



Grove Manitowoc National Crane Potain

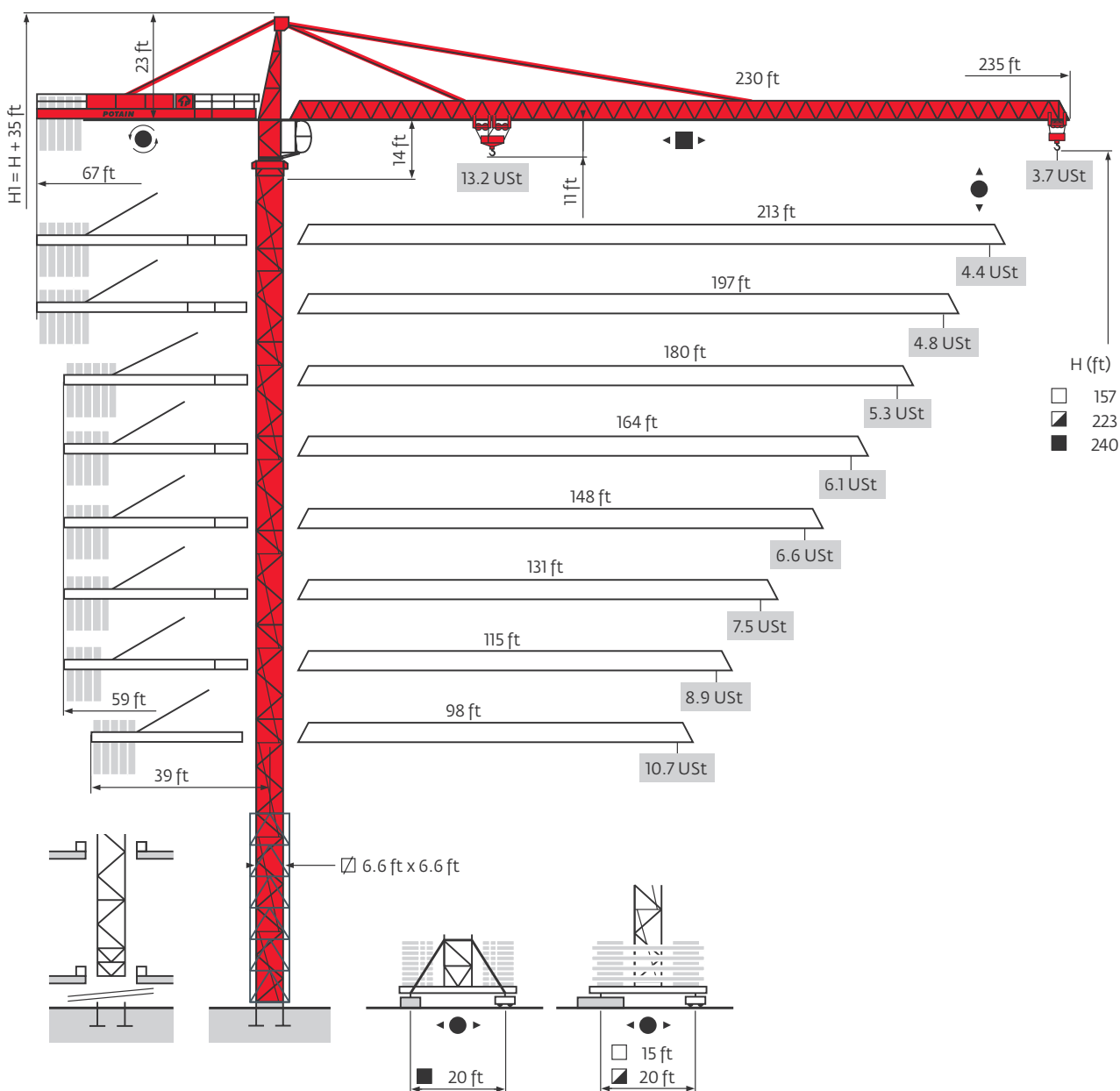


Potain MD 310 C

Data Sheets

FEM 1.001-A3

MD 310 C K12

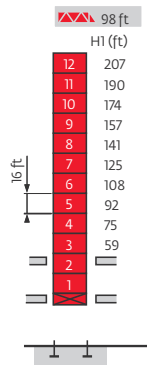
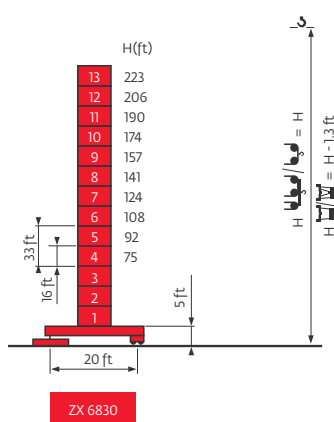
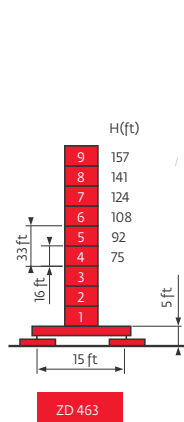
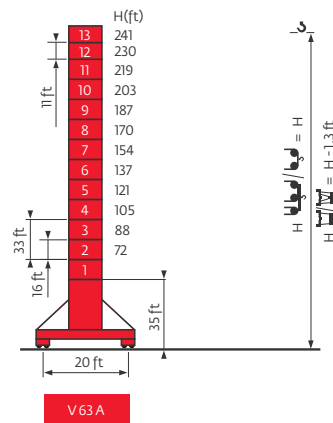
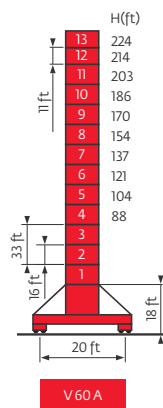
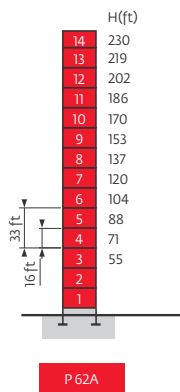
