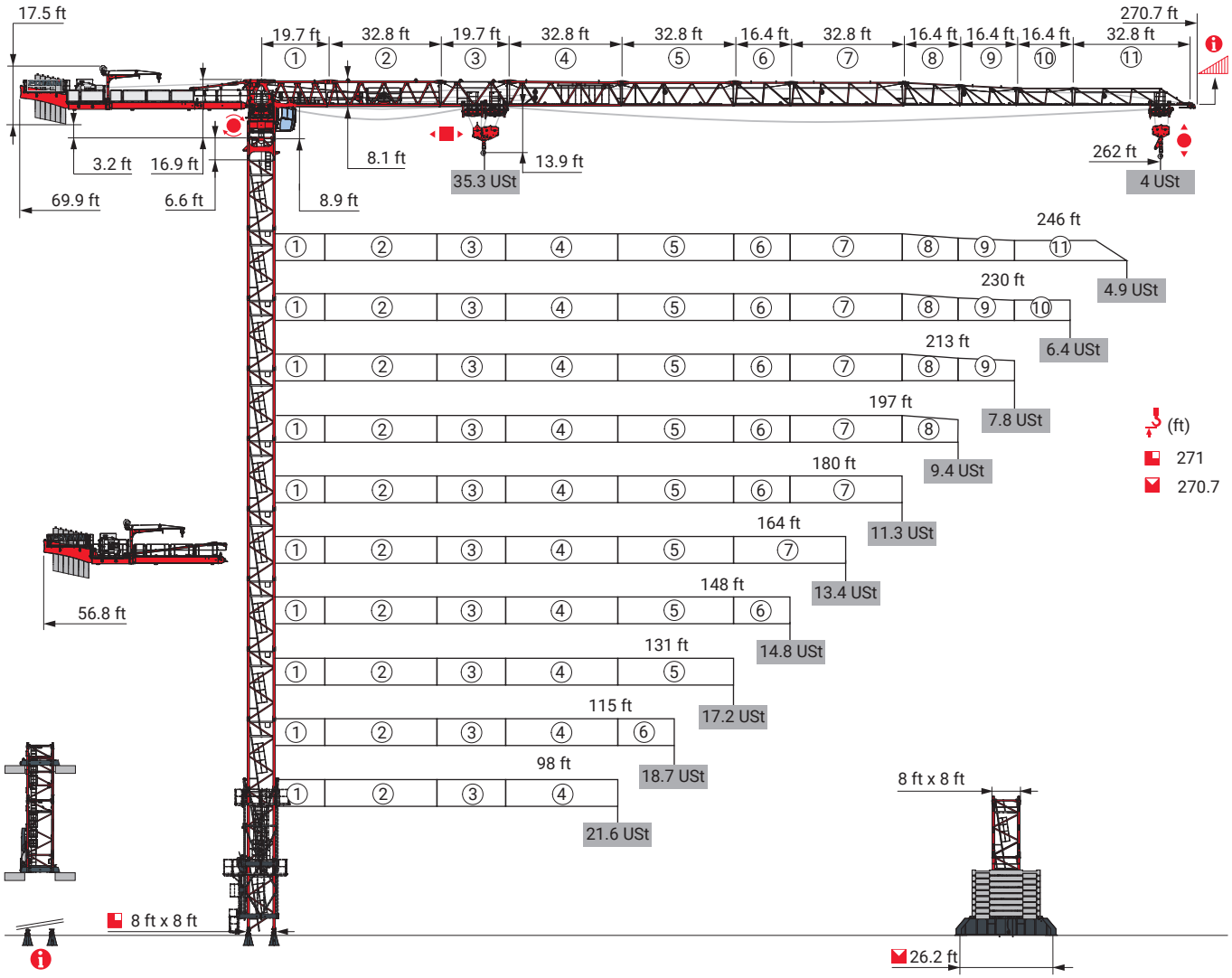
POTAIN®

MDT 569 M32

ASME B30.3-2025



Potain Plus

Power Control

Top Site

Anti-collision systems

Automatic Rotation Control

Values have been rounded.

