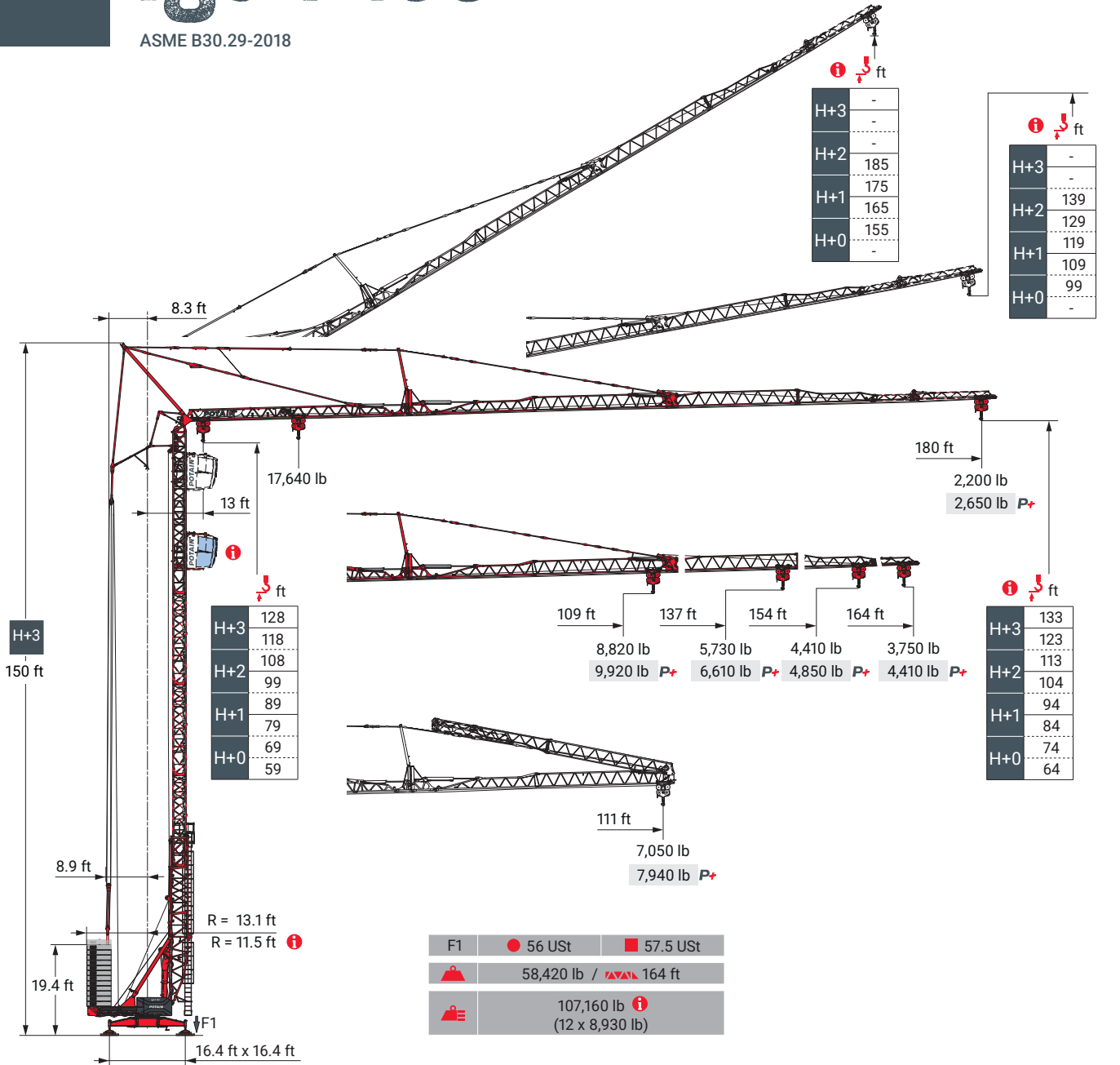


POTAIN®

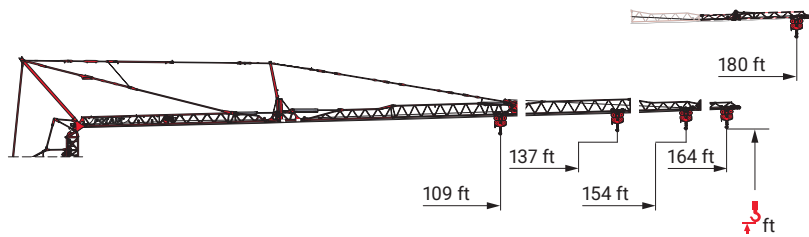
Igo T 139

ASME B30.29-2018



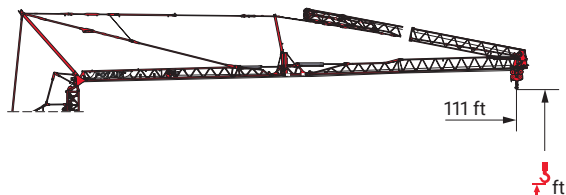
Values have been rounded.

Load curves



ft	109	137	154	164	180	
H+3	131	131	132	132	133	4
H+2	121	122	122	123	123	3
H+1	101	102	103	103	104	2
H+0	91	92	93	93	94	1
	82	82	83	83	84	
	72	72	73	73	74	
	62	63	63	64	64	