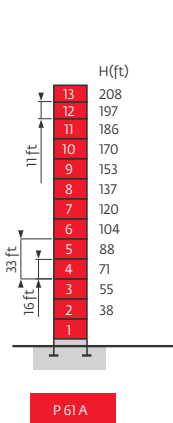




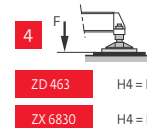
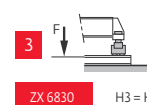
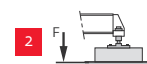
Mast

6.6 ft

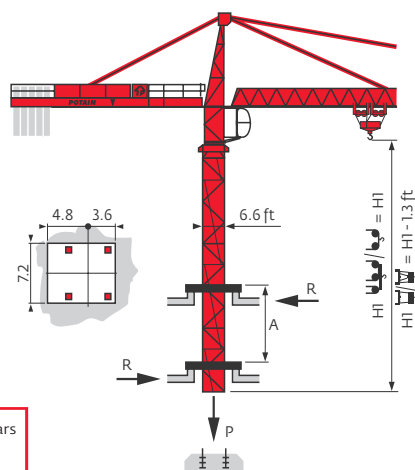
98 ft → 230 ft



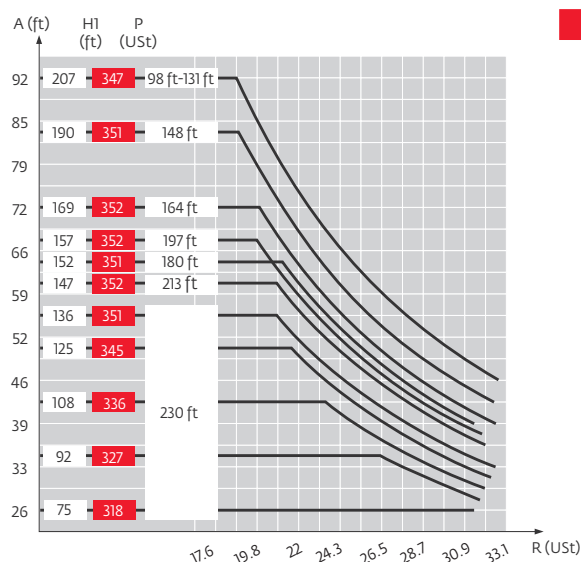
	H1 (ft)	16 ft	11 ft
115 ft	207	12	-
131 ft	207	12	-
148 ft	190	11	-
164 ft	169	9	1
180 ft	152	8	1
197 ft	157	9	2
213 ft	147	7	2
230 ft	136	7	1



