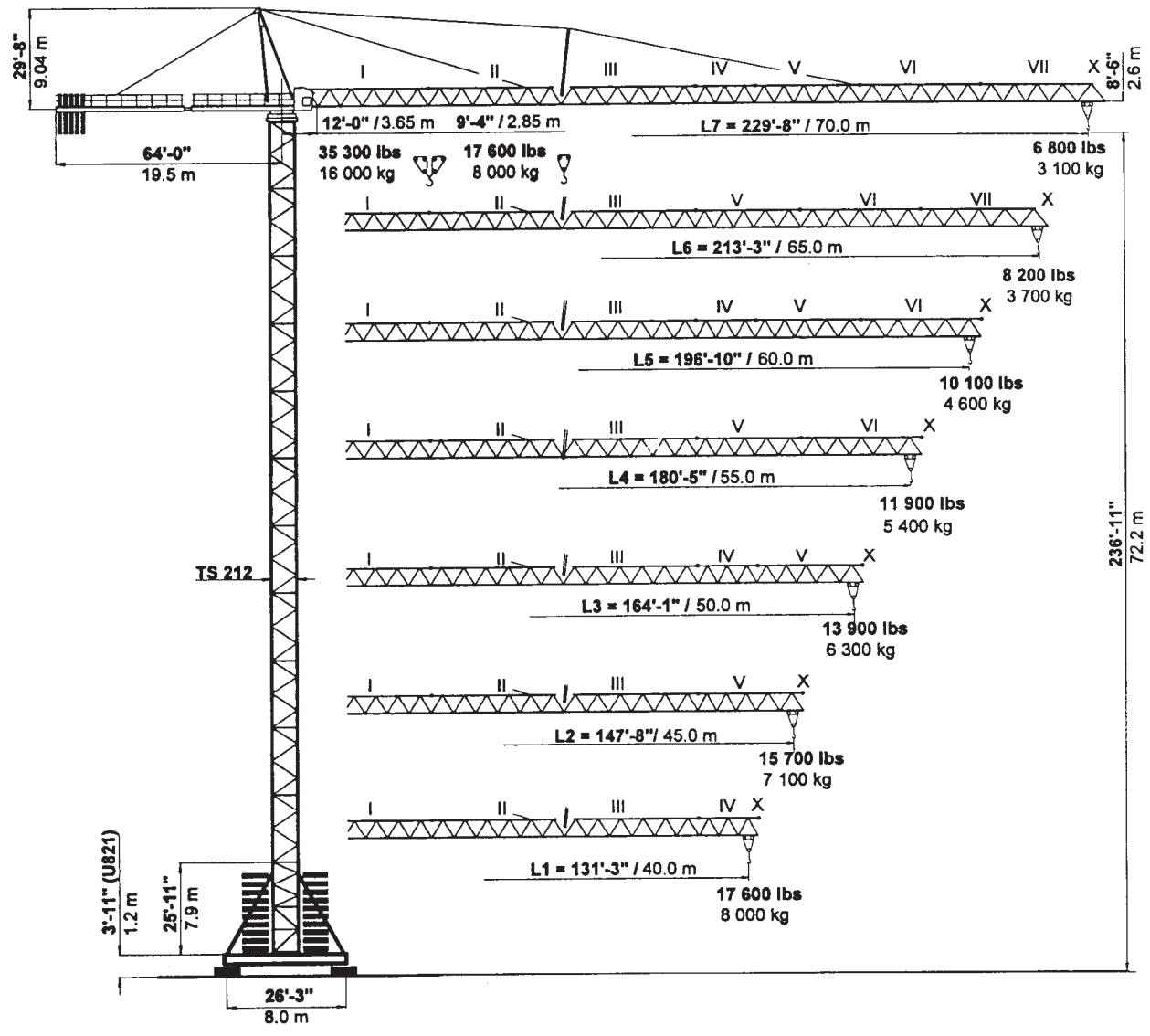
TEREX LIFTING

PEINER
SK 315
Hammerhead Tower Crane
17,600-35,300 lbs. (8-16 mt)
Lifting Capacity

SPECIFICATIONS



simple, available and cost effective™

Machines shown may have optional equipment.

