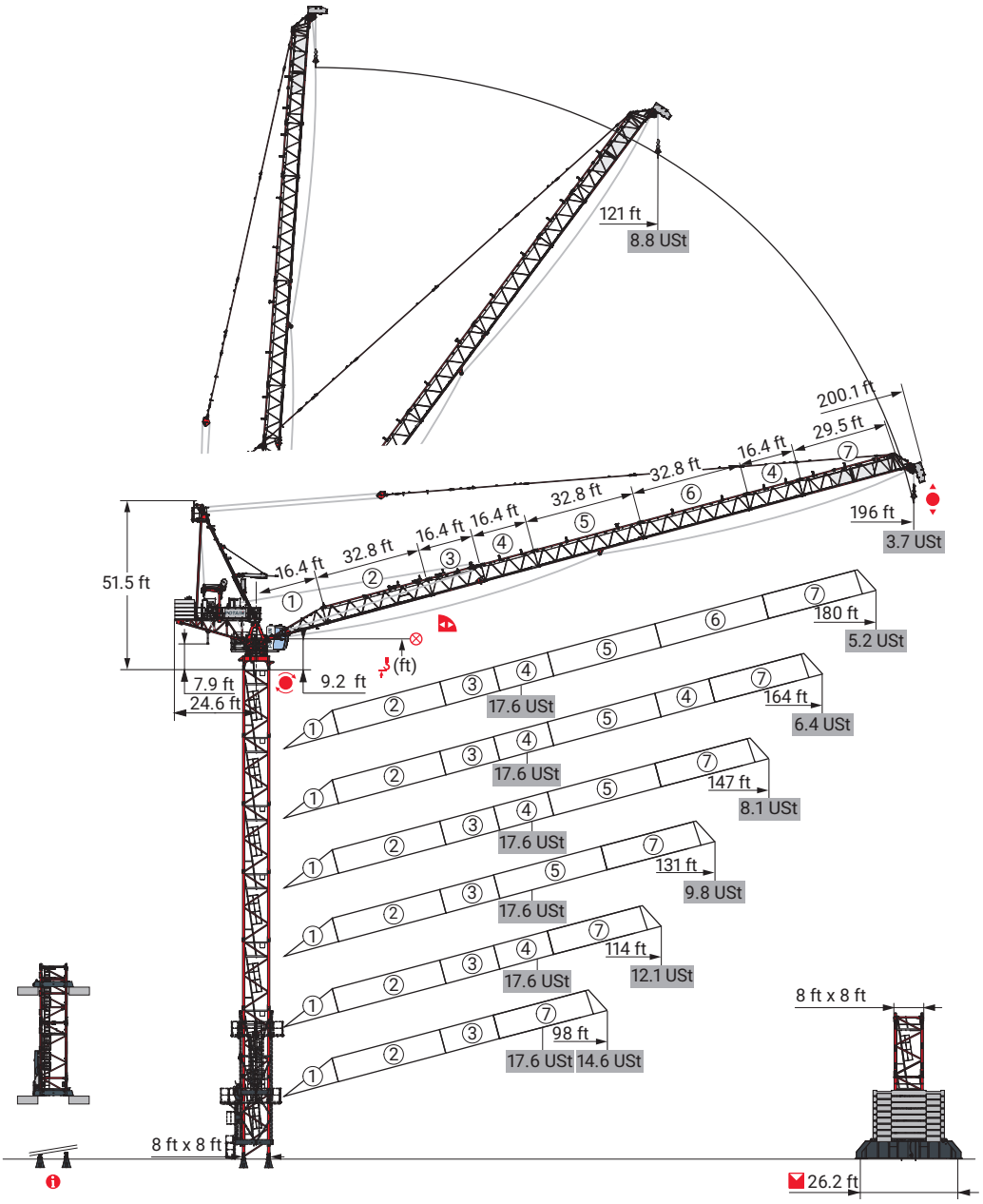
POTAIN®

MR 329 H16

ASME B30.3-2025



Auto-levelling

Potain Plus

Power Control

Anti-collision systems

Values have been rounded.

