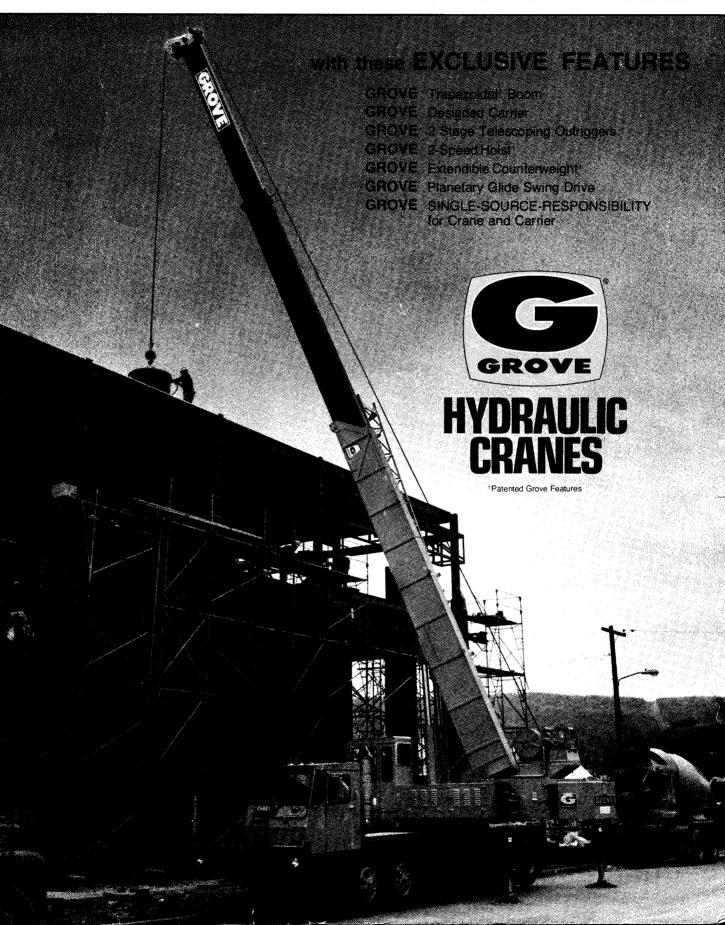
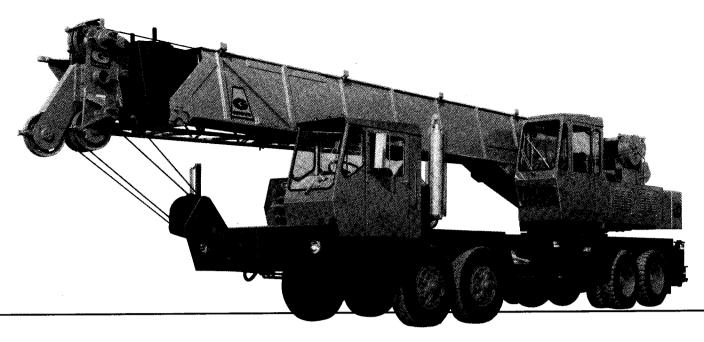
GROVE TMS 375LP

45-TON HYDRAULIC CRANE

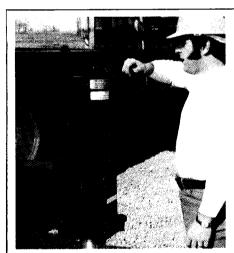


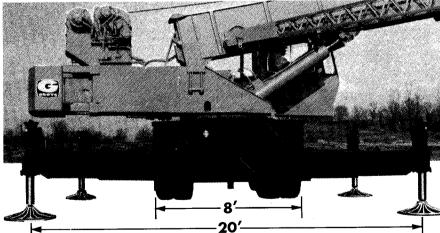


The NEW GROVE CARRIER

The TMS375LP features a Grove designed and built diesel powered carrier, matched to the particular requirements of this outstanding new crane. Only 8 feet wide with a 224 inch wheelbase, the carrier is extremely maneuverable and has a turning radius of under 40 feet. The all-welded steel frame in combination with the 20-foot outrigger spread provides an exceptionally stable lifting base.

