

GUAY P&H T-400XL

40-ton hydraulic truck crane 170-ft. (51.8 m) maximum tip height



PROVEN OMEGA® UPPER WITH NEW TRUCK CARRIER

- Excellent reach afforded by telescoping 106 ft. (32.3 m) 3-section boom with power-pinned manual 4th section. Add 34 ft. (10.4 m) lattice boom extension and 25 ft. (7.6 m) jib for total length of 165 ft. (50.3 m).
- Telescope rated loads for precise placement. Semi-fixed cylinder mounts decrease cylinder deflection under load and increase telescoping capacity.
- Superior lifting performance provided by rectangular, full depth four-plate boom that is welded inside and out.
- New 8 x 4 truck carrier has strong rigid frame utilizing a high strength rectangular box side rail construction, roomy lowline cab, sprung front suspension, 9'-9%" (3.0 m) road width and road speeds to 47 mph (75.7 Kmph).
- Fast, solid set-up with P&H scissors type outriggers. Excellent stability with 22'-8%" (6.92 m) outrigger stance.

- Turbocharged engine offers low sound levels, low fuel consumption, excellent high altitude performance and superior torque for optimum horsepower usage.
- Total operator comfort means less fatigue and greater production. Spacious cab module allows placement of controls "in the palm of your hand", lots of leg and elbow room, and full vision of all activities.
- A duty-cycle machine powerful P&H winches offer high line speeds, pull and controlled free fall. VOLUMATIK® hydraulic system provides optimum oil flow for fast crane functioning.
- Less downtime T-400XL is "Pit-Stop" maintenance-proven.
 It's industry's most serviceable crane engineered for parts commonality, accessibility and fast tear-down.

Specifications



specifications



BOOM: All boom sections are of full depth rectangular four-plate construction welded inside and out, with adjustable nylon slider pads on top, bottom and sides. All powered sections are selectively sequenced, each section lever controlled. Boom point contains four

18.125" (460 mm) P.D. main sheaves and one 14.125" (359 mm) P.D. idler sheave. Sheaves are non-metallic with roller bearings. A fifth sheave to meet export code is optional. Semi-fixed telescope cylinder mounts provide capacity to telescope full rated loads

Four (4) section boom, with manual section, 32.5' (9.9 m) retracted length, 106' (32.3 m) extended length, consisting of one base section, 2 powered sections and one manually pinned section with boom point which can be hydraulically extended or retracted (standard)

BOOM EXTENSION (OPTIONAL): For extending reach of boom. 34' (10.4 m) swing-around tapered lattice structure with single 18.125" (460 mm) P.D. non-metallic boom point sheave with roller bearing. Easily installed from ground level by pivoting from its stored position on right side of boom base and pin connecting to boom point.

JIB (OPTIONAL): For extending reach of boom extension. 25' (7.6 m) A-frame structure with single 14.125" (359 mm) P.D. non-metallic jib point sheave with bronze busting, compression strut and guy cables. Pin and guy line connected.

AUXILIARY SHEAVE (OPTIONAL): Single non-metallic sheave 14.125" (359 mm) P.D. with bronze bushing, bracket-mounted on boom point, for use with single auxiliary winch line.

HOOK BLOCKS (OPTIONAL):

- A) 40 Ton 3 sheaves with swivel hook and safety latch, for 3/4" (19
- B) 20 Ton 1 sheave with swivel hook and safety latch, for 3/4" (19 mm) wire rope.
- C) 8.5 Ton weighted hook with swivel and safety latch, for 3/4" (19 mm) wire rope.

COUNTERWEIGHT: 7000 lb. (3175 kg).



OPERATOR'S CAB: All-weather environmental cab of steel has hinged ceiling window, slide-by right side window with guard, large windows with full view in all directions and locking slide-by door. Safety glass used throughout. Operator's four-way adjustable seat has

torsion suspension. Cab is 34.5 inches (876 mm) wide with a stand-up height of 56 inches (1422 mm) and is cushion-mounted for vibration dampening and noise reduction

CAB ACCESSORIES (STANDARD): Cab contains all crane function controls in addition to mechanical boom angle indicator, electric windshield wiper, dash light, warning light and buzzer (monitoring hydraulic oil temperature, engine water temperature, air pressure and engine oil pressure), low voltage indicating light, fuel gauge, master ignition switch, engine start button, engine stop button, two-speed controls for winches, circular level, hand throttle, electric remote control of outriggers and cigarette lighter.