																										
		ft	17,640 lb	22	32	45	59	65	72	78	85	91	98	105	109	111	118	124	131	137	144	154	164	170	180	ft
1	180	13 → 32	17,640	17,640	12,200	9,200	8,160	7,300	6,590	5,990	5,480	5,030	4,640	-	4,300	3,990	3,720	3,470	3,250	3,050	2,780	2,540	2,400	2,200	lb	
		13 → 32	17,640	17,640	12,770	9,900	8,870	8,010	7,290	6,680	6,140	5,680	5,270	-	4,910	4,580	4,290	4,030	3,790	3,570	3,280	3,020	2,860	2,650	lb	P+
	164	13 → 42	17,640	17,640	16,300	12,440	11,090	9,980	9,050	8,270	7,600	7,020	6,510	-	6,050	5,650	5,300	4,970	4,680	4,420	4,060	3,750	lb			
		13 → 42	17,640	17,640	16,500	13,070	11,810	10,760	9,860	9,090	8,420	7,830	7,310	-	6,850	6,430	6,060	5,720	5,410	5,130	4,750	4,410	lb	P+		
	154	13 → 45	17,640	17,640	17,640	13,440	11,970	10,770	9,770	8,930	8,210	7,580	7,030	-	6,550	6,120	5,730	5,390	5,080	4,790	4,410	lb				
		13 → 45	17,640	17,640	17,640	13,790	12,400	11,240	10,270	9,440	8,720	8,100	7,540	-	7,050	6,610	6,220	5,860	5,540	5,250	4,850	lb	P+			
	137	13 → 49	17,640	17,640	17,640	14,610	13,080	11,830	10,770	9,870	9,100	8,430	7,850	-	7,330	6,860	6,450	6,070	5,730	lb						
		13 → 49	17,640	17,640	17,640	15,080	13,730	12,590	11,610	10,760	10,010	9,360	8,770	-	8,250	7,780	7,350	6,970	6,610	lb	P+					
	109	13 → 50	17,640	17,640	17,640	15,570	14,220	13,070	12,080	11,220	10,460	9,800	9,200	8,820	lb											
		13 → 50	17,640	17,640	17,640	15,970	14,840	13,840	12,970	12,190	11,490	10,860	10,290	9,920	lb	P+										
2	180	13 → 29	17,640	15,940	11,390	8,750	7,810	7,030	6,380	5,820	5,340	4,920	4,550	-	4,230	3,940	3,670	3,440	3,220	3,030	2,770	2,540	2,400	2,200	lb	
		13 → 29	17,640	16,160	12,010	9,460	8,530	7,740	7,070	6,500	6,000	5,560	5,170	-	4,830	4,520	4,240	3,990	3,750	3,540	3,260	3,010	2,850	2,650	lb	P+
	164	13 → 34	17,640	17,640	13,680	10,800	9,750	8,860	8,110	7,460	6,900	6,400	5,970	-	5,580	5,230	4,910	4,630	4,370	4,130	3,810	3,530	lb			
		13 → 34	17,640	17,640	14,220	11,570	10,560	9,700	8,950	8,300	7,740	7,230	6,780	-	6,370	6,010	5,670	5,370	5,100	4,840	4,500	4,190	lb	P+		
	154	13 → 39	17,640	17,640	15,180	11,920	10,740	9,750	8,910	8,190	7,570	7,030	6,550	-	6,120	5,740	5,390	5,080	4,800	4,540	4,190	lb				
		13 → 39	17,640	17,640	15,520	12,570	11,450	10,500	9,690	8,980	8,360	7,810	7,310	-	6,880	6,480	6,120	5,790	5,500	5,220	4,850	lb	P+			
	137	13 → 44	17,640	17,640	17,060	13,450	12,130	11,030	10,100	9,300	8,610	8,000	7,460	-	6,990	6,560	6,180	5,830	5,510	lb						
