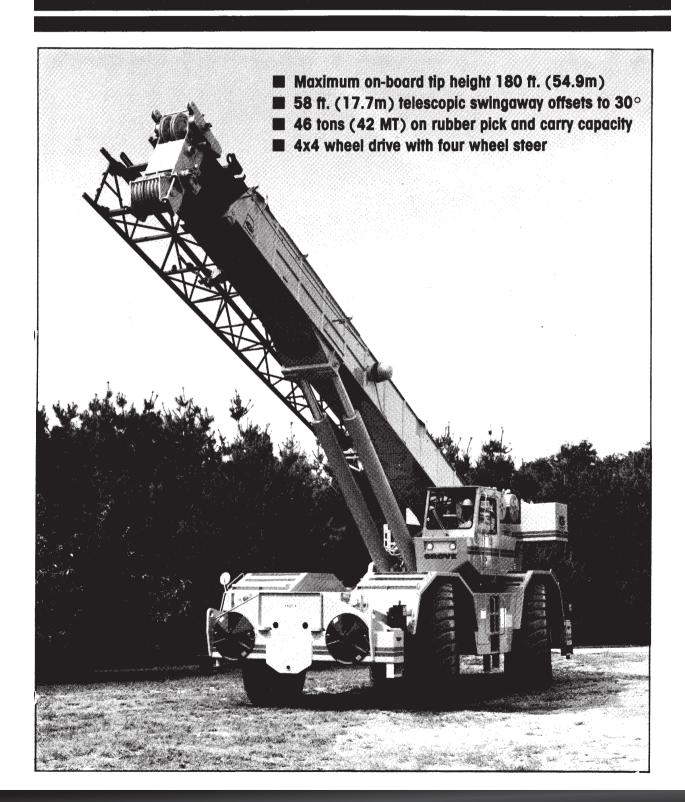




RT990 Rough-terrain hydraulic crane





Superstructure specifications

Boom	36 ft. to 114 ft. (11.0m - 34.7m) total length	Counterweigh	t Remov	rable, bolted to turnta	ble mast.	
	four section Trapezoidal† full power boom. Telescoping sections slide on adjustable and replaceable Nylatron wear pads. Maximum Tip Height: 124 ft. (37.7m).	HYDRAULIC S Pumps	Six mo 254.9	Six main gear pumps, combined capacity 254.9 GPM (964 LPM) driven by carrier engine through P.T.O. with pump disconnect.		
Swingaway Extension	33 ft. (10.0m) lattice swingaway boom exension stows alongside base boom section when not in use, offsettable at 2°, 15° or 30°. Maximum Tip Height: 155 ft. (47.2m).	6 individu control of		n four way double acting control valves, dual valve banks permit simultaneous of multiple crane functions.		
Optional Telescopic	33 ft58 ft. (10m-17.7m) telescopic lattice swingaway extension with offset links, offsettable at 2°, 15° or 30°. Stows alongside	Filter	and se	line type, full flow wi rvice indicator. Repla sicron filtration of 7/1	ceable cartridge,	
Swingaway	base boom section when not in use. Maximum Tip Height - 180 ft. (54.8m).	Reservoir 375 gallon (1,419 L) with spin-on breather ter, external sight gauge, clean out access, strap mounted to frame.				
Optional Jib	14 ft. (4.3m) lattice sections combine with a 32 ft. (9.8m) tip section to provide 46 ft. (14m), 60 ft. (18.2m), 74 ft. (22.5m) amd	Oil Cooler				
	88 ft. (26.8m) jib lengths. Jib is cable suspended and can be offset at 5°, 17° and 30°. Maximum Tip Height - 208 ft. (63.4m).	Pressure Check Panel		n pressure test panel pation of circuit pressur		
Boom Nose	Seven sheaves mounted on heavy duty tapered roller bearings with removable pin-type rope guards. *Optional removable auxiliary boom nose with removable pin type rope guard.	HOIST SPECIF	HOIST SPECIFICATIONS Power up and down equal speed, planetary reduction with automatic spring applied multidisc brake and electronic drum rotation indicator.			
Boom Elevation	Two double acting hydraulic cylinders with integral holding valves provides elevation from -4 ° to 80 °.		Main and *Auxiliary Hoist Grove HO30B-26			
Anti-Two	Standard audio-visual warning device to alert	Make/Model		High Range	Low Range	
Device	operator of impending two-block condition with control lever lockout system. Also includes selective electronic display of boom angle and length with high and low angle presets.	Maximum single line speed	Bottom layer Intermediate layer	426 FPM (130m/min) 496 FPM (151m/min)	213 FPM (65m/min) 248 FPM (75m/min)	
Optional	*Optional Load Moment Indicator provides		Top layer	564 FPM (172m/min)	282 FPM (86m/min)	
LMI	display of boom angle, length, radius, tip height, relative load moment, permissible load and actual load with control lever lockout.	Maximum single line	Bottom layer	8,161 lbs. (3701 kg)	16,322 lbs. (7403 kg)	
Cab	Full vision, all steel fabricated with accoustical 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, fire extinguisher, seat belt. *Optional items: manual skylight wiper, propane heater/defroster.	puli	Intermediate layer Top layer	7,028 lbs. (3187 kg) 6,172 lbs. (2799 kg)	14,056 lbs. (6375 kg) 12,344 lbs. (5596 kg)	
		Maximum permissible line pull w/5:1 F.O.S.		12,920 lbs. (5860 kg)		
Swing	Ball bearing swing circle with 360° continuous rotation. Grove planetary glide-swing with foot applied multi-disc brake. Spring applied	Maximum rope stowage	Note: 800 ft. (244m) length of wire rope supplied with basic standard unit.			
	hydraulically released parking brake and hand operated 360° mechanical house lock oper-	Hoist option	Hoist drum cable followers.			
			†Patented Grove feature or patent pending.			