Mast - Reactions

8 ft - P 800C

(ft)		98	115	131	148	164	180	197	213	230	246	262
(ft)		199.8	194.2	194.2	199.8	194.2	199.8	199.8	205.4	210.6	210.6	216.2
/P+ (ft)		199.8	194.2	194.2	199.8	194.2	199.8	199.8	205.4	210.6	210.6	216.2
6.6 ft		1	1	1	1	1	1	1	1	1	1	1
10.9 ft		0	1	1	0	1	0	0	2	1	1	0
16.4 ft		12	11	11	12	11	12	12	11	12	12	13
F2 (USt)	●	297	292	294	307	297	301	302	311	311	295	316
	■	263	241	248	271	252	277	283	313	346	354	374
F3 (USt)	●	199	190	190	200	188	195	195	201	200	186	205
	■	182	157	161	181	160	189	193	220	253	263	281

8 ft - P 854A

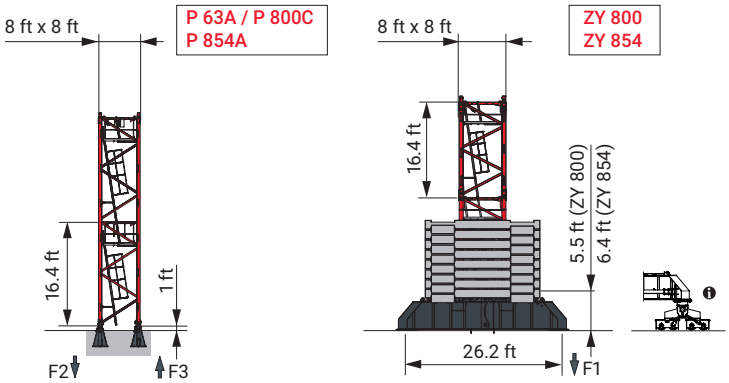
(ft)		98	115	131	148	164	180	197	213	230	246	262
(ft)		265.4	265.4	265.4	265.4	259.8	265.4	271	265.4	265.4	265.4	265.4
/P+ (ft)		265.4	259.8	259.8	265.4	259.8	265.4	265.4	265.4	265.4	265.4	265.4
6.6 ft		1	1	1	1	1	1	1	1	1	1	1
10.9 ft		0	0	0	0	1	0	2	0	0	0	0
16.4 ft		16	16	16	16	15	16	15	16	16	16	16
F2 (USt)	●	398	398	401	416	402	406	407	407	397	381	408
	■	550	535	542	577	546	578	605	574	589	598	603
F3 (USt)	●	284	282	282	291	276	283	284	284	275	260	285
	■	453	436	441	470	438	473	500	469	484	494	498

8 ft - ZY 800 -

(ft)		98	115	131	148	164	180	197	213	230	246	262
(ft)		193.2	188	193.2	193.2	188	198.8	198.8	198.8	204.4	209.7	209.7
/P+ (ft)		193.2	188	193.2	193.2	188	198.8	198.8	198.8	204.4	209.7	209.7
6.6 ft		1	1	1	1	1	1	1	1	1	1	1
10.9 ft		2	0	2	2	0	1	1	1	0	2	2
16.4 ft		10	11	10	10	11	11	11	11	12	11	11
F1 (USt)	●	147	145	150	149	146	152	150	150	160	158	166
	■	129	121	131	131	123	140	139	140	160	178	180

8 ft - ZY 854 -

(ft)		98	115	131	148	164	180	197	213	230	246	262
(ft)		265.4	259.8	259.8	265.4	259.8	265.4	270.7	270.7	265.4	265.4	259.8
/P+ (ft)		265.4	259.8	259.8	259.8	259.8	265.4	265.4	270.7	265.4	265.4	259.8
6.6 ft		1	1	1	1	1	1	1	1	1	1	1
10.9 ft		1	2	2	1	2	1	0	0	1	1	2
16.4 ft		15	14	14	15	14	15	16	16	15	15	14
F1 (USt)	●	210	206	209	213	208	219	217	221	220	214	216
	■	287	271	278	291	280	301	306	309	308	311	302



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	115	131	148	164	180	197	213	230	246	262
209.7										119.1	132.3
204.4									119.1	119.1	119.1
198.8						92.6	79.4	79.4	119.1	119.1	119.1
193.2	92.6		92.6	79.4		79.4	79.4	79.4	105.8	119.1	119.1
188	92.6	92.6	92.6	79.4	79.4	79.4	66.1	79.4	105.8	105.8	119.1
171.6	66.1	79.4	66.1	52.9	66.1	66.1	66.1	66.1	105.8	105.8	105.8
155.2	52.9	52.9	52.9	39.7	39.7	52.9	52.9	66.1	92.6	105.8	105.8
138.8	39.7	39.7	39.7	39.7	39.7	52.9	52.9	66.1	92.6	92.6	92.6
122.4	39.7	39.7	39.7	39.7	39.7	39.7	39.7	52.9	79.4	79.4	79.4
106	39.7	39.7	39.7	39.7	39.7	39.7	39.7	52.9	79.4	79.4	79.4
89.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	52.9	66.1	66.1	66.1
73.2	39.7	39.7	39.7	39.7	39.7	39.7	39.7	52.9	66.1	66.1	66.1