PEINER SK 315 Radius and Capacity

Jib	Max. capacity max. 17,600 lbs 8.0 t	Radius – ft./m Capacity – lbs./mt 2-Part Line max. 17,600 lbs max. 8.0 t																
ft m		75'-6" 23	82'-0" 25	98'-5" 30	114'-10" 35	131'-3" 40	141'-1" 43	147'-8" 45	157'-6" 48	164'-1" 50	173'-11" 53	180'-5" 55	190'-3" 58	196'-10" 60	206'-8" 63	213'-3" 65	223'-1" 68	229'-8" 70
L7 229'-8"	9'-4" - 96'-9"	17600	17600	17400	14800	12800	11900	11200	10600	10100	9500	9000	8600	8200	7700	7500	7100	6800
70.0	2.85 - 29.5 m	8.0	8.0	7.9	6.7	5.8	5.4	5.1	4.8	4.6	4.3	4.1	3.9	3.7	3.5	3.4	3.2	3.1
L6 213'-3"	9'-4" - 105'-0"	17600	17600	17600	16100	13900	13000	12300	11500	11000	10400	9900	9300	8800	8600	8200		
65.0	2.85 - 32.0 m	8.0	8.0	8.0	7.3	6.3	5.9	5.6	5.2	5.0	4.7	4.5	4.2	4.0	3.9	3.7		
L5 196'-10"	9'-4" -117'-9"	17600	17600	17600	17600	15700	14600	13900	13000	12300	11700	11200	10600	10100				
60.0	2.85 - 35.9 m	8.0	8.0	8.0	8.0	7.1	6.6	6.3	5.9	5.6	5.3	5.1	4.8	4.6				
L4 180'-5"	9'-4" - 124'-8"	17600	17600	17600	17600	16800	15400	14800	13900	13200	12300	11900						
55.0	2.85 - 38.0 m	8.0	8.0	8.0	8.0	7.6	7:0	6.7	6.3	6.0	5.6	5.4						
L3 164'-1"	9'-4" - 130'-11"	17600	17600	17600	17600	17600	16300	15400	14600	13900								
50.0	2.85 - 39.9 m	8.0	8.0	8.0	8.0	8.0	7.4	7.0	6.6	6.3								
L2 147'-8"	9'-4" - 131'-11"	17600	17600	17600	17600	17600	16500	15700										
45.0	2.85 - 40.2 m	8.0	8.0	8.0	8.0	8.0	7.5	7.1										
L1 131'-3"	9'-4" - 131'-3"	17600	17600	17600	17600	17600												
40.0	2.85 - 40.0 m	8.0	8.0	8.0	8.0	8.0												
ft	35,300 lbs	4-Part Line max. 35,300 lbs max. 16.0 t Radius - 2'-7" (- 0.8 m)																
m	16.0 t																	
L7 227'-0"	12'-0" - 48'-7"	21800	19600	16100	13200	11200	10400	9700	9000	8600	7900	7500	7100	6600	6200	6000	5500	5300
69.2	3.65 - 14.8 m	9.9	8.9	7.3	6.0	5.1	4.7	4.4	4.1	3.9	3.6	3.4	3.2	3.0	2.8	2.7	2.5	2.4
L6 210'-8"	12'-0" - 52'-2"	23800	21600	17400	14600	12600	11500	10800	9900	9500	8800	8400	7700	7500	6800	6600		
64.2	3.65 - 15.9 m	10.8	9.8	7.9	6.6	5.7	5.2	4.9	4.5	4.3	4.0	3.8	3.5	3.4	3.1	3.0		
L5 194'-3"	12'-0" - 57'-9"	26900	24500	19800	16800	14300	13000	12300	11500	10800	10100	9700	9000	8600				
59.2	3.65 - 17.6 m	12.2	11.1	9.0	7.6	6.5	5.9	5.6	5.2	4.9	4.6	4.4	4.1	3.9				
L4 177'-10"	12'-0" - 61'-0"	28700	26000	21200	17900	15200	14100	13200	12300	11700	10800	10400						
54.2	3.65 - 18.6 m	13.0	11.8	9.6	8.1	6.9	6.4	6.0	5.6	5.3	4.9	4.7						
L3 161'-5"	12'-0" - 63'-8"	30200	27300	22300	18700	16100	14800	14100	12800	12300								
49.2	3.65 - 19.4 m	13.7	12.4	10.1	8.5	7.3	6.7	6.4	5.8	5.6								
L2 145'-0"	12'-0" - 64'-0"	30400	27600	22500	19000	16300	15000	14100										
44.2	3.65 - 19.5 m	13.8	12.5	10.2	8.6	7.4	6.8	6.4										
L1 128'-7"	12'-0" - 66'-3"	31700	28700	23600	19800	17000												
39.2	3.65 - 20.2 m	14.4	13.0	10.7	9.0	7.7												

Speeds

FU 8-160/4		v = 0 → ~290 fpm (88 m / min.)	10.2 HP 7.5 kW
SR 10-190/3		v = 0 → ~96 fpm (30 m / min.)	2 x 16.3 HP 2 x 12.0 kW
K WB 120/4		v = 0 → 0.9 rpm (min $^{-1}$)	2 x 11.4 HP 2 x 8.4 kW
		HK max. = 705' (215 m) 6 - layers	480 V / 60 Hz / 3 ph

Type SR WB 66-80/4F [108 HP] [79 kW]		2-Part Line			4-Part Line		
			444 fpm 134 m/min	5 500 lbs 2 500 kg		222 fpm 67 m/min	11 000 lbs 5 000 kg
			276 fpm 84 m/min	9 300 lbs 4 200 kg		138 fpm 42 m/min	18 600 lbs 8 400 kg
			180 fpm 54 m/min	13 900 lbs 6 300 kg		90 fpm 27 m/min	27 800 lbs 12 600 kg
			108 fpm 34 m/min	17 600 lbs 8 000 kg		54 fpm 17 m/min	35 300 lbs 16 000 kg