CAB ACCESSORIES (OPTIONAL): Heater (diesel or propane fueled, thermostatically controlled), defroster fan, electric roof window wiper windshield washer, seat belt, fire extinguisher, electronic boom angle indicator, electronic boom length indicator, load movement device, drum rotation indicators for main and auxiliary winches, vandal-proof glass (lexan), electronic anti-two-block device, cold weather engine starting aid, floodlights, rear view mirrors, electric horn and rotary roof beacon.



CONTROLS: In front of operator are foot pedals for boom hoist, swing brake and engine throttle. Mounted on left hand side of front console are three (3) doubleacting levers for swing (with horn button) and telescope (2 telescope levers for individual positioning of powered

sections of boom.) At the right are levers for auxiliary winch (optional), main winch, and boom hoist. On right side of seat are floor mounted levers for house lock and swing holding brake. Drum rotation indicators (optional) are mounted on auxiliary and main winch levers. At operator's right are console mounted switches for ignition, windshield wiper, defroster (optional), and outrigger controls. Also on console are engine start button, high temperature warning light, engine stop button, dash light, fuel gauge, air pressure gauge, circular level, and positive (air) hand throttle. Console has prewired removable modules for ease of service.



MAIN WINCH: P&H Model 16 two-speed, mounted on revolving frame. Planetary gearing for power raising and lowering. Infinitely variable controlled speed. Spring applied, hydraulically released load holding caliper disc brake with controlled free-fall. Complete with 550'

(167.6 m) wire rope.

Drum: Grooved 15" (381 mm) P.D. x 20" (508 mm) wide.

Wire Rope: 3/4" (19 mm) dia. 8 x 19 spin resistant, extra improved plow steel with 7 x 7 I.W.R.C.

Drum Capacity: 765 ft. (233 m) 6 layers.

Line Pull (Max.): 18,000 lb. (8165 kg) 1st layer.

Line Pull (Permissible): 10,000 lb. (4536 kg) per part of line.

14,571 lb. (6609 kg) based on strength of recommended wire rope.

Line Speed (Max.): 543 fpm (166 m/m) 6th layer.

AUXILIARY WINCH (OPTIONAL): Same as main winch.

AUXILIARY WINCH (OPTIONAL): P&H Model 10-1 single-speed, mounted on revolving frame. Planetary gearing for power raising and lowering. Infinitely variable controlled speed. Spring applied, hydraulically released load holding caliper disc brake with controlled free-fall. Complete with 450' (137.2 m) wire rope.

Drum: Grooved 11.25" (286 mm) P.D. x 14" (356 mm) wide.

Wire Rope: 9/16" (14 mm) dia. 8 x 19 spin resistant, extra improved plow steel with 7 x 7 I.W.R.C.

Drum Capacity: 530 ft. (162 m) 6 layers.

Line Pull (Max.): 11,000 lb. (4990 kg) 1st layer.

Line Pull (Permissible): 7150 lb. (3243 kg) per part of line, 5th layer.

8400 lb. (3810 kg) based on strength of

recommended wire rope.

Line Speed (Max.): 459 fpm (140m/m) 6th layer.

SPECIAL MAIN & AUXILIARY WINCHES: (Optional for export requirements.) Same as standard, but with holding valve to eliminate free fall.



BOOM HOIST: Two 8" (203 mm) I.D. cylinders, doubleacting. Hydraulically powered raising and lowering with holding valve.

BOOM TELESCOPE: Two 6.9" (152 mm) I.D. cylinders - double-acting. Hydraulically powered raising and lowering with holding valve. Supplied by a single hose loop.

