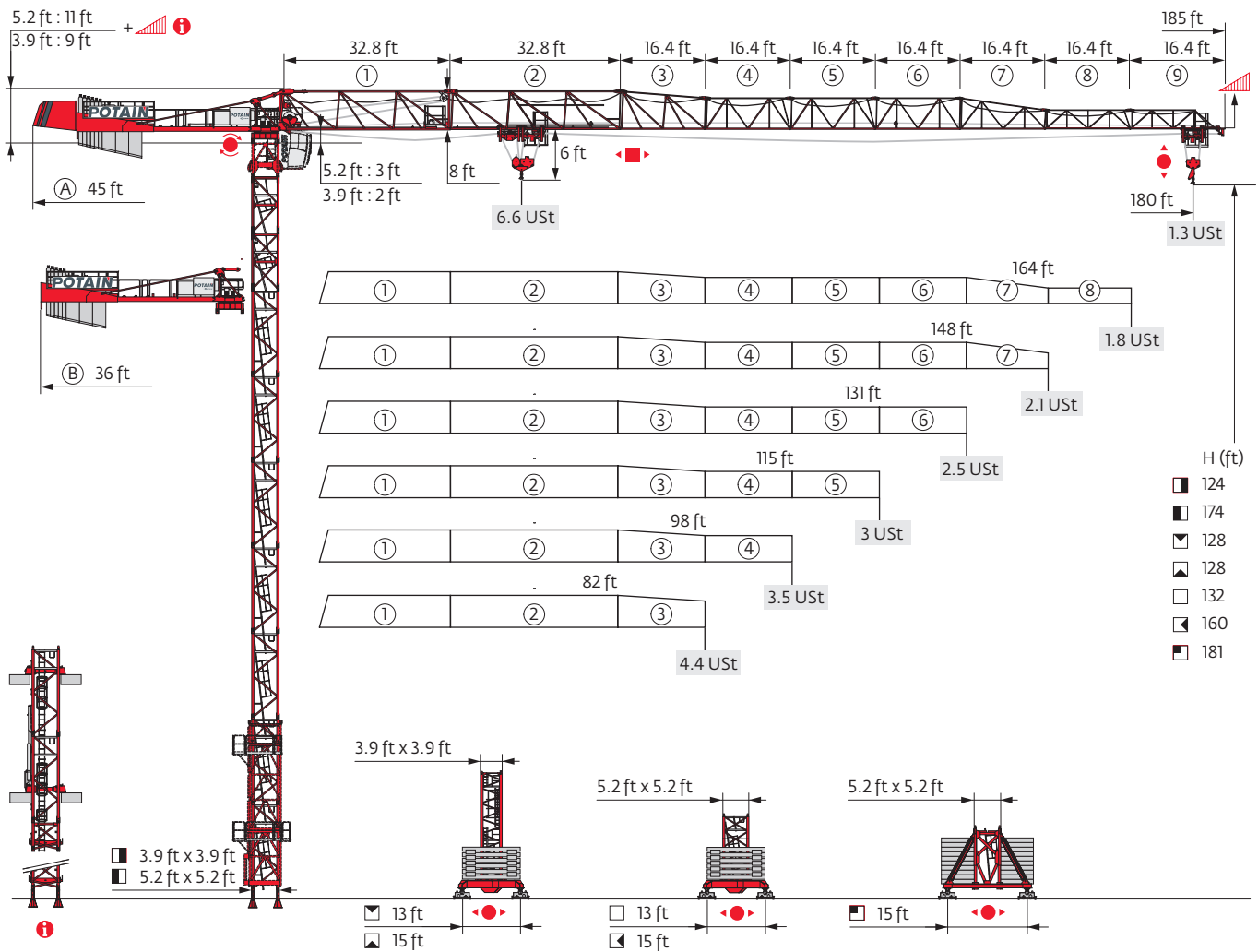


# Potain MDT 98

## Data Sheet

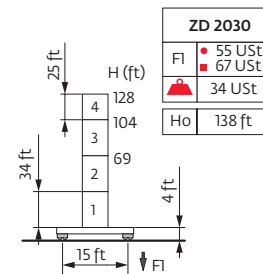
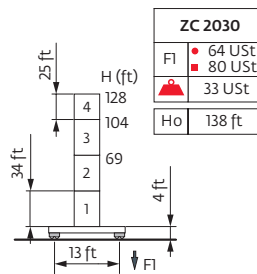
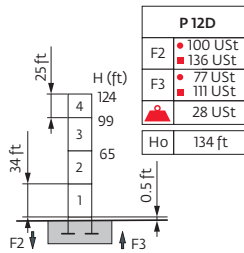
FEM 1.001-A3



