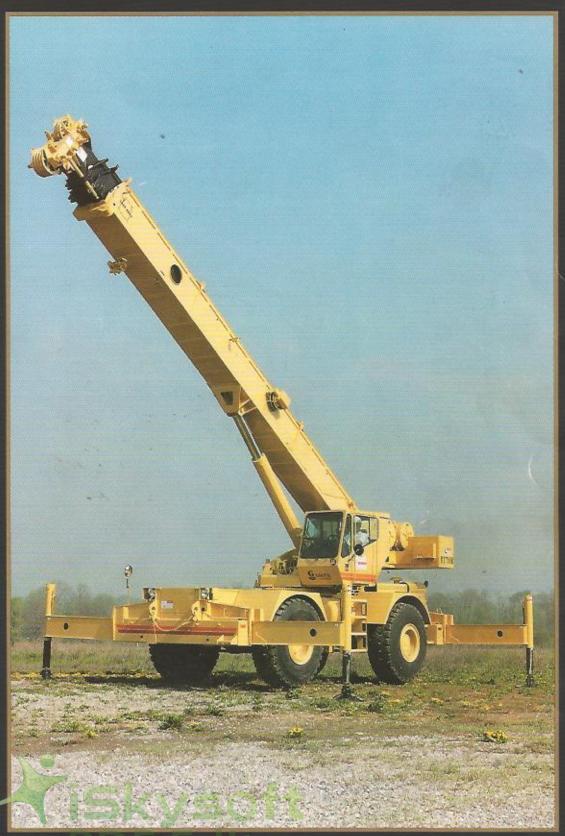


A GROVE WORLDWIDE COMPANY

Series

Rough-Terrain Hydraulic Crane Specifications



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Superstructure specifications

Boom	35 ft. to 110 ft. (10.6m - 33.5m) four section
	trapezoidal full power boom. Telescoping is
	sequenced-synchronized with single lever control.
	Telescoping sections slide on adjustable and
	replaceable low friction wear pads.
	Maximum Tip Height: 118 ft. (35.9m).
Optional	*Optional 34 ft. to 84 ft. (10.3m - 25.6m) three
Boom	section trapezoidal full power telescopic boom.
Боолі	Maximum Tip Height: 92 ft. (28m).
	지역 시계에 하는 시간에 가면 하는 것이 되었다면 하는 것이 되었다면 하는 것이 없는 것이 없는 것이 없는 것이다.
Talarasaia	(Note: Consult factory for availability.) 32 ft. to 44 ft. or 56 ft. (9.8m to 13,4m or 17,1m)
Telescopic	
Swingaway	telescopic lattice swingaway extension with integral
Extension	offset mechanism, offsettable at 0°, 15° or 30°. Stows
	alongside base boom section when not in use.
	Maximum Tip Height: 173 ft. (52.7m).
Optional	32 ft. (9.8m) lattice swingaway boom extension with
Fixed	integral offset mechanism, offsettable at 0°, 15° or
Swingaway	30°. Stows alongside base boom section when not in
Extension	use. Maximum Tip Height: 149 ft. (45.4m).
Boom Nose	Four sheaves mounted on heavy duty tapered roller
	bearings with removable pin-type rope guards.
	*Optional removable auxiliary boom nose with re-
	movable pin type rope guard.
Boom Elevation	One double acting hydraulic cylinder with integral
	holding valve provides elevation from -3° to 78°.
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,
8.5	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 lining
2000	and tinted safety glass throughout. Deluxe seat
	incorporates armrest mounted hydraulic single axis
	controls. Dash panel incorporates gauges for all
	engine functions. Other standard features include:
	telescoping tilt steering wheel, sliding side and rear
	windows, electric windshield wash-wipe, circulating
	air fan, electric skylight wiper, fire extinguisher,
C	seatbelt and ashtray.
Swing	Ball bearing swing circle with 360° continuous rota-
	tion. Grove planetary glide-swing with foot applied
	multi-disc wet brake. Spring applied hydraulically
	released parking brake and plunger type, 1 position,
	mechanical house lock operated from cab. Maximum
	speed: 2.8 RPM.
Counterweight	Integral with superstructure, 7,686 lbs. (3486 kg).
	1,900 lbs. (861 kg) slab 1.P.O. auxiliary hoist .
HYDRAULIC SYSTEM	
Pumps	3 main gear pumps, combined capacity 118 GPM
	(447 LPM) driven by carrier engine through P.T.O.
	Standard pump disconnect with engine jogging switch