Gross vehicle weight is extremely low for a crane of this capacity. In fact, the TMS375LP is the largest capacity hydraulic crane that can be put on the highway "ready-to-work". The unit meets axle-load limits for most states and also has trailing boom capability for those areas where it is desired. Detailed specifications for the carrier appear on the inside fold.





UNIQUE VERTICAL JACK LOCK

In addition to holding valves, an exclusive Grove spin-lock provides a positive lock for the jacks in any position.

GROVE TELESCOPING OUTRIGGERS!

Here's another Grove innovation . . . two-stage telescoping beam outriggers which extend to 20', retract to 8' for travel. This Grove exclusive greatly extends the working radii of the 8' wide carrier. Stowable, 30 inch diameter, aluminum alloy outrigger pads combine lightweight ease of handling with wide base flotation.



A Super-Strength,
LONG High
Capacity,
REACH BOON

152' Tip height with jib 125' Main boom tip height with "SwingAway" boom extension

The Grove Trapezoidal Boom presents the optimum strength-to-weight ratio for hydraulic crane operation. It is the strongest, lightest, long-reach telescoping boom in the industry. These features are directly attributable to the trapezoidal design which permits a deeper, wider and lighter boom structure with greater resistance to lateral and vertical deflection than a boom of conventional design. The result is a high strength, extremely rigid boom with nearzero deflection . . . it gives you more lifting power where you use it most. Boom elevation from -6° to 76° by dual double-acting cylinders.





"SWINGAWAY" BOOM EXTENSION

The "SwingAway" boom extension stores laterally along-side the boom base section and swings easily into working position to provide 125' tip height. An additional 28' insert may be added to provide a maximum tip height of 152'. 60' jib section may be offset $7\frac{1}{2}$ °.

CARRIER SPECIFICATIONS





OUTRIGGERS — Hydraulic, double box 2 stage telescoping beam outriggers. Removable beams, vertical jack cylinders with integral holding valves and 30½ in. (77.5cm) diameter aluminum floats. Mechanical spin locks on each vertical jack to secure outriggers at any level. Beams extend to 20 ft. (6.10m) centerline to centerline, retract to 8 ft. (2.44m) overall width. Full controls located in superstructure cab. Sight leveling bubble located in superstructure cab. Powered by carrier engine.

FRAME — High strength steel, all welded construction with box type design and integral outrigger boxes.

STEERING GEAR — Ross cam and lever type with Garrison hydraulic power assist.

CLUTCH - Lipe Rollway 14 in. two plate dry disc.

Area: 428 sq. in.

TRANSMISSION — Fuller roadranger (RTO-613), 13 speeds foward and 3 reverse.

UNIVERSAL JOINTS - Needle bearing type.

AXLES — Front: (2) Rockwell, 79 in. track, 33,000 lbs. capacity. Rear: (2) Rockwell S.R.H.D., 72 in. track, 44,000 lbs. capacity with interaxle differential and dash mounted control.

SUSPENSION — Front: Reyco spring mounted tandem; 49 in. spacing. Rear: Hendrickson solid mounted tandem, 50% in. spacing.

FUEL TANK — Single 90 gallon mounted on left side of frame.

TIRES — Front: 12:00x20, 16 ply, Highway Tread. Rear: 11:00x20, 12 ply NDM&S Tread.

WHEELS - Front: Steel spoke 81/2 in.x 20 in. Rear: Steel Spoke 8 in.x 20 in.

BRAKES — Stopmaster wedge type with full air on all eight wheels, 12 CFM compressor.

Total lining area 1508 sq. in. Front: 15 in. x 5 in. Rear: 15 in. x 7 in.

PARKING BRAKE — Spring set emergency chambers on both rear axles with emergency release kit.

ELECTRICAL SYSTEM — 12 volt lighting, 12 volt starting. Federal safety standard lights and reflectors.

