



Grove Manitowoc National Crane Potain

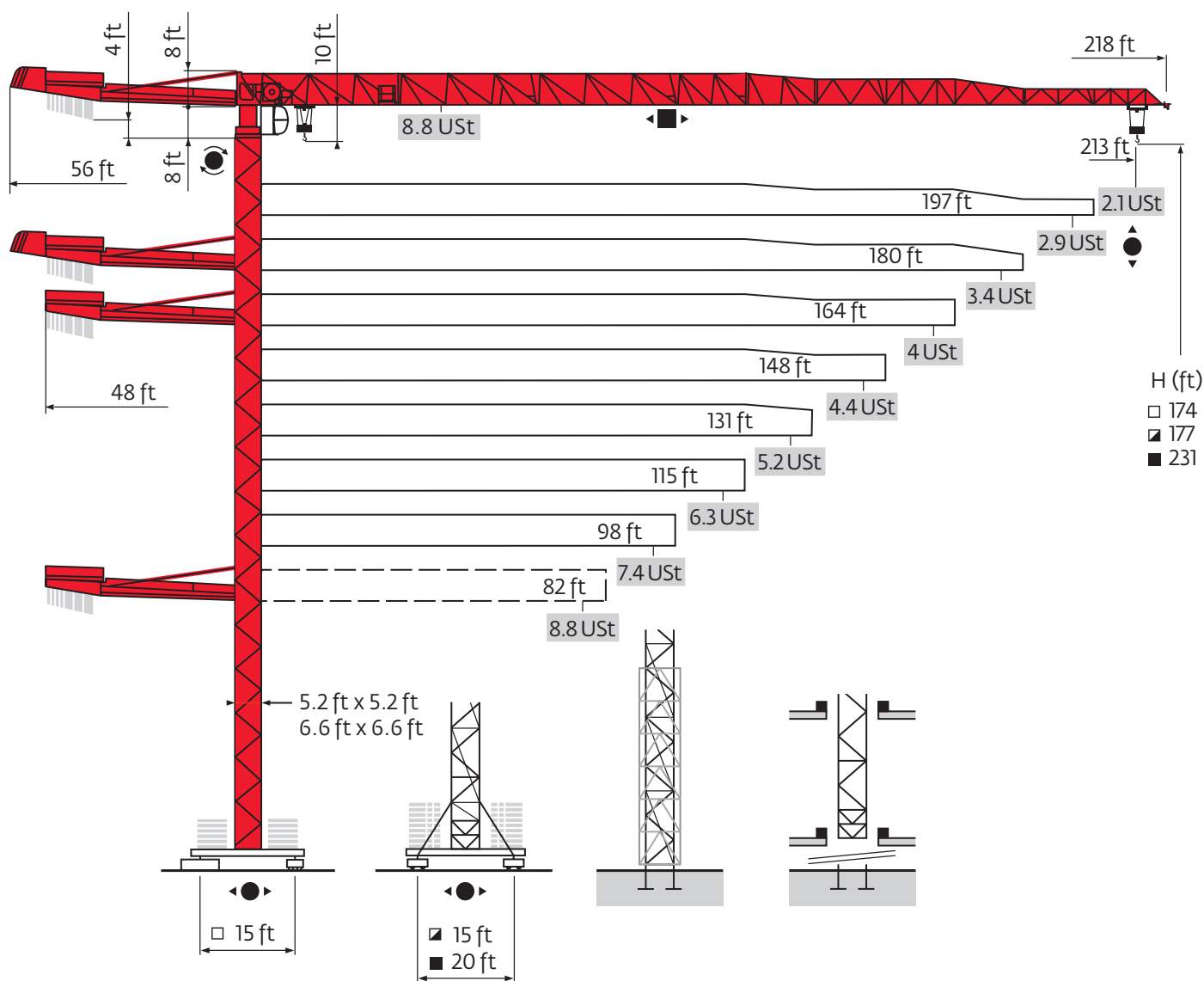


Potain MDT 218 A

Data Sheets

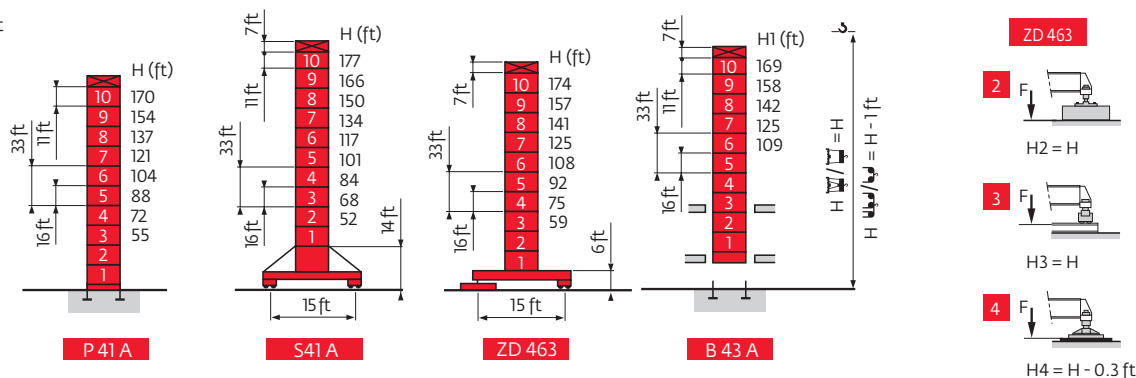
FEM 1.001-A3

MDT 218 A J8

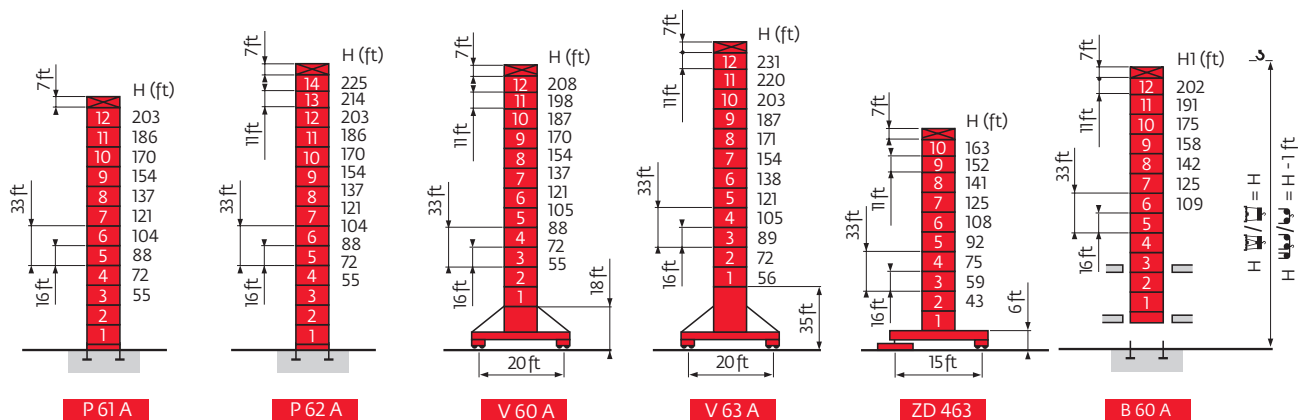


Mast

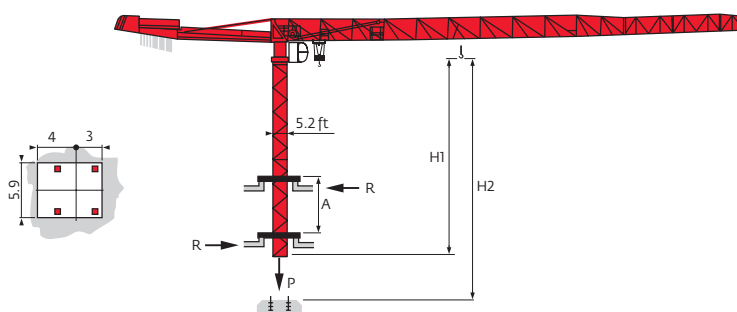
5.2 ft



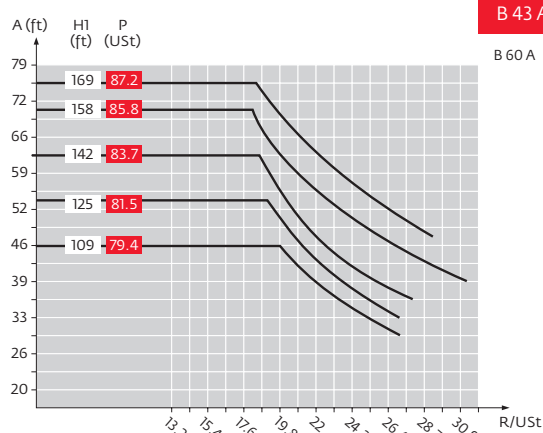
☒ 6.6 ft



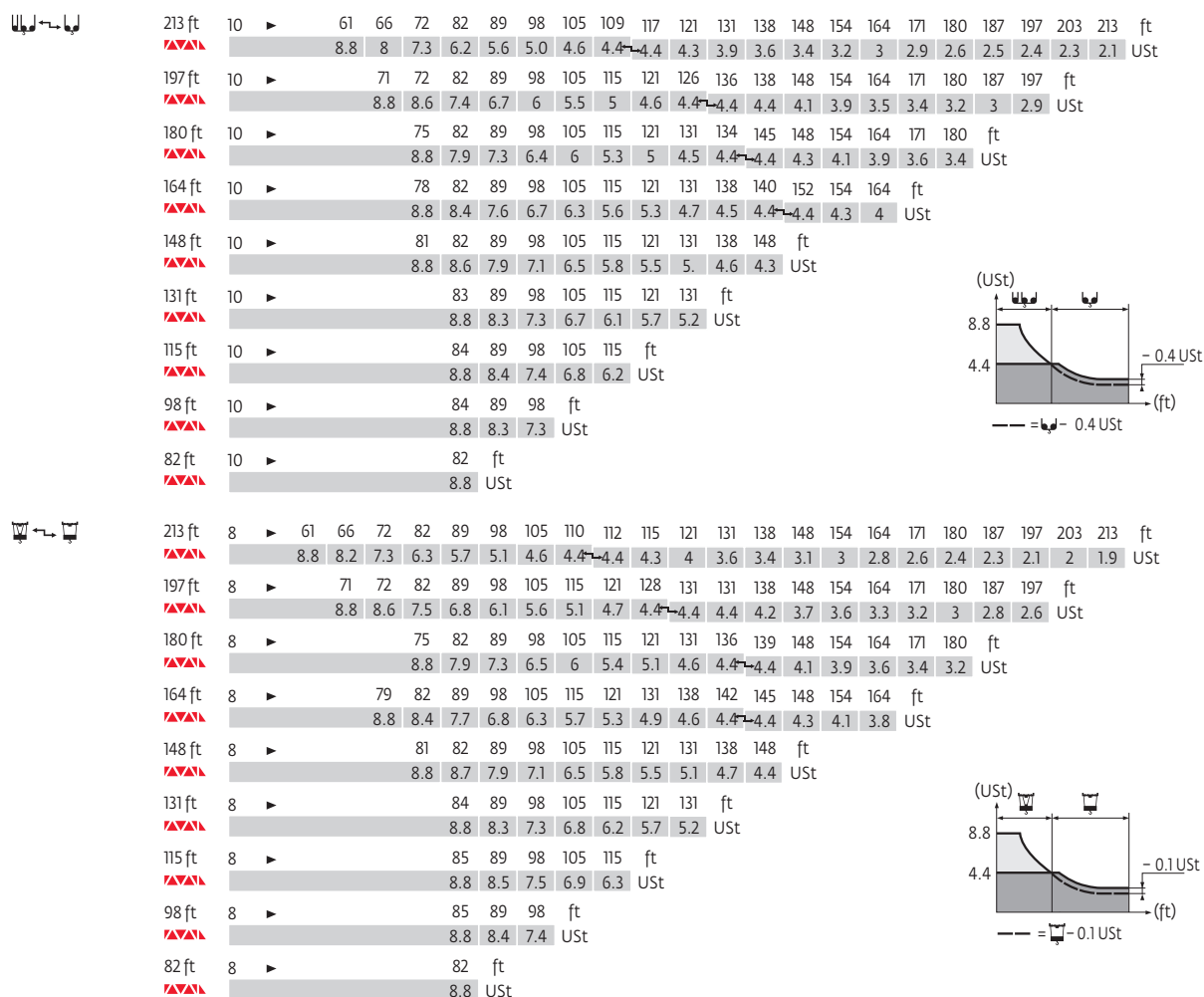
Climbing crane



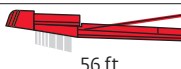
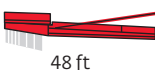
A	Distance between collars
H1	Crane height
P	Crane weight (in service)
R	Horizontal reaction
