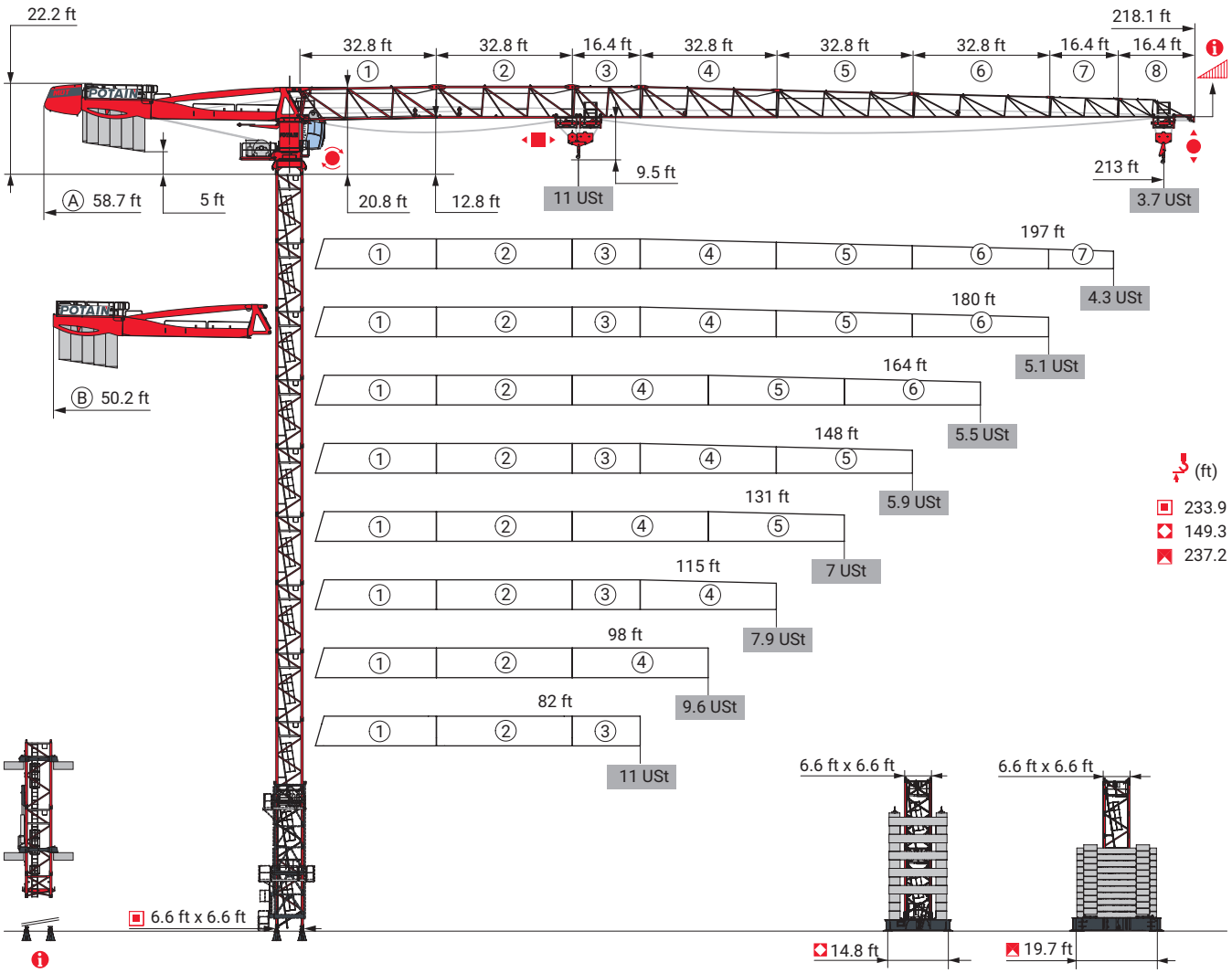
POTAIN®

MDT 269 J10

ASME B30.3-2025



Potain Plus

Power Control

Top Site

Anti-collision systems

Automatic Rotation Control

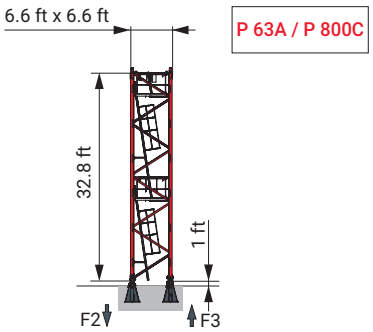
Values have been rounded.