CAB — Low-profile, all steel, one man, laminated safety glass windshield and windows, windshield washer and electric wiper, door and window locks. Bostrom "T" bar seat, seat belt, dual west coast mirrors, domelight, dashlight, hot water heater, defroster fan, electric horn, traffic hazard warning switch (four-way flasher), full engine instruments and carrier controls. 234 lb. dry type fire extinguisher.

CAB INSTRUMENTATION — Electric tachometer, engine oil pressure gage, voltmeter, water temperature gage, speedometer, air pressure gage, electric fuel gage, high beam indicator, low air pressure audio-visual warning, low oil pressure warning light, hydraulic pump engaged warning light, rear axle lockout warning light, ignition-on indicator, parking brake visual indicator.

MISCELLANEOUS STANDARD EQUIPMENT — Wheel nut wrench and handle, channel front bumper, two front towing loops, front and rear fenders, automatic radiator shutters, ether injection starting aid (less bottle), hook block tie down and mud flaps.

SPEED AND GRADEABILITY

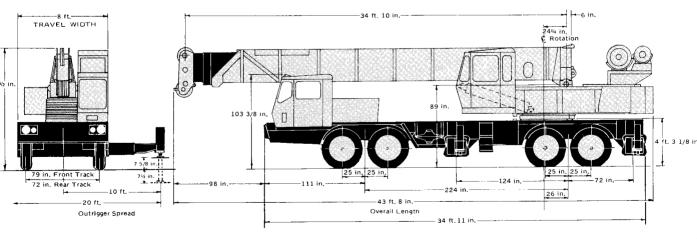
ROA	DRANGER TRANSMISS	ION (RTO 613)
ENGINE	SPEED RANGES	% of Gradeability (ii Max. Torque
GM6-71N	2.87 to 51.2 MPH	37.3 to .7%
Cummins NHF 240	3.13 to 56.04 MPH	36.79 to .64%

NOTE: Performance based on 72,000 lb. GVW and standard SAE engine rating conditions using standard tires, transmissions and axles. Performance data may vary plus or minus 10% due to variations in engine performance and vehicle weights.

ENGINE SPECIFICATIONS

MAKE & MODEL	GM6-71N	*Cummins NHF240
TYPE	6 Cylinder Diesel	6 Cylinder Diesel
BORE & STROKE	4.25 in. x 5 in.	5.5 in. x 6 in.
DISPLACEMENT	426 cu. in.	855 cu. in.
HORSEPOWER (NET)	213 @ 2100 RPM	205 @ 2300 RPM
GOVERNED RPM	2100 RPM	2300 RPM
TORQUE (NET)	582 lbs. ft. @ 1400 RPM	548 lbs. ft. @ 1500 RPM
ELECTRICAL SYSTEM	12 volt, negative ground	12 volt, negative ground
COMBUSTION SYSTEM	2 cycle, naturally aspirated	4 cycle, naturally aspirated
COOLING SYSTEM	Liquid	Liquid
FUEL CAPACITY	90 gallons	90 gallons
ALTERNATOR	62 amp, 12 volt	60 amp, 12 volt
BATTERY	(2) 204 A.H., 12 volt	(2) 204 A.H., 12 volt
AIR CLEANER	Dry type	Dry type
AIR COMPRESSOR	12 CFM	12 CFM
HOURMETER	Yes	Yes

DIMENSIONS



TURNING RADIUS — 39 ft. 4 in.
GROUND CLEARANCE — 14 in.
TAIL SWING 10' — Counterweight in travel position
TAIL SWING 12' — Counterweight in working position

Constant improvement and engineering progress make it necessary that we reserve the right to make specification, equipment, and price changes without notice.