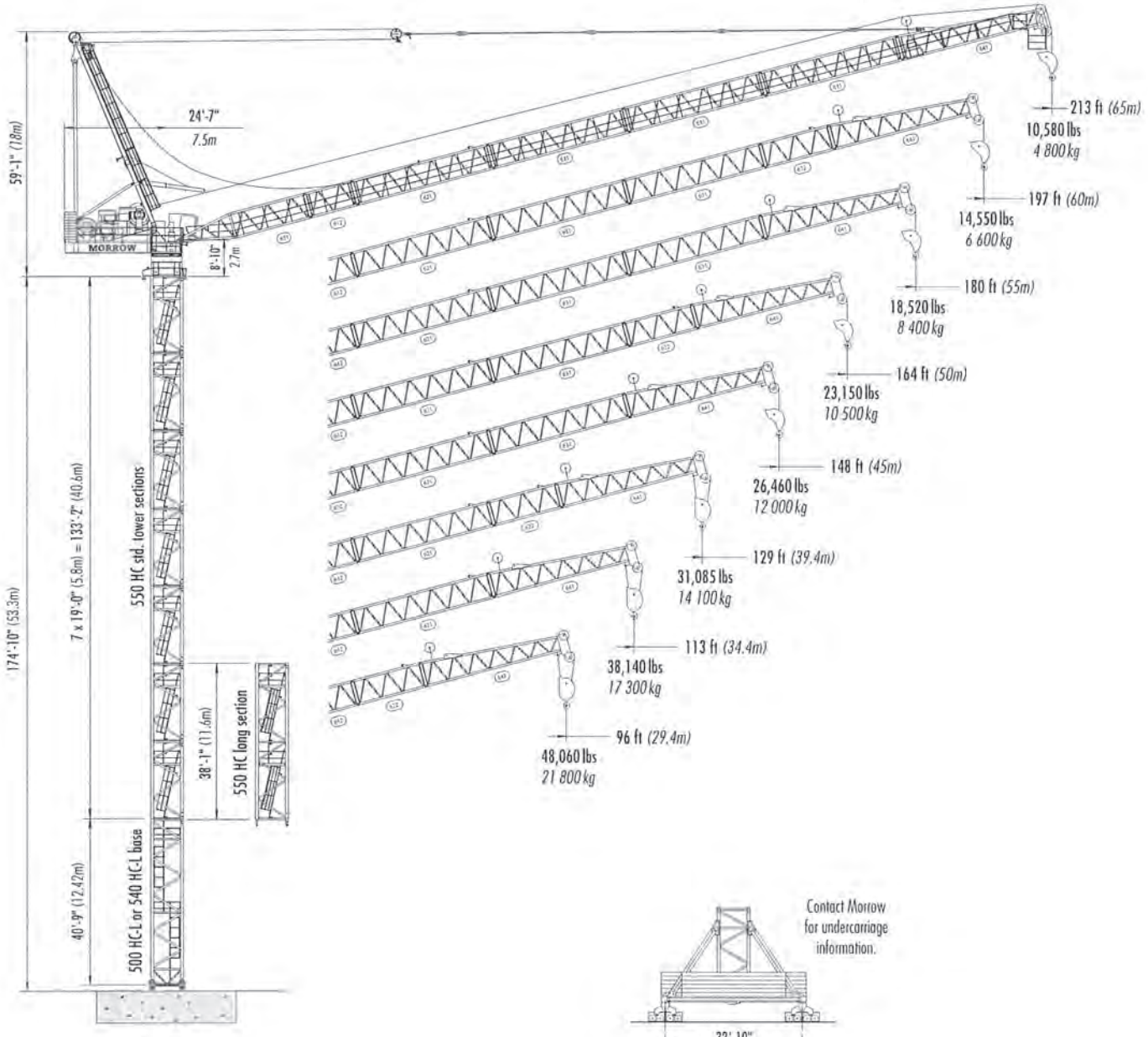
Total motor output without SR 10-190/3	~140 HP ~105 kW
Connected power	170 kVA

Counterweight

Jib	L1 - 131'	L2 - 148'	L3 - 164'	L4 - 180'	L5 - 197'	L6 - 213'	L7 - 230'
Configuration	ABBB•	BBAA•	AAAA•	BBBAA	AAAAB	BBAAA	AAAAA
Weight (lbs)	29,970 lbs	32,180 lbs	36,600 lbs	39,120 lbs	43,540 lbs	41,340 lbs	45,750 lbs
Weight (kg)	13,600 kg	14,600 kg	16,600 kg	17,750 kg	19,750 kg	18,750 kg	20,750 kg

