

GROVE[®]

FULL-HYDRAULIC CARRIER-MOUNTED CRANE

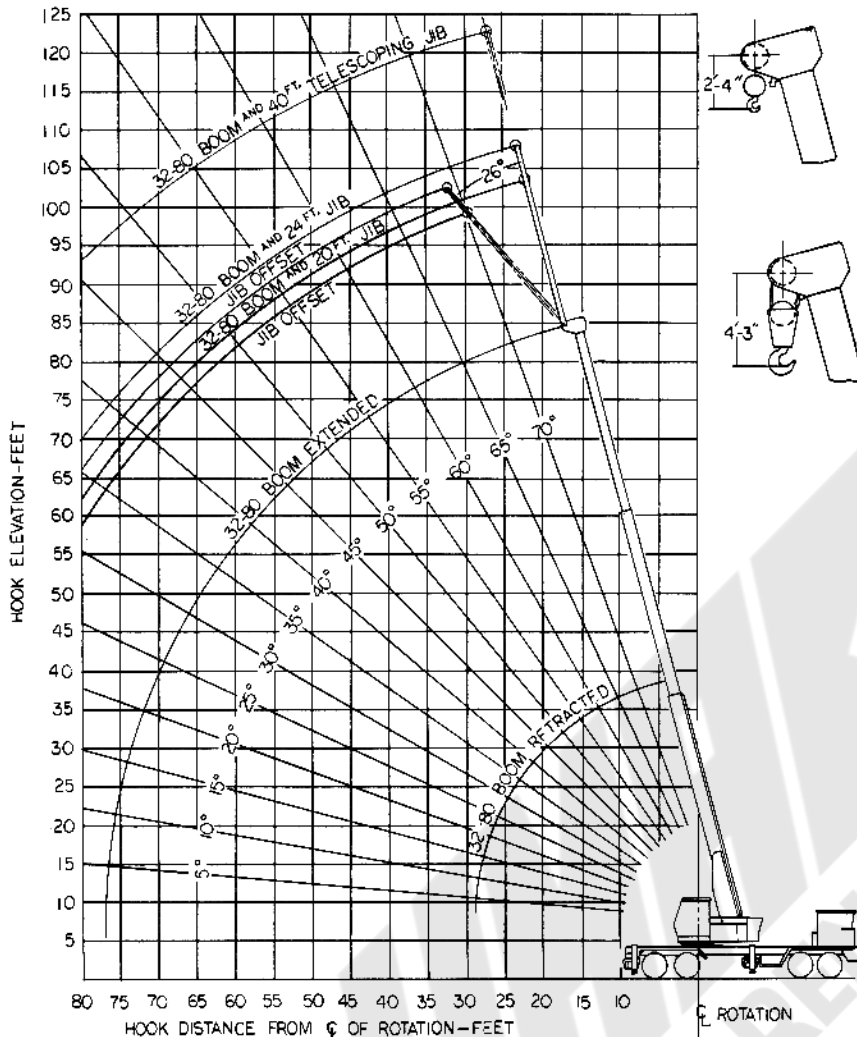
MODEL
TM870
8 X 4 CARRIER

SPECIFICATIONS

- ★ 60,000 Lbs. Capacity
at 10 ft. Radius
- ★ 32-80 ft. 3-section Full-
Power Telescoping Boom
- ★ 29-92 ft. 4-section Tele-
scoping Boom Available
- ★ TWIN Boom Elevation
Cylinders (0° to 75°)
- ★ 360° Continuous Rotation
with Glide Swing & Brake
- ★ Removable Outriggers and
Counterweight



HOOK ELEVATION CHART WITH 32' - 80' BOOM



CAPACITIES FOR 24' - 40' TELESCOPING JIB WITH 32' - 80' BOOM (FULLY EXTENDED)

Min. Boom Angle	24' No Offset	24' 26° Offset	40' No Offset
75°	6000	2700	3200
70	4750	2550	2700
65	4000	2375	2050
60	3500	2300	1750
55	3150	2200	1400
50	2900	2170	1000
45	2650	2125	
40	2550	2085	
35	2475	2040	
30	2400	2000	
26	2300	1950	

NOTE: 24' Jib Capacities are applicable to both the 24' fixed length and the 24' - 40' Telescoping Jib when the 16' pinned section of the telescoping jib is in the retracted position. All jib capacities are based on structural strength of the jib. Actual loads lifted must not exceed capacities given in main boom capacity chart for the same working radius.