		13 → 44	17,640	17,640	17,160	14,060	12,880	11,860	10,980	10,210	9,540	8,940	8,400	-	7,920	7,480	7,090	6,720	6,390	lb	P+					
	109	13 → 50	17,640	17,640	17,640	15,570	14,220	13,070	12,080	11,220	10,460	9,800	9,200	8,820	lb											
		13 → 50	17,640	17,640	17,640	15,970	14,840	13,840	12,970	12,190	11,490	10,860	10,290	9,920	lb	P+										
3	180	13 → 23	17,640	12,880	9,340	7,220	6,460	5,820	5,280	4,810	4,410	4,060	3,750	-	3,480	3,230	3,010	2,820	2,630	2,470	2,240	2,050	1,930	1,760	lb	
		13 → 23	17,640	13,450	10,110	8,010	7,230	6,570	6,010	5,520	5,100	4,720	4,390	-	4,090	3,830	3,590	3,370	3,170	2,990	2,740	2,520	2,390	2,200	lb	P+
	164	13 → 30	17,640	16,590	12,310	9,700	8,730	7,930	7,240	6,660	6,150	5,700	5,300	-	4,950	4,630	4,340	4,090	3,850	3,630	3,340	3,090	lb			
		13 → 30	17,640	16,770	13,010	10,560	9,620	8,830	8,140	7,540	7,020	6,550	6,130	-	5,760	5,420	5,120	4,840	4,580	4,350	4,030	3,750	lb	P+		
	154	13 → 32	17,640	17,640	13,240	10,510	9,500	8,640	7,920	7,300	6,750	6,270	5,850	-	5,470	5,130	4,820	4,550	4,290	4,060	3,750	lb				
		13 → 32	17,640	17,640	13,800	11,260	10,290	9,460	8,740	8,120	7,560	7,070	6,630	-	6,240	5,880	5,560	5,260	5,000	4,750	4,410	lb	P+			
	137	13 → 37	17,640	17,640	15,090	12,190	11,100	10,170	9,380	8,680	8,080	7,540	7,060	-	6,630	6,250	5,900	5,580	5,290	lb						
		13 → 37	17,640	17,640	15,410	12,760	11,740	10,850	10,080	9,400	8,790	8,260	7,770	-	7,340	6,940	6,590	6,250	5,950	lb	P+					
	109	13 → 47	17,640	17,640	17,640	14,990	13,790	12,760	11,860	11,060	10,360	9,740	9,180	8,820	lb											
		13 → 47	17,640	17,640	17,640	15,400	14,340	13,410	12,590	11,850	11,190	10,590	10,050	9,700	lb	P+										
4	180	13 → 41	8,820	8,820	7,950	6,250	5,610	5,080	4,620	4,220	3,880	3,580	3,310	-	3,070	2,850	2,660	2,480	2,320	2,170	1,970	1,800	1,690	1,540	lb	
	164	13 → 49	8,820	8,820	8,820	7,600	6,940	6,380	5,880	5,450	5,070	4,730	4,420	-	4,150	3,900	3,670	3,460	3,270	3,100	2,860	2,650	lb			
	154	13 → 23	17,640	13,990	10,880	8,830	8,050	7,380	6,800	6,290	5,850	5,450	5,100	-	4,780	4,490	4,230	3,990	3,780	3,580	3,310	lb				
	137	13 → 29	17,640	16,500	13,060	10,740	9,840	9,070	8,400	7,810	7,290	6,830	6,410	-	6,040	5,700	5,390	5,110	4,850	lb						
	109	13 → 42	17,640	17,640	16,780	14,030	12,940	12,000	11,180	10,450	9,810	9,230	8,710	8,380	lb											