LIEBHERR 540 HC-L 12 Litronic®

LUFFING BOOM TOWER CRANE



Configuration III
with 550 HC Tower on
500 HC-L or 540 HC-L Base

stationary

Rail-mounted Undercarriage
32'-10" (10 m) Gauge

travelling

For Exam Use Only

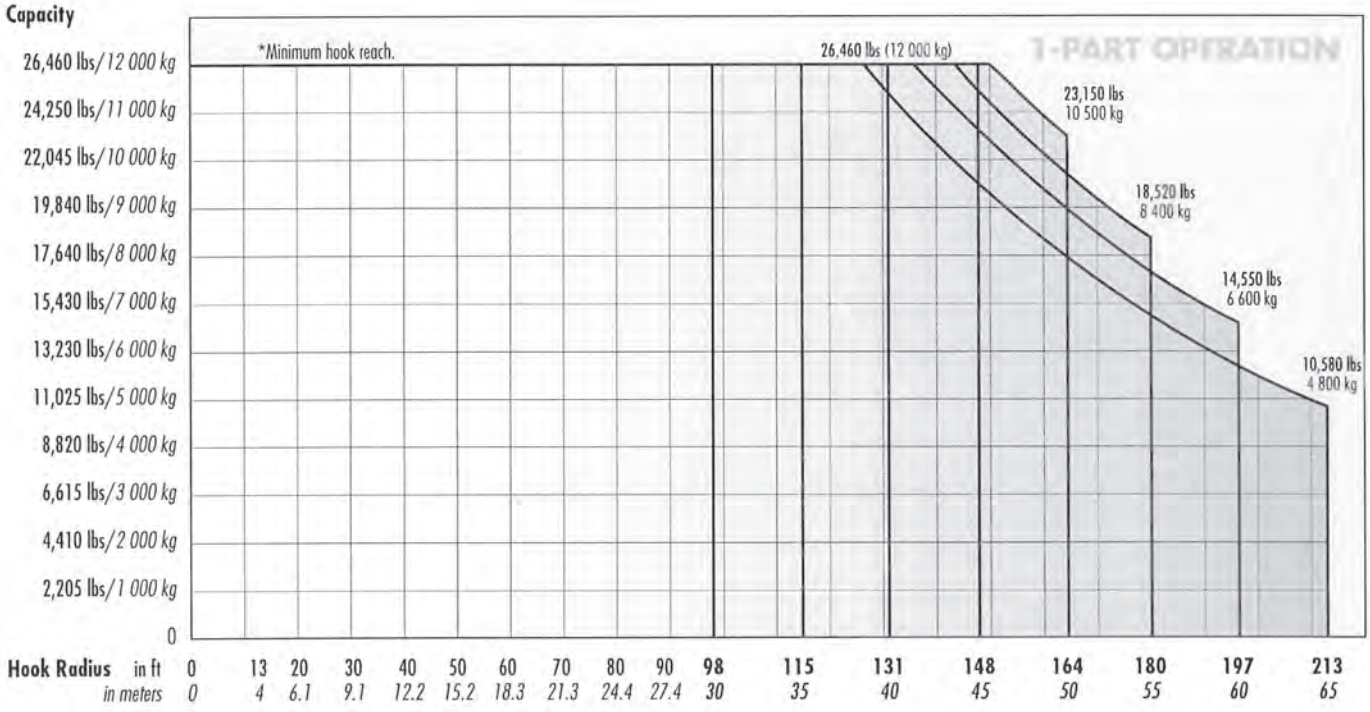
LIEBHERR 540 HC-L 12 Litronic®

Radius and capacities

Hook Reach	Maximum Capacity – Radius	ft / m	13* / 4*	66 / 20	98 / 30	107 / 32.5	115 / 35	123 / 37.5	131 / 40	139 / 42.5	148 / 45	156 / 47.5	164 / 50	172 / 52.5	180 / 55	189 / 57.5	197 / 60	205 / 62.5	213 / 65
213 ft 65m	26,460 lbs – 127 ft 12 000 kg – 38.8m	lbs kg	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	25,245 11 450	22,155 10 410	20,945 9 500	19,160 8 690	17,550 7 960	16,115 7 310	14,795 6 710	13,625 6 180	12,520 5 680	11,530 5 230	10,580 4 800
197 ft 60m	26,460 lbs – 136 ft 12 000 kg – 41.4m	lbs kg	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	24,440 11 540	23,345 10 590	21,495 9 750	19,820 8 990	18,320 8 310	16,955 7 690	15,720 7 130	14,550 6 600		
180 ft 55m	26,460 lbs – 144 ft 12 000 kg – 43.8m	lbs kg	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	25,395 11 520	23,415 10 620	21,625 9 810	20,020 9 080	18,520 8 400				
164 ft 50m	26,460 lbs – 150 ft 12 000 kg – 45.8m	lbs kg	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	25,065 11 370	23,150 10 500						
148 ft 45m	26,460 lbs – 148 ft 12 000 kg – 45m	lbs kg	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000								
131 ft 40m	26,460 lbs – 131 ft 12 000 kg – 40m	lbs kg	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000										
115 ft 35m	26,460 lbs – 115 ft 12 000 kg – 35m	lbs kg	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000	26,460 12 000												
98 ft 30m	26,460 lbs – 98 ft 12 000 kg – 30m	lbs kg	26,460 12 000	26,460 12 000	26,460 12 000	*Minimum hook reach.													