	See climbing crane



Load charts



Counter-jib ballast

	2425 lb - 7937 lb	
		(lb)
213 ft		41,446
197 ft		41,446
180 ft		41,446
164 ft		41,446
148 ft		39,021
131 ft		36,596
115 ft		34,171
98 ft		31,746
82 ft		28,660

Base ballast

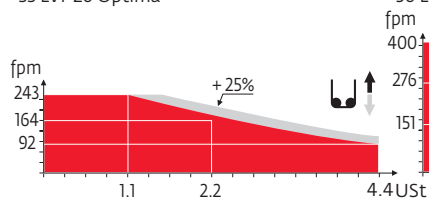
5.2 ft	S 41 A	 H (ft)	177	166	150	134	117	101	84	68	52			
		 (USt)	126	106	93	86	86	86	86	86	86			
5.2 ft	ZD 463	 H (ft)	174	157	141	125	108	92	75	59				
		 (USt)	116°	94	83	83	83	83	83	83				
6.6 ft	V 60 A	 H (ft)	208	198	187	170	154	137	121	105	88	72	55	
		 (USt)	146	119	106	79	53	40	40	40	40	40	40	
6.6 ft	V 63 A	 H (ft)	231	220	203	187	171	154	138	121	105	89	72	56
		 (USt)	185	172	132	106	79	53	40	40	40	40	40	40
6.6 ft	ZD 463	 H (ft)	163	152	141	125	108	92	75	59	43			
		 (USt)	121°	94	77	77	77	77	77	77	77			



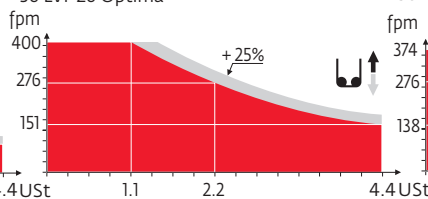
Mechanisms

																	hp	kW	
	33 LVF20 Optima	fpm	7	29	92	118	164	243	4	14	46	59	82	121	30	22	951 ft		
		USt	4.4	4.4	4.4	3.3	2.2	1.1	8.8	8.8	8.8	6.6	4.4	2.2					
	50 LVF20 Optima	fpm	12	49	151	190	276	400	6	25	75	95	138	200	50	37	1191 ft		
		USt	4.4	4.4	4.4	3.3	2.2	1.1	8.8	8.8	8.8	6.6	4.4	2.2					
	50 LVF20 GH Optima	fpm	12	46	138	184	276	374	6	23	69	92	138	187	50	37	1985 ft		
		USt	4.4	4.4	4.4	3.3	2.2	1.1	8.8	8.8	8.8	6.6	4.4	2.2					
	7 DVF 4	fpm	0 - 259													6.5	4.8		
	RVF152 Optima +	rpm	0 - 0.8													2 x 5.5	2 x 4		
	ZD 463 RT 443 AI2V	fpm	59 - 118													4 x 6	4 x 4.4		
	S 41 A RT 443 AI2V R ≥ 10 m	fpm	59 - 118													4 x 6	4 x 4.4		
	V 60 A RT 544 AI2V R ≥ 13 m	fpm	53 - 105													4 x 8.4	4 x 6.2		
	V 63 A																		
CEI 38 			IEC 38 							kVA 									
480 V (+6% -10%) 60 Hz										33 LVF : 50 kVA 50 LVF : 65 kVA									