Climbing crane

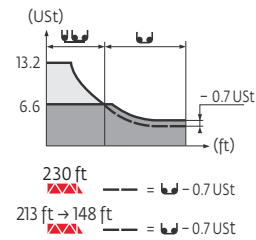
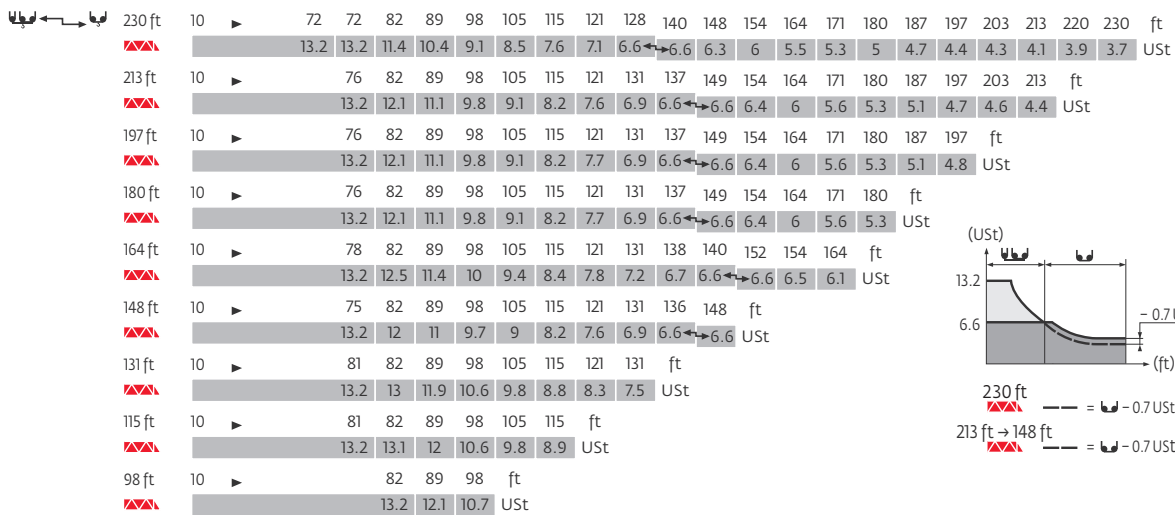
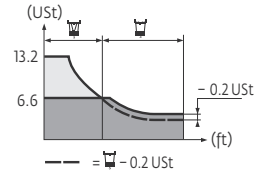
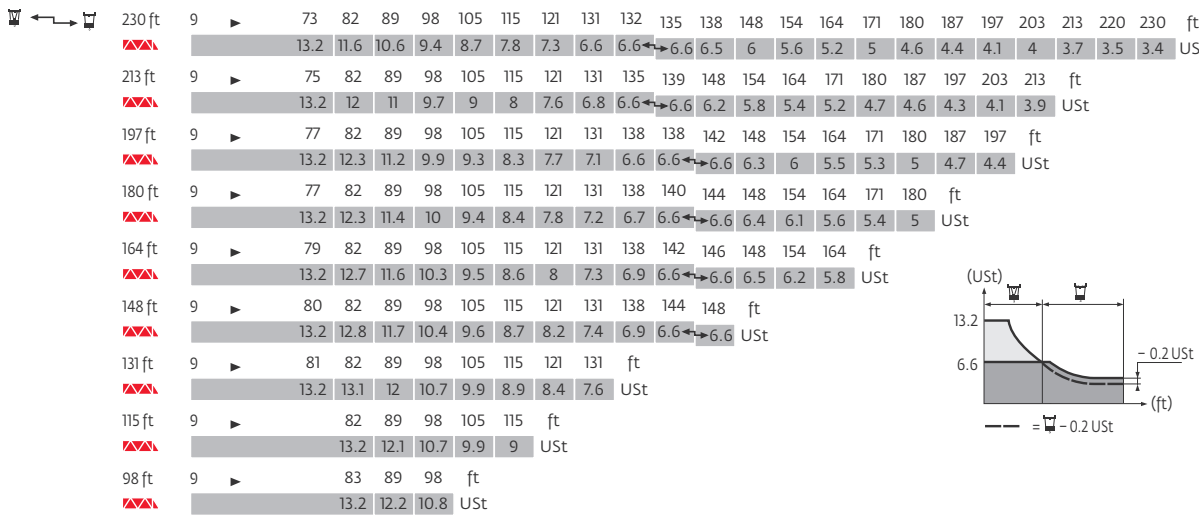


A	Distance between collars
H1	Crane height
P	Crane weight (in service)
R	Horizontal reaction
	See climbing crane