1-PART OPERATION

NOTE! *Lifting capacities vary depending on the amount of hoist rope installed. The figures in the chart above are for hook heights up to 328 feet (100m). For capacity charts for hook heights exceeding 328 feet (100m), refer to the Liebherr 540 HC-L 12 Litronic Operation Manual or contact Morrow Equipment.*



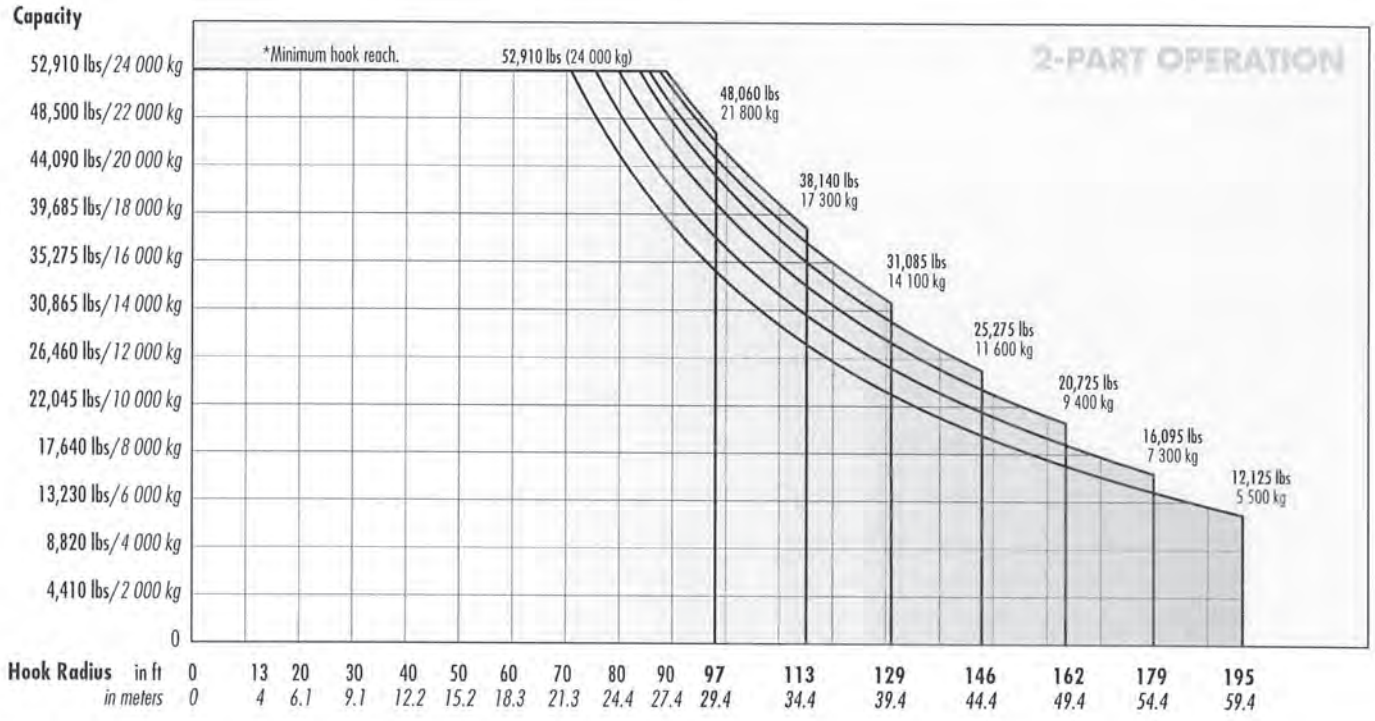
Radius and capacities

Boom Length	Hook Reach	Maximum Capacity – Radius	ft / m	13* / 4*	82 / 25	90 / 27.5	97 / 29.4	107 / 32.5	113 / 34.4	123 / 37.5	129 / 39.4	139 / 42.5	146 / 44.4	156 / 47.5	162 / 49.4	172 / 52.5	179 / 54.4	189 / 57.5	195 / 59.4
197 ft 60m	195 ft 59.4m	52,910 lbs – 71 ft 24 000 kg – 21.6m	lbs kg	52,910 24 000	43,650 19 800	38,490 17 460	34,195 15 510	30,690 13 920	27,645 12 540	25,090 11 380	22,860 10 370	20,920 9 490	19,180 8 700	17,635 8 000	16,270 7 380	15,035 6 820	13,890 6 300	12,850 5 830	12,125 5 500
180 ft 55m	179 ft 54.4m	52,910 lbs – 75 ft 24 000 kg – 23m	lbs kg	52,910 24 000	47,530 21 560	42,020 19 060	37,480 17 000	33,730 15 300	30,510 13 840	27,780 12 600	25,400 11 520	23,325 10 580	21,495 9 750	19,840 9 000	18,365 8 330	17,040 7 730	16,095 7 300		
164 ft 50m	162 ft 49.4m	52,910 lbs – 80 ft 24 000 kg – 24.3m	lbs kg	52,910 24 000	51,060 23 160	45,280 20 540	40,500 18 370	36,550 16 580	33,200 15 060	30,335 13 760	27,820 12 620	25,640 11 630	23,680 10 740	21,935 9 950	20,725 9 400				
148 ft 45m	146 ft 44.4m	52,910 lbs – 84 ft 24 000 kg – 25.5m	lbs kg	52,910 24 000	52,910 24 000	48,125 21 830	43,055 19 530	38,870 17 630	35,295 16 010	32,230 14 620	29,565 13 410	27,205 12 340	25,575 11 600						
131 ft 40m	129 ft 39.4m	52,910 lbs – 86 ft 24 000 kg – 26.1m	lbs kg	52,910 24 000	52,910 24 000	49,580 22 490	44,400 20 140	40,100 18 190	36,420 16 520	33,270 15 090	31,085 14 100								
115 ft 35m	113 ft 34.4m	52,910 lbs – 88 ft 24 000 kg – 26.7m	lbs kg	52,910 24 000	52,910 24 000	50,990 23 130	45,660 20 710	41,160 18 670	38,140 17 300										
98 ft 30m	97 ft 29.4m	52,910 lbs – 89 ft 24 000 kg – 27.2m	lbs kg	52,910 24 000	52,910 24 000	51,985 23 580	48,060 21 800												

*Minimum hook reach.