CAPACITIES FOR 20' JIB WITH 32' - 80' BOOM (FULLY EXTENDED)

Min. Boom Angle	No Offset	Max. 26° Offset
75°	8750	6500
73	8000	6000
71	6500	4875
70	6000	4500
68	5500	4125
67	5000	3750
66	4750	3560
65	4500	3375
63	4000	3000
50	2200	1650
40	1500	1250
30	1100	825

RATED LIFTING CAPACITIES, 32' - 80' FULL POWER BOOM OVER SIDE AND REAR ON OUTRIGGERS

RADIUS IN FEET	BOOM LENGTH IN FEET								
	32	38	44	50	56	62	68	74	80
10	60,000	56,000	53,000	49,000	45,000				
12	50,000	47,000	44,000	41,000	38,000				
15	42,000	40,500	39,000	36,000	33,000	27,000	25,000		
20	34,000	32,500	31,000	29,500	28,000	25,500	23,000	21,000	20,000
25	25,000	25,000	25,000	25,000	24,000	23,000	21,500	20,750	18,000
30		18,000	18,000	18,000	17,750	17,750	17,500	17,000	17,000
35			14,000	14,000	14,000	14,000	14,000	14,000	14,000
40			11,000	11,000	11,000	11,000	11,000	11,000	11,000
50					7,000	7,000	7,000	7,000	7,000
60							4,900	4,900	4,900
70								3,300	3,300
75									2,800

NOTES FOR RATED LIFTING CAPACITIES

- Rated lifting capacities, with or without outrigger are the maximum loads covered by the manufacturer warranty with the machine standing on a firm, level and uniform supporting surface. Capacities do not exceed 85% of tipping loads. Practical working loads for the particular job shall be established by the user with due allowance for operating conditions. These conditions include the supporting ground and other factors affecting stability, wind, hazardous surroundings, experience of personnel, etc.
- For certain conditions, capacities are controlled by machinery strength. In these cases, machine tipping must not be relied upon as the capacity limitation.
- For clamshell and concrete bucket operation, weight of bucket and load should not exceed 90% of published lifting capacity.
- The weights of all load handling devices, (hook, block, ball, jib masts, rooster sheave, etc.) are considered part of the load lifted, and suitable allowances for the same should be made.

Capacities appearing above the bold line are based upon structural strength when lifting over the side. All capacities over the rear are based on structural strength, and machine stability should not be relied upon as the capacity limitation.

HOOK ELEVATION CHART WITH 29' - 92' BOOM

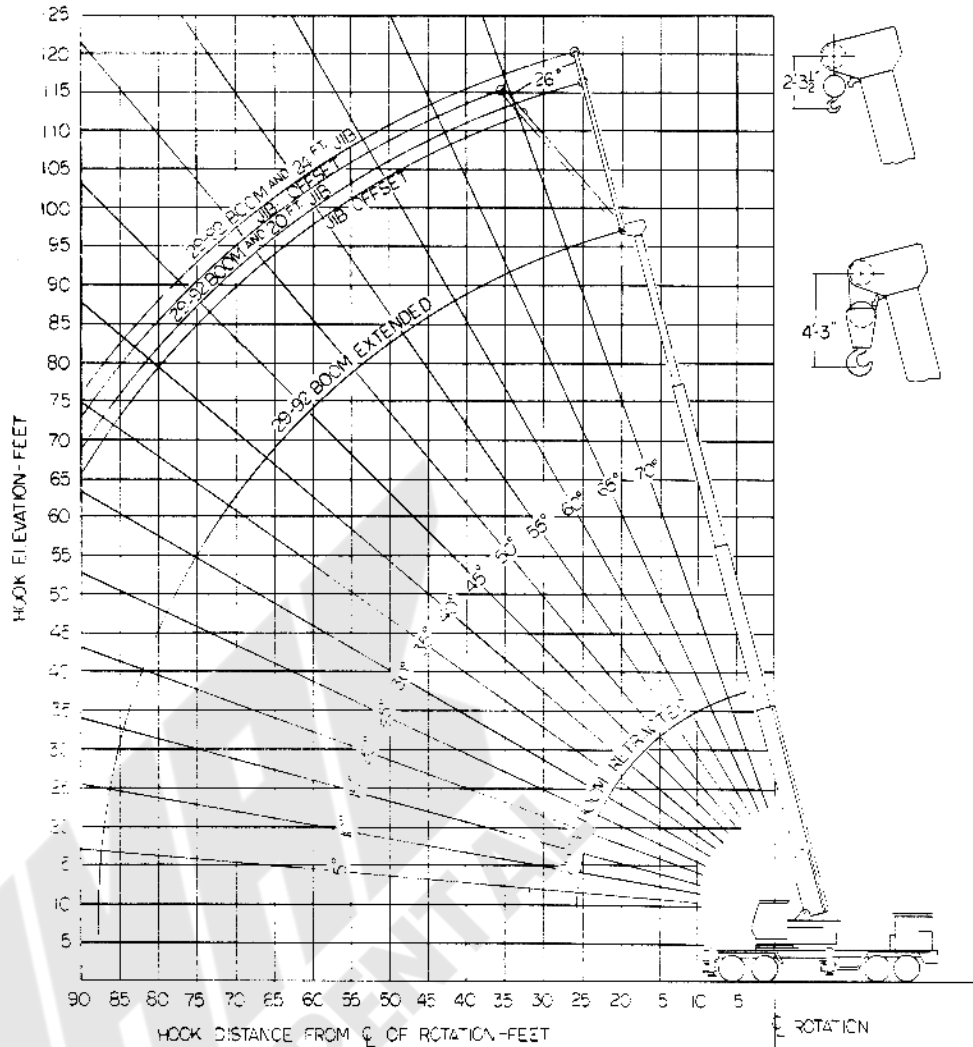
CAPACITIES FOR 24' JIB WITH 29' - 92' BOOM (FULLY EXTENDED)

