup>	100
105	51.5	358.9	96,800	142,900 <sup>*</sup>	61.7	366.6	82,800	163,300 <sup>b</sup>	105
110	47.6	354.4	91,100	136,700 <sup>*</sup>	58.3	363.5	77,800	161,400 <sup>b</sup>	110
115	43.4	349.2	85,800	130,800 <sup>*</sup>	54.7	360.0	73,200	158,100 <sup>*</sup>	115
120	38.9	343.2	81,000	125,300 <sup>*</sup>	51.0	356.0	69,000	151,800 <sup>*</sup>	120
125	33.8	336.0	76,500	120,300 <sup>*</sup>	47.1	351.4	65,200	145,800 <sup>*</sup>	125
130	27.8	327.1	72,400	116,000 <sup>*</sup>	42.8	346.2	61,600	139,900 <sup>*</sup>	130
135	20.2	315.0	68,400	112,800 <sup>*</sup>	38.2	340.0	58,300	134,200 <sup>*</sup>	135
140	5.1	289.6	64,400	109,500 <sup>*</sup>	33.0	332.6	55,200	128,300 <sup>*</sup>	140
145					26.9	323.4	52,300	122,000 <sup>*</sup>	145
150					18.9	310.6	49,500	115,300 <sup>*</sup>	150
155									155
160									160
165									165
170									170
175									175
180									180
185									185
190									190
195									195
200									200
205									205
210									210
215									215
220									220

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

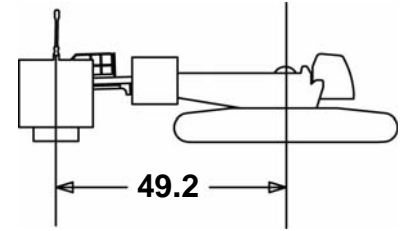
### 275.6 ft Boom, 98.4 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
80												80
85												85
90												90
95												95
100												100
105												105
110												110
115												115
120												120
125												125
130	60.7	360.2	43,300	134,000 <sup>b</sup>								130
135	57.3	357.1	40,900	127,900 <sup>b</sup>								135
140	53.7	353.4	38,600	122,300								140
145	49.9	349.3	36,400	117,100								145
150	45.9	344.5	34,400	112,300								150
155	41.5	339.0	32,500	107,700								155
160	36.8	332.5	30,700	103,500	55.8	348.1	16,500	92,700				160
165	31.4	324.7	28,900	99,500	52.2	344.3	15,300	89,100				165
170	24.9	314.7	27,300	95,800	48.3	339.9	14,200	85,800				170
175	15.8	300.0	25,600	92,100	44.2	334.9	13,100	82,700				175
180					39.7	329.0	12,100	79,700				180
185					34.7	322.0	11,100	76,900				185
190					28.9	313.4	10,100	74,200	50.1	332.4	65,600	190
195					21.7	302.1	9,100	71,600	46.0	327.7	63,300	195
200					9.8	282.4	8,000	69,000	41.7	322.2	61,200	200
205									37.0	315.8	59,100	205
210									31.6	308.0	57,100	210
215									25.2	298.1	55,200	215
220									16.3	283.8	53,300	220



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

275.6 ft Boom, 118.1 ft Luffing Jib

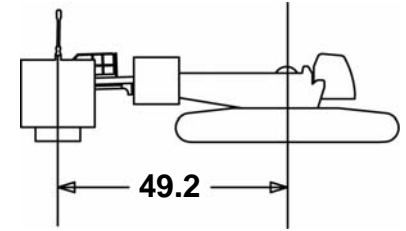
Jib Oper. Rad. Feet	83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
85	69.8	393.4	125,500	146,600* <b>b</b>					85
90	67.1	391.3	116,500	145,300* <b>b</b>					90
95	64.5	388.9	108,600	143,800* <b>b</b>					95
100	61.7	386.2	101,600	138,600*					100
105	58.9	383.2	95,200	133,300*	66.8	388.7	80,700	144,700* <b>b</b>	105
110	56.0	379.9	89,500	127,900*	64.1	386.2	75,700	143,900* <b>b</b>	110
115	52.9	376.1	84,300	122,700*	61.3	383.5	71,200	142,700*	115
120	49.8	371.9	79,600	117,600*	58.5	380.5	67,100	141,400*	120
125	46.4	367.2	75,200	112,600*	55.6	377.1	63,300	136,800*	125
130	42.9	362.0	71,200	108,000*	52.5	373.3	59,900	131,700*	130
135	39.1	356.0	67,500	103,600*	49.3	369.0	56,600	126,700*	135
140	35.0	349.0	64,000	99,600*	46.0	364.3	53,700	121,900*	140
145	30.3	340.8	60,800	96,000*	42.4	358.9	50,900	117,100*	145
150	24.8	330.7	57,700	93,100*	38.6	352.8	48,300	112,600*	150
155	17.8	317.0	54,800	90,900*	34.4	345.7	45,800	108,300*	155
160					29.6	337.3	43,500	104,500*	160
165					24.0	326.8	41,300	101,100*	165
170					16.6	312.4	39,100	97,100*	170
175									175
180									180
185									185
190									190
195									195
200									200
205									205
210									210
215									215
220									220
225									225
230									230
235									235
240									240





# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



**16000 MAX-ER**

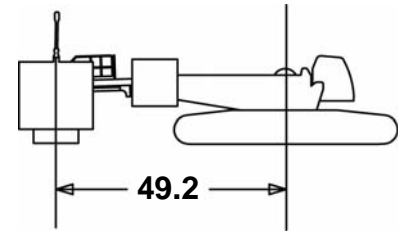
275.6 ft Boom, 118.1 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
85												85
90												90
95												95
100												100
105												105
110												110
115												115
120												120
125												125
130												130
135												135
140	60.5	377.2	36,300	120,400								140
145	57.6	374.0	34,200	115,300								145
150	54.7	370.5	32,200	110,500								150
155	51.6	366.6	30,400	106,000								155
160	48.4	362.2	28,700	101,900								160
165	45.0	357.3	27,100	98,000								165
170	41.3	351.7	25,500	94,300	56.5	365.1	11,700	83,800				170
175	37.4	345.3	24,100	90,900	53.4	361.5	10,800	80,800				175
180	33.1	337.9	22,700	87,600	50.3	357.4	9,800	77,900				180
185	28.1	329.0	21,300	84,500	47.0	352.8	8,900	75,100				185
190	22.1	317.7	20,000	81,600	43.5	347.6	8,100	72,500				190
195	13.6	301.0	18,600	78,700	39.8	341.7	7,200	70,000				195
200					35.7	335.0	6,400	67,700	51.7	349.8	59,200	200
205					31.2	327.0	5,600	65,400	48.5	345.4	57,200	205
210					25.9	317.3	4,900	63,300	45.1	340.5	55,300	210
215					19.2	304.5	4,000	61,200	41.5	335.0	53,500	215
220					7.6	281.1	3,100	59,000	37.6	328.6	51,800	220
225									33.3	321.2	50,100	225
230									28.3	312.4	48,500	230
235									22.4	301.3	46,900	235
240									14.1	284.9	45,400	240



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



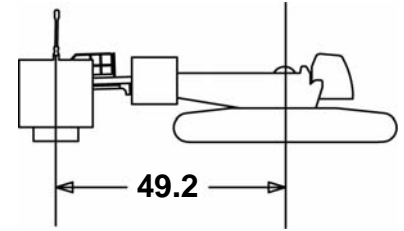
**16000 MAX-ER**

275.6 ft Boom, 137.8 ft Luffing Jib

Jib Oper. Rad. Feet	83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
90	70.6	412.5	115,200	128,600* <sup>b</sup>					90
95	68.3	410.5	107,300	127,900* <sup>b</sup>					95
100	66.1	408.3	100,300	126,800*					100
105	63.8	405.9	93,900	123,600*					105
110	61.4	403.2	88,200	119,400*					110
115	59.0	400.2	83,100	115,100*	65.8	405.7	69,700	126,300*	115
120	56.5	396.9	78,400	110,700*	63.4	403.2	65,600	125,700*	120
125	53.9	393.3	74,000	106,500*	61.1	400.5	61,800	124,900*	125
130	51.3	389.3	70,100	102,300*	58.6	397.5	58,400	123,300*	130
135	48.5	384.9	66,400	98,200*	56.1	394.1	55,200	119,400*	135
140	45.6	380.1	63,000	94,300*	53.6	390.5	52,300	115,300*	140
145	42.5	374.7	59,800	90,600*	50.9	386.4	49,500	111,200*	145
150	39.3	368.7	56,900	87,100*	48.1	382.0	47,000	107,200*	150
155	35.8	362.0	54,100	83,900*	45.2	377.1	44,600	103,300*	155
160	32.0	354.2	51,500	81,000*	42.1	371.6	42,400	99,400*	160
165	27.6	345.1	49,000	78,400*	38.8	365.6	40,200	95,800*	165
170	22.5	333.9	46,700	76,200*	35.3	358.7	38,300	92,300*	170
175	15.8	318.6	44,400	74,800*	31.4	350.8	36,400	89,100*	175
180					27.0	341.4	34,500	86,200*	180
185					21.8	329.8	32,800	83,700*	185
190					14.7	313.6	31,000	82,000*	190
195									195
200									200
205									205
210									210
215									215
220									220
225									225
230									230
235									235
240									240
245									245
250									250
255									255
260									260