2-PART OPERATION

NOTE! *Lifting capacities vary depending on the amount of hoist rope installed. The figures in the chart above are for hook heights up to 328 feet (100m). For capacity charts for hook heights exceeding 328 feet (100m), refer to the Liebherr 540 HC-L 12 Litronic Operation Manual or contact Morrow Equipment.*



Hoist Speed and Capacity

Hoist Unit WiW 300 VZ 405		1-Part Line			
147 hp *(110 kW)* FC hoist unit *Variable frequency drive (VFD)* *3-speed electromagnetic gear shifting*	Speed	Capacity	Hook Speed	Capacity	Hook Speed
	1	up to 26,460 lbs @ 0 - 148 fpm up to 11,680 lbs @ 0 - 272 fpm		*up to 12 000 kg @ 0 - 45m/min* *up to 5 300 kg @ 0 - 83m/min*	
	2	up to 13,890 lbs @ 0 - 256 fpm up to 4,630 lbs @ 0 - 472 fpm		*up to 6 300 kg @ 0 - 78m/min* *up to 2 100 kg @ 0 - 144m/min*	
	3	up to 6,610 lbs @ 0 - 430 fpm up to 660 lbs @ 0 - 787 fpm		*up to 3 000 kg @ 0 - 131m/min* *up to 300 kg @ 0 - 240m/min*	
	2-Part Line				
	1	up to 52,910 lbs @ 0 - 75 fpm up to 24,690 lbs @ 0 - 138 fpm		*up to 24 000 kg @ 0 - 23m/min* *up to 11 200 kg @ 0 - 42m/min*	
	2	up to 29,100 lbs @ 0 - 128 fpm up to 12,350 lbs @ 0 - 236 fpm		*up to 13 200 kg @ 0 - 39m/min* *up to 5 600 kg @ 0 - 72m/min*	
1P-4L435 *2P-4L217*	3	up to 15,650 lbs @ 0 - 213 fpm up to 5,070 lbs @ 0 - 394 fpm		*up to 7 100 kg @ 0 - 65m/min* *up to 2 300 kg @ 0 - 120m/min*	

NOTE! *Capacities and hook speeds indicated will vary depending on the amount of hoist rope installed. This crane model may be equipped with a hoist unit other than that specified in the data above. To verify, check the serial number of the crane and refer to the Liebherr 540 HC-L 12 Litronic Operation Manual for additional information.*

Motor Information

Drive Unit	Horsepower	Kilowatts	Speed
Luffing *(Variable Frequency Drive)*	147 hp	*110 kW*	1.9 min
Swing *(VFD)*	2 x 14.7 hp	*2 x 11 kW*	0.6 rpm
Travelling	Information available upon request		

Power Requirements

- 480 V phase-phase, 277 V each phase to ground with 120° phase shift between phases. **Do not use open Delta.**
- 3-phase, 60 Hz power supply plus ground wire.
- Static: 350 Amperes, 194 kVA *(Power requirements for travelling configuration available upon request).*

Counterweights

Boom Length	213' – 164' *(65m – 50m)*	148' – 131' *(45m – 40m)*	115' – 98' *(35m – 30m)*
Number of steel blocks required	11	10	9
Total weight	119,075 lbs	108,250 lbs	97,425 lbs
Total weight	*54 010 kg*	*49 100 kg*	*44 190 kg*

NOTE! *Weight of the steel counterweight blocks are 10,825 lbs (4 910 kg) each. It is recommended that the weight of each counterweight be verified before installation. Counterweight figures displayed in the chart above are for crane with hoist unit WiW 300 VZ 405. If another hoist unit is installed, refer to the 540 HC-L 12 Litronic Operation Manual or contact Morrow Equipment for additional information.*

Specifications subject to change without prior notice. For additional information, contact Morrow Equipment.

Potain Igo T 130

Product Guide

Features

- 8000 kg (17,637 lb) maximum capacity
- 1400 kg (3086 lb) capacity at 50 m (164 ft)
- 50 m (164 ft) maximum operating hook radius
- 37,3 m (122 ft) maximum tip hook height with jib horizontal
- 61 m (200 ft) maximum hook height with 50 m (164 ft) jib set at 30°
- Variable height lattice mast from 19,3 m (63 ft) to 37,3 m (122 ft) with optional mast inserts

Specifications

Jib

47 m (154 ft) radius standard offsettable lattice jib; 50 m (164 ft) radius jib is optional. Two (2) tie bar lines with adjustable lengths allow jib to be offset up to 30˚. Opening and aligning are carried out automatically by four (4) hydraulic cylinders.