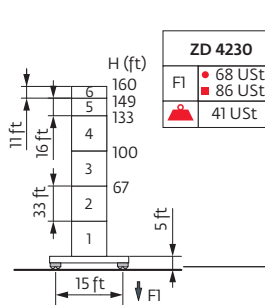
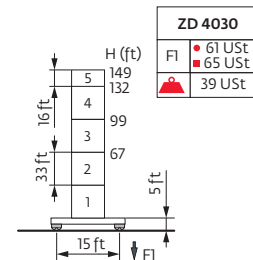
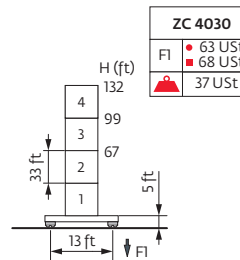
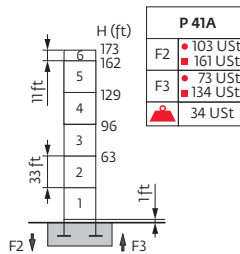
Values have been rounded

# Mast

☑ 3.9 ft City  
 ▲▲▲ 82 ft → 180 ft

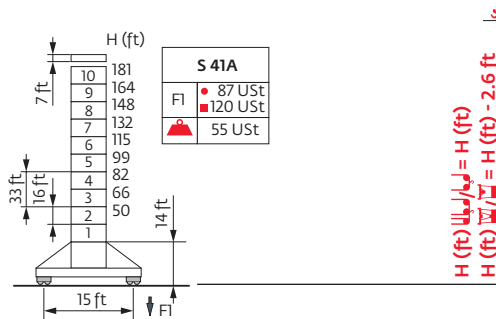
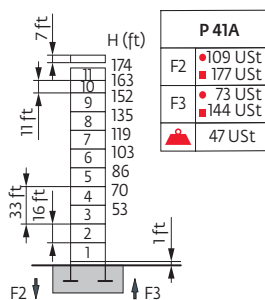


☑ 5.2 ft City  
 ▲▲▲ 82 ft → 180 ft



$H(\text{ft}) \frac{1}{16} = H(\text{ft})$   
 $H(\text{ft}) \frac{1}{33} = H(\text{ft}) - 2.6 \text{ ft}$

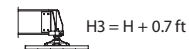
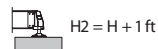
☑ 5.2 ft  
 ▲▲▲ 82 ft → 180 ft



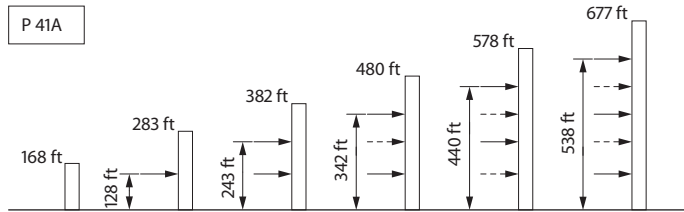
$H(\text{ft}) \frac{1}{16} = H(\text{ft})$   
 $H(\text{ft}) \frac{1}{33} = H(\text{ft}) - 2.6 \text{ ft}$

	Jib elevation
	Reactions in service
	Reactions out of service
	Height without cab
	Weight without load, without ballast, with jib and max. height

ZC 2030 - ZD 2030  
 ZC 4030 - ZD 4030 - ZD 4230



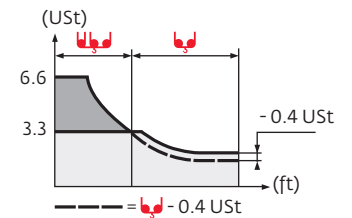
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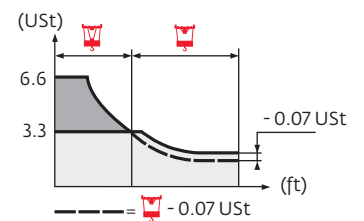
## Load charts