(USt) / 8 ft - ZY 854 -

(ft)	98	115	131	148	164	180	197	213	230	246	262
270.7							211.6	211.6			
265.4	198.4			185.2		211.6	211.6	198.4	224.9	224.9	
259.8	185.2	185.2	185.2	185.2	172	185.2	185.2	185.2	198.4	211.6	211.6
243.4	158.7	158.7	158.7	145.5	145.5	145.5	132.3	132.3	145.5	158.7	158.7
227	132.3	132.3	132.3	119.1	119.1	119.1	119.1	105.8	119.1	119.1	132.3
210.6	105.8	119.1	105.8	92.6	105.8	92.6	92.6	92.6	105.8	119.1	119.1
194.2	92.6	92.6	79.4	79.4	79.4	79.4	66.1	66.1	105.8	105.8	105.8
177.8	66.1	79.4	66.1	52.9	52.9	52.9	52.9	52.9	92.6	92.6	105.8
161.4	52.9	52.9	52.9	39.7	39.7	52.9	52.9	52.9	92.6	92.6	92.6
145	39.7	39.7	39.7	26.5	26.5	39.7	39.7	52.9	79.4	79.4	79.4
128.6	26.5	26.5	26.5	26.5	26.5	39.7	39.7	52.9	66.1	79.4	79.4
112.2	26.5	26.5	26.5	26.5	26.5	26.5	26.5	39.7	66.1	66.1	66.1
95.8	26.5	26.5	26.5	26.5	26.5	26.5	26.5	39.7	52.9	52.9	66.1
79.4	26.5	26.5	26.5	26.5	26.5	26.5	26.5	39.7	52.9	52.9	52.9