Mast - Reactions

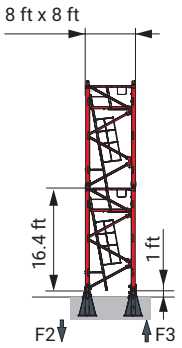
8 ft - P 800C								
(ft)		98	114	131	147	164	180	196
(ft)		201.8	196.2	190.6	185.4	179.8	174.2	174.2
/P+ (ft)		201.8	196.2	190.6	185.4	179.8	174.2	174.2
10.9 ft		1	2	0	1	2	0	0
16.4 ft		11	10	11	10	9	10	10
F2 (USt)	●	235	233	229	227	226	223	226
	■	341	344	337	341	345	340	359
F3 (USt)	●	169	167	164	162	160	151	161
	■	276	278	273	277	280	277	295

8 ft - P 854A								
(ft)		98	114	131	147	164	180	196
(ft)		251	245.4	239.8	239.8	229	223.4	223.4
/P+ (ft)		251	245.4	239.8	239.8	229	223.4	223.4
10.9 ft		1	2	0	0	2	0	0
16.4 ft		14	13	14	14	12	13	13
F2 (USt)	●	292	289	283	288	284	280	280
	■	556	560	548	575	557	549	573
F3 (USt)	●	216	211	208	204	200	198	205
	■	482	484	474	499	482	475	499

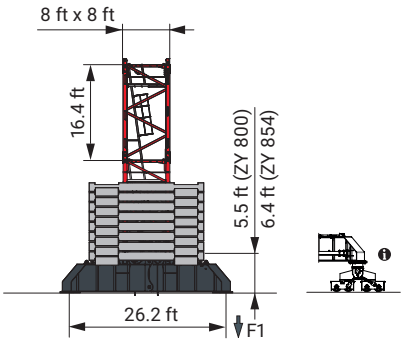
8 ft - ZY 800 -								
(ft)		98	114	131	147	164	180	196
(ft)		200,5	195,2	189,6	184,1	178,8	173,2	167,7
/P+ (ft)		200,5	195,2	189,6	184,1	178,8	173,2	167,7
10.9 ft		2	0	1	2	0	1	2
16.4 ft		10	11	10	9	10	9	8
F1 (USt)	●	129	128	128	129	128	132	128
	■	177	174	176	177	175	178	179

8 ft - ZY 854 -								
(ft)		98	114	131	147	164	180	196
(ft)		239.8	234.3	229	223.4	212.6	207	201.4
/P+ (ft)		239.8	234.3	229	223.4	212.6	207	201.4
10.9 ft		1	2	0	1	0	1	2
16.4 ft		13	12	13	12	12	11	10
F1 (USt)	●	172	172	170	172	166	166	166
	■	267	268	263	266	251	254	255

P 63A / P 800C
P 854A



ZY 800
ZY 854



Other mast compositions - Please consult us.

Motorized accesses: adapted mast composition, base ballast and reactions.

Anchorages

Base ballast

(USt) / 8 ft - ZY 800 -

(ft)	98	114	131	147	164	180	196
200.5	132.3						
195.2	119.1	132.3					
189.6	119.1	132.3	132.3				
184.1	105.8	119.1	132.3	132.3			
178.8	105.8	119.1	119.1	132.3	132.3		
173.2	105.8	105.8	119.1	119.1	132.3	145.5	
167.7	92.6	105.8	105.8	119.1	119.1	132.3	145.5
151.3	79.4	92.6	92.6	105.8	105.8	105.8	119.1
134.8	66.1	66.1	79.4	79.4	92.6	92.6	105.8
118.4	52.9	52.9	66.1	66.1	79.4	79.4	92.6
102	39.7	39.7	52.9	52.9	66.1	66.1	79.4
85.6	26.5	26.5	39.7	39.7	52.9	52.9	66.1