VOLU-MATIK® HYDRAULIC SYSTEM: This system utilizes 6 pumps and is designed to provide ample volume and pressure for optimum performance

The right hand main tandem gear pump, at 2600 rpm (engine full load), provides 37 gpm (140 lpm) to the main and/or auxiliary winch boost circuits and 27 gpm (102.2 lpm) to the swing or outrigger circuits.

The left hand main tandem gear pump, at 2600 rpm (engine full load) provides 51 gpm (193 lpm) to the main and/or auxiliary winch circuits and 51 gpm (193 lpm) to the boom hoist and telescope circuits.

The fifth pump, driven at 2600 rpm (full load) is a variable-volume, variable pressure axial piston pump and provides 9 gpm (34.1 lpm) to pilot valves for winch brake release, winch speed shifting and swing brake release.

These five pumps are furnished with a manual pump disconnect.

A sixth pump, driven off the rear of engine camshaft at 2600 rpm is a gear pump and provides 18 gpm (68.1 lpm) to the steering circuit.

Total flow for this system at governed engine speed is 193 gpm (730.5 lpm). High pressure oil leaving the pump to the swing and outrigger circuits is filtered to 20 microns to protect seals in cylinders, valves and motors, before entering the functioning circuits. Returning oil is filtered in two bypass type filters to 10 microns before entering the reservoir.

The 160 gal. (606 liter) reservoir is located on the right side of carrier. Pumps, valves, cylinders and motors are readily accessible and easy to service. Control valves are four-way, three position type with low effort spools and pilot-operated relief valves for quick, smooth response. Swing valve is pressure compensated. Cable linkage connects valves to control levers. Oil cooler is standard.



PCSA CLASS 12-182 "with outriggers fully extend and set"

rated crane loads in pounds — boom in over side and over rear work areas

			воом	LENGTH	H (FEET)	1							NUAL SE			red							ANUA TX3 NC	-		L RETRA			E EXTE		
		32.5 40 48 56				64 72 81.5				106		115.5		140																	
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10	64	80000	80000	70	68000	.68000	73	67000	67000	76	62000	62000																			10
12	60	68000	68000	66	64000	64000	71	61000	61000	74	57000	57000	76	50000																	12
15	54	60000	60000	62	57000	57000	67	54000	54000	71	51000	51000	73	44000	44000	76	40000	40000								VG.				15	
20	41	47000	47000	53	45000	45000	60	43000	43000	65	40000	40000	69	37000		72	33000	33000	74	30000	30000								20		
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40		GAINST S					21	18200	18600	38	18200	18600	47	18200	-	53		17500	58	15500	15500	67	13500		69	12300	12300	74	8300	8300	40
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100	BE EX	TENDED	EQUALLY	_												LESS THA						7	2200	2700	26	2600	3000	44	3000	3300	100
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120									17	-	1100	130																			
130	4													HATING	OF NEXT	LOWER BO	JOM ANG	LE.										17		1100	130

"on rubber"

rated crane loads in pounds — minimum boom (64' maximum)

LOAD RADIUS		ONARY	TRAVEL RATINGS OVER REAR		
(FEET)	OVER REAR	OVER SIDE	CREEP	5 MPH	
10	35300	27200	31800	22800	
12	32200	22600	28900	20300	
15	28500	16200	25200	17400	
20	20500	9400	19700	14000	
25	14200	5600	13600	11400	
30	10300	3300	-	_	
35	7500	1700	-	-	
40	5600	_	_	_	
45	4100	_	_		
50	2900	-	-	-	
55	2000	-	_		

32U1805

LOAD RATINGS WITHOUT OUTRIGGERS DEPEND ON TIRE CAPACITY AND CONDITION, INFLATED PER TABLE.

TIRE INFLATION							
SZE	STAT	CREEP	5MPH				
11.00x20-14 PR	110 PSI	110 PSI	100 PSI				
12 00x20-14 PR	100 PSI	100 PSI	90 PSI				

WHEN TRANSPORTING A LOAD, MACHINE MUST BE ON FIRM, LEVEL SURFACE WITH MECHANICAL HOUSELOCK ENGAGED AND LOAD CENTERED OVER REAR OF MACHINE AND RESTRAINED FROM SWINGING DO NOT EXCEED 5 MPH (8 KMPH) VEHICLE SPEED.