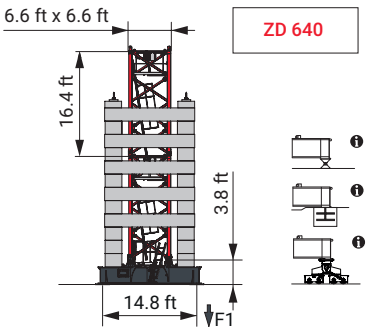
Mast - Reactions

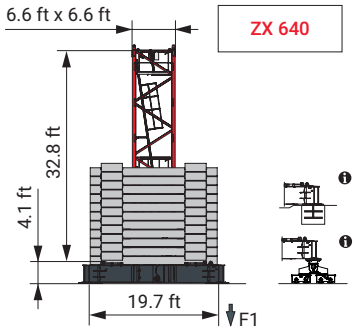
6.6 ft - P 63A									
(ft)	82	98	115	131	148	164	180	197	213
(ft)	233.9	233.9	228.7	233.9	228.7	228.7	228.7	228.7	228.7
/P+ (ft)	233.9	233.9	228.7	233.9	228.7	228.7	228.7	228.7	228.7
10.9 ft	0	0	1	0	1	1	1	1	1
16.4 ft	12	12	11	12	11	11	11	11	11
32.8 ft	1	1	1	1	1	1	1	1	1
F2 (USt) ●	232	237	237	246	242	242	246	253	256
F2 (USt) ■	393	395	384	401	392	392	394	390	400
F3 (USt) ●	181	185	184	192	187	187	189	195	197
F3 (USt) ■	348	348	337	352	343	343	342	338	347

6.6 ft - ZD 640 -									
(ft)	82	98	115	131	148	164	180	197	213
(ft)	149.3	149.3	149.3	149.3	149.3	149.3	149.3	138.1	138.1
/P+ (ft)	149.3	149.3	149.3	149.3	149.3	149.3	149.3	138.1	138.1
10.9 ft	1	1	1	1	1	1	1	0	0
16.4 ft	8	8	8	8	8	8	8	8	8
F1 (USt) ●	107	109	113	113	114	114	116	111	112
F1 (USt) ■	107	107	112	111	115	115	114	101	104

6.6 ft - ZX 640 -									
(ft)	82	98	115	131	148	164	180	197	213
(ft)	231.6	237.2	231.6	231.6	231.6	231.6	231.6	231.6	231.6
/P+ (ft)	231.6	237.2	231.6	231.6	231.6	231.6	231.6	231.6	231.6
10.9 ft	1	0	1	1	1	1	1	1	1
16.4 ft	11	12	11	11	11	11	11	11	11
32.8 ft	1	1	1	1	1	1	1	1	1
F1 (USt) ●	150	157	154	155	159	159	159	161	162
F1 (USt) ■	226	239	232	230	237	237	237	234	239







Other mast compositions - Please consult us.

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

Anchorages

Base ballast

(USt) / 6.6 ft - ZD 640 -

(ft) \ (ft)	82	98	115	131	148	164	180	197	213
149.3	132.3	132.3	137.8	137.8	137.8	137.8	137.8		
138.1	121.3	121.3	121.3	121.3	121.3	121.3	121.3	132.3	132.3
121.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	110.2	110.2
105.3	77.2	88.2	88.2	88.2	88.2	88.2	88.2	77.2	77.2
88.9	77.2	88.2	88.2	88.2	88.2	88.2	88.2	66.1	66.1
72.5	77.2	88.2	88.2	88.2	88.2	88.2	88.2	66.1	66.1