Load charts



Counter-jib ballast

	10,141 lb - 9259 lb - 5071 lb					9259 lb - 1543 lb			
		50LVF30	75LVF30	100LVF30	150LCC30		75LVF30	100LVF30	150LCC30
		 (lb)					 (lb)		
230 ft	67 ft	56,438	55,556	54,013	51,368	67 ft	55,556	54,013	50,927
213 ft	67 ft	53,131	52,250	51,368	48,061	67 ft	52,470	50,927	47,840
197 ft	67 ft	49,824	48,943	48,061	46,297	67 ft	49,384	47,840	46,297
180 ft	59 ft	57,320	56,438	55,777	52,250	59 ft	55,556	54,013	52,470
164 ft	59 ft	52,250	51,368	49,824	48,061	59 ft	50,927	49,384	47,840
148 ft	59 ft	44,754	43,872	42,990	40,786	59 ft	43,211	41,667	40,124
131 ft	59 ft	38,801	37,920	37,038	33,731	59 ft	37,038	35,494	33,951
115 ft	59 ft	33,731	32,849	30,424	28,660	59 ft	30,865	30,865	27,778
98 ft	39 ft	48,061	47,179	46,297	42,990	39 ft	46,297	44,754	43,211

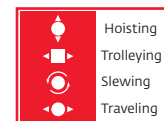
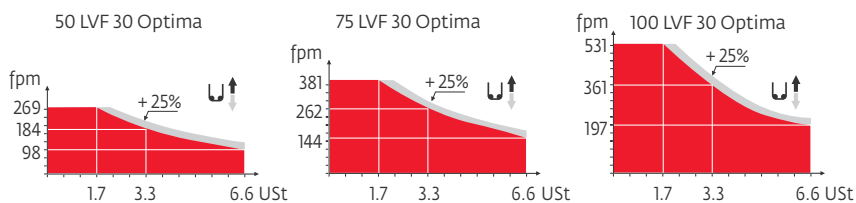
Base ballast

6.6 ft	V60 A	 H (ft)	224	214	203	186	170	154	137	121	104	88		
			 (USt)	145.5	132.3	105.8	79.4	79.4	79.4	66.1	66.1	66.1	66.1	
6.6 ft	V63 A	 H (ft)	241	230	219	203	187	170	154	137	121	105	88	72
			 (USt)	198.4	172	145.5	119	79.4	79.4	79.4	79.4	66.1	66.1	66.1
6.6 ft	ZD 463	 H (ft)	157	141	124	108	92	75	59	42				
			 (USt)	126.8	126.8	121.3	121.3	115.7	115.7	115.7	115.7			
6.6 ft	ZX 6830	 H (ft)	229	206	190	174	157	141	124	108	92	75		
			 (USt)	144.4	111.3	78.3	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2