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

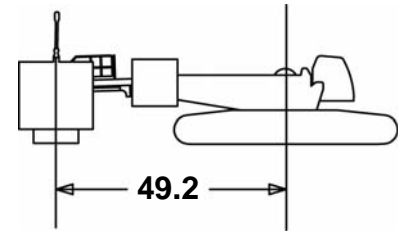
275.6 ft Boom, 137.8 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
90												90
95												95
100												100
105												105
110												110
115												115
120												120
125												125
130												130
135												135
140												140
145	62.7	397.0	32,400	113,800								145
150	60.4	394.1	30,500	109,100								150
155	57.9	391.0	28,700	104,600								155
160	55.4	387.6	27,000	100,500								160
165	52.8	383.8	25,500	96,700								165
170	50.1	379.7	24,000	93,000								170
175	47.3	375.1	22,600	89,600								175
180	44.3	370.1	21,300	86,400	56.9	382.2	8,000	76,400				180
185	41.2	364.5	20,000	83,400	54.3	378.6	7,100	73,600				185
190	37.8	358.2	18,800	80,500	51.7	374.7	6,300	71,100				190
195	34.2	351.0	17,600	77,800	49.0	370.4	5,500	68,700				195
200	30.2	342.7	16,500	75,200	46.1	365.6	4,800	66,300				200
205	25.6	332.8	15,400	72,700	43.1	360.4	4,100	64,200				205
210	20.0	320.3	14,300	70,300	39.9	354.5	3,400	62,100	52.9	367.0	53,800	210
215	11.8	301.4	13,200	68,000	36.4	347.9	2,700	60,100	50.2	362.9	52,000	215
220					32.6	340.3	2,100	58,100	47.4	358.3	50,400	220
225					28.4	331.5		56,300	44.4	353.3	48,700	225
230					23.5	320.7		54,500	41.3	347.7	47,200	230
235					17.2	306.3		52,800	38.0	341.4	45,700	235
240					5.4	278.6		51,000	34.4	334.3	44,300	240
245									30.4	326.1	42,900	245
250									25.8	316.3	41,600	250
255									20.2	303.9	40,200*	255
260									12.3	285.5	38,700*	260



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



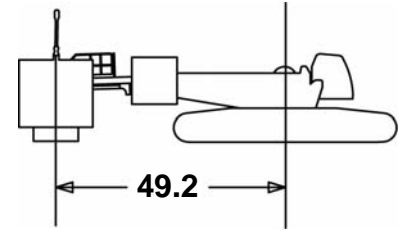
**16000 MAX-ER**

275.6 ft Boom, 157.5 ft Luffing Jib

Jib Oper. Rad. Feet	83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
100	69.2	429.8	98,400	112,900*					100
105	67.3	427.7	92,100	112,300*					105
110	65.3	425.4	86,400	110,200*					110
115	63.2	422.9	81,300	106,900*					115
120	61.1	420.1	76,600	103,400*	67.0	425.1	63,400	111,100*	120
125	59.0	417.1	72,300	99,900*	65.0	422.8	59,700	110,900*	125
130	56.9	413.9	68,300	96,300*	62.9	420.2	56,300	110,500*	130
135	54.6	410.4	64,700	92,800*	60.9	417.4	53,200	109,900*	135
140	52.3	406.5	61,300	89,400*	58.7	414.4	50,300	107,800*	140
145	50.0	402.4	58,200	86,000*	56.6	411.1	47,600	104,600*	145
150	47.5	397.8	55,300	82,700*	54.3	407.6	45,100	101,300*	150
155	45.0	392.9	52,600	79,600*	52.0	403.7	42,700	97,900*	155
160	42.3	387.5	50,000	76,600*	49.6	399.5	40,500	94,600*	160
165	39.4	381.5	47,600	73,800*	47.2	394.9	38,400	91,300*	165
170	36.4	374.9	45,400	71,200*	44.6	389.9	36,500	88,100*	170
175	33.1	367.4	43,200	68,800*	41.9	384.4	34,700	85,000*	175
180	29.6	358.9	41,200	66,600*	39.0	378.3	32,900	82,000*	180
185	25.5	348.9	39,200	64,700*	36.0	371.6	31,300	79,200*	185
190	20.7	336.6	37,400	63,200*	32.7	364.0	29,700	76,500*	190
195	14.3	319.7	35,500	62,300*	29.0	355.3	28,200	74,100*	195
200					24.9	345.1	26,700	71,900*	200
205					19.9	332.4	25,300	70,100*	205
210					13.1	314.4	23,900	68,800*	210
215									215
220									220
225									225
230									230
235									235
240									240
245									245
250									250
255									255
260									260
265									265
270									270
275									275
280									280