(USt) / 6.6 ft - ZX 640 -

(ft) \ (ft)	82	98	115	131	148	164	180	197	213
237.2		242.5							
231.6	231.5	231.5	231.5	231.5	242.5	242.5	231.5	231.5	231.5
215.2	187.4	187.4	187.4	187.4	187.4	187.4	187.4	187.4	187.4
198.8	143.3	143.3	143.3	143.3	143.3	143.3	143.3	165.4	154.3
182.4	121.3	110.2	121.3	121.3	121.3	121.3	121.3	132.3	132.3
166	99.2	88.2	99.2	99.2	99.2	99.2	99.2	110.2	110.2
149.6	77.2	77.2	77.2	77.2	77.2	77.2	77.2	88.2	88.2
133.2	55.1	55.1	55.1	55.1	55.1	55.1	55.1	66.1	66.1
116.8	44.1	44.1	44.1	44.1	44.1	33.1	33.1	44.1	44.1
100.4	33.1	44.1	44.1	44.1	44.1	33.1	33.1	22.1	33.1
84	33.1	44.1	44.1	44.1	44.1	33.1	33.1	22.1	22.1
67.6	33.1	44.1	44.1	44.1	44.1	33.1	33.1	22.1	22.1

Load curves



(ft)			72	82	89	98	105	115	121	131	138	148	154	164	171	180	187	197	203	213	ft
	11 USt	5.5 USt																			
213	10 → 75	137 - 148	11	10	9.1	8.1	7.5	6.8	6.4	5.8	5.5	5.5	5.2	4.8	4.6	4.3	4.1	3.8	3.7	3.5	USt
	10 → 79	141 - 151	11	10.6	9.7	8.6	7.9	7.1	6.6	6	5.6	5.5	5.4	5	4.8	4.5	4.3	4	3.9	3.7	USt P+
197	10 → 79	145 - 155	11	10.6	9.7	8.7	8.1	7.3	6.8	6.2	5.9	5.5	5.5	5.1	4.9	4.6	4.4	4.1	USt		
	10 → 83	148 - 158	11	11	10.2	9.1	8.4	7.5	7	6.4	6	5.5	5.5	5.3	5.1	4.7	4.5	4.3	USt P+		
180	10 → 79	145 - 157	11	10.6	9.7	8.6	8	7.2	6.8	6.2	5.9	5.5	5.5	5.2	5	4.7	USt				
	10 → 84	156 - 168	11	11	10.4	9.2	8.6	7.8	7.3	6.7	6.4	5.9	5.6	5.5	5.4	5.1	USt P+				
164	10 → 79	142 - 152	11	10.5	9.6	8.5	7.9	7.1	6.6	6	5.7	5.5	5.4	5.1	USt						
	10 → 82	152 - 164	11	10.9	10.1	9	8.4	7.6	7.2	6.6	6.2	5.7	5.5	5.5	USt P+						
148	10 → 79	143 - 148	11	10.5	9.6	8.5	7.9	7.1	6.7	6.1	5.7	5.5	USt								
	10 → 82		11	11	10.2	9.1	8.5	7.7	7.2	6.6	6.3	5.8	USt P+								
131	10 → 81		11	10.9	10.1	9	8.3	7.5	7.1	6.5	USt										
	10 → 86		11	11	10.6	9.5	8.9	8	7.6	6.9	USt P+										
115	10 → 79		11	10.6	9.7	8.7	8.1	7.3	USt												
	10 → 84		11	11	10.4	9.3	8.6	7.8	USt P+												
98	10 → 82		11	11	10.1	9	USt														
	10 → 86		11	11	10.7	9.5	USt P+														
82	10 → 81		11	10.9	USt																
	10 → 82		11	10.9	USt P+																

= - 0.5 USt max.



