

A GROVE WORLDWIDE COMPANY



Carrier-Mounted Hydraulic Crane Specifications

Superstructure specifications

Boom	37 ft 115 ft. (11.3m - 35m) four section Trapezoidal			
	boom, including remote controlled aerial pinned			
	section. Telescopic sections slide on adjustable and			
	replaceable Nylatron pads.			
	Maximum Tip Height: 123 ft. (37.5m).			
*Optional	40 ft. to 125 ft. (12.1m - 38.1m).			
Boom	Maximum Tip Height: 133 ft. (40.5m).			
Swingaway	35 ft. (10.6m) lattice swingaway boom extension			
Extension	stows alongside base boom section when not in use,			
	offsettable at 2°, 15° or 30°.			
····	Maximum Tip Height: 157 ft. (47.8m).			
*Optional	35 ft. to 48 ft. to 61 ft. (10.6m - 14.6m - 18.6m)			
Telescopic	telescopic lattice swingaway extension with offset links,			
Swingaway	offsettable at 2°, 15° or 30°. Stows alongside base			
	boom when not in use.			
	Maximum Tip Height: 183 ft. (55.7m) (192 ft. with			
	optional 125 ft. boom (58.5m).			
Boom Nose	Six steel sheaves mounted on heavy duty tapered			
	roller bearings with removable pin-type rope guards.			
	*Optional removable single sheave auxiliary boom			
	nose with removable pin type rope guard.			
Boom Elevation	Two double acting hydraulic cylinders with integral			
	holding valve provides elevation from -3.75° to 81.5°.			
Load Moment	Standard load moment and anti-two block system with			
& Anti-Two	audio-visual warning and control lever lockout. These			
Block System	systems provide electronic display of boom angle,			
	length, radius, tip height, relative load moment,			
	maximum permissible load, load indication and			
	warning of impending two-block conditions.			
Cab	Full vision, all steel fabricated with acoustical lining			
	and tinted safety glass throughout. Dash panel			
	incorporates gauges for all engine functions. Other			
	standard features include: hinged skylight, sliding left			
	side door and sliding right side window, electric			
	windshield wash-wipe, circulating air fan, heater,			
	swing horn, fire extinguisher, seat belt. *Optional			
	items: electric skylight wiper and air conditioning.			
Swing	Single roll ball bearing swing circle with 360°			
	continuous rotation. Grove planetary "glide-swing"			
	with foot actuated disc brake, spring applied			
	hydraulically released park brake and 360° position			
	positive turntable lock. Combination controls provided			
	for hand or foot operation. Swing speed 1.8 RPM.			
Counterweight	Fixed position pinned to turntable. *Power installation			
	and removal system is available. Weight varies			
	depending on hoist configuration.			

Two tandem main gear pumps driven by carrier engine through PTO with manual disconnect.		
Precision four way double acting control valves, 4		
individual valve banks permit simultaneous control of		
multiple crane functions.		
Suction line type, full flow with by-pass protection and		
filter by-pass indicator, replaceable cartridge, 7/17/22		
micron filtration rating.		
167 gallons (632 L) with spin-on breather filter,		
external sight gauge, clean out access, strap mounted		
to frame.		
Full flow, fin and tube, oil to air.		

HOIST SPECIFICATIONS

Series parallel circuitry and two motors provide both high line pull and speed ranges. Power up and down, equal speed, planetary reduction with integral automatic brake and electronic hoist drum rotation indicator, grooved drum hoist.

