Mounted Hydraulic Crane Specifications



Superstructure specifications

Telescopic sections slide on adjustable and replaceable Nylatron wear pads. Maximum Tip Height: 85 ft. (25.9m). Swingaway 30 ft. (9.3m) lattice swingaway boom extension stows alongside base boom section when not in u offsettable at 0°, 15° or 30°. Maximum Tip Height: 114 ft. (34.7m). *Optional 30 ft. to 54 ft. (9.1m-16.5m) telescopic lattice swingaway extension with offset links, offsettable at 0°, 15° or 30°. Stows alongside base boom wh not in use. Maximum Tip Height: 137 ft. (41.8m). Boom Nose Five steel sheaves mounted on heavy duty tapered roller bearings with removable pin-type rope guard. One double acting hydraulic cylinder with integral holding valve provides elevation from -4° to 75°. Load Moment & Anti-Two Block System Standard load moment and anti-two block system audio-visual warning and control lever lockout. T 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 condition. Cab Full vision, all steel fabricated with acoustical linit and timed safety glass throughout. Dash panel incorporates gauges for all engine functions. Othe standard features include: hinged skylight, sliding 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 Roller bearing swing circle with 360° continuous rotation. Grove planetary "glide-swing" with foot actuated disc brake, spring applied hydraulically				
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	rot	ttion. Grove planetary "glide-swing" with foot		
pologood pool, beaks and 2600 mustice and train	act	rated disc brake, spring applied hydraulically		
reseased park brake and 500° position positive	rel	eased park brake and 360° position positive		
turntable lock. Combination controls provided for	tur	ntable lock. Combination controls provided for		
hand or foot operation. Swing speed 3.6 RPM.	har	d or foot operation. Swing speed 3.6 RPM.		
Counterweight Fixed position pinned to turntable. (Weight varies	ght Fix	ed position pinned to turntable. (Weight varies		
depending on hoist configuration).	de	ending on hoist configuration).		

HYDRAULIC SYSTEM	
Pumps	One, 3-section gear pump driven off transmission PTO with manual pump disconnect. Combined capacity 112.5 GPM (426 LPM).
Valves	Precision four way double acting control valves, 3
	individual valve banks permit simultaneous control of multiple crane functions.
Filter	Suction line type, full flow with by-pass protection and
	filter by-pass indicator, replaceable cartridge, 7/17/22 micron filtration rating.
Reservoir	86 gallons (326 L) with spin-on breather filter,
	external sight gauge, clean out access, strap mounted
	to frame.
Oil Cooler	Full flow, fin and tube, oil to air.

HOIST SPECIFICATIONS

Power up and down, equal speed, planetary reduction with integral automatic brake and electronic hoist drum rotation indicator.

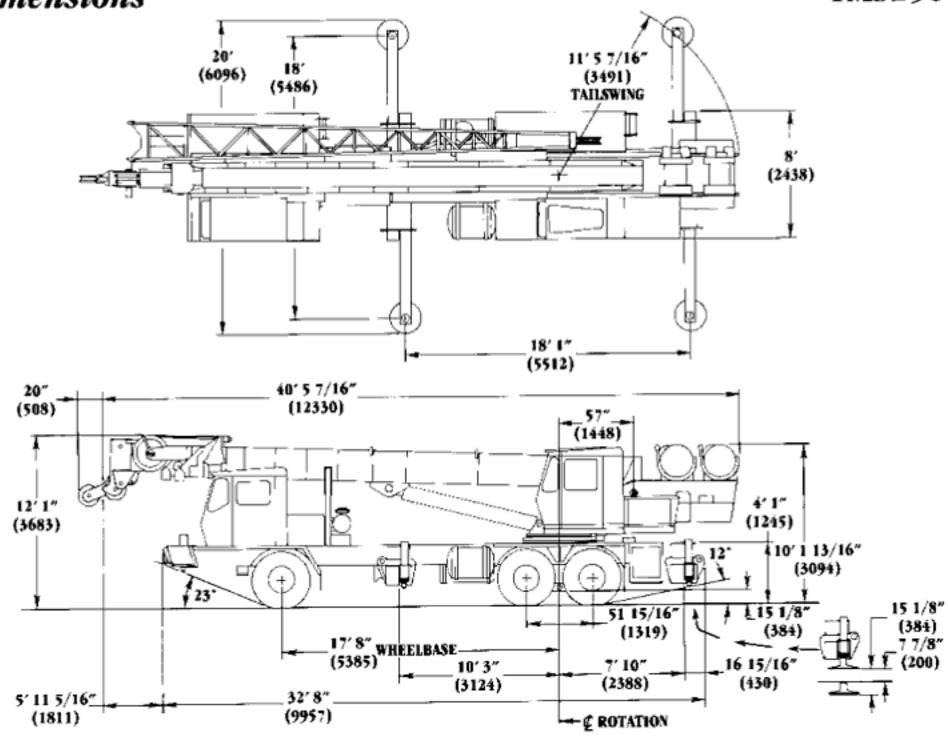
Grove Main Hoist HO15B-20 and *Aux. Hoist HO15B-20