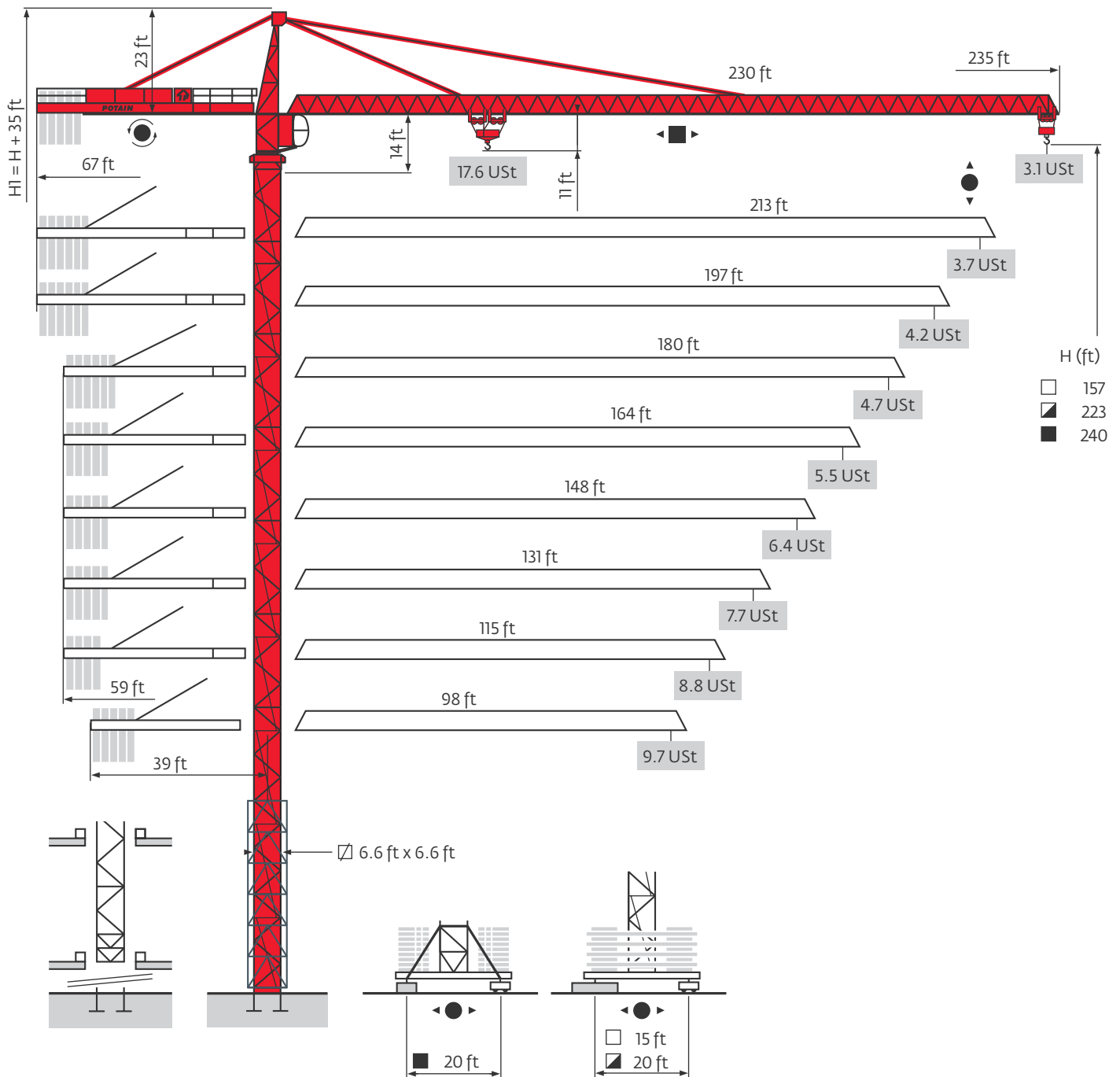
Mechanisms

																				hp	kW											
	50 LVF 30 Optima	fpm	9 → 33 → 98 → 131 → 184 → 269										4 → 16 → 49 → 66 → 92 → 135							50	37	1106 ft										
		USt	6.6	6.6	6.6	5	3.3	1.7					13.2	13.2	13.2	9.9	6.6	3.3														
	75 LVF 30 Optima	fpm	12 → 144 → 184 → 262 → 381										6 → 72 → 92 → 131 → 190							75	55	2513 ft										
		USt	6.6				5	3.3	1.7					13.2		9.9	6.6	3.3														
	100 LVF 30 Optima	fpm	0 → 197 → 262 → 361 → 531										0 → 98 → 131 → 180 → 266							100	75	3087 ft										
		USt	6.6				5	3.3	1.7					13.2		9.9	6.6	3.3														
	150 LCC 30	fpm	290 → 348 → 433 → 577 → 696										145 → 174 → 217 → 289 → 348							150	110	2497 ft										
		USt	6.6	5	3.3	1.7	0.8					13.2	9.9	6.6	3.3	1.7																
	6 DVF 4	fpm	0 → 164 (13.2 USt) 0 → 328 (6.6 USt) 0 → 394 (3.3 USt)																							5.5	4					
	RVF162 Optima +	rpm	0 → 0.7																							2 x 7.5	2 x 5.5					
	V 60 A RT 544 A1 2V R ≥ 13 m	fpm	52 - 105																							4 x 8.4	4 x 6.2					
	V 63 A																															
	ZX 6830 RT 664 A2B 2V	fpm	62 - 125																							6 x 8.4	6 x 6.2					
CEI 38													IEC 38										kVA									
480 V (+6% -10%) 60 Hz													50 LVF : 75 kVA 75 LVF : 100 kVA 100 LVF : 125 kVA 150 LCC : 175 kVA																			