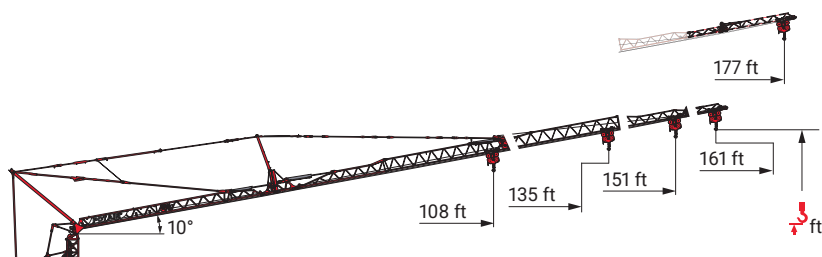


ft	137	154	164	180
H+3	131			
H+2	121			
H+1	111			
H+0	91			
	82			
	72			
	62			

4
3
2
1

ft	17,640 lb	22	32	45	59	65	72	78	85	91	98	105	111	ft
180 - 164 - 154 - 137	13 → 45	17,640	17,640	17,640	13,770	12,380	11,230	10,250	9,420	8,700	8,070	7,520	7,050	lb
	13 → 45	17,640	17,640	17,640	14,320	13,060	12,000	11,080	10,280	9,580	8,960	8,410	7,940	lb P+
180 - 164 - 154 - 137	13 → 41	17,640	17,640	16,010	12,790	11,600	10,590	9,730	8,990	8,340	7,770	7,260	6,830	lb
	13 → 41	17,640	17,640	16,270	13,440	12,350	11,400	10,580	9,870	9,230	8,660	8,150	7,720	lb P+
180 - 164 - 154 - 137	13 → 34	17,640	17,640	14,080	11,360	10,340	9,470	8,720	8,080	7,510	7,000	6,550	6,170	lb
	13 → 34	17,640	17,640	14,600	12,150	11,180	10,350	9,620	8,980	8,420	7,910	7,450	7,050	lb P+
180 - 164 - 154 - 137	13 → 23	17,640	14,470	11,600	9,630	8,850	8,180	7,590	7,070	6,610	6,200	5,830	5,510	lb

Jib raised to 10°



ft	109	137	154	164	180
H+3	-	-	-	-	-
H+2	126	130	134	135	139
H+1	116	121	124	126	129
H+0	106	111	114	116	119
	96	101	104	106	109
	86	91	94	96	99
	-	-	-	-	-

3
2
1

ft	2,870 lb	98	105	108	111	118	124	131	135	137	144	150	151	157	161	164	170	177	ft
180	13 → 131	2,870	2,870	2,870	2,870	2,870	2,870	2,870	-	2,660	2,480	2,310	-	2,160	-	2,020	1,890	1,770	lb
164	13 → 161	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	lb			
154	13 → 151	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	lb					
137	13 → 135	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	lb									
109	13 → 108	2,870	2,870	2,870	lb														
180	13 → 95	2,770	2,590	2,500	2,430	2,270	2,130	2,010	-	1,890	1,780	1,680	-	1,580	-	1,490	1,410	1,330	lb
164	13 → 161	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	lb			
154	13 → 151	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	lb					
137	13 → 135	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	lb									
109	13 → 108	2,870	2,870	2,870	lb														