Main and *Auxiliary Hoist Grove HO30B-26G

		01010 H050B-200			
Make/Model		High Range	Low Range		
Maximum	Bottom layer	458 FPM	229 FPM		
single line	·	(140m/min)	(70m/min)		
speed	Intermediate	534 FPM	267 FPM		
•	layer	(163m/min)	(81m/min)		
	Top layer	608 FPM	304 FPM		
	,	(185m/min)	(92m/min)		
Maximum	Bottom layer	8,161 lbs.	16,322 lbs.		
single line	ŕ	(3701 kg)	(7402 kg)		
pull	Intermediate	7,028 lbs.	14,056 lbs.		
	layer	(3187 kg)	(6375 kg)		
	Top layer	6,172 lbs.	12,344 lbs.		
		(2799 kg)	(5598 kg)		
Maximum		12,920 lbs.			
permissible		(5860 kg)			
line pull					
w/5:1 strength factor 3/4 in. (19mm) 18x19 class					
Maximum	832 ft. (253m)				
rope	3/4 in. (19mm)				
stowage	Note: 600 ft. (183m) length of 3/4 in. (19mm) wire				
J	rope supplied with basic standard unit.				
	*Denotes optional equipment				
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Carrier specifications

Frame		ngth alloy steel all welded box-type	Optional	Front:	445/65R 18PR daplex highway tread	
		ion with integral outrigger housings and	Tires		tubeless.	
		lifting, towing and tie down lugs.		Rear:	12:00x20-16PR highway tread tube type	
Outrigger	•	single stage double box telescopic beam and			duals.	
System	4.4	s with integral holding valves. Standard 5th	Brakes	Full air on all wheels. Air dryer provided to preclude		
	,	ck mounted to the front frame section to			cumulation. Spring set emergency brake	
	-	0° lifting capabilities. All steel fabricated		on both rear axles with emergency release.		
	quick release type outrigger floats 30.5" (775mm) diameter. Maximum outrigger pad load (115' boom)		Lights	Full lighting including head, tail, braking, reversing,		
				directional and hazard warning lights.		
	-	s. (36,229 kg) (125' boom) 79,574 lbs.	Cab		sign, all steel fabricated with acoustical	
	(36,095			lining and tinted safety glass throughout. Deluxe fabric		
Outrigger	Located in superstructure cab. Push button controls			•	covered fully adjustable seat. Complete driving controls and engine instrumentation including	
Controls	requiring two-handed operation. Crane level indicator					
-		oble) adjacent to controls.			speedometer, voltmeter, water temp. oil	
Engine		Cummins six cylinder turbo-charged water		pressure, fuel level, air pressure gauge with A/V warning. Other standard items include hot water		
		esel 855 cu. in. (14 L) 310 bhp (231 kw)				
		2100 RPM. Maximum torque 1005 ft. lbs.			ster, electric windshield wash/wipe, fire	
	(139 kg/m) @ 1300 RPM.			extinguisher, seat belt and door and window locks.		
Fuel Tank	(1) 100 gallons (379 L)		Maximum Speed	49.7 MPH (80 kph)		
Capacity				BASIC STANDARD MACHINE		
Electrical	Two 12-volt - maintenance free batteries,		Gross Vehicle	Front Tandem: 37,077 lbs. (16,818 kg)		
System	24 volt starting.		Weight & Axle	Rear Tanden	,,,,,	
Drive	8 x 4		Loads	G.V.W.: 87,010 lbs. (39,468 kg)		
Steering	Front axle steering, worm and lever type with		Miscellaneous	Dual rear view mirrors, hookblock tiedown sling,		
	hydraulic		Standard	electronic back-up alarm, light package.		
Transmission		er gearbox with 9 speeds forward and 2	Equipment			
		ith 2 speed auxiliary transmission.	Optional		n engine block heater	
Axles		2, steering, tubular steel, 102 in. track.	Equipment	* Engine low oil pressure/high water temperature		
	Axles 3 & 4, single reduction drive, 100 in. track.			* Jacobs engine brake		
Suspension	Rear axles (3 & 4) solid mount tandem with					
				* Tire inflation kit		
	equalizing	beam and solid steel saddles.		* Trailing boom prep.		
Tires	Front:	16.5x22.5-16PR duplex highway tread		* Trailer air	and electrical	
		tubeless singles.		* Air conditi	· ·	
	Rear:	11:00x20-14PR highway tread tube type		* Additional	outrigger controls on both sides of	
		duals.		carrier		
					*Denotes optional equipment.	