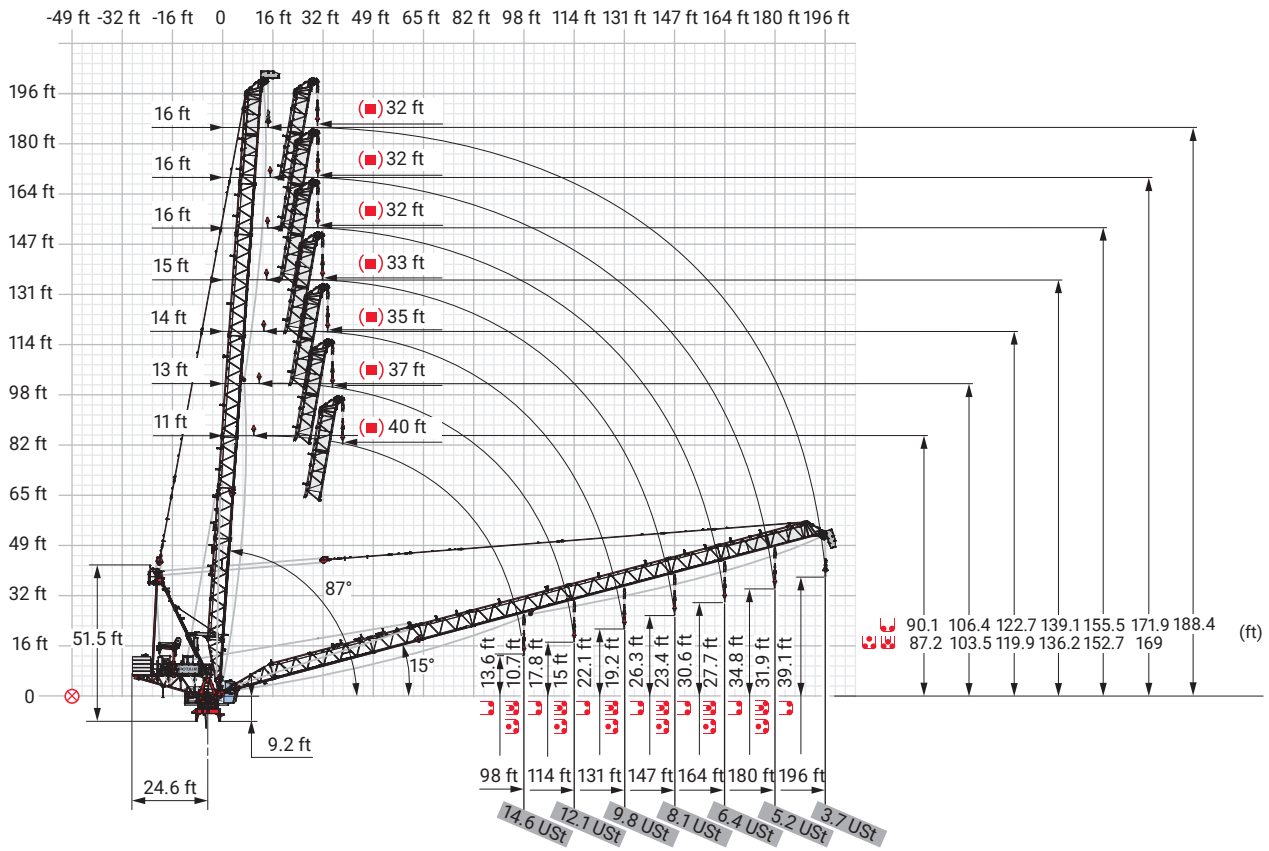
(ft)

(USt) / 8 ft - ZY 854 -

(ft)	98	114	131	147	164	180	196
239.8	238.1						
234.3	224.9	238.1					
229	198.4	211.6	238.1				
223.4	185.2	211.6	224.9	238.1			
212.6	158.7	172	185.2	211.6	224.9		
207	145.5	158.7	172	198.4	211.6	224.9	
201.4	132.3	145.5	158.7	172	198.4	211.6	238.1
185	105.8	119.1	119.1	132.3	158.7	172	185.2
168.6	92.6	105.8	105.8	119.1	119.1	132.3	145.5
152.2	79.4	79.4	92.6	92.6	105.8	105.8	119.1
135.8	52.9	66.1	79.4	79.4	79.4	92.6	105.8
119.4	39.7	52.9	52.9	66.1	66.1	79.4	79.4
103	26.5	39.7	39.7	52.9	52.9	66.1	66.1
86.6	26.5	26.5	39.7	39.7	39.7	52.9	52.9

(ft)