Load curves

(ft)			39	66	82	98	105	115	121	131	138	148	154	164	171	180	187	197	203	213	220	230	236	246	253	262	ft
	35.3 USt	17.6 USt																									
262	13.8 → 43	75.2 - 82.3	35.3	21	17.6	14.2	13.2	11.8	11	9.9	9.3	8.5	8.1	7.4	7	6.5	6.2	5.7	5.5	5.1	4.9	4.5	4.3	4.1	3.9	3.6	USt
	13.8 → 46.6	80.8 - 88.6	35.3	23.1	17.6	15.7	14.5	13	12.1	10.9	10.3	9.4	8.9	8.1	7.7	7.1	6.8	6.3	6	5.6	5.3	5	4.8	4.5	4.3	4	USt P+
246	13.8 → 44.6	78.3 - 85.4	35.3	22.1	17.6	14.9	13.8	12.4	11.6	10.5	9.9	9	8.5	7.9	7.5	6.9	6.6	6.1	5.9	5.5	5.2	4.9	4.7	4.4	USt		
	13.8 → 48.2	84.2 - 91.9	35.3	24.3	18.3	16.4	15.2	13.6	12.7	11.5	10.9	9.9	9.4	8.7	8.2	7.6	7.3	6.7	6.4	6	5.8	5.4	5.2	4.9	USt P+		
230	13.8 → 50.2	88.8 - 96.6	35.3	25.7	19.5	17.3	16	14.4	13.5	12.3	11.6	10.6	10.1	9.3	8.9	8.2	7.9	7.3	7	6.6	6.3	6	USt				
	13.8 → 54.5	95.7 - 105	35.3	28.2	21.4	17.6	17.6	15.8	14.8	13.5	12.7	11.7	11.1	10.2	9.7	9	8.6	8	7.6	7.1	6.8	6.4	USt P+				
213	13.8 → 55.1	97.5 - 106.1	35.3	28.7	21.9	17.6	17.6	16.1	15.1	13.7	13	11.9	11.3	10.5	10	9.3	8.9	8.3	8	7.5	USt						
	13.8 → 59.7	105.1 - 114.8	35.3	31.5	24.1	19.2	17.7	17.6	16.6	15.1	14.1	12.9	12.2	11.2	10.6	9.9	9.4	8.7	8.3	7.8	USt P+						
197	13.8 → 58.7	103.9 - 113.1	35.3	30.9	23.6	18.9	17.6	17.3	16.2	14.8	14	12.9	12.2	11.3	10.8	10.1	9.6	9	USt								
	13.8 → 60.4	112 - 120.7	35.3	32.4	25.4	20.6	19.1	17.6	17.5	16.1	15.2	13.9	13.2	12.1	11.5	10.6	10.1	9.4	USt P+								
180	13.8 → 60.4	107.1 - 116.6	35.3	32	24.5	19.6	18.1	17.6	16.8	15.4	14.5	13.4	12.7	11.8	11.2	10.5	USt										
	13.8 → 61.4	113.8 - 122.2	35.3	32.9	25.8	20.9	19.4	17.6	17.6	16.3	15.4	14.3	13.6	12.6	12.1	11.3	USt P+										
164	13.8 → 64	113.8 - 123.9	35.3	34.3	26.4	21.1	19.5	17.6	17.6	16.5	15.6	14.4	13.6	12.7	USt												
	13.8 → 64.3	120 - 128.6	35.3	34.6	27.2	22.1	20.6	18.6	17.6	17.2	16.3	15.1	14.4	13.4	USt P+												
148	13.8 → 64.3	114.3 - 124.7	35.3	34.5	26.5	21.2	19.6	17.6	17.6	16.6	15.7	14.4	USt														
	13.8 → 64.3	117.4 - 126	35.3	34.5	26.6	21.7	20.1	18.1	17.6	16.9	16	14.8	USt P+														
131	13.8 → 64.6	114.7 - 124.8	35.3	34.6	26.6	21.3	19.7	17.6	17.6	16.6	USt																
	13.8 → 65	119.8 - 128.7	35.3	34.8	27.4	22.2	20.6	18.5	17.6	17.2	USt P+																
115	13.8 → 65.9		35.3	35.3	27.3	21.9	20.2	18.1	USt																		
	13.8 → 65.9		35.3	35.3	27.6	22.4	20.8	18.7	USt P+																		
98	13.8 → 64		35.3	34.3	26.4	21.2	USt																				
	13.8 → 64		35.3	34.3	26.6	21.6	USt P+																				

= - 2.18 USt max.