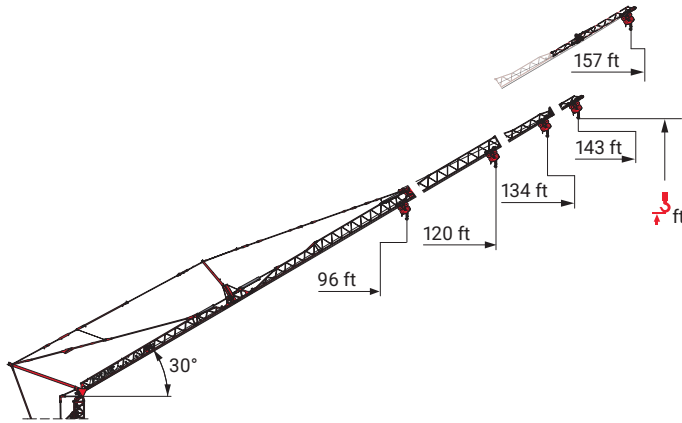
ft	137	154	164	180
H+3	-			
H+2	126			
H+1	116			
H+0	106			
	96			
	86			
	-			

3
2
1

ft	2,870 lb	98	105	109	ft
180 - 164 - 154 - 137	13 → 109	2,870	2,870	2,870	lb

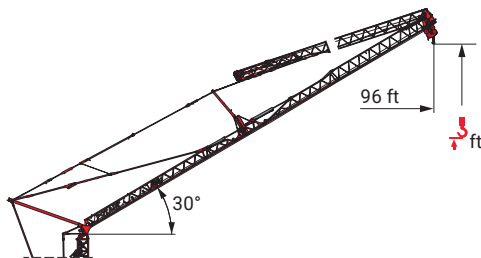
1	2	3
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Jib raised to 30°



ft	109	137	154	164	180
H+3	-	-	-	-	-
H+2	-	182	191	-	-
H+1	139	153	161	166	175
H+0	119	133	142	147	155

ft	8,820 lb	52	59	65	72	78	85	91	96	98	105	111	118	120	124	131	134	137	143	144	150	157	ft
180	13 → 52	8,820	7,730	6,850	6,130	5,530	5,020	4,590	-	4,210	3,870	3,580	3,320	-	3,080	2,870	2,780	2,680	-	2,510	2,350	2,200	lb
164	13 → 68	8,820	8,820	8,820	8,380	7,610	6,960	6,400	-	5,910	5,480	5,100	4,760	-	4,460	4,180	4,050	3,930	3,750	-	-	-	lb
154	13 → 72	8,820	8,820	8,820	8,820	8,050	7,390	6,820	-	6,330	5,880	5,490	5,140	-	4,830	4,540	4,410	-	-	-	-	-	lb
137	13 → 82	8,820	8,820	8,820	8,820	8,820	8,450	7,790	-	7,220	6,710	6,260	5,860	5,730	-	-	-	-	-	-	-	-	lb
109	13 → 96	8,820	8,820	8,820	8,820	8,820	8,820	8,820	8,820	-	-	-	-	-	-	-	-	-	-	-	-	-	lb
180	13 → 52	8,820	7,730	6,850	6,130	5,530	5,020	4,590	-	4,210	3,870	3,580	3,320	-	3,080	2,870	2,780	2,680	-	2,510	2,350	2,200	lb
164	13 → 67	8,820	8,820	8,820	8,140	7,360	6,710	6,140	-	5,660	5,230	4,850	4,520	-	4,220	3,950	3,830	3,710	3,530	-	-	-	lb
154	13 → 70	8,820	8,820	8,820	8,600	7,820	7,160	6,590	-	6,080	5,650	5,260	4,910	-	4,600	4,320	4,190	-	-	-	-	-	lb
137	13 → 78	8,820	8,820	8,820	8,820	8,820	8,100	7,470	-	6,920	6,440	6,020	5,640	5,510	-	-	-	-	-	-	-	-	lb
109	13 → 96	8,820	8,820	8,820	8,820	8,820	8,820	8,820	8,820	-	-	-	-	-	-	-	-	-	-	-	-	-	lb
164	13 → 54	8,820	8,000	7,090	6,350	5,730	5,200	4,750	-	4,360	4,020	3,710	3,450	-	3,200	2,990	2,890	2,790	2,650	-	-	-	lb
154	13 → 57	8,820	8,560	7,660	6,910	6,280	5,740	5,270	-	4,870	4,510	4,190	3,900	-	3,650	3,410	3,310	-	-	-	-	-	lb
137	13 → 67	8,820	8,820	8,820	8,190	7,470	6,850	6,320	-	5,850	5,430	5,070	4,740	4,630	-	-	-	-	-	-	-	-	lb