Luffing jib


-49 ft -32 ft -16 ft 0 16 ft 32 ft 49 ft 65 ft 82 ft 98 ft 114 ft 131 ft 147 ft 164 ft 180 ft 196 ft
196 ft
180 ft
164 ft
147 ft
131 ft
114 ft
98 ft
82 ft
65 ft
49 ft
32 ft
16 ft
0
16 ft
16 ft
16 ft
15 ft
14 ft
13 ft
11 ft
32 ft
32 ft
32 ft
33 ft
35 ft
37 ft
40 ft
87°
15°
51.5 ft
9.2 ft
24.6 ft
13.6 ft
10.7 ft
17.8 ft
15 ft
22.1 ft
19.2 ft
26.3 ft
23.4 ft
30.6 ft
27.7 ft
34.8 ft
31.9 ft
39.1 ft
98 ft 114 ft 131 ft 147 ft 164 ft 180 ft 196 ft
14.6 USt
12.1 USt
9.8 USt
8.1 USt
6.4 USt
5.2 USt
3.7 USt
90.1 106.4 122.7 139.1 155.5 171.9 188.4
87.2 103.5 119.9 136.2 152.7 169
(ft)

Load curves

(ft)			65	72	82	88	98	101	104	114	117	121	131	133	137	147	149	154	164	165	170	180	ft
		8.8 USt																					
180	16 → 72	123 - 127	17.6	17.6	15.3	13.9	12.2	-	11.2	9.8	-	9.1	8.4	-	7.8	6.9	-	6.4	5.7	-	5.3	4.7	USt
	16 → 72	123 - 127	17.6	17.6	15.3	13.9	12.2	-	11.2	9.8	-	9.1	8.4	-	7.8	7	-	6.5	5.8	-	5.4	4.8	USt P+
164	16 → 73	125 - 129	17.6	17.6	15.7	14.3	12.5	-	11.5	10.1	-	9.3	8.7	-	8	7.2	-	6.6	5.9	5.8	USt		
	16 → 73	125 - 129	17.6	17.6	15.7	14.3	12.5	-	11.5	10.1	-	9.3	8.7	-	8	7.2	-	6.7	6	5.9	USt P+		
147	15 → 75	131 - 135	17.6	17.6	16.1	14.8	13	-	12	10.7	-	9.9	8.8	-	8.6	7.7	7.6	USt					
	15 → 75	131 - 135	17.6	17.6	16.1	14.8	13	-	12	10.7	-	9.9	8.8	-	8.6	7.7	7.6	USt P+					
131	14 → 75		17.6	17.6	16.3	15.2	13.6	-	12.7	11.5	-	10.8	9.8	9.6	USt								
	14 → 76		17.6	17.6	16.3	15.2	13.6	-	12.7	11.5	-	10.8	9.8	9.6	USt P+								
114	13 → 77		17.6	17.6	16.7	15.6	14.2	-	13.3	12.1	11.8	USt											
	13 → 77		17.6	17.6	16.7	15.6	14.2	-	13.3	12.1	11.8	USt P+											
98	11 → 78		17.6	17.6	17.1	16	14.6	14.1	USt														
	11 → 79		17.6	17.6	17.1	16	14.6	14.1	USt P+														

= - 0.44 USt max.