System operating pressure 3500 PSI (241 bar).

Valves	Precision four way double acting pilot operated control valves, 3 individual valve banks permit simultaneous control of multiple crane functions.	
Filter	Return line type, full flow with bypass protection and service indicator. Replaceable cartridge with micron	
	filtration rating of 5/12/16.	
Reservoir	100 gallon (378.5 L) with spin-on breather filter, external sight gauge, oil temperature gauge, clean access, strap mounted to frame.	
Oil Cooler	Remote mounted with thermostatically controlled electric motor driven fan.	
Pressure	System pressure test panel with quick release type	
Check Panel	fittings for each circuit.	

HOIST SPECIFICATIONS

Power up and down equal speed, grooved drum, planetary reduction with automatic spring applied multi-disc brake. Electronic hoist drum rotation indicator and hoist drum cable followers.

Main and *Auxiliary Hoist Grove HO30D-16G

		Grove HO50D-10G	
Make/Model		High Range	Low Range
Maximum	1st Layer	403 FPM	212 FPM
single line		(123m/min)	(65m/min)
speed	2nd Layer	438 FPM	231 FPM
		(134m/min)	(70m/min)
	3rd Layer	474 FPM	250 FPM
		(144m/min)	(76m/min)
	4th Layer	509 FPM	268 FPM
		(155 m/min)	(82 m/min)
	5th Layer	545 FPM	287 FPM
		(166 m/min)	(87 m/min)
	6th Layer	580 FPM	306 FPM
		(177 m/min)	(93 m/min)
Maximum	1st Layer	9,079 lbs.	18,159 lbs.
single line		(4118 kg)	(8237 kg)
pull	2nd Layer	8,345 lbs.	16,691 lbs.
		(3785 kg)	(7571 kg)
	3rd Layer	7,721 lbs.	15,442 lbs.
		(3502 kg)	(7004 kg)
	4th Layer	7,183 lbs.	14,367 lbs.
		(3258 kg)	(6517 kg)
	5th Layer	6,716 lbs.	13,432 lbs.
		(3046 kg)	(6092 kg)
	6th Layer	6,305 lbs.	12,611 lbs.
		(2860 kg)	(5720 kg)
Maximum		12,920 lbs.	
permissible		(5860 kg)	
line pull			
w/5:1 strengt	th factor	3/4 in. (19mm) 18x19 class	
Maximum		690 ft. (210m)	
rope		3/4 in. (19mm)	
stowage	Not	e; 500 ft. (152.4m) length of wir	e rope supplied
	4.1		

with basic standard unit.