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

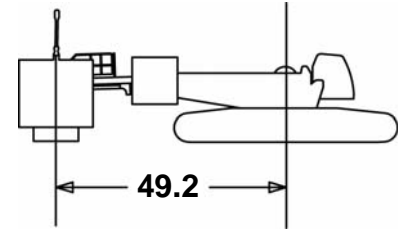
275.6 ft Boom, 157.5 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle				65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
100												100
105												105
110												110
115												115
120												120
125												125
130												130
135												135
140												140
145												145
150												150
155	62.3	413.9	26,400	102,700								155
160	60.2	411.1	24,700	98,600								160
165	58.1	408.0	23,200	94,800								165
170	55.9	404.6	21,700	91,200								170
175	53.7	401.0	20,400	87,900								175
180	51.3	397.0	19,100	84,700								180
185	48.9	392.7	17,900	81,700								185
190	46.4	388.0	16,700	78,900	57.2	399.1	3,900	69,100				190
195	43.8	382.9	15,600	76,200	55.0	395.7	3,100	66,700				195
200	41.1	377.2	14,600	73,600	52.7	391.9	2,400	64,400				200
205	38.2	371.0	13,600	71,200	50.4	387.8	1,800	62,300				205
210	35.1	364.0	12,600	68,900	47.9	383.3		60,200				210
215	31.7	356.1	11,600	66,700	45.4	378.5		58,300				215
220	27.9	347.0	10,700	64,600	42.7	373.1		56,400				220
225	23.6	336.2	9,800	62,600	39.9	367.2		54,600	51.4	380.2	46,700*	225
230	18.2	322.4	8,900	60,600	36.9	360.7		52,900	49.0	375.9	45,100*	230
235	10.3	301.3	8,000	58,600	33.7	353.4		51,300	46.5	371.2	43,500*	235
240					30.2	345.1		49,700	43.9	366.1	42,000*	240
245					26.2	335.4		48,200	41.2	360.4	40,600*	245
250					21.6	323.6		46,700	38.3	354.2	39,300*	250
255					15.5	307.8		45,200	35.2	347.3	37,900*	255
260					2.8	273.2		43,600	31.8	339.5	36,600*	260
265									28.1	330.4	35,400*	265
270									23.8	319.7	34,100*	270
275									18.5	306.1	32,900*	275
280									10.8	285.5	31,700*	280

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
with 98.4 ft Mast No. 59A

332,000 lb Crane Counterweight  
120,000 lb Carbody Counterweight  
137,850 lb Hanging Counterweight  
at 49.2 ft Position  
360 Degree Rating