CREEP IS NOTION FOR LESS THAN 200 FT. (60.9 M) IN A 30 MIN. PERIOD AND NOT EXCEEDING 1 MPH.

RATINGS ABOVE THE HEAVY LINE ARE BASED ON STRUCTURAL COMPETENCE AND NOT ON MACHINE STABILITY.

STABILITY RATINGS DO NOT EXCEED 75% OF TIPPING LOADS WITH AUXILIARY SHEAVE ON BOOM POINT AND STOWED BOOM EXTENSION.

Jib ratings

MA	IN POL	AD RATING: JNDS	S
Minimum Boom Angle	JIB 5°	ANGLE OFF	SET 30°
780	5000	4200	3700
750	4600	4000	3500
700	4100	3700	3300
650	3500	3200	2900
600	3100	2900	2700
550	2600	2500	2400
500	2200	2100	2000

JIB CAPACITY NOTES:

- 1 MAXIMUM JIB LOAD RATINGS ARE BASED ON STRUCTURAL COM-PETENCE AND DO NOT EXCEED 85% OF TIPPING LOAD WITH FULLY EXTENDED OUTRIGGERS USE OF OUTRIGGERS IS RE-QUIRED WHEN BOOM IS EQUIPPED WITH JIB
- 2 FOR BUCKET RATINGS ON JIB DEDUCT 20% FROM MAXIMUM JIB LOAD RATINGS
- 3 WARNING: DO NOT LIFT WITH JIB AT BOOM ANGLES BELOW 50° LOSS OF STABILITY OCCURS RAPIDLY
- 4 WARNING: DO NOT EXCEED 130 FOOT LOAD RADIUS WITH ERECTED JIB OR A TIPPING CONDITION WILL OCCUR.

WARNING: "WITHOUT OUTRIGGER" LIFTS WITH JIB OR BOOM EXTENSION IN WORKING POSITION ARE PROHIBITED.

TO HELP PREVENT TIPPING CONDITIONS WHEN "LIFTING ON RUBBER", IT IS RECOMMENDED THAT -

MINIMUM BOOM LENGTHS BE USED, NOT EXCEEDING 64 FEET.
 OUTRIGGERS BE EXTENDED AS FAR AS POSSIBLE AND CLEAR OF GROUND.

WARNING: DO NOT EXCEED RATED LOAD AT RADIUS SHOWN OR TIPPING WILL OCCUR.



deductions to be made from rated loads

400000000000000000000000000000000000000		O BE MADE FROI D LOAD (IN POUI	
HOOK BLOCK	ON BOOM	ON LATTICE EXTENSION	ON JIB
40 Ton 3 Sheave	490	-	
20 Ton 1 Sheave	580	2700	_
8.5 Ton Ball Hook	265	2300	5100

		MADE FROM LA LOADS (IN POU		
HOOK BLOCK	ON BOOM	ON LATTICE EXTENSION	ON JIB	
40 Ton	335	_	_	
20 Ton	400	580	_	
8.5 Ton	200	265	1400	
		O BE MADE FROM ADS (IN POUNDS)		
HOOK BLOCK	ON BOOM	ON LATTICE EXTENSION	ON JIB	
	200			
40 Ton	220	_		
40 Ton 20 Ton	300	500		