180 ft	9	▶	46	49	56	66	72	80	89	98	105	115	121	131	138	148	154	164	171	180	ft
▲▲▲▲			6.6	6.2	5.3	4.3	3.9	3.3	3.3	2.9	2.7	2.4	2.3	2	1.9	1.8	1.7	1.5	1.4	1.3	USt
164 ft	9	▶		52	56	66	72	82	90	99	105	115	121	131	138	148	154	164			ft
▲▲▲▲				6.6	6.1	5	4.4	3.7	3.3	3.3	3.1	2.8	2.6	2.4	2.2	2	1.9	1.8			USt
148 ft	9	▶		54	56	66	72	82	89	94	104	115	121	131	138	148					ft
▲▲▲▲				6.6	6.4	5.3	4.6	4	3.6	3.3	3.3	2.9	2.8	2.5	2.4	2.1					USt
131 ft	9	▶		55	56	66	72	82	89	95	105	115	121	131							ft
▲▲▲▲				6.6	6.5	5.3	4.7	4.1	3.6	3.3	3.3	3	2.8	2.5							USt
115 ft	9	▶			56	66	72	82	89	97	107	115									ft
▲▲▲▲					6.6	5.4	4.9	4.1	3.7	3.3	3.3	3									USt
98 ft	9	▶			56	66	72	82	89	98											ft
▲▲▲▲					6.6	5.5	5	4.2	3.7	3.3											USt
82 ft	9	▶			56	66	72	82													ft
▲▲▲▲					6.6	5.5	5	4.2													USt



180 ft	7	▶	47	56	66	72	83	84	89	98	105	115	121	131	138	148	154	164	171	180	ft
▲▲▲▲			6.6	5.4	4.4	4	3.3	3.3	3.1	2.7	2.5	2.2	2.1	1.9	1.7	1.6	1.5	1.3	1.3	1.2	USt
164 ft	7	▶		52	56	66	72	82	89	93	95	98	105	115	121	131	138	148	154	164	ft
▲▲▲▲				6.6	6.2	5.1	4.5	3.9	3.5	3.3	3.3	3.1	2.9	2.6	2.4	2.2	2	1.9	1.8	1.6	USt
148 ft	7	▶		55	56	66	72	82	89	98	99	105	115	121	131	138	148				ft
▲▲▲▲				6.6	6.5	5.4	4.9	4.1	3.7	3.3	3.3	3.1	2.8	2.6	2.3	2.2	2				USt
131 ft	7	▶			56	66	72	82	89	99	101	105	115	121	131						ft
▲▲▲▲					6.6	5.5	4.9	4.2	3.9	3.3	3.3	3.1	2.8	2.6	2.4						USt
115 ft	7	▶			57	66	72	82	89	101	102	115									ft
▲▲▲▲					6.6	5.5	5	4.3	3.9	3.3	3.3	2.9									USt
98 ft	7	▶			58	66	72	82	89	98											ft
▲▲▲▲					6.6	5.7	5.2	4.4	4	3.5											USt
82 ft	7	▶			58	66	72	82													ft
▲▲▲▲					6.6	5.7	5.2	4.4													USt



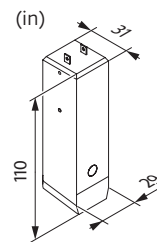
## Base ballast

3.9 ft City	ZC 2030	H (ft)	128	104	69														
	◀●▶	⚠ (USt)	82.7	55.1	55.1														
	ZD 2030	H (ft)	128	104	69														
	◀●▶	⚠ (USt)	66.1	38.6	38.6														
5.2 ft City	ZC 4030	H (ft)	132	99	67														
	◀●▶	⚠ (USt)	77.2	71.7	66.1														
	ZD 4030	H (ft)	149	132	99	67													
	◀●▶	⚠ (USt)	77.2	77.2	66.1	49.6													
	ZD 4230	H (ft)	160	149	133	100	67												
	◀●▶	⚠ (USt)	88.2	77.2	66.1	49.6	49.6												
5.2 ft	S 41A	H (ft)	181	164	148	132	115	99	82	66	50								
	◀●▶	⚠ (USt)	125.7	92.6	66.1	46.3	46.3	46.3	46.3	39.7	39.7								