ft	137	154	164	180
H+3	-	-	-	-
H+2	-	-	-	-
H+1	149	139	129	119
H+0	-	-	-	-

ft	8,820 lb	52	59	65	72	78	85	91	96	ft
180 - 164 - 154 - 137	13 → 78	8,820	8,820	8,820	8,820	8,820	8,070	7,430	7,050	lb
180 - 164 - 154 - 137	13 → 75	8,820	8,820	8,820	8,820	8,440	7,760	7,180	6,830	lb

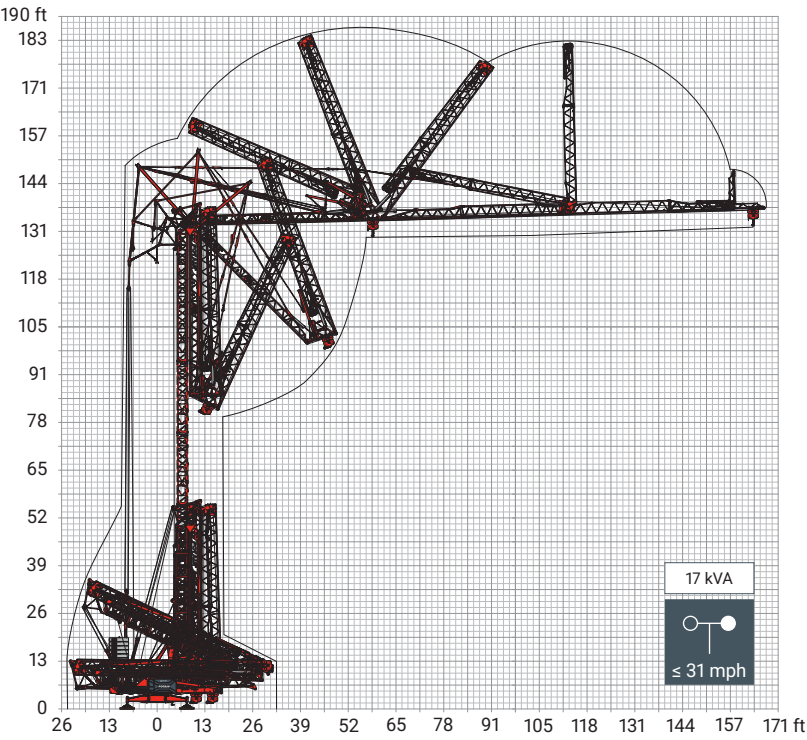
Mechanisms

480 V - 60 Hz			 (↗↘)						 (↗↘ 10°)			hp	kW
	25 HPL™ 20	fpm	5	38	49	74	115	167	5	136	167	25	18
		lb	17,640	17,640	13,240	8,820	4,410	1,100	2,870	2,870	1,100		
	5 DVF 5 Optima	fpm	16	112	128	180	230		16	49	98	5.5	4
		lb	17,640	17,640	13,240	4,410	440		2,870	2,870	440		
	HPS 162	rpm	0 → 0.8									2 x 7.5	2 x 5.5