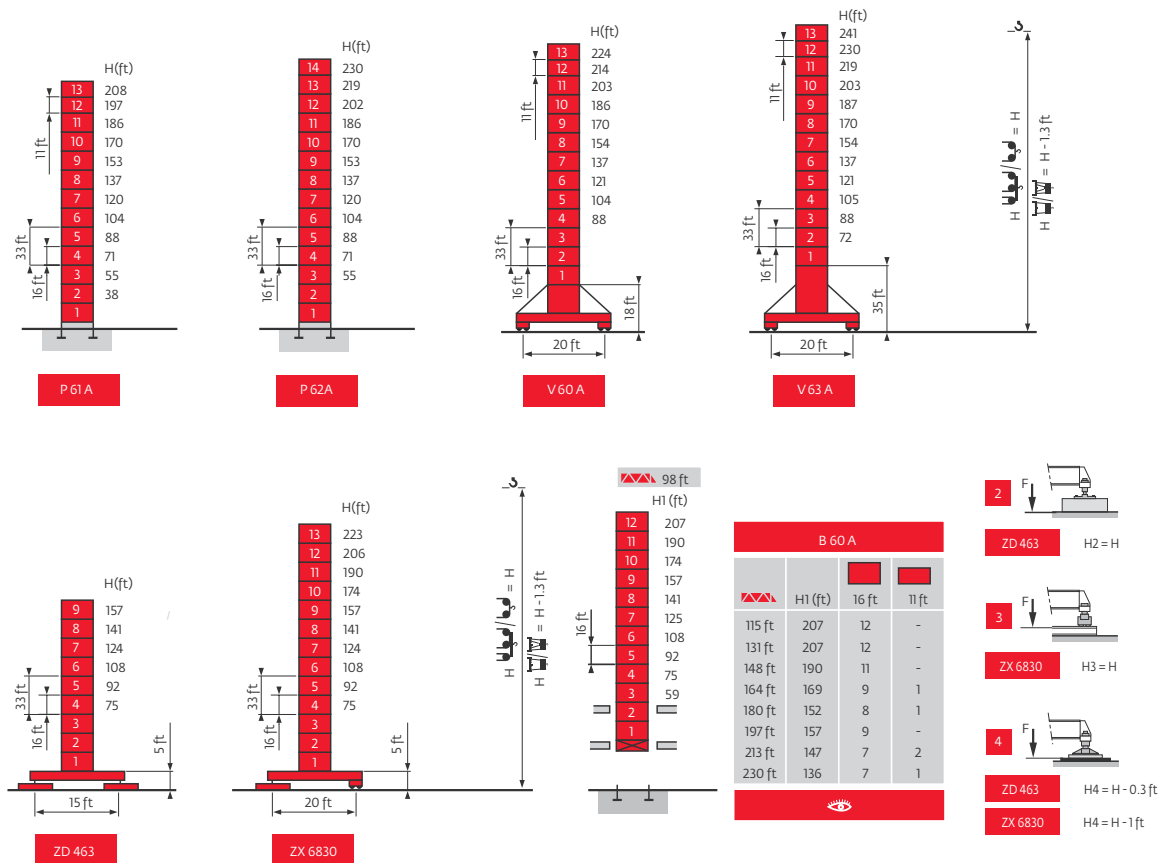
MD 310 C K16



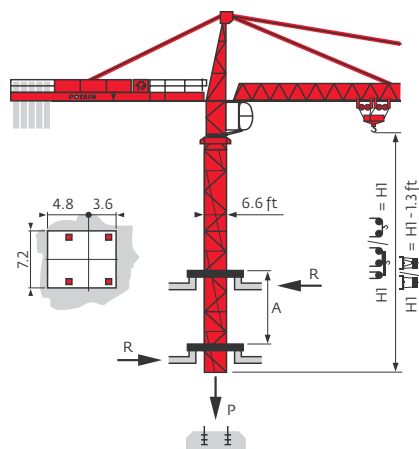


Mast

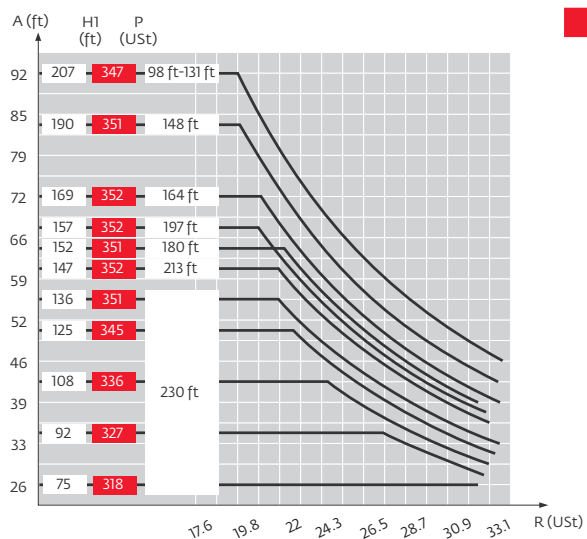
6.6 ft
98 ft → 230 ft