†Patented Grove feature or patent pending.
*Denotes optional equipment.



Carrier specifications

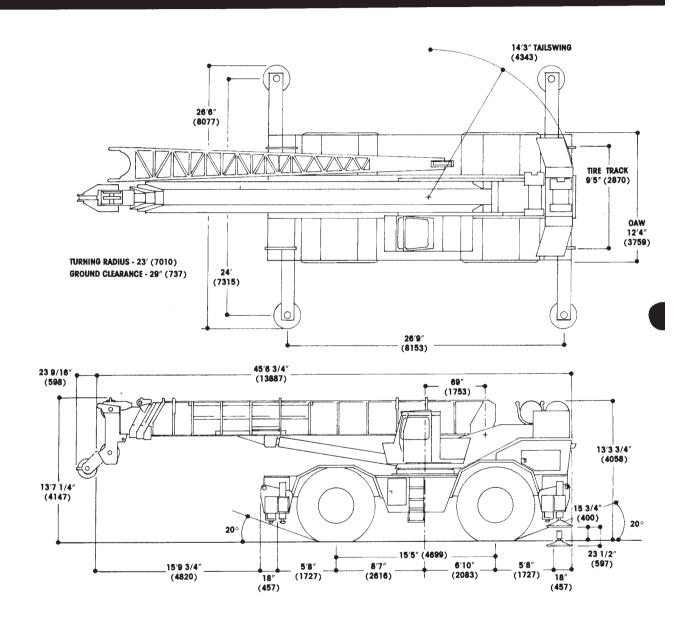
Frame	High strength construction and front/red	Oscillation Lockouts	
Outrigger System	Hydraulic sir beam and jo valves. All st outrigger floo	Tires	
Outrigger Controls	Located in c	Brakes	
Engine	Detroit Diese	el 6-71T six cylinder turbo-charged	Lights
•	water cooled (Gross) @ 2	Maximum Speed	
Optional Engine	ft. lbs. (105 kg/m) @ 1,400 RPM. CAT 3306TA six cylinder turbo-charged water cooled diesel, 262 bhp (195 kw) (Gross) @		Maximum Gradeability
	2,100 RPM. kg/m) @ 1,	Gross Vehicle	
ptional ngine		r-855 six cylinder turbo-charged diesel, 250 bhp (186 kw)	Weight & Axle Loads
	(Gross) @ 2	2,100 RPM. Maximum torque 750 kg/m) @ 1,500 RPM.	Miscellaneous Standard
Fuel Tank Capacity	100 gallons	Equipment	
Electrical System	Four 12 volt - maintenance free batteries, 475 CCA @ 0 degree F. 24 volt starting.		Optional Equipment
Drive	4 x 4		
Steering	Front: F Rear: F F r	ndent power steering: Full hydraulic controlled by steering wheel. Full hydraulic hand lever controlled. Provides infinite variations of 4 main steering modes - front only, rear only, crab and coordinated. Rear wheel steer indicator.	
Transmission	Remote mounted powershift with 6 speeds forward and 6 reverse, 3 in high range, 3 in low range. Rear axle disconnect for 4x2 travel.		
Axles	F	Drive-steer with differential and planetary reduction hubs (rigid mounted to the chassis).	
	Rear: [r r	Drive-steer with differential and blanetary reduction hubs, pivot mounted at the center of chassis trame, providing up to 12" oscilla- tion (305mm).	
		No-spin differential on rear axle.	

Oscillation Lockouts	Automatic full hydraulic lockouts on rear axle permits oscillation only with boom centered over the front. Oscillation lockout overide control.		
Tires	33.25 x 35 - 32 PR (E-3) Earthmover type, tubeless.		
Brakes	Dual braking system, full air operating on all wheels. Spring-applied, air released parking brake operating on all wheels.		
Lights	Full lighting package including turn indicators, head, tail, brake and hazard warning lights.		
Maximum Speed	16.2 MPH (26.0 kph)		
Maximum Gradeability	77.2% (Theoretical based on 140,000 lbs. (63,492 kg) GVW. 33.25 x 25 tires, pump disengaged.		
Gross Vehicle Weight & Axle Loads	BASIC STANDARD MACHINE Front 70,050 lbs. (31,775 kgs) Rear 66,350 lbs. (30,046 kgs) G.V.W. 136,400 lbs. (61,871 kgs)		
Miscellaneous Standard Equipment	Full width steel fenders, dual rear view mirrors, hookblock tiedown sling, electronic back-up alarm, light package, air dryer, tire inflation kit, hydraulic oil temperature gauge.		
Optional Equipment	 Hookblocks Spare wheel assembly Pintle hook front/rear Tow winch - front mounted Worklights Cab spotlight Low oil pressure, high water temp.		

†Patented Grove feature or patent pending. *Denotes optional equipment.



Dimensions RT990



Bigge Crane and Rigging Co.

10700 Bigge Avenue San Leandro, CA 94577 Phone: (888) 337-BIGGE or (510) 638-8100 Fax: (510) 639-4053 Email: info@bigge.com Web site: www.bigge.com Constant improvement and engineering progress makes it necessary that we reserve the right to make specification, equipment, and price changes without notice. Illustrations shown may include optional equipment and accessories and may not include ε standard equipment.

GROVE MANUFACTURING COMPANY

Division of Kidde, Inc

KIDDE

Shady Grove, Pennsylvania 17256-0021

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