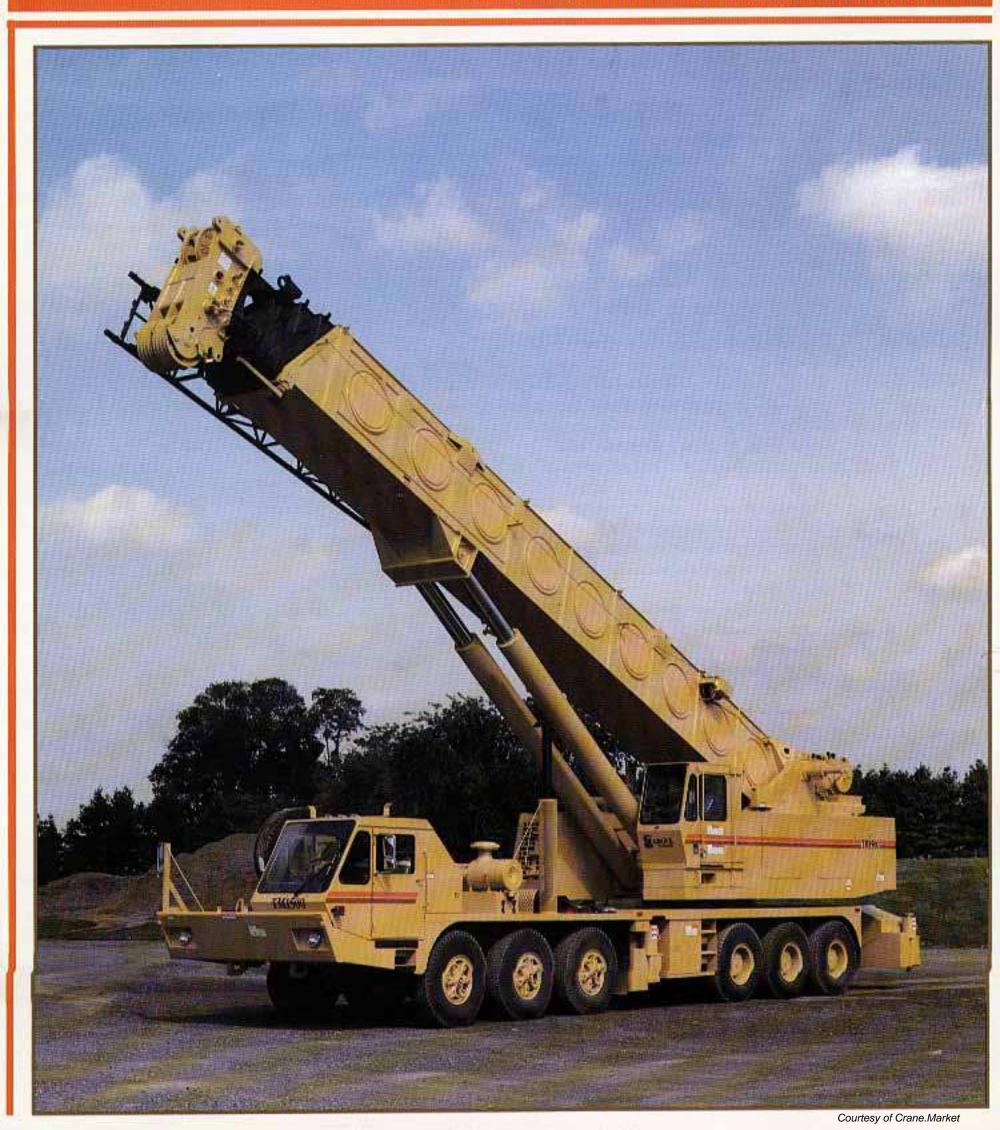


TM1500

Carrier-Mounted Hydraulic Crane



Carrier specifications

Frame	High strength alloy steel all welded box-type		
TOSS, NO.	construction with integral outrigger housings and		
	front/rear lifting, towing and tie down lugs.		
Outrigger	Hydraulic double stage, double box telescopic beam		
System	and jack outriggers with integral holding valves. All		
3.9	steel fabricated quick release type outrigger floats.		
	30 1/2 in. (775mm) diameter, Maximum outrigger		
	pad load 282,825 lbs. (92000 kg). Standard fifth fron		
	stabilizer for 360° duties.		
Outrigger	Located in the superstructure cab and on both sides of		
Controls	the carrier frame. Push button controls requiring two		
	handed operation. Crane level indicator (sight-		
	bubble) adjacent to each set of controls.		
Engine	Cummins NTC 450C, six-cylinder turbo-charged		
Lingine	after-cooled diesel. 450 bhp (335 kw) (gross) @		
	2,100 RPM. Maximum net torque 1500 ft. lbs.		
	(194 kg/m) @ 1,400 RPM.		
Fuel Tank	(1) 100 gallons (378.5L)		
Capacity	(1) 100 ganons (3/6.7L)		
Electrical	Two 12 volt - maintenance free batteries,		
System	12 volt starting.		
Drive	12 x 6		
75.75	Front axle steering, cam and lever type with hydraulic		
Steering	assist.		
Transmission	Fuller Roadranger, 9 speeds forward, 2 reverse.		
Axles	Front: (3) Rockwell tubular steering		
Axies	FL951, 100 in. (2540mm) track.		
	마리카를 하다. 이번에는 그리고 있다면 하면 하지만 하게 되었다면 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하다고 하는데		
0	85 in. (2159mm) track.		
Suspension	Front axles (3) spring mounted tridem.		
	Rear axles (3) solid mounted tridem with equalizing		
77	beams.		
Tires	Michelin 14.00X20-22PR(G20 X ZA4) radial ply tires		
	front and back.		
Brakes	Full air on all wheels. Air dryer provided to preclude		
	moisture accumulation. Spring set emergency brake		
******	on all rear axles with emergency release.		
Lights	Full lighting including head, tail, braking, reversing,		
	directional and hazard warning lights.		
Cab	Two 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 washer and		
9	wiper, fire extinguisher, seat belt, door and window		
	locks.		
Maximum Speed	42.1 MPH (67.3 kph).		

Standard	trough, electronic back-up alarm, light package.	
Miscellaneous	Dual rear view mirrors, hookblock stowage	
Loads	G.V.W. 193,585 lbs. (87810 kg)	
Weight & Axle	Rear: 135,646 lbs. (61529 kg)	
Gross Vehicle	BASIC STANDARD MACHINE Front: 57,939 lbs. (26281 kg)	