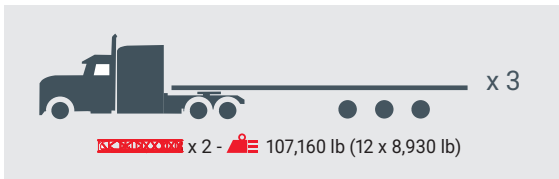
480 V - 60 Hz			 (↗↘ 30°)					hp	kW
	25 HPL™ 20	fpm	10	74	97	138	200	25	18
		lb	8,820	8,820	6,610	4,410	2,200		
	5 DVF 5 Optima	fpm	16			98		5.5	4
		lb	8,820			8,820			
	HPS 162	rpm	0 → 0.8					2 x 7.5	2 x 5.5

 IEC 60204-32	 kVA	
480 V (+6% -10%) 60 Hz	 32 → 23 kVA  36 → 26 kVA	

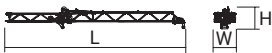
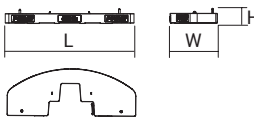
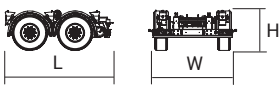
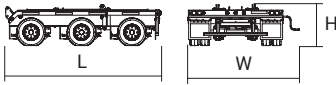
Erection



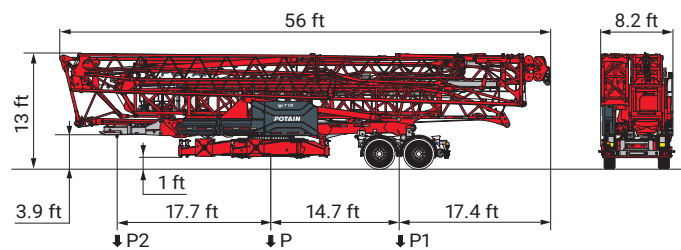
Transport



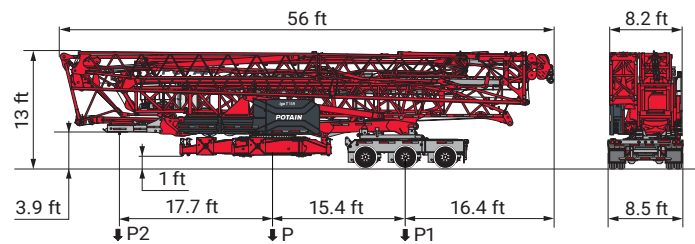
Dimensions and weight

Description		L (ft)	W (ft)	H (ft)	lb (+/- 5%)	
	Extension mast	19.7	3	3.1	2,534	
	180 ft jib option	154 ft --> 180 ft	26.5	3.3	3.2	970
	Cab	Ultra View	10	5.5	8.2	1,929
	Ballast slab	14.4	5.3	1.7	8,929	
	Fifth wheel adaptor kit	SL121	7.2	3.1	2	787
	Transport axle 15.5 mph	S215M	10.5	7.9	3.9	5,291
	Fifth wheel adaptor kit	SL122	7.2	7.6	2	798
	Transport axle 31 mph	North America Highway Axle	14	8.6	3.7	9,259
	Rear adaptation kit	Kit 213	7.6	6.1	2.1	933

Road transport



	mph	P (lb)	P1 (lb)	P2 (lb)
SL121/S215M	15.5	65,510	41,560	23,950



	mph	P (lb)	P1 (lb)	P2 (lb)
North America Highway Axle	31	69,480	44,730	24,750

The reactions and ballast configurations presented in this data sheet meet the specifications of EN 14439:2025 and ASME B30.29-2018 standards.
The “out of service” wind profile is determined in accordance with ASCE 7-16 and ASCE 37-14 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.

- | | | | | | |
|---|--|---|--|---|---|
| R | Rear slewing radius |  | Standard equipment |  | Required power |
|  | Consult us |  | Options |  | Power Control Function: winch speeds adapted to the available power |
|  | Reactions in service |  | Potain Plus function: Plus load curves | | |
|  | Reactions out of service |  | Hoisting | | |
|  | Weight without load, without ballast, without transport axles, with max. jib and standard height |  | Trolleying | | |
|  | Total ballast weight |  | Slewing | | |

 Hook heights given with plated pulley block
 This commercial document is not legally binding
For any technical information, please refer to the corresponding instructions