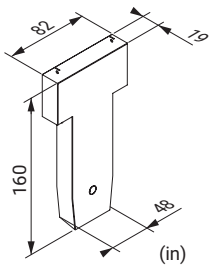
(ft)			39	66	82	98	105	115	121	131	138	148	154	164	171	180	187	197	203	213	220	230	236	246	253	262	ft
	35.3 USt	17.6 USt																									
262	11.2 → 43	74.4 - 76.1	35.3	20.8	16	12.5	11.4	10.1	9.3	8.2	7.6	6.8	6.3	5.7	5.3	4.8	4.5	4	3.7	3.4	3.1	2.8	2.6	2.35	2.15	1.95	USt
	11.2 → 46.3	80 - 82	35.3	22.9	17.6	13.9	12.8	11.2	10.4	9.2	8.6	7.7	7.2	6.4	6	5.4	5.1	4.6	4.3	3.9	3.6	3.3	3.1	2.75	2.55	2.3	USt P+
246	11.2 → 44.3	77.5 - 79.2	35.3	21.8	16.9	13.3	12.2	10.7	9.9	8.9	8.2	7.4	6.9	6.2	5.8	5.3	5	4.5	4.2	3.8	3.6	3.3	3.1	2.8	USt		
	11.2 → 47.9	83.4 - 85.3	35.3	24	18	14.8	13.6	12	11.1	9.9	9.2	8.3	7.8	7	6.6	6	5.6	5.1	4.8	4.4	4.1	3.8	3.5	3.2	USt P+		
230	11.2 → 49.9	87.1 - 89.1	35.3	25.2	19.1	15.5	14.3	12.7	11.7	10.5	9.8	8.9	8.3	7.6	7.1	6.5	6.1	5.6	5.3	4.9	4.6	4.2	USt				
	11.2 → 53.8	93.9 - 96.6	35.3	27.8	21	17.3	15.9	14.1	13.1	11.8	11	9.9	9.3	8.5	8	7.3	6.8	6.2	5.9	5.4	5.1	4.6	USt P+				
213	11.2 → 54.8	96.6 - 98.8	35.3	28.5	21.7	17.6	16.3	14.6	13.6	12.2	11.4	10.4	9.8	9	8.5	7.8	7.4	6.8	6.5	6	USt						
	11.2 → 59.4	104.1 - 106.9	35.3	31.3	23.9	19	17.6	16.2	15.1	13.5	12.6	11.4	10.7	9.7	9.1	8.3	7.9	7.2	6.8	6.3	USt P+						
197	11.2 → 58.4	102.9 - 105.3	35.3	30.7	23.4	18.7	17.6	15.8	14.7	13.3	12.5	11.4	10.7	9.8	9.3	8.6	8.1	7.5	USt								
	11.2 → 60	110.9 - 112.2	35.3	32.2	25.2	20.4	18.9	17.2	16	14.5	13.7	12.4	11.6	10.6	10	9.1	8.6	7.9	USt P+								
180	11.2 → 60.4	107.1 - 109.6	35.3	32	24.5	19.6	18.1	16.6	15.5	14.1	13.2	12.1	11.4	10.5	9.9	9.2	USt										
	11.2 → 61.4	113.8 - 114.9	35.3	32.9	25.8	20.9	19.4	17.6	16.5	15	14.1	13	12.3	11.3	10.8	10	USt P+										
164	11.2 → 64	113.8 - 116.5	35.3	34.3	26.4	21.1	19.5	17.6	16.8	15.2	14.3	13.1	12.3	11.4	USt												
	11.2 → 64.3	120 - 120.9	35.3	34.6	27.2	22.1	20.6	18.6	17.6	15.9	15	13.8	13.1	12.1	USt P+												
148	11.2 → 64.3	114.3 - 116.9	35.3	34.5	26.5	21.2	19.6	17.6	16.8	15.3	14.4	13.1	USt														
	11.2 → 64.3	117.4 - 118.5	35.3	34.5	26.6	21.7	20.1	18.1	17.1	15.6	14.7	13.5	USt P+														
131	11.2 → 64.6	114.7 - 117.4	35.3	34.6	26.6	21.3	19.7	17.6	16.9	15.3	USt																
	11.2 → 65	119.8 - 121	35.3	34.8	27.4	22.2	20.6	18.5	17.6	15.9	USt P+																
115	11.2 → 65.9		35.3	35.3	27.3	21.9	20.2	18.1	USt																		
	11.2 → 65.9		35.3	35.3	27.6	22.4	20.8	18.7	USt P+																		
98	11.2 → 64		35.3	34.3	26.4	21.2	USt																				
	11.2 → 64		35.3	34.3	26.6	21.6	USt P+																				

= - 0.71 USt max.

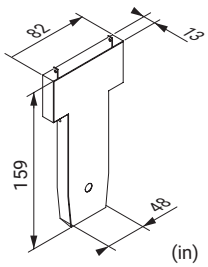
Counter-jib ballast

	14,551 lb	10,362 lb	(lb)
262 ft	6	0	87,303
246 ft	5	1	83,114
230 ft	5	1	83,114
213 ft	5	1	83,114
197 ft	4	2	78,925
180 ft	3	3	74,737
164 ft	7	0	101,854
148 ft	5	2	93,476
131 ft	6	0	87,303
115 ft	4	2	78,925
98 ft	4	1	68,564

CCP - 14,551 lb



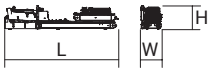
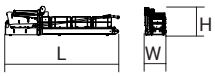
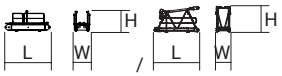
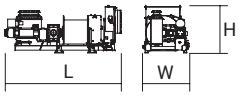
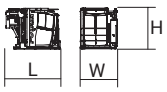
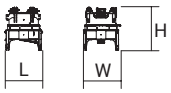
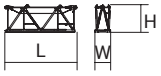
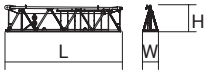
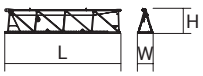
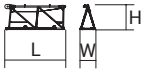
CCQ - 10,362 lb