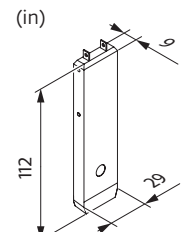
## Counter-jib ballast

▲▲▲	7937 lb	2425 lb	⚠ (lb)
180 ft	3	6	38,360
164 ft	3	5	35,935
148 ft	3	4	33,510
131 ft	3	3	31,085
115 ft	3	2	28,660
98 ft	3	1	26,235
82 ft	3	0	23,810

CAU - 7937 lb



CAV - 2425 lb



⚠	Total ballast weight
→	Truck 44 ft
	Container High Cube 40 ft and/or Flat Rack 20 ft
→	Tightened anchorage frame
→	Loosened anchorage frame

# Mechanisms

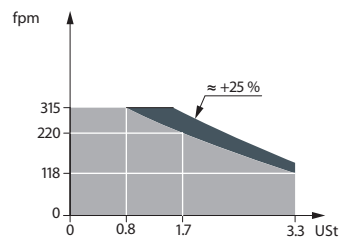
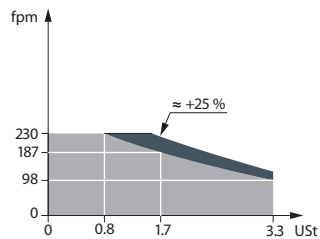
400 V - 50 Hz											hp	kW	
	25 LVF 15 Optima	fpm	98	131	187	230	49	66	94	115	25	18	912 ft
		USt	3.3	2.5	1.7	0.8	6.6	5	3.3	2.5			
	33 LVF 15 Optima	fpm	118	154	220	315	59	77	110	157	33	22	1001 ft
		USt	3.3	2.5	1.7	0.8	6.6	5	3.3	2.5			
	7 DVF 4	fpm	0 → 259							6.5	4.8		
	RVF 152 Optima+	rpm	0 → 0.8							2 x 5.5	2 x 4		
	S 41A RT 443 A1 - 2V R ≥ 10 m	fpm	49 - 98							4 x 5	4 x 3.7		
	ZC 2030 ZC 4030	RT 224	82							2 x 4	2 x 2.9		
	ZD 2030 ZD 4030 ZD 4230	RT 324	41 - 82							2 x 7	2 x 5.2		

	kVA
400 V (+10% -10%) 50 Hz	25 LVF : 42 kVA 33 LVF : 50 kVA





480 V - 60 Hz											hp	kW	
	25 LVF 15 Optima	fpm	98	131	187	230	49	66	94	115	25	18	912 ft
		USt	3.3	2.5	1.7	0.8	6.6	5	3.3	2.5			
	33 LVF 15 Optima	fpm	118	154	220	315	59	77	110	157	33	22	1001 ft
		USt	3.3	2.5	1.7	0.8	6.6	5	3.3	2.5			
	7 DVF 4	fpm	0 → 259							6.5	4.8		
	RVF 152 Optima+	rpm	0 → 0.8							2 x 5.5	2 x 4		
	S 41A RT 443 A1 - 2V R ≥ 10 m	fpm	59 - 118							4 x 6	4 x 4.4		
	ZC 2030 ZC 4030	RT 224	98							2 x 4.8	2 x 3.5		
	ZD 2030 ZD 4030 ZD 4230	RT 324	49 - 98							2 x 8.4	2 x 6.2		

