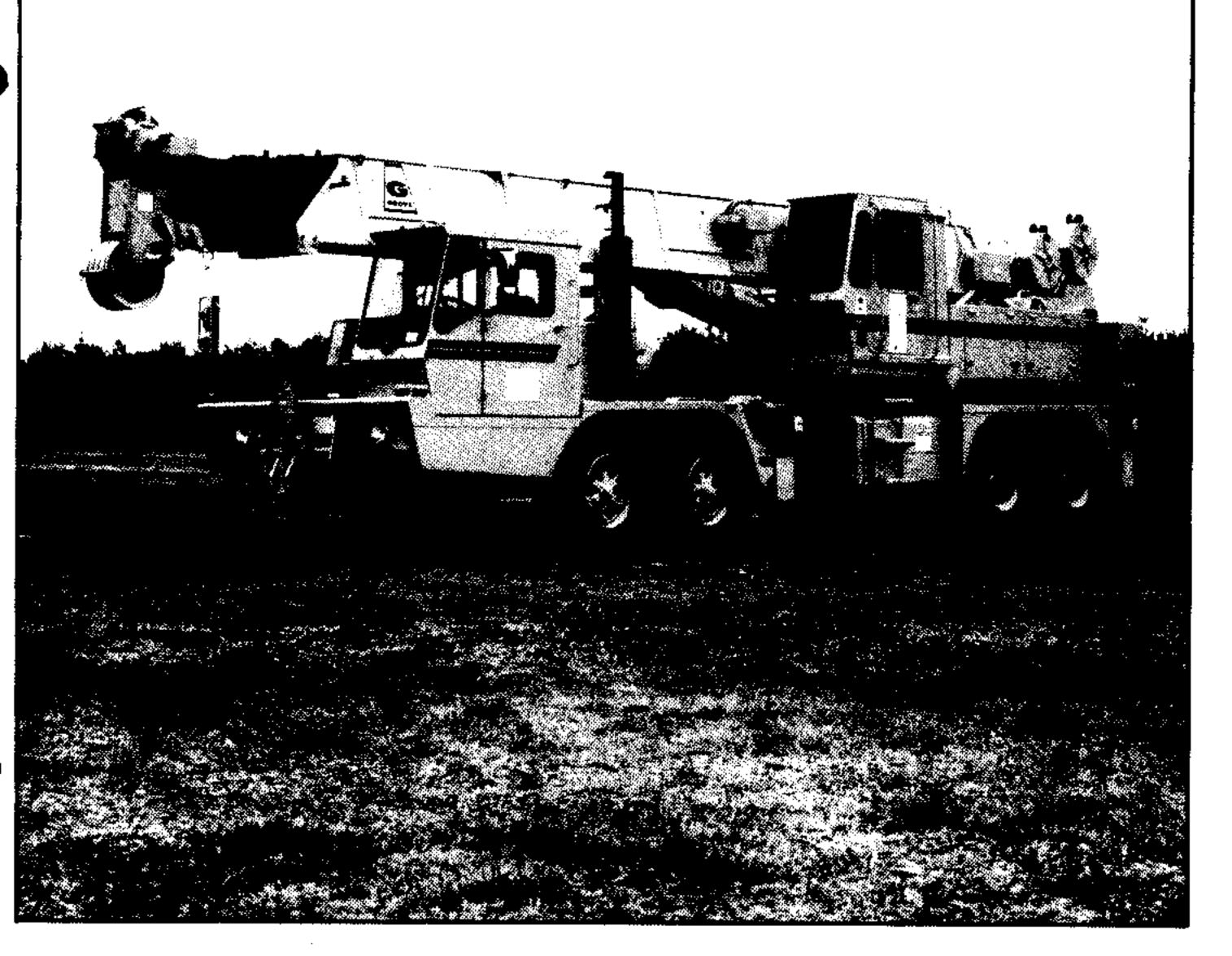


TMS300B

Truck-mounted hydraulic crane

- Capacity 40 tons (37,500 kg)
- Standard fifth jack for 360° duties
- Maximum on-board tip height 164 ft. (50m)
- Optional 32 ft. 56 ft. (9.8-17m) telescopic swingaway offsets 0°, 15° and 30°