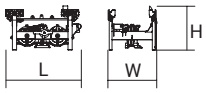
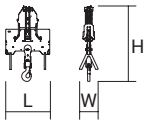
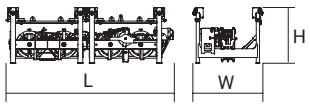
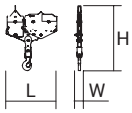
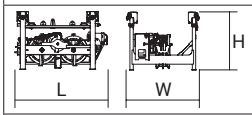
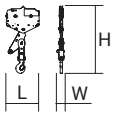
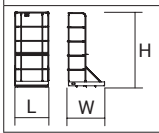
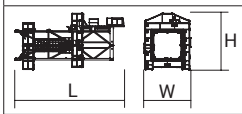
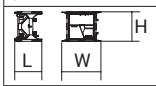
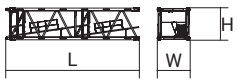
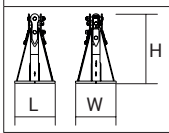
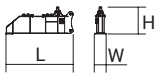


Dimensions and weight

Slewing crane part - : 262 ft - - 180 HPL™

x 9
x 8

Slewing crane part			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
	Counter-jib		39.4	7.2	8.2	29,690
			39.4	7.2	8.2	39,432
			39.1	7.2	9.2	29,573
			15 14.2	5.3 4.5	6.6 8.1	9,590 6,993
			53.3	21.9	12.9	34,458
			66.5	21.9	12.9	43,343
	Hoisting winch (+ rope)	180 HPL™	15.8	6.3	6.5	16,698
	Cab	Ultra View	11	7.5	8.2	6,614
	Towerhead	⍁ 8 ft	8.8	8.2	9.9	27,866
			21.9	8.2	9.9	34,480
	Jib section	①	25.3	5.1	8.1	19,103
		②	34	7.4	8.1	19,335
		③	20.9	4.5	8	7,154
		④	34.1	4.5	7.8	9,466
		⑤ ⑦ ⑪	34.1 33.6 33.1	4.5 4.5 4.5	7.3 7.2 5.1	7,115 4,991 1,825
		⑥ ⑧ ⑨ ⑩	17.6 17.4 17.1 17	4.5 4.5 4.5 4.5	7.3 7 6.1 5.2	3,007 1,719 1,464 1,246

			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
	Jib section		5.5	5.2	1.9	589
	Trolley	35.3 USt	8.6	5.7	5.2	2,678
	Pulley block	35.3 USt	6.2	2.6	10.4	3,120
	Trolley	35.3 USt	13.8	5.9	4.9	3,219
	Pulley block	35.3 USt	7.5	1.1	9.7	2,888
	Trolley	17.6 USt	6.9	5.9	4.9	1,720
	Pulley block	17.6 USt	5	1.1	10	1,786
	Trolley inspection platform		3.1	3.4	7	125
Crane tower						
	T 851	⍁ 8 ft	36.7	15.9	19	34,723
	K 84/K 84-2	⍁ 8 ft	7.3	10.6	8.2	6,724
	KRM 849B K 85/KR 84B2 KM 850.10B KM 850.14B K 85/KR 84A2 KMT 850.10A KMT 850.14A K 849A KMT 849A KR 849A KRMT 849A KRMT 849C KMT 850.10C	⍁ 8 ft	33.6 33.6 33.9 33.9 17.2 17.5 17.5 17.2 17.2 17.2 17.2 11.7 12	8.4 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.4 8.3 8.4 8.4 8.3	8.3 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.3 8.2 8.3 8.3 8.2	17,196 21,242 22,201 24,670 12,236 12,015 13,206 7,496 6,945 9,458 9,017 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	
	180 HPL™ 80	fpm	139	172	230	358	495	71	87	115	184	248	180	132	1,660 ft
		USt	17.6	13.2	8.8	4.4	2	35.3	26.5	17.6	8.8	5.2			
	15 DVF 16 Optima	fpm	0 → 108 (35.3 USt)			0 → 164 (22 USt)		0 → 220 (11 USt)			0 → 328 (2.8 USt)		15	11	
	RVF 174 Optima +	rpm	0 → 0.7										4 x 10	4 x 7.5	

IEC 60204-32	kVA
480 V (+6% -10%) 60 Hz	194 → 122 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.

- Jib elevation
- Standard equipment
- Options
- Potain Plus function: Plus load curves
- Hook heights with Plus load curves
- Reactions in service
- Reactions out of service
- Total ballast weight
- Lorry 44 ft
- Container High Cube 40 ft, and/or Flat Rack 20 ft
- Hoisting
- Trolleying
- 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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MDT 569 M32

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