	kVA
480 V (+6% -10%) 60 Hz	25 LVF : 42 kVA 33 LVF : 50 kVA

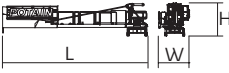




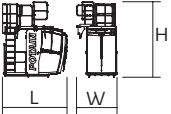


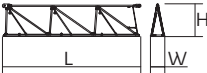


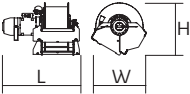


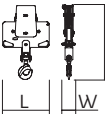

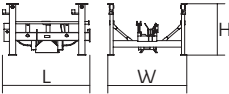

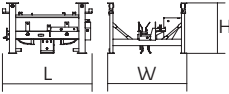


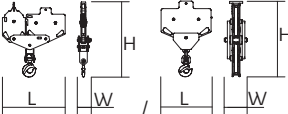


	Hoisting
	Trolleying
	Slewing
	Travelling
	Rated power
	Consult us

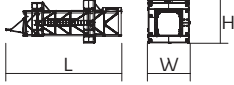

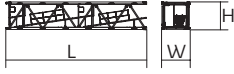





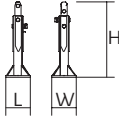
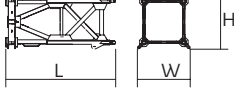
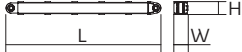
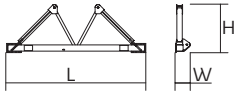
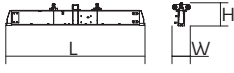
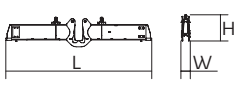


# Component weights

Crane upper:  180 ft -  -  -  25 LVF



			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Counter-jib		 3.9 ft	39.2	8.2	8.1	12,302
		 3.9 ft				
		 5.2 ft				
		 5.2 ft				
Cab		Ultra View	10.3	6.5	12	2194
Jib section		① 25 LVF 7 DVF	34.8	8.8	8.5	7749
Jib section		④	17	3.4	6.2	860
		⑤	17	3.4	6.2	794
		⑥	16.9	3.4	6.2	783
		⑧	17	3.4	3.8	529
Jib section		②	33.5	3.4	7.7	2568
Jib section		③	17	3.4	7.6	1058
		⑦	17	3.4	6.2	661
Jib section		⑨	16.7	3.4	3.8	441
Hoisting winch (+ rope)		25 LVF	4.4	2.3	2.4	1687
		33 LVF	4.5	3	2.9	2094
Trolley		 6.6 USt	5.2	4.4	2.9	573
Hookblock		 6.6 USt	3	0.8	4.6	639
Trolley		 6.6 USt	4.6	4.1	3.1	518
Trolley		 6.6 USt	4.7	4.1	3.1	474
		 3.3 USt	5	4.3	3.1	518
Hookblock		 6.6 USt	4.1	0.9	5	551
		 3.3 USt	2.6	0.6	4.5	287

			L (ft)	W (ft)	H (ft)	lb (+/- 5%)
Climbing cage		□ 5.2 ft	37	12.9	11.7	12,930
Climbing mast		□ 5.2 ft	7.3	6.9	6.8	3208
K 437B KM 436E KM 437E		□ 5.2 ft	33.5 33.5 33.5	5.5 5.3 5.3	5.3 5.3 5.3	7606 6096 7088
K 437A K 439A		□ 5.2 ft □ 5.2 ft	17.1 17.1	5.5 5.5	5.3 5.3	4079 4916
K 437C		□ 5.2 ft	11.3	5.5	5.3	2998
SR 26E-2		□ 3.9 ft	35.3	4.2	4.2	6338
SR 25F-2		□ 3.9 ft	25.4	4.3	4.3	4409
Connecting mast		□ 5.2/3.9 ft	9.6	6.8	6.9	4630
Fixing angles		P 12D P 41A	1.6 1.2	1.6 1.2	3.7 3.7	541 443
Chassis mast		S 41A	11.9	6.4	6.8	6537
Strut		S 41A	10.4	0.9	0.8	496
Knee brace		S 41A	16.7	2	5.8	2524
Cross girder		ZC 2030 ZD 2030 ZC 4030 ZD 4030 ZD 4230	18.5 21.7 18.5 21.7 21.8	2.7 2.7 2.7 2.7 2.7	3.8 3.8 3.1 3.1 3.4	3307 3726 3483 3616 4034
Cross girder		ZC 2030 ZD 2030 ZC 4030 ZD 4030 ZD 4230	18.5 21.7 18.5 21.7 21.8	1.5 1.5 1.5 1.5 1.5	4.8 4.8 4.1 4.1 4.4	5692 4255 3803 4299 4707

# Notes

Constant improvement and engineering progress make it necessary that we reserve the right to make specification, equipment and price changes without notice. Illustrations shown may include optional equipment and accessories, and may not include all standard equipment.



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Code 06-001-5M-0611