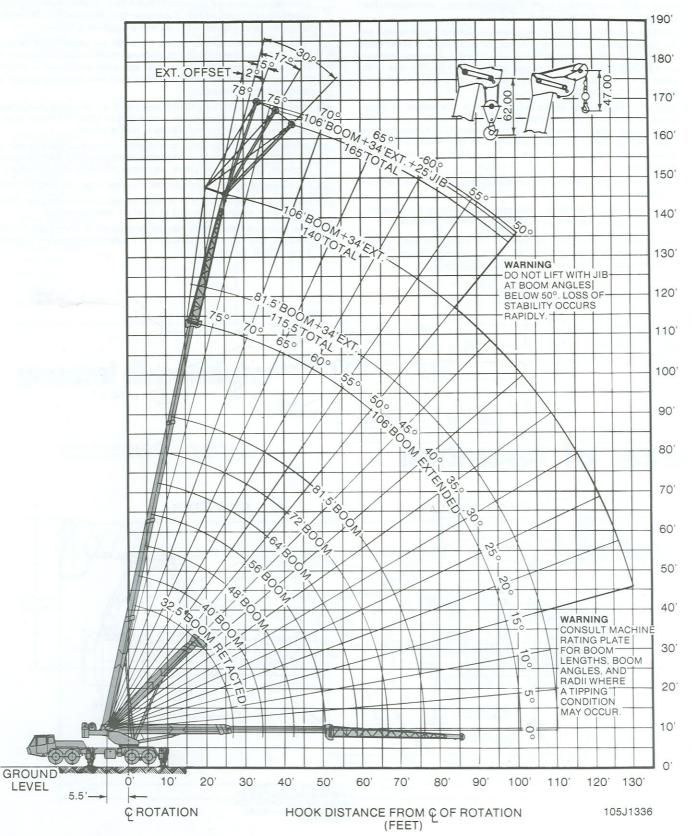
PERMISSIBILE HOIST LINE LOAD IN POUNDS								
PARTS OF LINE	P&H 16 MAIN WINCH	P&H 16 AUXILIARY WINCH	P&H 10-1 AUXILIARY WINCH					
1	10,000	10,000	7,150					
2	20,000	20,000	14,300					
3	30,000	30,000	21,450					
4	40,000	_ :	_					
5	50,000	-	_					
6	60,000	_	_					
7	68,000	_	_					

	HOIST LINE WIRE ROPE									
TYPE	3/4-8 x 19 IWRC	P&H TYPE 25 3/4-6 x 25F IWRC	9/16-8 x 19 IWRC	P&H TYPE 25 9/16-6 x 25F IWRC						
BREAKING STRENGTH	51,000 lb.	58,800 lb.	29,400 lb.	33,600 lb.						
PERMISSIBLE STRENGTH	14,571 lb.	16,800 lb.	8,400 lb.	9,600 lb.						



working ranges

four section boom with manual section and 7,000 lbs. counterweight



HEIGHT ABOVE GR ND (FEET)



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SWING UNIT: Hydraulic motor driving through double reduction plus single planetary gear reducer (51.1) to pinion gear. 360° continuous rotation to 3 RPM.

SWING GEAR: Internal cut spur with 107 teeth 42.8"

SWING BRAKE: Caliper disc brake integral with swing gear reducer, manually applied with swing brake pedal for slow dynamic stopping or manually applied with swing holding brake lever for static holding. Holding brake is spring applied and hydraulically released by detenting swing break lever.

HOUSE LOCK: Two position (front and rear) pin-in-hole lock manually engaged with house lock lever in cab is standard. A positive 360° position lock is optional.

FASTENING TO LOWER: Single row ball bearing Swing Circle® integral with swing gear. Welded to carrier frame and bolted to rotating frame. Bearing is protected from dust by labyrinth seal.

ROTARY MANIFOLD: Sealed rotary swivel for air and hydraulic hose connections between rotating upper and carrier. Quickly removable from above or below for servicing. Electrical swivel is mounted on top of air and hydraulic swivel.



CARRIER: P&H 8 x 4.

WEIGHT: Including ball bearing Swing Circle, hydraulic outriggers and standard tires: 38,400 pounds (17,418 kg).

FRAME: All-welded unitized construction assures rigidity and permanent alignment of swing bearing and rotating upper machinery. Fabricated of rectangular main frame beams of high strength 100,000 psi minimum yield alloy steel and reinforced with box cross members of high strength 100,000 psi minimum yield alloy steel. Reinforced 50,000 psi yield high strength steel channel ahead of front outriggers.

LIGHTS: Dual headlights, tail lights, stop lights, front and rear directional signals with emergency flashers, rear license plate light, front, rear and side clearance lights with integral reflectors, dome light, nd front identification lights.