Make/Model		Main	Auxiliary	
Maximum	Bottom layer	298 FPM	161 FPM	
single line		(91m/min)	(49m/min)	
speed	Intermediate	352 FPM	190 FPM	
	layer	(107m/min)	(58m/min)	
	Top layer	379 FPM	205 FPM	
		(116m/min)	(62m/min)	
Maximum	Bottom layer	8,496 lbs.	8,496 lbs.	
single line		(3854 kg)	(3854 kg)	
pull	Intermediate	7,194 lbs.	7,194 lbs.	
-	layer	(3263 kg)	(3263 kg)	
	Top layer	6,681 lbs.	6,681 lbs.	
		(3031 kg)	(3031 kg)	
Maximum		8,496 lbs.	8,496 lbs.	
permissible		(3854 kg)	(3854 kg)	
line pull		4.		
w/5:1 strength	factor 5/8 in	i. (16mm) 18x19 clas	ss wire rope	
Maximum	4	i50 ft. of 5/8" dia, rop	e	
rope	(137m of 16mm)			
stowage	e Note: 450 ft. (137m) length of wire rope supplied with b			
-	unit.			
	-	*De	notes optional equipment	

Carrier specifications

Frame	High strength alloy steel all welded box-type			
	construction with integral outrigger housings and			
	front/rear lifting, towing and tie down lugs.			
Outrigger	Hydraulic single stage double box telescopic beam and			
System	jack outriggers with integral holding valves. All steel			
·	fabricated quick release type outrigger floats 24 in.			
	(610mm) diameter. Maximum outrigger pad load			
	55,213 lbs. (25,044 kg). Standard fifth front stabilizer			
	for 360° duties.			
Outrigger	Located in the superstructure cab. Push button			
Controls	controls requiring two-handed operation.			
	Crane level indicator (sight bubble) adjacent to			
	controls.			
Engine	6CTA8.3 Cummins six cylinder turbocharged water			
	cooled diesel. 210 hp (157 kw) (Gross) @ 2400			
	RPM. Maximum net torque 605 ft. lbs. (84 kg/m) @			
	1300 RPM.			
Fuel Tank	(1) 60 gallons (227 L)			
Capacity				
Electrical	Four 12-volt - maintenance free batteries,			
System	24 volt starting.			
Drive	6 x 4			
Steering	Front axle steering, rack and pinion design with			
	hydraulic assist.			
Transmission	Manual with 13 speeds forward, 3 reverse.			
Axles	Front: 1 steer, beam type			
	Rear: 2 & 3 drive axles with inter-axle			
ē	differential locks.			
Suspension	Front axle (1) spring mounted. Rear axles (2) solid mount tandem with equalizing beam and solid steel			
	saddles.			
Tires	Front: 425/65R22.5			
ines	Rear: 9:00x20-12PR Optional Rear: 10.00x20-12PR			
Brakes	Full air on all wheels. Air dryer provided to preclude			
Dianes	moisture accumulation. Spring set emergency brake			
	on both rear axles with emergency release.			
Lights	Full lighting including head, tail, braking, reversing,			
Ligino	fog, directional and hazard warning lights.			
	-AD marketing part amount a partial pile.			

Cab	One man design, all steel fabricated with acoustical lining and tinted safety glass throughout. Deluxe fabric covered fully adjustable seat. Complete driving controls and engine instrumentation including tachometer, speedometer, voltmeter, water temp., oil pressure, fuel level, air pressure gauge with A/V warning. Other standard items include hot water heater/defroster, electric windshield wash/wipe, fire extinguisher, seat belt and door and window locks.			
Maximum Speed		52 MPH (83.7 kph)		
	BASIC STANDAR			
Gross Vehicle	Front:	16,762 lbs. (7,603 kg)		
Weight & Axle	Rear Tandem:	33,982 lbs. (15,414 kg)		
Loads	G.V.W.:	50,744 lbs. (23,017 kg)		
Miscellaneous	Dual rear view mirrors, hookblock tiedown sling,			
Standard	electronic back-up alarm, air cleaner service			
Equipment	indicator, fuel/water separator and ether cold start			
	aid. Sling box.	•		
Optional	4.7	Immersion engine block heater, engine low oil		
Equipment	pressure/high water temperature audio visual warni-			
	and tire inflation			
		Denotes optional equipment.		



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