SUPERSTRUCTURE SPECIFICATIONS

TRAPEZOIDAL BOOM

- BOOM 35 ft. 121 ft. (10.7m to 36.9m), 4 section, two full power telescoping trapezoidal sections to 89 ft. (27.1m) with integral check valves on each telescoping cylinder and a 32 ft. (9.75m) "Swingaway" lattice boom extension. Boom telescope sections are individually controlled. Each boom section is supported on graphite impregnated nylatron wear pads.
- **BOOM NOSE** four-sheaves mounted on heavy duty tapered roller bearings. Removable pin type rope guards allow easy reeving. Rope dead ends on each side of boom nose.
- **BOOM ELEVATION** Dual double-acting hydraulic cylinders with integral holding valves. Elevation from -6° to 76°. Combination control lever provided for hand or foot operation.
- *JIB 28 ft. (8.5m) jib section and 32 ft. (9.75m) "Swingaway" boom extension combine to make 60 ft. (18.3m) jib. Jib mast, guy mast, guy ropes and backstops included in jib make up. Jib sheave mounted on tapered roller bearings. 60 ft. jib may be offset 7½°.
- SWING Ball bearing swing circle, 360° continuous rotation. "Grove Planetary Glide Swing" with foot actuated disc swing brake, hand operated positive (Plunger type) turntable lock. Combination controls provided for hand or foot operation. Swing speed 2.6 RPM.
- CAB Full vision, all steel, fully enclosed, laminated safety glass windows throughout, removable windshield with storage provision, hinged tinted skylight, sliding left side door, rear vent window, adjustable full length control levers, combination hand and foot controls for swing and boom elevation. Fully adjustable operator's seat with head rest. Complete engine instrumentation and controls. Neutral safety start. Combination hand and foot throttle. All crane superstructure and outrigger controls, sight leveling bubble, boom angle indicator, propane heater, defroster fan, electric windshield wiper, swing horn, door and window locks, domelight, dashlight, 234 lb. dry type fire extinguisher.

- CAB INSTRUMENTATION Engine oil pressure gage, engine water temperature gage, voltmeter, electric tachometer, electric fuel gage, ignition-on indicator light.
- OUTRIGGER CONTROLS Independently controlled, in, out, up and down from superstructure cab. Sequence control arrangement eliminates accidental outrigger actuation.
- COUNTERWEIGHT 7,500 lb. turntable mounted, power installed and removed, hydraulically extended to working position and retracted to stowed or travel position.

HYDRAULIC SYSTEM:

RESERVOIR — 140 gallon (530 liter), steel welded construction with integral baffles and clean out access, and oil level dipstick.

- **FILTER** Return line type, full flow with bypass protection, replaceable cartridge.
- PUMPS Four section gear, driven from front of carrier engine manual pump disconnect operated from carrier cab. 146 GPM capacity.
- CONTROL VALVES Precision four way double-acting with integral load check, main and circuit relief valves. Four individual valve banks permitting simultaneous independent control of four crane functions. Maximum operating pressure 2500 PSI.
- OIL COOLER Full flow fin and tube type, oil to air.
- POWER DISTRIBUTION (swing) (main hoist, auxiliary hoist) (boom elevation, main hoist boost, mid telescope, accessory) (fly telescope, boom elevation boost).

*Denotes Optional Equipment

HOIST SPECIFICATIONS

integral automatic brake.		TAUVILLADY HOICT	AUXILIARY HOIST (FREE FALL
HOIST DATA	MAIN HOIST GROVE Model 32S-1716A	'AUXILIARY HOIST Grove Model 15S-16	Gearmatic Model 40SGECR
Drum Dimensions (cm)	16 in. diameter (41cm) 16 in. length (41cm) 24 in. flange dia. (61cm)	12 in. diameter (31cm) 16 in. length (41cm) 17.5 in. flange dia. (45cm)	9 in. diameter (23cm) 13 in. length (33cm) 17.5 in. flange dia. (45cm)
Performance: Max. Single Line Speed (mpm) Max. Single Line Pull (kgs)	Hi-Speed Range Lo-Speed Range 525 FPM (160 mpm) 265 FPM (80 mpm) 7560 lbs. (3429 kgs) 15.120 lbs. (6858 kgs)	255 FPM (77.6 mpm) 7980 lbs. (3620 kgs)	290 FPM (88.3 mpm) 9145 lbs. (4148.6 kgs)
Drum Rope Storage Capacity	**650 ft. of ¾ in. dia. rope (198.lm of 1.9cm)	720 ft. of ½ in. dia. rope (219.5m of 1.3cm) 480 ft. of ¾ in. dia. rope	675 ft. of 1 ₂ in. dia. rope (205.7m of 1.3cm)
Permissible Single Line Rope Pull (kgs)	² 4 in. 6x41 class - 13.145 lbs. (5962.5 kgs), ³ 4 in. 19x7 class - 13,145 lbs. (5962.5 kgs)	(146.3m of 1.6cm) 1/2 in. 6x37 class - 6.970 lbs. (3161.6 kgs) 1/2 in. 19x7 class - 6.150 lbs. (2789.6 kgs) 1/4 in. 6x41 class - 6.900 lbs. (3129.6 kgs)	12 in. 19x7 class - 6.150 lbs. (2789.6 kgs) 12 in. 6x37 class - 7.200 lbs. (3265.8 kgs)