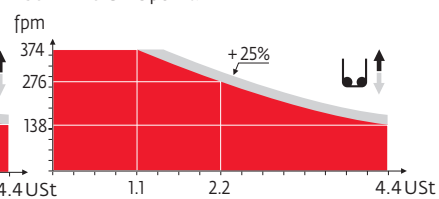
33 LVF 20 Optima



50 LVF 20 Optima



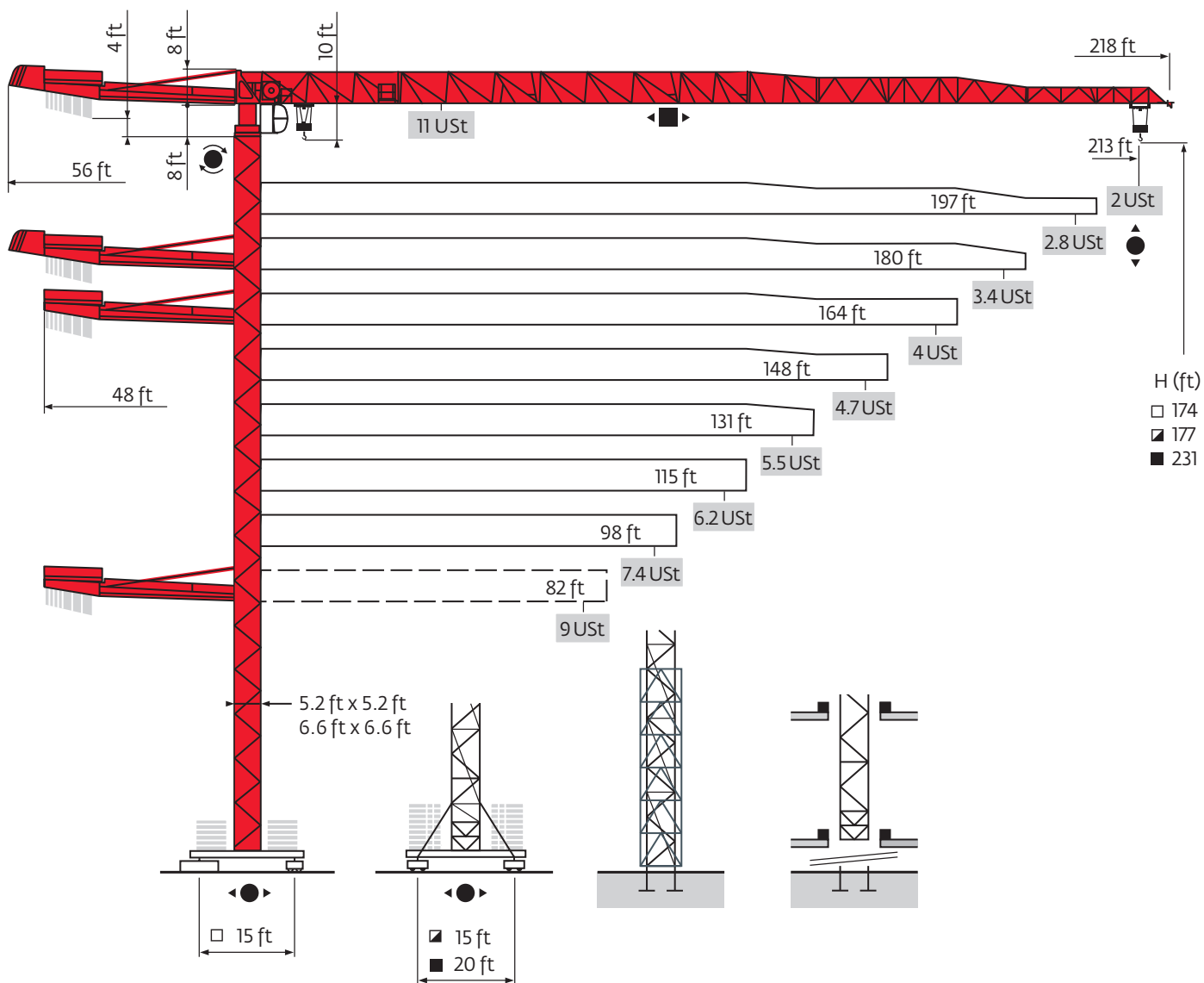
50 LVF 20 GH Optima



	Hoisting
	Trolleying
	Slewing
	Traveling



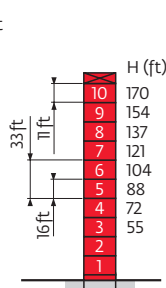
MDT 218 A J10



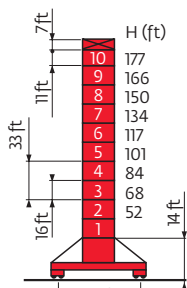


Mast

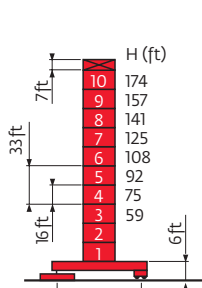
5.2 ft



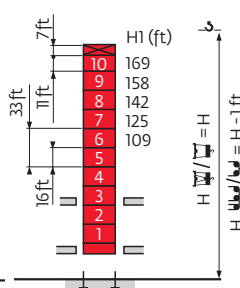
P 41 A



S 41 A

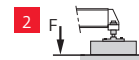


ZD 463



B 43 A

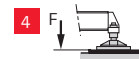
ZD 463



$$H2 = H$$

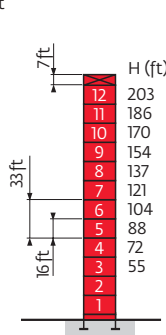


$$H3 = H$$

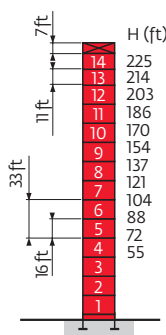


$$H4 = H - 0.3 \text{ ft}$$

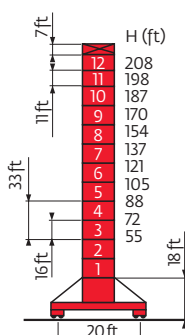
6.6 ft



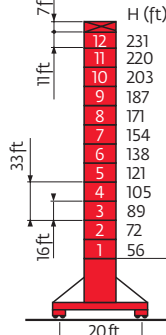
P 61 A



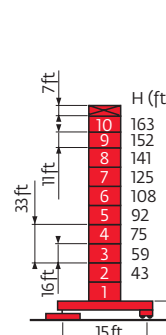
P 62 A



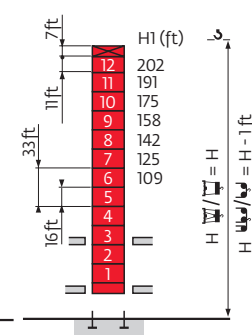