Mast

Telescoping lattice mast raised by an uaxiliary winch and pulley block. Hook heights of 19,3 m (63 ft) and 22,3 m (73 ft) achievable with standard mast. 360˚ rotation possible during raising sequence.

*Optional mast inser ts

Three (3) 6 m (20 ft) mast inserts available to reach a maximum horizontal hook height of 37,3 m (122 ft). Increasing mast height with one insert provides hook heights of 25,3 m (83 ft) and 28,3 m (93 ft); second mast insert provides hook heights of 31,3 m (103 ft) and 34,3 m (113 ft); third mast insert provides a hook height of 37,3 m (122 ft).

Chassi s

Outriggers swing and lock into position. 5 m (16.4 ft) square outrigger spread with 4 m (13.1 ft) maximum turning radius. Outrigger pads are stowed on the crane during transport (600 mm x 600 mm [23.6 in x 23.6 in]).

*Ballast

Ballast requirement for the crane consists of, at minimum, eleven (11) slabs each weighing 4050 kg (8929 lb). An additional slab is required in some raised jib configurations.

Electrical requir ement

480 volt, 60 Hz measured at the turntable. Power Control allows for a reduction in power supply for a proportional reduction in hoisting speed. Earth rod and electric cable stored on the crane during transport.

Reeving

SM/DM block for 2 (SM) or 4-part line (DM). Manual removal of one pin to change between SM and DM.

Anemometer

Electronic wind speed meter to alert the operator of wind speed conditions. Provides selective display on the radio remote. Crane can be operated in wind speeds up to 72 km/h (45 mph) and weather vane in winds up to 150 km/h (93 mph).

Contr ols

Wireless remote control provides information to the operator about wind speed, radius, hook height, load, and moment. Lights and buzzers alert the operator when nearing limits of operation. Battery charger and extra battery are provided with crane.

Auxiliary push button tethered remote ensures continual operation in case of battery or other malfunction of the wireless remote control. Optional tethered remote control ensures continual operation with same functions and ergonomics as standard wireless remote control.

Swing

RVF 161 Optima+ slewing mechanism with maximum swing speed of 0.8 rpm. Progressive control of speed with counter-slewing possible, anti-load swinging system makes aligning the load and jib easier. Multiple rpm speeds possible depending upon parameter selected.

Hoist

33 LVF 20 Optima: 29.5 HP variable frequency hoist with 2 t (2.2 USt) line pull. Progressive speed change according to the accelerating or decelerating ramps. Optima allows the hoist to adapt its speed to the weight of the load.

Tr olley

5 DVF 5: 5.4 HP variable frequency hoist with 500 kg (1102 lb) line pull. Progressive speed change according to acceleration or deceleration ramps controlled by the frequency converter.

Hydraulic equipment

Hydraulic cylinders are used for unfolding the mast and jib. All actions are carried about by the remote control.

*Optional transpor t axle sets

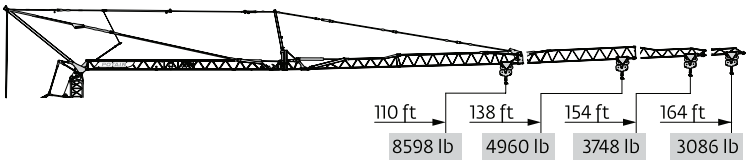
Axle sets are available for both jobsite and highway applications. Jobsite axles are rated for 25 km/h (15.5 mph) and highway axles are rated for 80 km/h (50 mph).

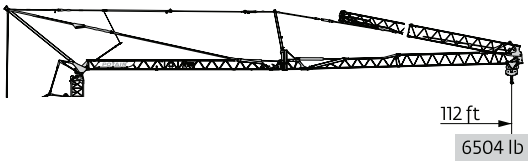
*Optional equipment

* STANDARD NORTH AMERICAN SPECIFICATION: 50 m (164 ft) jib radius, includes offsettable jib, 3 mast inserts, Dialog Wind, cold weather kit and 12 counterweight slabs.
* Offsetable jib
* Mast inserts 6 m (20 ft)
* Electric slip ring
* Central lubrication
* Ultra View cab
* Cab 800
* Cold weather kit
* Top Zone
* Top Tracing II
* Transport axles and kits

**Denotes optional equipment*
***Requires optional anemometer*

Load charts





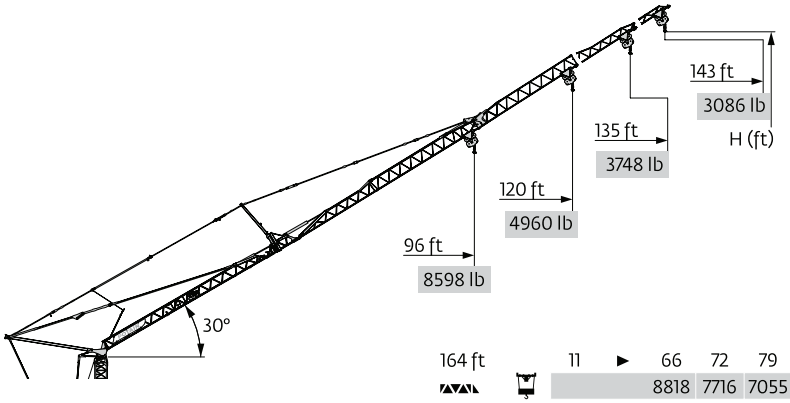
164 ft		11	►	43	46	52	59	66	72	74	75	79	85	92	98	105	112	118	125	131	138	144	151	157	164	ft
				17,637	16,314	13,669	11,905	10,362	9259	-	8598	8157	7496	6834	6173	5732	5291	4850	4519	4189	3968	3748	3527	3307	3086	lb
										8818	8598	8157	7496	6834	6173	5732	5291	4850	4519	4189	3968	3748	3527	3307	3086	lb