Climbing crane

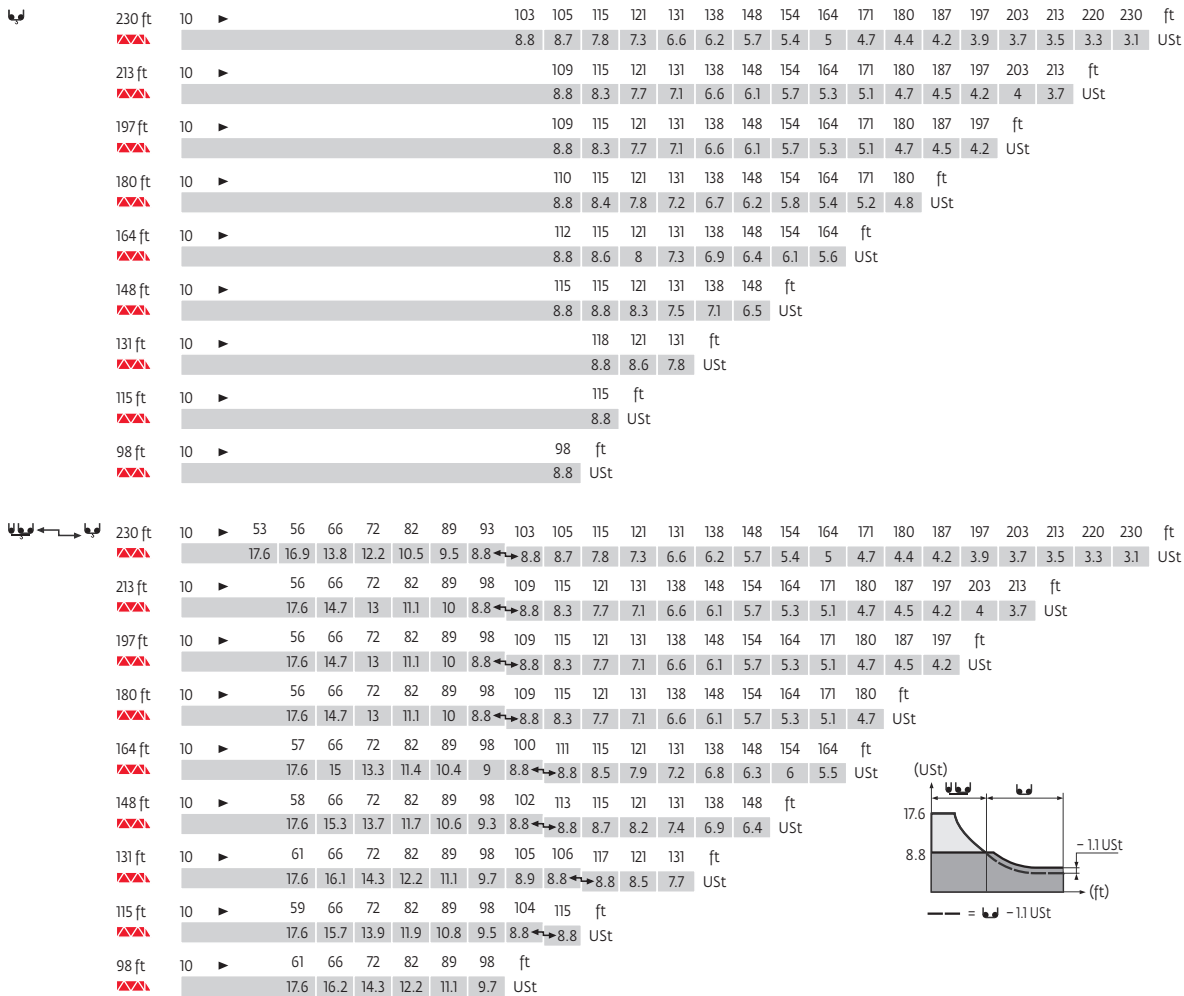


A	Distance between collars
H1	Crane height
P	Crane weight (in service)
R	Horizontal reaction
	See climbing crane