^{*}Denotes Optional Equipment

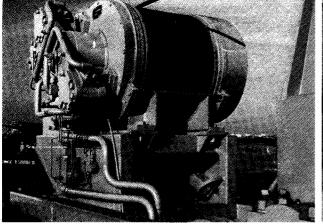
AXLE WEIGHT DISTRIBUTION CHART

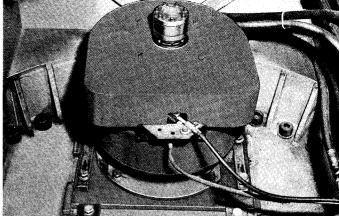
TEM	GROSS LBS.	FRONT LBS.	REAR LBS.
Basic machine including 4 section 35 ft. — 121 ft. (10.7m to 36.9m) boom, two trapezoidal telescoping full power sections and a 32 ft. (9.75m) "Swingaway" boom extension, 7500 lb. counterweight retracted, GM6-71N engine, Roadranger RTO-613 Transmission, Reyco front suspension, Grove Model 30A main hoist, 500 ft. of ¾ in. dia rope and front mounted pumps.	74,160	30,300	43.860
*Remove 7500 lb. counterweight	-7.500	+2,678	-10,178
Remove 32 ft. "swingaway" boom extension	-1,300	-1,200	-100
Add 45 ton, 4 sheave hook block (stowed position)	+700	+1,113	-413
Add auxiliary boom head	+190	+351	-161
**Model 40 SGECR Auxiliary hoist with 450 ft. of ½ in. dia. rope	+976	-356	+1,332
**Model 15S-16 Auxiliary hoist with 450 ft. of % in. dia. rope	+981	-359	+1,340
Substitute Cummins NHF-240	+310	+310	
Remove (2) front outrigger beams	-3,000	-1,661	-1,339
Remove (2) rear outrigger beams	-3,000	+964	-3,964
**Remove 6800 lb. counterweight	-6,800	+2,428	-9.228

^{*}Use 7500 lb. counterweight without auxiliary hoist

^{**6}th layer of rope not recommended for hoisting operations

[&]quot;Use 6800 lb. counterweight with auxiliary hoist





GROVE TWO-SPEED HOIST

This new Grove designed and manufactured hoist is the only hydraulic crane hoist providing both high-line-pull and high-line-speed without changes in lagging or gearing. Line speed ranges from 265fpm at low speed to 525fpm at high speed. Single-line-pull is 15,120 lbs. at low speed and 7,560 lbs. at high speed.

All internal parts run in oil and are protected from the weather. Motors and disc brake, while totally enclosed, are easily accessible for service.

GROVE "PLANETARY GLIDE SWING"

Smooth, precise continuous swing is assured with a large antifriction bearing swing circle and the new Grove "Planetary Glide Swing" gear box. Swing action is accurate and instantaneous to the touch of the combination hand/foot control lever. Glide swing with foot-actuated disc brake is standard.

GROVE EXTENDIBLE COUNTERWEIGHT!†

The extendible counterweight, a Grove innovation, is hydraulically extended to working position to provide improved capacities with a minimum of weight. Power installed and removed, it is also equipped with an automatic travel lock.