*Denotes optional equipment

Carrier specifications

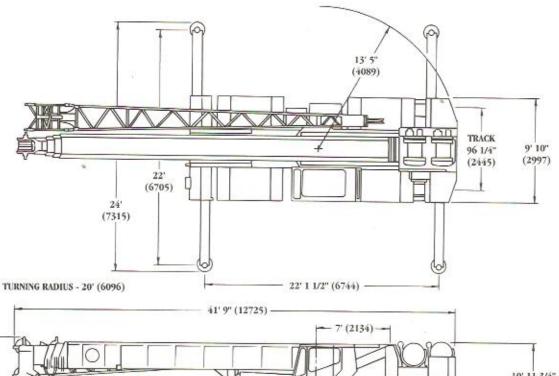
Frame	High strer with integ towing an	Gross Vehicle Weight & Axle Loads		
Outrigger System	Hydraulic 'inverted' All steel f: 24" (610 60,026 lb	Miscellaneous Standard Equipment		
Outrigger Controls	Located in operation			
Engine	Cummins 6BTA5.9 six cylinder turbo-charged water cooled diesel - 5.9L, 177 bhp (132 kw) (Gross) @ 2,500 RPM. Maximum torque 447 ft. lbs. (61.8 kg/m) @ 1,500 RPM.		Optional Equipment	
Fuel Tank		60 gallons (227 L)		
Capacity Electrical System		Two 12-volt - maintenance free batteries, 815 CCA @ 0 degree F. 12 volt starting/lighting.		
Drive	4 x 4	12 voit starting/ngnung.		
Steering		pendent power steering: Full hydraulic controlled by steering wheel.		
	Rear:	Full hydraulic hand lever controlled. Provides infinite variations of 4 main steering modes - front only, rear only, crab and coordinated. Rear steer indicating gauge.		
Transmission	Engine mounted full powershift with 6 forward and 3 reverse speeds. Front axle disconnect for 4x2 travel.			
Axles	Front:	Drive-steer with differential and plane- tary reduction hubs rigid mounted to the chassis frame. "Optional no-spin differential.		
	Rear:	Drive-steer with differential and plane- tary reduction hubs pivot mounted at the center of chassis frame providing up to 12" oscillation (305mm).		
Oscillation Lockouts	Automatic full hydraulic lockouts on rear axle permit oscillation only with boom centered over the front. *Optional oscillation lockout override control.			
Brakes	Full hydra Spring-app mounted p			
Tires	23.5R25 R			
Lights	Full lighting package including turn indicators, head, tail, brake and hazard warning lights.			
Maximum Speed	24 MPH (39 kph)			
Maximum Gradeability	90.8% (Th	eoretical based on 66,180 lbs.		
		s 32 ft. to 56 ft. (9.8m-17.1m) telescopic		

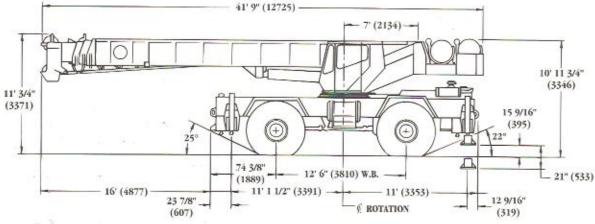
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Gross Vehicle	STANDARD MACHINE				
Weight & Axle	Front: 33,020 lbs. (14978 kg)				
Loads	Rear: 33,160 lbs. (15042 kg)				
	G.V.W.: 66,180 lbs. (30020 kg)				
Miscellaneous	Full width steel fenders, dual rear view mirrors,				
Standard	hookblock tiedown sling, electronic back-up alarm,				
Equipment	light package, front stowage well, tachometer, cold start aid (less canister), rear wheel position indicator, hydraulic cab heater, hoist mirrors, engine distress				
V-2018-1-101	AV warning system.				
Optional	* Auxiliary hoist				
Equipment	Worklights boom mounted				
	* 360° flashing light				
	* Cab spotlight				
	* Engine block heater				
	* Hookblocks/headache balls				
	* Tow winch - front mounted-maximum pull -				
	15,000 lbs. (6804 kg); maximum speed - 92 FPM				
	(28m/min)				
	* Spare wheel assembly				
	* Tool kit				
	* Pintle hook front/rear				
	 High Speed Glide† system 				
	* Air conditioning (optional order)				
	* Dual axis joystick controllers				
	 Propane/diesel heater 				
	* LMI light bar				
	* Emergency steer pump				
	* Opening skylight with electric wiper				
	* 360° positive swing lock				
	†Patented Grove feature or patent pending. *Denotes optional equipment.				

Dimensions

RT700B Series







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Distributed By:

Form No.: SBRT700B Part No.: 3-489 694-5M Printed in U.S.A.