Load charts



Counter-jib ballast

		10,141 lb - 9259 lb - 5071 lb					9259 lb - 1543 lb		
		75LVF40	100LVF40	150LCC40			75LVF40	100LVF40	150LCC40
		(lb)					(lb)		
230 ft	67 ft	56,438	54,013	51,368	67 ft		55,556	54,013	50,927
213 ft	67 ft	53,131	51,368	48,061	67 ft		52,470	50,927	47,840
197 ft	67 ft	49,824	48,061	46,297	67 ft		49,384	47,840	46,297
180 ft	59 ft	57,320	55,777	52,250	59 ft		55,556	54,013	52,470
164 ft	59 ft	52,250	49,824	48,061	59 ft		50,927	49,384	47,840
148 ft	59 ft	44,754	42,990	40,565	59 ft		44,754	41,667	40,124
131 ft	59 ft	38,801	37,038	33,731	59 ft		38,581	35,494	33,951
115 ft	59 ft	33,731	30,424	28,660	59 ft		32,408	30,865	27,778
98 ft	39 ft	48,061	46,297	42,990	39 ft		47,840	44,754	43,211

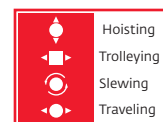
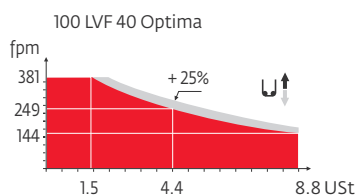
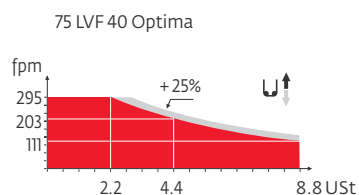
Base ballast

 6.6 ft	V 60 A	 H (ft)	224	214	203	186	170	154	137	121	104	88		
		 (USt)	145.5	132.3	105.8	79.4	79.4	79.4	66.1	66.1	66.1	66.1		
 6.6 ft	V 63 A	 H (ft)	241	230	219	203	187	170	154	137	121	105	88	72
		 (USt)	198.4	172	145.5	119	79.4	79.4	79.4	79.4	66.1	66.1	66.1	66.1
 6.6 ft	ZD 463	 H (ft)	157	141	124	108	92	75	59	42				
		 (USt)	126.8	126.8	121.3	121.3	115.7	115.7	115.7	115.7				
 6.6 ft	ZX 6830	 H (ft)	229	206	190	174	157	141	124	108	92	75		
		 (USt)	144.4	111.3	78.3	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	



Mechanisms

															hp	kW		
	75 LVF 40 Optima	fpm	0 - 111 - 144 - 203 - 295								0 - 55 - 72 - 102 - 148				75	55	2090 ft	
	USt	8.8				6.6 4.4 2.2				17.6		13.2 8.8 4.4						
	100 LVF 40 Optima	fpm	0 - 144 - 184 - 249 - 381								0 - 72 - 92 - 112 - 190				100	75	3727 ft	
USt	8.8				6.6 4.4 1.5				17.6		13.2 8.8 3.1							
	150 LCC 40	fpm	230 - 276 - 348 - 459 - 551								115 - 138 - 174 - 230 - 176				150	110	3583 ft	
		USt	8.8 6.6 4.4 2.2 1.1				17.6 13.2 8.8 4.4 2.2											
	6 DVF 6	fpm	0 - 134 (17.6 USt) 0 - 276 (8.8 USt) 0 - 328 (4.4 USt)											5.5	4			
	RVF 162 Optima +	rpm	0 - 0.7											2 x 7.5	2 x 5.5			
V 60 A 	RT 544 A1 2V R ≥ 13 m	fpm	52 - 105											4 x 8.4	4 x 6.2			
V 63 A 																		
ZX 6830 	RT 664 A2B 2V	fpm	62 - 125											6 x 8.4	6 x 6.2			
CEI 38 			IEC 38					kVA										
480 V (+6% -10%) 60 Hz								75 LVF : 100 kVA 100 LVF : 125 kVA 150 LCC : 175 kVA										



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.



www.manitowoc.com

Regional Headquarters

Americas

Manitowoc, Wisconsin, USA
Tel: +1 920 684 6621
Fax: +1 920 683 6277

Shady Grove, Pennsylvania, USA
Tel: +1 717 597 8121
Fax: +1 717 597 4062

Europe, Middle East, Africa

Ecully, France
Tel: +33 472 18 2020
Fax: +33 472 18 2000

Asia - Pacific

Shanghai, China
Tel: +86 21 6457 0066
Fax: +86 21 6457 4955

Potain MD 310 C
Code 09-001-1M-109