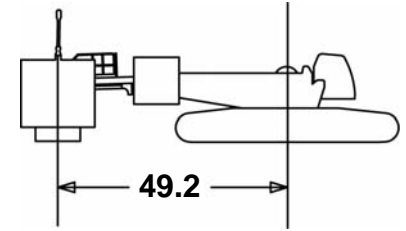
## 16000 MAX-ER

275.6 ft Boom, 177.2 ft Luffing Jib

Jib Oper. Rad. Feet	83 Degree Boom Angle				80 Degree Boom Angle				Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	
110	68.2	447.0	85,000	99,400*					110
115	66.4	444.8	79,800	98,500*					115
120	64.6	442.4	75,100	95,900*					120
125	62.8	439.8	70,800	93,000*	67.9	444.4	58,100	97,800*	125
130	61.0	437.1	66,900	90,200*	66.2	442.2	54,700	97,800*	130
135	59.1	434.1	63,300	87,300*	64.4	439.8	51,600	97,600*	135
140	57.2	430.9	59,900	84,400*	62.6	437.2	48,700	97,400*	140
145	55.2	427.4	56,800	81,500*	60.7	434.4	46,000	97,000*	145
150	53.2	423.7	53,900	78,600*	58.8	431.4	43,500	94,900*	150
155	51.1	419.7	51,200	75,800*	56.9	428.1	41,100	92,200*	155
160	49.0	415.4	48,700	73,100*	54.9	424.6	39,000	89,500*	160
165	46.8	410.7	46,300	70,500*	52.9	420.9	36,900	86,800*	165
170	44.5	405.7	44,100	68,000*	50.8	416.8	35,000	84,000*	170
175	42.1	400.2	42,000	65,600*	48.7	412.5	33,200	81,300*	175
180	39.5	394.2	40,000	63,300*	46.5	407.8	31,500	78,600*	180
185	36.9	387.7	38,100	61,200*	44.1	402.7	29,900	76,000*	185
190	34.0	380.5	36,300	59,200*	41.7	397.1	28,300	73,400*	190
195	31.0	372.4	34,600	57,400*	39.2	391.1	26,900	71,000*	195
200	27.6	363.1	33,000	55,700*	36.5	384.5	25,500	68,700*	200
205	23.7	352.3	31,400	54,400*	33.6	377.1	24,100	66,500*	205
210	19.1	339.0	29,900	53,300*	30.5	368.9	22,900	64,400*	210
215	12.9	320.5	28,300	52,700*	27.1	359.5	21,600	62,500*	215
220					23.1	348.4	20,400	60,900*	220
225					18.4	334.6	19,200	59,500*	225
230					11.8	314.9	18,000	58,600*	230
235									235
240									240
245									245
250									250
255									255
260									260
265									265
270									270
275									275
280									280
285									285
290									290
295									295
300									300

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 with 98.4 ft Mast No. 59A  
 332,000 lb Crane Counterweight  
 120,000 lb Carbody Counterweight  
 137,850 lb Hanging Counterweight  
 at 49.2 ft Position  
 360 Degree Rating



## 16000 MAX-ER

275.6 ft Boom, 177.2 ft Luffing Jib

Jib Oper. Rad. Feet	75 Degree Boom Angle				70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Minimum Luffing Jib Capacity To Swing and Travel Pounds	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
110											110
115											115
120											120
125											125
130											130
135											135
140											140
145											145
150											150
155											155
160											160
165	62.0	430.9	21,400	92,900*							165
170	60.2	428.0	20,000	89,800							170
175	58.3	425.0	18,600	86,400							175
180	56.3	421.6	17,400	83,300							180
185	54.3	418.1	16,200	80,300							185
190	52.3	414.2	15,000	77,500							190
195	50.2	410.1	14,000	74,800							195
200	48.0	405.6	12,900	72,300	57.5	416.1	62,900				200
205	45.8	400.8	12,000	69,900	55.5	412.7	60,800				205
210	43.5	395.6	11,000	67,600	53.5	409.0	58,700				210
215	41.0	390.0	10,100	65,500	51.5	405.1	56,800				215
220	38.4	383.7	9,300	63,400	49.3	400.8	55,000				220
225	35.7	376.9	8,400	61,400	47.1	396.2	53,200				225
230	32.8	369.3	7,600	59,500	44.9	391.3	51,500				230
235	29.6	360.8	6,900	57,700	42.5	385.9	49,900	52.4	397.4	41,500*	235
240	26.0	350.9	6,100	55,900	40.0	380.0	48,400	50.3	393.3	40,000*	240
245	21.9	339.2	5,300	54,300	37.3	373.5	46,900	48.1	388.8	38,600*	245
250	16.7	324.2	4,600	52,600	34.5	366.4	45,400	45.9	384.0	37,300*	250
255	9.0	300.8	3,700	50,900	31.5	358.5	44,100	43.6	378.8	36,000*	255
260					28.2	349.5	42,700	41.1	373.2	34,700*	260
265					24.4	339.0	41,400	38.5	367.0	33,500*	265
270					19.9	326.1	40,200	35.8	360.2	32,400*	270
275					14.2	309.0	38,900	32.9	352.7	31,200*	275
280								29.7	344.2	30,100*	280
285								26.1	334.4	29,100*	285
290								22.0	322.7	28,000*	290
295								17.0	308.0	26,900*	295
300								9.4	285.2	25,800*	300