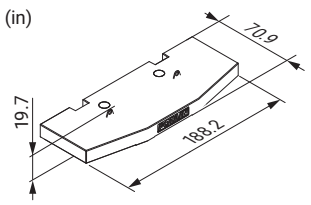
(ft)		65	72	82	88	98	101	104	114	117	121	131	133	137	147	149	154	164	165	170	180	196	ft
	8.8 USt																						
196	16 → 121	8.8	8.8	8.8	8.8	8.8	-	8.8	8.8	-	8.8	7.8	-	7.3	6.5	-	6	5.3	-	4.9	4.4	3.5	USt
	16 → 121	8.8	8.8	8.8	8.8	8.8	-	8.8	8.8	-	8.8	7.8	-	7.3	6.5	-	6.1	5.4	-	5.1	4.5	3.7	USt P+
180	16 → 126	8.8	8.8	8.8	8.8	8.8	-	8.8	8.8	-	8.8	8.4	-	7.8	7.1	-	6.7	6	-	5.6	5.1	USt	
	16 → 126	8.8	8.8	8.8	8.8	8.8	-	8.8	8.8	-	8.8	8.4	-	7.8	7.1	-	6.7	6.1	-	5.7	5.2	USt P+	
164	16 → 129	8.8	8.8	8.8	8.8	8.8	-	8.8	8.8	-	8.8	8.7	-	8.1	7.4	-	7	6.4	6.3	USt			
	16 → 129	8.8	8.8	8.8	8.8	8.8	-	8.8	8.8	-	8.8	8.7	-	8.1	7.4	-	7	6.4	6.4	USt P+			
147	15 → 134	8.8	8.8	8.8	8.8	8.8	-	8.8	8.8	-	8.8	8.8	-	8.6	8.1	8	USt						
	15 → 135	8.8	8.8	8.8	8.8	8.8	-	8.8	8.8	-	8.8	8.8	-	8.6	8.1	8	USt P+						
131	14 → 133	8.8	8.8	8.8	8.8	8.8	-	8.8	8.8	-	8.8	8.8	8.8	USt									
	14 → 133	8.8	8.8	8.8	8.8	8.8	-	8.8	8.8	-	8.8	8.8	8.8	USt P+									
114	13 → 117	8.8	8.8	8.8	8.8	8.8	-	8.8	8.8	8.8	USt												
	13 → 117	8.8	8.8	8.8	8.8	8.8	-	8.8	8.8	8.8	USt P+												
98	11 → 101	8.8	8.8	8.8	8.8	8.8	8.8	USt															
	11 → 101	8.8	8.8	8.8	8.8	8.8	8.8	USt P+															

Jib weight & counter-jib ballast

	(lb) (+/- 5%)			
		15,873 lb	(lb)	
196 ft	24,030	14,771 / 9,259	5	79,366
180 ft	23,810	14,771 / 9,039	5	79,366
164 ft	22,487	14,771 / 7,716	5	79,366
147 ft	20,944	14,771 / 6,173	5	79,366
131 ft	18,739	9,700 / 9,039	5	79,366
114 ft	17,416	9,700 / 7,716	5	79,366
98 ft	15,873	9,700 / 6,173	5	79,366

CDJ - 15,873 lb

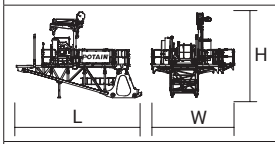
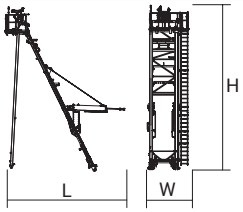
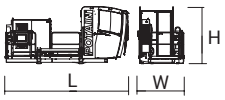
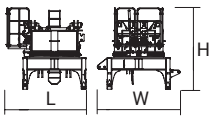
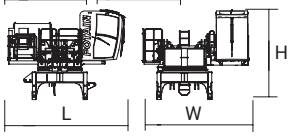
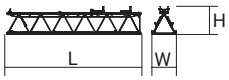
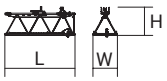
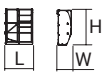
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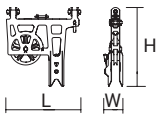
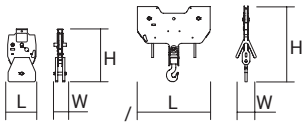
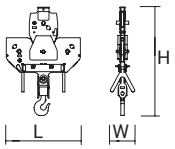
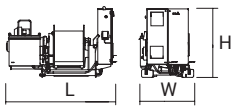
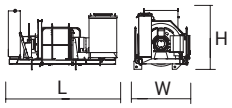
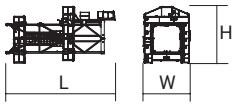
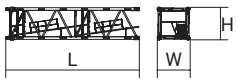
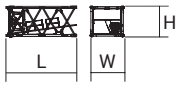
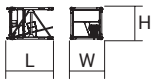
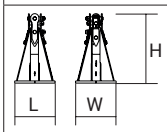
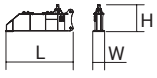
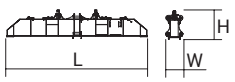