V 60 A



V 63 A

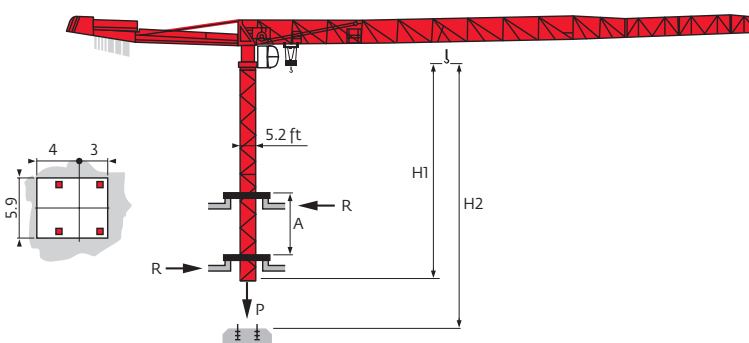


ZD 463



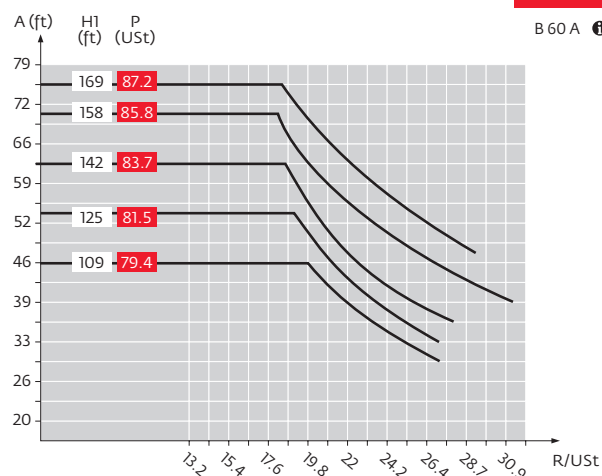
B 60 A

Climbing crane



B 43 A

B 60 A



- A** Distance between collars
- H1** Crane height
- P** Crane weight (in service)
- R** Horizontal reaction
- See climbing crane



Load charts



213 ft	10 ▶	49	56	66	72	82	88	94	98	105	115	121	131	138	148	154	164	171	180	187	197	203	213	ft
▲▲▲▲		11	9.5	7.8	6.9	6	5.5	5.5	5.3	4.9	4.4	4.1	3.3	3.5	3.3	3.1	2.9	2.7	2.5	3.3	2.3	2.1	2	USt
197 ft	10 ▶		57	66	72	82	89	98	102	110	115	121	131	138	148	154	164	171	180	187	197		ft	
▲▲▲▲			11	9.4	8.4	7.2	6.5	5.7	5.5	5.5	5.3	5	4.5	4.2	3.9	3.7	3.4	3.3	3.1	2.9	2.8		USt	
180 ft	10 ▶		62	66	72	82	89	98	105	112	119	121	131	138	148	154	164	171	180		ft			
▲▲▲▲			11	10.3	9.3	7.9	7.3	6.4	6	5.5	5.5	5.4	7.7	4.6	4.3	4.1	3.9	3.6	3.4		USt			