DESIGNED FOR SAFETY and EFFICIENCY

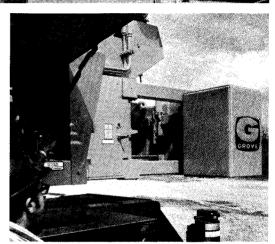
The interior of the all-steel cab is designed for operator convenience, efficiency and safety. Full length control levers are adjustable and combination hand and foot controls are provided for swing and boom elevation. Full engine controls and instruments. Other features include a sliding door, hinged skylight, laminated safety glass windows, and adjustable operator's seat with headrest.

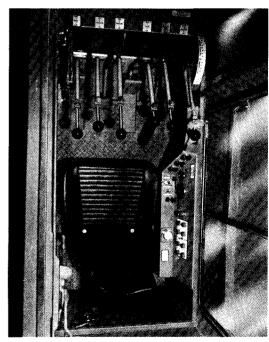
†The Trapezoidal Boom, Two Speed Hoist, Extendible Counterweight and Vertical Jack Lock are patented Grove features.



HYDRAULIC CRANES

GROVE MANUFACTURING COMPANY A Division of Walter Kidde & Company, Inc. Shady Grove, Pa. 17256





FULL HYDRAULIC

RATED LIFTING CAPACITIES 35 ft. - 121 ft. BOOM WITH FULLY EXTENDED OUTRIGGERS

ON OUTRIGGERS OVER SIDE

Radius in	7	Trapezoidal Boom Length in Feet			89 + 32 Ext.	
Feet	* 35	49	62	76	89	121
10	90,000					
12	80,000	56,000	1			
15	69,000	54,400	48,000			
20	53,000	49,800	44,300	35,000		
25	38,600	38,600	38,600	34,200	24,700	
30	25,900	25,900	25,900	25,900	23,700	17,500
35	· · · · · · · · · · · · · · · · · · ·	19,500	19,500	19,500	19,500	15,000
40		15,700	15,700	15,700	15,700	13,000
45		12,500	12,500	12,500	12,500	11,550
50			10,100	10,100	10,100	10,400
55	1		8,300	8,300	8,300	9,400
60			6,800	6,800	6,800	8,060
65				5,600	5,600	6,780
70]			4,600	4,600	5,700
75					3,750	4,800
80				1	3,000	4,050
85				Į.	2,400	3,425
90	1					2,850
95	†		1	1	1	2,350
100	l			J	1	1,900
105	1			1		1,500
110		 			T	1,150
115	Į			ŀ		850

	ER SIDE			
**3: Ca	2 ft. Ext. pacities			
8	400			
76	17,500			
74	15,000			
72°	13,000			
69°	11,550			
67°	10,400			
64°	9,400			
6 1°	8,600			
59°	7,900			
56°	7,300			
53°	6,800			
49°	6,300			
46°	5,900			
42°	5,600			
39°	5,300			
34°	5.000			
29°	4,700			
24°	4,500			
159	4.300			

_					
Radius	60 ft. JIB CAPACITIES				
in Feet	No O	ffset	7½° Offset		
10			/		
12	2000ce	e /	/ /		
15	/ .	e /	/	, 4 ng,	
20	۶ / ۱		/	§ /	
25	/ &	/	/	7	
30	/ 🐠		/ 3	۱ / ۶	
35] / 🔊	/	
40	76.0°	11,000	/ ~	/	
45	74.0°	9,700	V _	/]	
50	72.0°	8,500	74.50	6,000	
55	70.5°	7,450	72.5°	5,450	
60	68.0≎	6,550	70.0°	4,950	
65	66.5°	5,800	68.5°	4,675	
70	64.0○	5,300	66.0°	4,200	
75	62.00	4,800	64.0°	3,800	
80	59.50	4,050	61.5°	3,350	
85	57.50	3,425	59.5°	3,000	
90	55.00	2,850	57.5°	2,650	
95	52.50	2,350	55.0°	2,275	
100	49.50	1,900	52.0°	1,850	
105	47.0°	1,500	49.5°	1,500	
110	44.0°	1,150	46.5°	1,150	
115	40.50	850	43.5°	850	