154 ft		11	►	46	49	52	59	66	72	79	80	82	85	92	98	105	112	118	125	131	138	144	151	154	ft
				17,637	16,314	14,991	13,007	11,244	10,141	9039	-	8598	8157	7496	6834	6283	5732	5401	4960	4630	4409	4079	3858	3748	lb
											8818	8598	8157	7496	6834	6283	5732	5401	4960	4630	4409	4079	3858	3748	lb

138 ft		11	►	50	52	59	66	72	79	82	85	88	89	92	98	105	112	118	125	131	138	ft
				17,637	16,755	14,330	12,566	11,244	10,141	9480	9039	-	8598	8378	7716	7055	6504	6063	5622	5291	4960	lb
												8818	8598	8378	7716	7055	6504	6063	5622	5291	4960	lb

110 ft		11	►	61	66	72	79	82	85	89	92	98	105	108	110	ft
				17,637	16,094	14,330	13,007	12,346	11,685	11,244	10,803	9921	9039	-	8598	lb
														8818	8598	lb

164 ft																
154 ft		11	►	50	52	59	66	72	79	85	88	92	98	105	112	ft
138 ft				17,637	16,755	14,330	12,566	11,244	10,141	9039	-	8378	7716	7055	6504	lb
											8818	8378	7716	7055	6504	lb



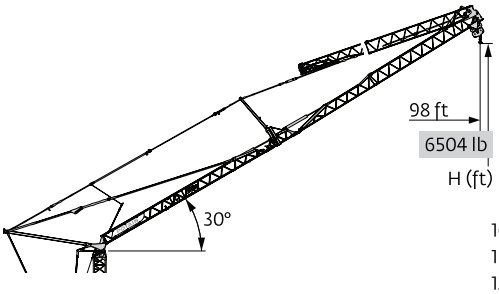
		164 ft	154 ft	138 ft	110 ft
H+3		-	-	-	-
	ⓘ	200	195	186	171
H+2	ⓘ	190	185	176	161
		180	175	166	151
H+1		171	165	156	141
		161	156	147	132
H+0		151	146	137	122
		-	-	-	-

164 ft		11	►	66	72	79	85	92	98	105	112	118	125	131	138	143	ft
				8818	7716	7055	6283	5732	5181	4740	4409	4079	3748	3527	3307	3086	lb

154 ft		11	►	70	72	79	85	92	98	105	112	118	125	135	ft
				8818	8598	7716	6834	6283	5732	5291	4850	4519	4189	3748	lb

138 ft		11	►	77	85	92	98	105	112	120	ft
				8818	7716	7055	6504	5952	5512	4960	lb

110 ft		11	►	94	96	ft
				8818	8598	lb



164 ft									
154 ft		11	►	77	79	85	92	98	ft
138 ft				8818	8598	7716	7055	6504	lb

		164 ft 154 ft 138 ft
H+3		-
	ⓘ	172
H+2	ⓘ	162
		152
H+1		142
		133
H+0		123
		-

ⓘ For these heights, the load char ts are reduced.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

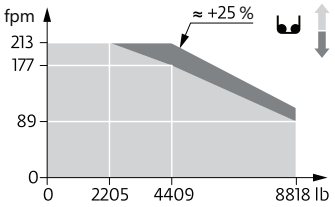
The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

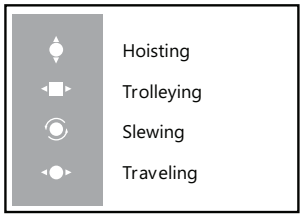
Mechanisms

400 V - 50 Hz 480 V - 60 Hz												hp	kW
	33 LVF 20 Optim a	fpm	10	52	89	177	213	5	26	44	89	107	29.5	22
		lb	8818	8818	8818	4409	2205	17637	17637	17637	8818	4409		
	5 DVF 5	fpm	49 - 98 - 180 (8818 → 17,637 lb) 49 - 98- 230 (1102 → 8818 lbg) 49 - 98 - 328 (0 → 1102 lb)										5.4	4
	R VF 161 Optima+	rpm	0 → 0.8										6	4.5
	TVF 324	fpm	82										2 x 4	2 x 3

IEC 60204-32	kVA
400 V (+10% -10%) 50 Hz 480 V (+6% -10%) 60 Hz	35 → 20 kVA

33 LVF 20 Optima





Symbols glossary


Jib


Mast


Anemometer


Swing


Outrigger


Chassis


Hydraulic equipment


Controls


Electrical requirement


Ballast


Transport axle


Ballasting derrick


Reeving


Hoist


Trolley