EQUIPMENT (STANDARD): Front bumper, full fenders, tow hooks front and rear, carrier-mounted boom rack, and sliding engine hood.

EQUIPMENT (OPTIONAL): Back-up warning device, cold weather starting aid, Jacobs engine brake, fire extinguisher, flood lights, spare wheel, front bumper float, anti-two block device, and tool boxes.



CAB: Low profile environmental cab of steel construction is mounted forward of the front suspension on the left side of the carrier frame. Cab is cushion mounted for vibration dampening and noise reduction. Large safety

glass windows are used throughout, providing full view in all directions. Operators four-way adjustable seat has torsion suspension.

CAB EQUIPMENT: Contains all roading controls and instrumentation. Includes illuminated instrument panel with speedometer, tachometer, hour meter, voltmeter and warning light, three (3) air pressure gauges with warning lights, fuel gauge, oil pressure gauge with warning lights, water temperature gauge with warning lights, master ignition switch, engine start and stop buttons. Panel also includes switches for highway lights, dome light, windshield wiper and washer (opt.), engine brake (opt.), engine starting aid (opt.), heater, defroster, turn signals. Right side console includes inter-axle differential lock, transmission shift lever and parking brake. Other cab equipment includes cigarette lighter, engine condition warning alarm, air horns, seat belt and West Coast rear view mirror.



OUTRIGGERS: Patented hydraulic scissor type with removable floats — eight double-acting hydraulic cylinders for independent horizontal and vertical motion of each beam, solenoid valve controlled. Holding valves on vertical cylinders. Patented remote controlled air

operated ratchet and pawl locks. Outrigger control stations on either ide of carrier are optional.

OUTRIGGER HOUSINGS: Two independent housings front and rear, pin-connected and removable. 100,000 PSI min. yield high strength alloy steel construction.

OUTRIGGER BEAMS: 100,000 PSI min. yield high strength alloy steel box extending to a maximum of 11' 4-5/16" (3.46 m) from center of carrier (with machine fully raised on outriggers).

OUTRIGGER FLOATS: Removable forged aluminum floats with storage on carrier.

FRONT AXLE: Rockwell FL951 tubular tandem.

REAR AXLE: Rockwell SSHD single reduction, ratio 6.83:1 with interaxle differential.

SUSPENSION: Front — Reyco four-spring, mounted tandem with torque rods. Rear — Hendrickson solid bogie, mounted tandem with torque rods.

STEERING: Ross HF hydraulic powered gear and integral valve with Garrison dual hydraulic power assist cylinders on axles, 18" (457 mm) diameter steering wheel.

TIRES: Standard - Eight (8) - $11.00 \times 20 14$ ply rim-mounted duals on 8" rims — rear, with Four (4) 15 x 22.5 16 ply rim-mounted duplex on 12.25" rims — front. Optional - $12.00 \times 20 14$ -ply rim-mounted on 8.5" rims — rear.

SERVICE BRAKES: Rockwell Stopmasters on front. Maxi safety brakes on rear. Air on all eight wheels — shoe type with separate front and rear air reservoirs for safety.

PARKING BRAKES: Maxi-spring set, air release on rear wheels.



POWER PLANT:

ENGINE

Model Type Detroit Diesel 6V-53T

Direct Injection Diesel

No. of cylinders 6 Cycle 2

Bore x Stroke, in (mm) 3.875 x 4.5 (98 x 114)

Displacement, cu. in. 318 (Liters) (5.2)

Air Induction Turbo-charged

Air Cleaner Two-stage dry type — replaceable

element

Oil Filter Fullflow with replaceable element
Fuel Filter Heavy duty with replaceable element
Fuel tank FHWA approved (Left side of carrier)

80 gal. (303 liters) cap.

Cooling Liquid-pressurized, recirculating by-pass
Radiator Fin and tube core, thermostat controlled
Fan 6 Blade, suction type, 26 in. (660 mm) dia.