164 ft	10 ▶		64	66	72	82	89	98	105	115	117	125	131	138	148	154	164		ft					
▲▲▲▲			11	10.8	9.7	8.4	7.6	6.7	6.3	5.6	5.5	5.5	5.2	5	4.5	4.3	4		USt					
148 ft	10 ▶			66	72	82	89	98	105	115	120	128	131	138	148		ft							
▲▲▲▲				11	9.9	8.6	7.8	6.9	6.5	5.8	5.5	5.5	5.4	5.1	4.7		USt							
131 ft	10 ▶			68	72	82	89	98	105	115	121	123	131		ft									
▲▲▲▲				11	10.3	8.8	8.2	7.2	6.6	6	5.6	5.5	5.5		USt									
115 ft	10 ▶			66	72	82	89	98	105	115		ft												
▲▲▲▲				11	10.5	9	8.3	7.4	6.8	6.1		USt												
98 ft	10 ▶			69	72	82	89	98		ft														
▲▲▲▲				11	10.4	9	8.3	7.3		USt														
82 ft	10 ▶			68	72	82		ft																
▲▲▲▲				11	10.4	8.9		USt																

(USt)

11

5.5

11

10.4

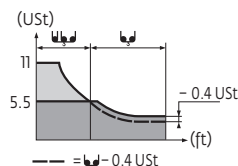
9

8.3

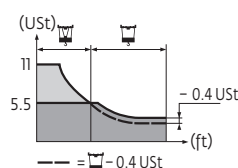
7.3

0.4 USt

(ft)