Dimensions and weight

Slewing crane part - : 196 ft - - 90 HPL™

x 7
x 6

Slewing crane part			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
	Counter-jib	100 VVF	28.3	16.5	19.3	24,482
	Strut		23.6	9	37.8	14,440
	Cab	Ultra View	17.1	6.4	8.2	4,079
	Towerhead	8 ft	10.3	10.6	10.5	23,810
			17.1	15.7	13.2	27,889
	Jib section	①	19.3	7.2	6.1	3,086
		② ⑤ ⑥ ⑦	33.4 33.4 33.4 31	6.2 6 6 6	6.9 6.6 6.6 6.6	3,086 2,866 2,756 3,086
		③ ④	17 17	6 6	6.9 6.6	2,116 1,521
			5.9	5.1	7.4	959
	Jib nose inspection platform		4.7	2.5	6	187

			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
	Pulley block		4.1	1	4.4	342
			2 5.3	0.9 1.5	3.8 5.6	805 915
			5.3	1.5	7.8	1,720
	Hoisting winch (+ rope)	90 HPL™ 132 HPL™	8.4 11.1	4.3 5.7	5.6 6.3	5,875 11,552
	Luffing winch (+ rope)	100 VVF	10.6	5.5	5.9	7,948
Crane tower						
	T 851	⍁ 8 ft	36.7	15.9	19	34,723
	KRM 849B K 85/KR 84B2 KM 850.10B KM 850.14B	⍁ 8 ft	33.6 33.6 33.9 33.9	8.4 8.3 8.3 8.3	8.3 8.2 8.2 8.2	17,196 21,242 22,201 24,670
	K 849A KMT 849A KR 849A KRMT 849A K 85/KR 84A2 KMT 850.10A KMT 850.14A	⍁ 8 ft	17.2 17.2 17.2 17.2 17.2 17.5 17.5	8.3 8.4 8.3 8.4 8.3 8.3 8.3	8.2 8.3 8.2 8.3 8.2 8.2 8.2	7,496 6,945 9,458 9,017 12,236 12,015 13,206
	KRMT 849C KMT 850.10C	⍁ 8 ft	11.7 12	8.4 8.3	8.3 8.2	7,066 9,326
	Fixing angles	P 63A / P 800C P 854A	2.5 3	2.5 3	4.2 4.9	1,025 2,072
	1/2 Cross girder	ZY 800 ZY 854	18.6 18.7	3.2 3.2	6.3 7.4	10,406 14,176
	Cross girder	ZY 800 ZY 854	39.2 39	4.6 4.7	6.3 7.4	22,212 30,865

Mechanisms

480 V - 60 Hz													hp	kW	
	90 HPL™ 40	fpm	133	174	249	366	548	69	90	130	190	274	90	66	1,768 ft
		USt	8.8	6.6	4.4	2.2	0.6	17.6	13.2	8.8	4.4	1.5			
	132 HPL™ 40	fpm	198	259	363	525	671	102	135	189	269	336	132	98	3,740 ft
		USt	8.8	6.6	4.4	2.2	0.8	17.6	13.2	8.8	4.4	2			
	100 VVF 50		2 min										100	75	
	RVF 172 Optima+	rpm	0 → 0.8										2 x 10	2 x 7.5	

IEC 60204-32	kVA	
480 V (+6% -10%) 60 Hz	90 HPL™ + 100 VVF: 171 → 95 kVA 132 HPL™ + 100 VVF: 205 → 112 kVA	

The reactions and mast compositions presented in this data sheet meet the specifications of EN 14439:2025 and ASME B30.3-2025 standards.
The “out of service” wind profile is determined in accordance with ASCE 7-22 and ASCE 37-25 specifications as follow:
The “standard” design wind is determined from an ultimate reference wind speed of 115 mph (185 kph) corresponding to an average recurrence interval of 700 years, calculated for an Exposure C category, and combined with a 0.85 reduction factor based on the assumption that the crane is considered as a temporary construction structure used for 2 years or less.
As a result, this “standard” wind profile is covered by the EN 14439:2025 C25 wind profile, which is used to determine all technical data provided in this document.

- Standard equipment
- Options
- Jib articulation axis
- Weathervaning position
- Potain Plus function: Plus load curves
- Hook heights with Plus load curves
- Reactions in service
- Reactions out of service
- Total ballast weight
- Jib weight
- Lorry 44 ft
- Container High Cube 40 ft, and/or Flat Rack 20 ft
- Hoisting
- Luffing
- Slewing
- Travelling
- Required power
- Power Control Function: winch speeds adapted to the available power
- Consult us

This commercial document is not legally binding. For any technical information, please refer to the corresponding instructions.

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