Starting 12 volt motor

Charging 12 volt system with 65 amp. alternator,

negative ground 1 — 385 amp. hour

Compressor, air 12 CFM Governor, air 105-120 PSI

Horsepower, Gross 225 @ 2600 RPM SAE (168 kw)

PUMP DRIVES: Gear driven off carrier engine with manual disconnect for travel. Drive ratio 1:1

CLUTCH: Spicer 14" (355.6 mm) two plate with upshift clutch brake.

TRANSMISSION: Fuller RT613 Roadranger, thirteen speeds forward, three reverse.



Battery

PERFORMANCE:

Low gear 2.6 MPH (4.2 km/h) High gear 47 MPH (75.7 km/h) Max. grade 43%

due to engine performance, vehicle weights and tire options.

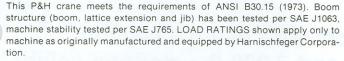
Speed and gradeability based on 76,000 pounds G.V.W. and may vary

SHEAVE AND DRUM TO WIRE ROPE RATIOS: (Pitch Diameter)

	Sheave to Wire Rope	Drum to Wire Rope
Boom Main Sheave	24.17 to 1	
Boom Idler Sheave	18.83 to 1	
Boom Ext. Sheave	24.17 to 1	
Jib Sheave	18.83 to 1	
Main Winch		20 to 1
Aux. Winch		20 to 1

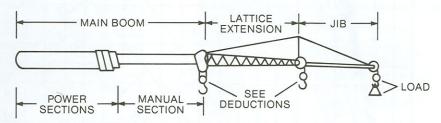


operating instructions



- LOAD RADIUS is horizontal distance from axis of rotation (before loading) to center of vertical hoist line (after loading). Actual working radii should be an accurate measurement.
- Boom, lattice extension and jib point height dimensions are measured from ground to center of load sheave.
- 3. LOADED BOOM ANGLE is the angle between the boom base section and the horizontal axis after lifting rated load at rated radius. Loaded boom angles shown are with rated loads applied and provide an approximation of the LOAD RADIUS at the specified BOOM LENGTH (includes lattice extension). The boom angle before loading should be slightly greater to account for boom deflection.
- 4. LOAD RATINGS shown are for machine with counterweight as shown, leveled and standing on firm, uniform supporting surface. Ratings are based on freely suspended loads and are not more than 85% of minimum tipping loads. Ratings above the bold horizontal line are based on machine's hydraulic or structural competence and not on machine stability (tipping conditions).
- To determine LOAD RATINGS in-between those shown on chart, proceed as follows:
 - a. for boom lengths not shown, use rating of next longer rated boom;
 - b. for load radii not shown, use rating of next longer rated radius.
- Deduct weight from LOAD RATINGS of all suspended load handling devices such as hooks, hookblocks, slings, buckets, etc. as they are considered part of the load. See table for deductions.

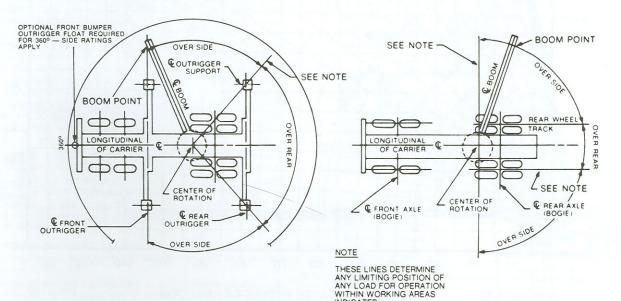
- Deduct weight from LOAD RATINGS of fixed boom attachments (jib, boom extension) either stowed or erected, as they reduce capacity of boom. See table for deductions.
- 8. LOAD RATINGS shown make no allowance for such factors as wind effect on lifted loads, ground conditions, out-of-level, operating speed or conditions that could be detrimental to safe operation of this machine. The operator must judge these factors and reduce ratings accordingly.
- "WITH OUTRIGGERS" LOAD RATINGS are based on outriggers fully extended and set at a distance of 11 ft. 4-5/16 in. (3.46 m) from longitudinal axis of carrier to vertical axis of outrigger float. Machine must be level and supported by outriggers with tires free of supporting surface.
- 10. "WITHOUT OUTRIGGERS" LOAD RATINGS are based on lift limitations and conditions of tires inflated to pressures shown in table. Over rear "Pick and Carry" ratings are limited to travel speed less than 5 mph (8 kmph) on firm, level ground with load centered over rear of machine and load restrained from swinging.
- 11. Maximum JIB LOAD RATINGS are based on structural competence. Ratings at any radius shall not exceed BOOM LOAD RATINGS at same radius and shall not exceed maximum ratings shown.
- 12. Jibs are intended to increase lifting height not load radius. Maximum JIB LOAD RADIUS shall not exceed maximum BOOM LOAD RADIUS of boom length on which jib is mounted. Jib ratings are based on boom angle.
- 13. For bucket ratings on jib, deduct 20% from maximum JIB LOAD RATINGS.
- 14. Method of telescoping boom is selective sequencing with each section extendible a distance of 24 ft. 6 in. (7.47 m). See rating chart.
- 15. The maximum load which may be telescoped is limited by hydraulic pressure, boom angle and lubrication. It is safe to telescope any load within limits of load rating chart.