213 ft	10	▶	50	56	66	72	82	89	90	92	98	105	115	121	131	138	148	154	164	171	180	187	197	203	213	ft
▲▲▲▲			11	9.7	8	7.2	6.2	5.6	5.5	5.5	5.1	4.6	4.2	3.9	3.5	3.3	3	2.9	2.6	2.5	2.3	2.2	2	1.9	1.8	USt
197 ft	10	▶		58	66	72	82	89	98	104	106	115	121	131	138	148	154	164	171	180	187	197				ft
▲▲▲▲				11	9.5	8.5	7.4	6.7	6	5.5	5.5	5.1	4.7	4.3	4.1	3.7	3.5	3.3	3.1	2.9	2.7	2.5				USt
180 ft	10	▶		62	66	72	82	89	98	105	113	115	121	131	138	148	154	164	171	180						ft
▲▲▲▲				11	10.4	9.3	8	7.3	6.5	6	5.5	5.5	5.2	4.7	4.4	4.1	3.9	3.6	3.4	3.2						USt
164 ft	10	▶		65	66	72	82	89	98	105	115	118	120	121	131	138	148	154	164							ft
▲▲▲▲				11	10.8	9.7	8.4	7.7	6.8	6.3	5.7	5.5	5.5	5.4	5	4.7	4.3	4.1	3.8							USt
148 ft	10	▶			66	72	82	89	98	105	115	121	124	131	138	148										ft
▲▲▲▲					11	10	8.7	7.9	7.1	6.5	5.8	5.5	5.5	5.2	4.9	4.5										USt
131 ft	10	▶			69	72	82	89	98	105	115	121	125	128	131											ft
▲▲▲▲					11	10.4	9	8.3	7.3	6.8	6.1	5.7	5.5	5.5	5.3											USt
115 ft	10	▶			70	72	82	89	98	105	115															ft
▲▲▲▲					11	10.6	9.1	8.4	7.5	6.9	6.2															USt
98 ft	10	▶			69	72	82	89	98																	ft
▲▲▲▲					11	10.5	9.1	8.4	7.4																	USt
82 ft	10	▶			69	72	82																			ft
▲▲▲▲					11	10.5	9																			USt



Counter-jib ballast

	2425 lb - 7937 lb
▲▲▲▲	(lb)
213 ft	41,446
197 ft	41,446
180 ft	41,446
164 ft	41,446
148 ft	39,021
131 ft	36,596
115 ft	34,171
98 ft	31,746
82 ft	28,660

Base ballast

5.2 ft	S41 A	 H (ft)	177	166	150	134	117	101	84	68	52
		 (USt)	126	106	93	86	86	86	86	86	86

5.2 ft	ZD 463	 H (ft)	174	157	141	125	108	92	75	59
		 (USt)	116°	94	83	83	83	83	83	83

6.6 ft	V60 A	 H (ft)	208	198	187	170	154	137	121	105	88	72	55
		 (USt)	146	119	106	79	53	40	40	40	40	40	40

6.6 ft	V63 A	 H (ft)	231	220	203	187	171	154	138	121	105	89	72	56
		 (USt)	185	172	132	106	79	53	40	40	40	40	40	40

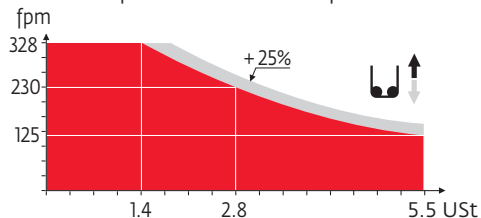
6.6 ft	ZD 463	 H (ft)	163	152	141	125	108	92	75	59	43
		 (USt)	121°	94	77	77	77	77	77	77	77



Mechanisms

																hp	kW		
	50 LVF25 Optima	fpm	10 - 39 - 125 - 164 - 230 - 328							5 - 20 - 62 - 82 - 115 - 164						50	37	912 ft	
	50 LVF25 GH Optima	USt	5.5	5.5	5.5	4.1	2.8	1.4	11	11	11	8.3	5.5	2.8					
	7 DVF4	fpm	0 - 259													6.5	4.8		
	RVF152 Optima +	rpm	0 - 0.8													2 x 5.5	2 x 4		
ZD 463 	RT 443 A12V	fpm	59 - 118													4 x 6	4 x 4.4		
S41A 	RT 443 A12V R ≥ 10 m	fpm	59 - 118													4 x 6	4 x 4.4		
V60 A 	RT 544 A12V R ≥ 13 m	fpm	53 - 105													4 x 8.4	4 x 6.2		
V63 A 																			
CEI 38 			IEC 38							kVA									
480 V (+6% -10%) 60 Hz										50 LVF : 65 kVA									

50 LVF25 Optima - 50 LVF25 GH Optima



	Hoisting
	Trolleying
	Slewing
	Traveling

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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