ON OUTRIGGERS OVER REAR

Radius in	Trapezoidal Boom Length in Feet				89 + 32 Ext.	
Feet	* 35	49	62	76	89	121
10	90,000					
12	80,000	56,000			l	
15	69,000	54,400	48,000			
20	53,000	49,800	44,300	35,000		
25	40,500	40,500	39,200	34,200	24,700	
30	27,100	27,100	27,100	27,100	23,700	17,500
35		20,500	20,500	20,500	20,500	15,000
40	l	17,000	17,000	17,000	17,000	13,000
45		13,800	13,800	13,800	13,800	11,550
50			11,400	11,400	11,400	10,400
55	1		9,550	9,550	9,550	9,400
60			8,000	8,000	8,000	8,600
65				6,800	6,800	7,600
70	j	ŀ	1	5,750	5,750	6,500
75			I		4,850	5,600
80					4,000	4,800
85		1			3,400	4,150
90			L	<u> </u>		3,550
95	İ	l		ł		3,050
100	i	1	1			2,550
105]		L	l	<u> </u>	2,150
110			1			1,800
115	l		İ	L		1,450

**32 Car	ft. Ext. pacities
	# * * * * * * * * * * * * * * * * * * *
/00.	
76°	17,500
74°	15,000
72°	13,000
69°	11,550
67°	10,400
64°	9,400
61°	8,600
59°	7,900
56°	7,300
53°	6,800
49°	6,300
46°	5,900
42°	5,600
39°	5,300
34°	5.000
29°	***************************************
29°	4,700
	4,500
15°	4,300

Radius	60 ft, JIB CAPACITIES				
in Feet	No Of		71/2° O	ffset	
10	7		/		
12	600m 41916		/		
15	/ .	ž, /	/	n 4ngle	
20] / ~		/	ž /	
25	/ 8		/	₹ /	
30	/ 6		/ :	£ /	
35	V		/ 🔊		
40	76.0°	11,000	/ *		
45	74.0°	9,700	Z	/	
50	72.0°	8,500	74.5°	6,000	
55	70.5°	7,450	72.5°	5,450	
60	68.0°	6,550	70.0°	4,950	
65	66.5°	5,500	68.5°	4,675	
70	64.00	5,300	66.0°	4,200	
75	62.00	4,820	64.0°	3,800	
80	59.50	4,400	61.5°	3,350	
85	57.50	4,050	59.5°	3,000	
90	55.0℃	3,550	57.5°	2,650	
95	52.5 °	3,050	55.0°	2,275	
100	49.5∘	2,550	52.0°	1,850	
105	47.00	2,150	49.5°	1,500	
110	44.00	1,800	46.5°	1,150	
115	40.50	1,450	43.5°	840	

TRAPEZOIDAL BOOM and 32 FT. EXTENSION NOTES

Capacities appearing in shaded area are based upon structural strength and tipping should not be relied upon as a capacity limitation. Capacities are in pounds and do not exceed 85% of tipping loads with counterweight fully extended.

*Capacities in shaded area for 35 ft. boom length shall be lifted with boom fully retracted. If boom is not fully retracted, capacities all not exceed those shown for 49 ft. boom length.

**These capacities are based on structural strength of 32 ft. ext. at listed boom angle regardless of boom length. When lifting with 32 ft. ext. and LESS THAN a fully extended trapezoidal boom, the loads lifted MUST NOT EXCEED the 32 ft. ext. structural capacity at the listed boom angle OR the largest stability capacity listed for the actual working radius, whichever is less.

60 FT. JIB NOTES

Capacities appearing in shaded area are based on structural strength of

Capacities appearing in shaded area are based on structural strength of the jib.

Capacities below the shaded area are based on stability and do not exceed 85% of tipping loads with counterweight fully extended.

Rated load is based on main boom angle regardless of main boom length. Radius in Feet column applies to jib capacities only with main boom fully extended.