Superstructure specifications

Boom	34 ft. to 104 ft. (10.4m - 31.7m) four section Trapezoidal† power pinned boom. Telescopic sec- tions slide on adjustable and replaceable nylatron pads. Maximum tip height: 109 ft. (33.2m).	Valves Precision for individual work multiple Filter Return line and filter b 15/30/38 f		pump disconnect. Con	gear pumps powered by carrier engine. np disconnect. Combined capacity 146 LPM).		
Swingaway Extension	32 ft. (9.8m) lattice swingaway boom extension stows alongside base boom section when not in use. Maximum tip height: 140 ft. (42.7m).			-	four way double acting control valves, 4 valve banks permit simultaneous control e crane functions.		
*Optional Telescopic Swingaway	32 ft. to 56 ft. (9.8m-17m) telescopic lattice swingaway extension with offset links, offsettable at 0°, 15° or 30°. Stows alongside base boom when not in use. Maximum tip height: 164 ft. (50.0m).			er by-pass indicator, re/38 filtration rating.	 		
*Optional Offsettable	32 ft. (9.8m) lattice swingaway. Boom extension stows alongside base boom section when not	external si		•	is (481 L) with spin-on breather filter, ight gauge, clean out access, strap to frame.		
Swingaway	in use. Offsettable at 0°, 15° or 30°. Maximum tip height: 140 ft. (42.7m).	Oil Cooler Full flow, fin and tube, oil to air.			air.		
Boom Nose	Four 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 SPECI	Series parallel circuitry and two motors provide both high line pull and speed ranges. Power up and down, equal speed, planetary reduction with integra automatic brake and electronic hoist drum rotatic indicator. Main Hoist HO30B-16 or				
Boom Elevation	Two double acting hydraulic cylinders with integral holding valve provides elevation from -3° to 76°.						
Load Moment & Anti-Two Block System	Standard load moment and anti-two block system with audio-visual warning and control lever lockout.	Make/Model		*Auxiliary Hoist High Range	HO30B-16 Low Range		
	These 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.	Maximum single line speed	Bottom layer Intermediate layer	396 FPM (121m/min) 460 FPM (140m/min)	198 FPM (60 m/min) 230 FPM (70 m/min)		
Cab	Full vision, all steel fabricated with accoustical lining		Top layer	526 FPM (160m/min)	263 FPM (80 m/min)		
	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 winshield wash-wipe, circulating air fan. heater, swing horn, fire extinguisher, seat belt. *Optional items: electric skylight wiper and air conditioning (Special Order).	Maximum single line pull	Bottom layer Intermediate layer Top layer	8,161 lbs. (3701 kg) 7,028 lbs. (3188 kg) 6.172 lbs. (2799 kg)	16,322 lbs. (7404 kg) 14,056 lbs. (6376 kg) 12,344 lbs. (5599 kg)		
Swing	Ball bearing swing circle with 360° continuous rota- tion. Grove "glide swing" with foot actuated disc brake, spring applied hydraulically released park	Maximum permissible line pull w/5:1 Streng	th Factor	(586	20 lbs. of kg) wire rope		
	brake and 360° positive turntable lock. Combination controls provided for hand or foot operation. Swing speed 2.6 RPM.	Maximum rope		508 ft. of 3,	/Aux. /4″ dia. rope of 19mm)		
Counterweight	Fixed position pinned to turntable. Weight varies depending on hoist configuration.	stowage	Note: 500 ft. (1 unit for main he	52m of 19mm) supplie	•		
				†Pajented Grove feature	or patent pending		

Carrier specifications

Frame	High strength alloy steel all welded box-type con- struction with integral outrigger boxes and front/ rear lifting, towing and tie down lugs.		Lights	Full lighting includin directional and haza	
Outrigger System	Hydraulic single stage double box telescopic beam and jack outriggers with integral holding valves. All steel fabricated quick release type outrigger floats 24" (610mm) diameter. Standard fifth front stabilizer for 360° duties.		Cab	One man design, all lining and tinted saf fabric covered fully ing controls and engine tachometer, speedor oil pressure, fuel lev	
Outrigger Controls	requiring	superstructure cab. Push button controls two-handed operation for safety. Crane cator (sight bubble) adjacent to controls.	<u> </u>	standard items inclu electric windshield v belt and door and w	
Engine	Detroit diesel 6-71N six cylinder, naturally aspirated water cooled diesel, 426 cu. in. (7 L) 230 bhp (172 kw) (Gross) @ 2100 RPM. Maximum torque 611 ft. lbs. (84.5 kg/m) @ 1600 RPM.		Maximum Speed	51.5 MPH (82.9 kph	
			Gross Vehicle Weight & Axle	BASIC STANDARD M Front Tandem: Rear Tandem:	
Fuel Tank Capacity	(1) 90 ga	llon (341 L)	Loads	G.V.W.:	
Electrical System	Four 12 volt - maintenance free batteries, 24 volt starting.		Miscellaneous Standard Equipment	Dual rear view mirro electronic back-up a	
Drive	8 x 4		Optional	* Immersion engine	
Steering	Front axle steering, cam and lever type with hydrau- lic assist.		Equipment	* Hookblocks/Heada * Spare wheel assem	
Transmission	Manual with 13 speeds forward and 3 reverse.			Pintle hook front :Working lights	
Axles	Front: Rear:	Rockwell beam type steer axles. Rockwell SSHD drive tandem, with inter-axle differential and dash mounted control.		* Engine low oil pr audio/visual warni * 360° rotating beac * Tool kit	
Suspension	Front axles (1 & 2) spring mounted tandem. Rear axles (3 & 4) solid mount tandem with equalizing beam and solid steel saddles.			* Dual base boom n †Patented *Henotes o	
Tires	Front: Rear:	15.00x22.5-16PR duplex highway tread tubeless singles. 11:00x20-14PR highway tread tube type duals.			
Optional Tires	Front:	16.5x22.5-16PR duplex highway tread tubeless and 12:00x20-18PR Michelin radial tube type.			
	Rear:	11:00x20-14PR highway tread SRL-1 or HCT tube type radial and 12:00x20-18PR radial tube type.			
Brakes		all wheels. Air dryer provided to pre-			