*Denotes optional equipment

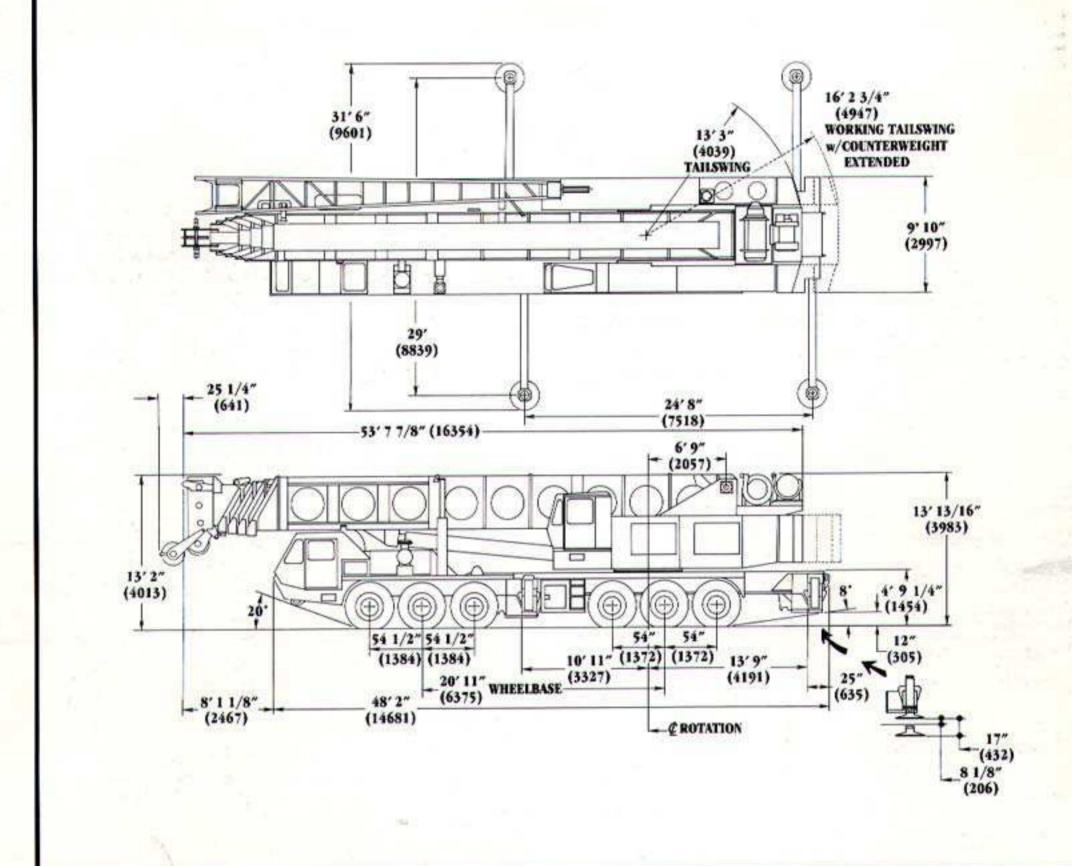
Superstructure specifications

Boom	46 ft. to 173 ft. (14m -53m) five section Trapezoidal boom, including remote-controlled aerial pinned section. Telescope sections are supported on replaceable graphite impregnated low friction wear	HYDRAULIC SYSTEM Pumps	Six main gear pumps powered by superstructure engine. Manual pump disconnect. Combined capaci 349 GPM (1321 LPM).		
S	pads. Maximum Tip Height: 182 ft. (55m).	Valves	individual valve	vay double acting co banks permit simul	
Swingaway Extension	33 ft. (10.1m) lattice swingaway boom extension stows alongside base boom section when not in use. Offsettable at 2°, 15° or 30°. Maximum Tip Height: 215 ft. (66m).	Filter	multiple crane functions. Return line type, full flow with by-pass protection and filter by-pass indicator, replaceable cartridge, 25 micron filtration rating.		
*Optional Telescopic Swingaway	33 ft. to 58 ft. (10m-18m) telescopic lattice swingaway extension with offset links, offsettable at 2°, 15° or 30°. Stows alongside base boom when not in use.	Reservoir	420 gallons (1590 liters) with spin-on breather filter, external sight gauge, clean out access, strap mounted to frame.		
	Maximum Tip Height: 240 ft. (73m).	Oil Cooler	Full flow, fin an	d tube, oil to air.	
*Optional Jib Extension Boom Nose	60 ft. (18m) or 88 ft. (27m) fixed offset jib. Also available are 60 ft. and 88 ft. power luffing jibs. Maximum Tip Height: 270 ft. (82m). Eight nylatron sheaves mounted on heavy duty tapered roller bearings with removable pin-type rope guards. Standard removable auxiliary boom nose with removable pin-type rope guard.	HOIST SPECIFICATION	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. Main Hoist Gearmatic Model 44-26(H) and		
Boom Elevation	Dual double acting hydraulic cylinders with integral holding valve provides elevation from -3° to 80°.	Make/Model		Auxili <mark>ar</mark> y Hoist Ho Main	
Load Moment	Standard load moment and anti-two block system with	Maximum	Bottom Layer	314 FPM	454 FPM
& Anti-Two	audio-visual warning and control lever lockout. These	single line	2.7	(96m/min)	(138m/min)