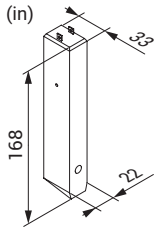
(ft)			72	82	89	98	105	115	121	131	138	148	154	164	171	180	187	197	203	213	ft
	11 USt	5.5 USt																			
213	8 → 75	139 - 139	11	10	9.2	8.2	7.6	6.9	6.4	5.9	5.6	5.2	4.9	4.5	4.3	4	3.8	3.5	3.3	3.1	USt
	8 → 80	142 - 143	11	10.7	9.8	8.6	8	7.2	6.7	6.1	5.7	5.3	5	4.7	4.5	4.2	4	3.7	3.5	3.3	USt P+
197	8 → 80	147 - 148	11	10.7	9.8	8.7	8.1	7.3	6.9	6.3	5.9	5.5	5.2	4.8	4.6	4.2	4	3.8	USt		
	8 → 83	149 - 151	11	11	10.3	9.2	8.4	7.6	7.1	6.5	6.1	5.6	5.4	5	4.7	4.4	4.2	4	USt P+		
180	8 → 79	147 - 151	11	10.6	9.8	8.7	8.1	7.3	6.9	6.3	5.9	5.5	5.3	5	4.7	4.4	USt				
	8 → 84	158 - 161	11	11	10.4	9.3	8.7	7.9	7.4	6.8	6.4	6	5.7	5.4	5.2	4.8	USt P+				
164	8 → 79	143 - 146	11	10.6	9.7	8.6	8	7.2	6.7	6.1	5.8	5.4	5.2	4.8	USt						
	8 → 82	154 - 157	11	11	10.2	9.1	8.5	7.7	7.2	6.6	6.3	5.8	5.5	5.3	USt P+						
148	8 → 79	144 - 148	11	10.6	9.7	8.6	8	7.2	6.7	6.2	5.8	5.5	USt								
	8 → 83		11	11	10.3	9.2	8.6	7.8	7.3	6.7	6.3	5.9	USt P+								
131	8 → 82		11	11	10.1	9	8.4	7.6	7.1	6.5	USt										
	8 → 86		11	11	10.7	9.6	8.9	8.1	7.6	7	USt P+										
115	8 → 80		11	10.7	9.8	8.8	8.1	7.4	USt												
	8 → 84		11	11	10.5	9.4	8.7	7.9	USt P+												
98	8 → 83		11	11	10.2	9.1	USt														
	8 → 87		11	11	10.8	9.6	USt P+														
82	8 → 81		11	10.9	USt																
	8 → 82		11	11	USt P+																

= - 0.14 USt max.

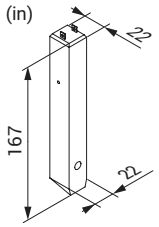
Jib weight and counter-jib ballast

	(lb) (+/- 5%)								
				10,141 lb	3,373 lb	(lb)	6,768 lb	3,373 lb	(lb)
213 ft	27,472	26,863	27,672	5	1	54,079	7	2	54,123
197 ft	26,978	26,369	27,179	5	1	54,079	7	2	54,123
180 ft	26,131	25,589	26,288	5	0	50,706	7	1	50,750
164 ft	24,273	23,731	24,429	4	1	43,938	6	1	43,982
148 ft	24,588	24,046	24,745	4	1	43,938	6	1	43,982
131 ft	22,800	22,258	22,957	4	0	40,565	6	0	40,609
115 ft	22,536	21,993	22,692	3	2	37,170	5	1	37,214
98 ft	20,435	19,892	20,591	3	1	33,797	5	0	33,841
82 ft	19,268	18,726	19,425	3	0	30,424	4	1	30,446

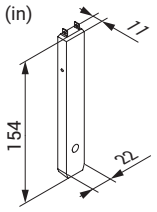
CBS - 10,141 lb



CBU - 6,768 lb



CBY - 3,373 lb

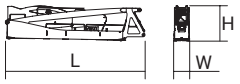
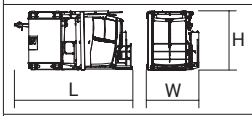
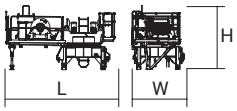
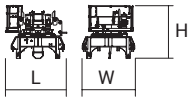
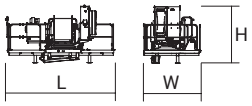
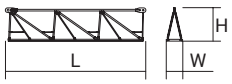
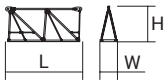
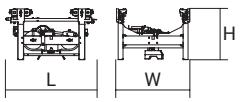
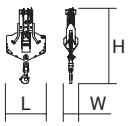
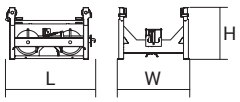
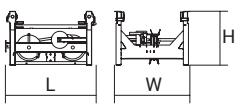
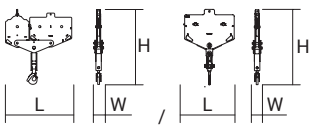