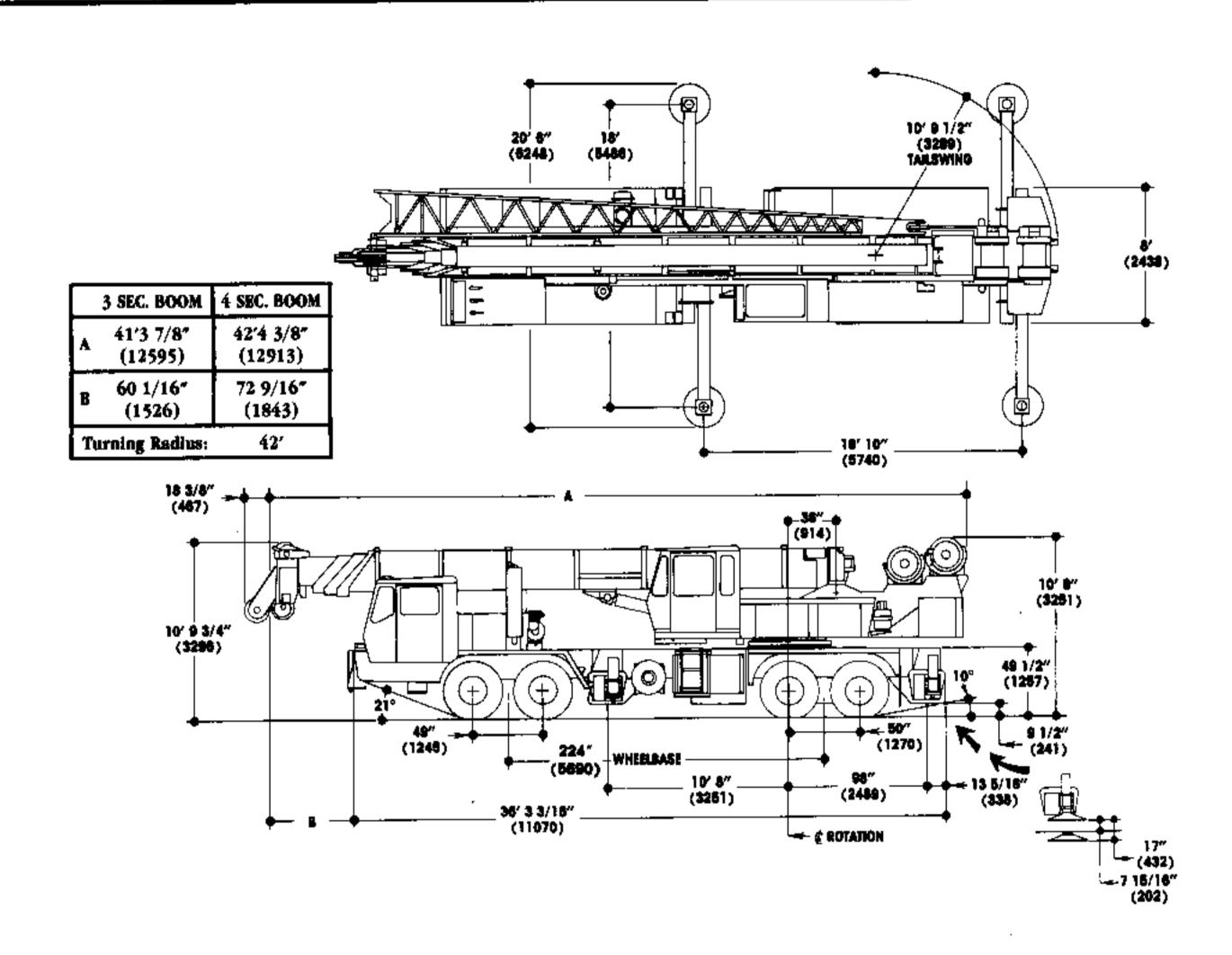
clude moisture accumulation. Spring set emergency

brake on both rear axles with emergency release.

Lights	Full lighting including head, tail, braking, reversing, directional and hazard warning lights. 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. Other standard items include hot water heater/defroster, electric windshield wash/wipe, fire extinguisher, seat belt and door and window locks.			
Cab				
Maximum Speed	51.5 MPH (82.9 kph)			
Gross Vehicle Weight & Axle Loads	BASIC STANDARD Front Tandem: Rear Tandem: G.V.W.:	MACHINE 28,743 lbs. (13,038 kgs) 43,884 lbs. (19,906 kgs) 72,627 lbs. (32,944 kgs) (includes 32 ft. swingaway)		
Miscellaneous Standard Equipment	Dual rear view mirrors, hookblock tiedown sling, electronic back-up alarm, light package.			
Optional Equipment	audio/visual wa * 360° rotating be * Tool kit	dache balls embly it and rear pressure, high water temperature ming system		

ed Grove feature or patent pending.

es optional equipment.





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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 all standard equipment.

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