Block System	systems provide electronic display of boom angle,	speed			
5555 ASE-61000 FE	length, radius, tip height, relative load moment,		Intermediate	366 FPM	528 FPM
	maximum permissible load, load indication and warning of impending two-block condition.		Layer	(112m/min)	(161m/min)
Cab	Full vision, all-steel fabricated with acoustical lining and tinted safety glass throughout. Dash panel		Top Layer	419 FPM (128m/min)	601 FPM (183m/min)
	incorporates gauges for all engine functions. Other standard features include: hinged skylight, sliding left side door and sliding right side window, electric	Maximum single line pull	Bottom Layer	24,900 lbs. (11295 kg)	16,322 lbs. (7404 kg)
	windshield washer and wiper, circulating air fan,	*AAH	Intermediate	21,327 lbs.	14,056 lbs.
	heater and defroster, swing horn, fire extinguisher, and seat belt. *Optional items: electric skylight wiper		Layer	(9674 kg)	(6376 kg)
	and air conditioning.		Top Layer	18,650 lbs.	12,344 lbs.
Swing	Roller bearing swing circle with 360° continuous		100000000000000000000000000000000000000	(8460 kg)	(5599 kg)
	rotation. Grove planetary "glide-swing" with foot	Maximum permissible	e	22,760 lbs.	12,920 lbs.
	actuated disc brake, spring applied hydraulically released park brake and 360° position positive	line pull w/5:1 strength factor	1 23	(10324 kg)	(5861 kg)
	turntable lock. Combination controls provided for	Maximum		950 ft. of 1 in.	830 ft. of 3/4 in.
	hand or foot operation. Swing speed 1.9 RPM.	rope		dia. rope	dia. rope
Counterweight	Turntable mounted, power installed and removed, hydraulically extended to working position and	stowage		(290m of 25.4mm)	(253m of 19.1mm)
8	retracted to stowed or travel position. 15,700 lbs. (7122 kg) with auxiliary hoist; 17,400 lbs. (7892 kg) without auxiliary hoist.			*Denotes	optional equipmen
Engine	Cummins 6CTA8.3 six cylinder turbo-charged after- cooled diesel, 250 bhp (186 kw) (gross) @ 2500			88	

RPM. Maximum torque: 650 ft. lbs. (90 kg/m) @

1800 RPM.

Dimensions TM1500





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