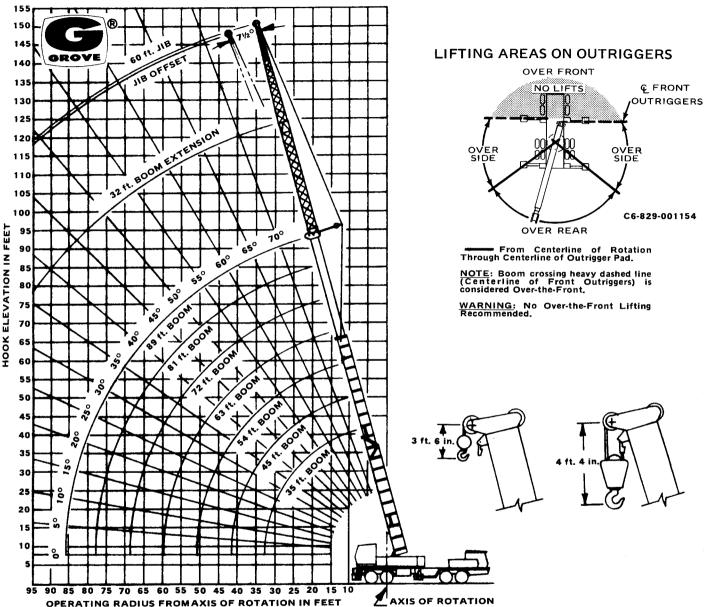
Maximum length of main boom for purposes of erecting 60 ft. jib is 62

ft. WARNING: Operation of the machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with 60 ft. jib occurs rapidly and without advance notice. For main boom length greater than 62 ft. with 60 ft. jib in working position, the main boom angle must not be below 37° since loss of stability will occur causing a tipping condition.



TMS375LP





NOTES TO LIFTING CAPACITIES

C6-829-001329

- Rated lifting capacities are based on freely suspended loads. They are the maximum covered by the manufacturer's warranty with the machine leveled and standing on a firm supporting surface. Ratings with outriggers are based on outriggers being extended to their maximum positions.
 Practical working loads for each particular job shall be established by the user depending on operating conditions; including the supporting surface, wind and other factors affecting stability, hazardous surroundings, experience of personnel, handling of load, etc.
 Operating radius is the horizontal distance from the axis of rotation to the centraline of the hoist line or rackle with loads applied.
- Operating radius is the horizontal distance from the axis of rotation to the centerline of the hoist line or tackle with loads applied.

 "On Rubber" lifting (if permitted) depends on proper tire inflation, capacity, and condition. "On Rubber" loads may be transported at a maximum vehicle speed of 2.5 mi/hr. (4 km/hr.), if specified as 2.5 MPH loads, on a smooth and level surface only. Jibs may be used for lifting crane service only. Jib capacities are based on structural strength of jib or main boom and on main boom angle regardless of home length.
- of boom length
- 6. Operation is not intended or approved for any conditions outside of those shown hereon. Handling of personnel from the boom is not authorized except with equipment furnished and installed by Grove Manufacturing

- Company.

 For clamshell or concrete bucket operation, weight of bucket and must not exceed 90% of rated lifting capacities.

 Power-telescoping boom sections must be extended equally at all times the section of the se Long cantilever booms can create a tipping condition when in exte
- and lowered position.

 The maximum load which may be telescoped is limited by hydr
- Ine maximum load which may be telescoped is limited by hydropressure, boom angle, boom lubrication, etc. It is safe to attempt relescope any load within the limits of rated lifting capacity chart.
 With certain boom and hoist tackle combinations, maximum capaciman not be obtainable with standard rope lengths.
 With certain boom and load combinations, raising of load with boom cylinders may not be possible. Operational safety is not affected by
- condition.
- 12. Keep load handling devices a minimum of 12 inches (30 CM) below b head when lowering or extending boom.

 13. For multiple part reeving, use one part of line for each11,250lbs. of late. I load handling devices and/or boom attachments are considered pathe load and suitable allowances must be made.