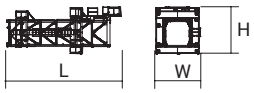
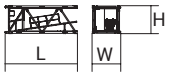
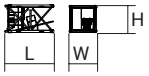
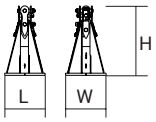
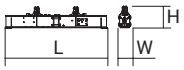
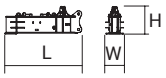
Dimensions and weight

Slewing crane part - : 213 ft - - 50 LVF

x 6

x 6

Slewing crane part			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
	Counter-jib	Ⓐ Ⓑ	36.1 36.1	3.8 3.8	8.1 8.1	19,213 18,629
	Cab mast + cab	Ultra View	16.1	7.3	8.2	11,684
	Towerhead + Hoisting winch (+ rope)	6.6 ft 50 LVF	16.9	8.2	9.1	18,993
	Towerhead	6.6 ft	9.3	8.1	8.1	11,684
	Hoisting winch (+ rope)	90 HPL™	14	7.5	7.6	9,680
	Jib section	① 6 DVF	35.5	5.6	9	7,959
	Jib section	② ④ ⑤ ⑥	33.8 33.5 33.6 33.4	3.9 3.9 3.9 3.9	7.9 7.8 6.9 6	5,335 3,439 2,723 1,753
	Jib section	③ ⑦ ⑧	17.3 16.7 16.7	3.9 3.9 3.9	7.8 5 4.6	2,116 683 485
	Trolley	11 USt	6.1	5	3.4	882
	Pulley block	11 USt	3.3	1.4	6.6	694
	Trolley	11 USt	5.2	5	3.2	463
	Trolley	11 USt 5.5 USt	5.6 6.1	5 5	3.4 3.2	540 520
	Pulley block	11 USt 5.5 USt	5.4 3.6	0.7 0.5	5.6 4.9	717 430

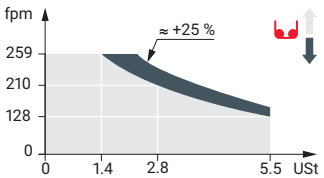
Crane tower			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
	T 61	⍁ 6.6 ft	35.5	13.6	14.7	21,385
	K 649B KM 649E KRM 6410B	⍁ 6.6 ft	33.6 33.8 33.6	6.8 6.7 6.9	6.7 6.7 6.8	11,663 10,692 15,653
	KR 649A KRMT 649A K 649A KMT 649A	⍁ 6.6 ft	17.2 17.2 17.2 17.2	6.9 6.9 6.8 6.8	6.8 6.8 6.7 6.7	7,165 6,724 6,184 5,666
	KRMT 649C	⍁ 6.6 ft	11.7	6.9	6.8	5,401
	Fixing angles	P 63A / P 800C	2.5	2.5	4.2	1,025
	Cross girder	ZD 640	22.2	1	4.7	7,055
	1/2 Cross girder	ZD 640	10.8	1.9	4.7	2,976
	Cross girder	ZX 640	30	3.9	5.1	15,168
	1/2 Cross girder	ZX 640	14.3	3.3	5.1	7,319

Mechanisms

480 V - 60 Hz											hp	kW	
	50 LVF 25 Optima	fpm	128	161	210	259	66	84	108	130	50	37	1,827 ft
		USt	5.5	4.1	2.8	1.4	11	8.3	5.5	3.2			
	90 HPL™ 25	fpm	213	279	392	518	707	110	146	203	271	353	90	66	3,136 ft
		USt	5.5	4.1	2.8	1.4	0.4	11	8.3	5.5	2.8	1.3			
	6 DVF 4 Optima	fpm	0 → 164 (11 USt) 0 → 328 (6.6 USt) 0 → 394 (3.3 USt)								5.5	4	
	RVF 162 Optima+	rpm	0 → 0.9								2 x 7.5	2 x 5.5	

IEC 60204-32	kVA	
480 V (+6% -10%) 60 Hz	50 LVF: 58 → 38 kVA 90 HPL™: 90 → 54 kVA	

50 LVF 25 Optima



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
- Jib 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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