areas of operation

ON OUTRIGGERS

ON RUBBER

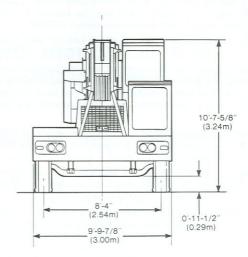


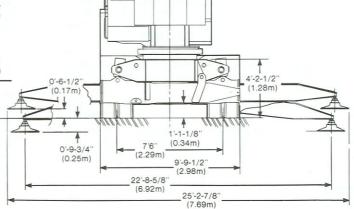
INDICATED



VEHICLE WEIGHTS: Include standard engine, standard manual boom (forward in travel position), standard main winch and cable, standard tires, 80 gals. fuel, and counterweight.

	G.V.W. 73,110 lb. (33,161 kg)	Front Axle 28,606 lb. (12,975 kg)	Rear Axle 44,504 lb. (20,185 kg)
Effect on axle loads by adding these items:	(66,161.189)	(12,010 kg)	(20,100 kg)
No. 16 auxiliary winch with cable	1151 lb.	- 453 lb.	1604 lb.
	(522 kg)	(205 kg)	(728 kg)
No. 10 auxiliary winch with cable	+ 231 lb.	- 94 lb.	+ 325 lb.
	(105 kg)	(43 kg)	(147 kg)
Eight 12:00x20 rear tires	+ 136 lb. (62 kg)	0	+ 136 lb. (62 kg)
Boom extension	+ 1266 lb.	+ 867 lb.	+ 399 lb.
	(574 kg)	(393 kg)	(181 kg)
Jib (stored)	+ 1056 lb.	+ 317 lb.	+ 739 lb.
	(479 kg)	(144 kg)	(355 kg)
Auxiliary sheave (with mounting)	+ 98 lb.	+ 166 lb.	- 68 lb.
	(44 kg)	(75 kg)	(31 kg)
8.5 ton weighted hook (stowed)	+ 265 lb.	+ 429 lb.	- 164 lb.
	(120 kg)	(195 kg)	(74 kg)
20 ton hook block	+ 580 lb.	+ 939 lb.	- 359 lb.
(stowed)	(263 kg)	(426 kg)	(163 kg)
40 ton hook block	+ 490 lb	+ 794 lb.	- 304 lb.
(stowed)	(222 k	(360 kg)	(138 kg)
Propane heater with tank	+ /).	+ 2 lb.	+ 46 lb.
	(2'z g)	(1 kg)	(21 kg)
Fifth float	166 lb. (75 kg)	_	_
Dunnage Box Option	304 lb.	105 lb.	199 lb.
	(138 kg)	(48 kg)	(90 kg)





7'-2-1/4' (2.19m) 4'-2-1/4" (1.28m)

general dimensions

VEHICLE TURNING CIRCLE - 91'-2" (27.79m) VEHICLE CLEARANCE CIRCLE - 100'-2" (30.53m)

