

SPECIFICATIONS

LIEBHERR Tower Crane Model 390 HC

Hoist Speed and Capacity

Hoist Unit W1W300RX032	2-Part Line				
	Gear	Capacity	Line Speed	Capacity	Line Speed
147 hp (110 kW) DC hoist unit 4-speed gearbox Electromagnetic gear shifting Word-Leonard 5L-225	1	35,275 lbs @	77 fpm	16 000 kg @	23.5 m/min
	2	31,745 lbs @	121 fpm	14 400 kg @	37 m/min
	3	12,785 lbs @	254 fpm	5 800 kg @	77.4 m/min
	4	2,425 lbs @	644 fpm	1 100 kg @	196.3 m/min

Hoist Unit W1W301RX031	2-Part Line				
	Gear	Capacity	Line Speed	Capacity	Line Speed
147 hp (110 kW) AC hoist unit 4-speed gearbox Electromagnetic gear shifting Eddy current brake 2L-155	1	35,275 lbs @	85 fpm	16 000 kg @	25.8 m/min
	2	31,745 lbs @	134 fpm	14 400 kg @	40.8 m/min
	3	13,445 lbs @	279 fpm	6 100 kg @	85 m/min
	4	3,305 lbs @	707 fpm	1 500 kg @	215.6 m/min

NOTE! This crane model may be equipped with a hoist unit other than that specified in the data above. To verify, check serial number and operations manual of the crane.

Motor Information

Drive Unit	Horsepower	Kilowatts	Speed	
			fpm	m/min
Trolley (2 part line)	7.4 hp	5.5 kW	25 - 50 - 164 - 328 fpm	7.5 - 15 - 50 - 100 m/min
Swing (fluid coupling)	2 x 14.2 hp	2 x 10.6 kW	0.6 rpm	
Traveling (fluid coupling)	4 x 10 hp	4 x 7.5 kW	82 fpm	25.0 m/min

Power Requirements

480 Volts — 3-phase — 60-cycle	300 Amperes service with 147 hp (110 kW) 4-speed AC and DC hoist units
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Specifications subject to change without notice. For other configurations and specifications, contact Morrow Equipment.

Morrow Equipment Co., L.L.C.

Radius and Capacities

LIEBHERR Tower Crane Model 390 HC

2-Part Line

Hook Radius	2-Part Line Max Capacity -- Radius	ft m	60	70	80	93	102	110	120	131	140	150	160	170	180	190	208	225	246	
			18.3	21.3	24.4	28.4	31.0	33.5	36.6	40.0	42.7	45.7	48.8	51.7	55.0	57.9	63.3	68.6	75.0	
246 ft 75.0m	35,275 lbs -- 61 ft 16 000 kg -- 18.7m	lbs kg	35,275 16 000	31,085 14 100	26,667 12 095	22,222 10 080	20,172 9 150	18,177 8 245	16,528 7 497	15,080 6 840	13,823 6 270	12,758 5 787	11,784 5 345	11,023 5 000	11,163 4 610	9,502 4 310	8,422 3 820	7,482 3 394	6,615 3 000	
208 ft 63.3m	35,275 lbs -- 72 ft 16 000 kg -- 22.0m	lbs kg	35,275 16 000	35,275 16 000	32,210 14 610	26,852 12 180	24,449 11 090	22,099 10 024	20,135 9 133	18,430 8 360	16,594 7 527	15,681 7 113	14,551 6 600	13,624 6 180	12,633 5 730	11,852 5 376	10,580 4 800			
170 ft 51.7m	35,275 lbs -- 81 ft 16 000 kg -- 24.6m	lbs kg	35,275 16 000	35,275 16 000	35,275 16 000	30,423 13 800	27,734 12 580	25,121 11 395	22,291 10 397	21,010 9 530	19,357 8 780	17,946 8 140	16,678 7 565	15,655 7 100						
131 ft 40.0m	35,275 lbs -- 92 ft 16 000 kg -- 28.1m	lbs kg	35,275 16 000	35,275 16 000	35,275 16 000	34,899 15 830	31,856 14 450	28,925 13 120	26,433 11 990	24,250 11 000										
93 ft 28.4m	35,275 lbs -- 93 ft 16 000 kg -- 28.4m	lbs kg	35,275 16 000	35,275 16 000	35,275 16 000	35,275 16 000														