Min. Boom Angle	No Offset	26° Offset
75°	4000	1800
70	3750	1700
65	3500	1550
60	3250	1475
55	3000	1350
50	2750	1250
45	2500	1150
40	2250	1000
35	2000	900
30	1750	800
26	1500	675

NOTE: All jib capacities are based on structural strength of the jib or main boom. Actual loads must not exceed capacities given in main boom capacity chart for the same working radius less the allowance for jib weight.

CAPACITIES FOR 20' JIB WITH 29' - 92' BOOM (FULLY EXTENDED)

Min. Boom Angle	No Offset	26° Offset
75°	4400	2150
70	4150	2000
65	3875	1825
60	3600	1725
55	3350	1575
50	3075	1475
45	2800	1350
40	2525	1175
35	2250	1075
30	1975	950
25	1700	800



RATED LIFTING CAPACITIES, 29' - 92' FOUR SECTION BOOM OVER SIDE AND REAR ON OUTRIGGERS

NOTES FOR RATED LIFTING CAPACITIES (continued)

- Boom jib extensions may be used as straight, gooseneck extensions, and for lifting crane service only.
- With jib installed, lifting capacities over main boom must be reduced as follows: 20' jib, 1400 lbs. reduction; 24' jib, 1700 lbs. reduction; 24' - 40' jib, 2400 lbs. reduction.
- Long cantilever booms can create a tipping condition when in extended and lowered positions. Boom should be retracted proportionate to the capacity of the load chart.
- Each power-telescoping boom section should be extended equally at all times. Do not operate one fully extended and another fully retracted.
- Jibs are to be used only with single part line. Multi-part rigging is not permissible.
- The maximum load which may be telescoped is limited by hydraulic pressure, boom angle, and boom lubrication. It is safe to attempt to telescope any load within the limits of the load chart.

RADIUS IN FEET	MANUAL FLY SECTION RETRACTED								Manual Fly Extended *92
	BOOM LENGTH IN FEET								
	32	38	44	50	56	62	68	71	
10	60,000	56,000	53,000	49,000	45,000				
12	50,000	47,000	44,000	41,000	38,000				
15	42,000	40,500	39,000	36,000	33,000	27,000	25,000		
20	34,000	32,500	31,000	29,500	28,000	25,500	22,000	20,000	12,000
25	23,000	22,300	21,700	21,100	20,000	19,000	18,000	17,000	11,500
30		16,300	16,300	16,300	16,150	16,000	15,500	15,000	11,000
40			11,000	11,000	10,500	10,000	10,000	10,000	9,300
50					6,700	6,600	6,500	6,500	6,500
60							4,100	4,100	4,100
70									3,300
80									2,300
88									1,500

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Capacities appearing above the bold line are based upon structural strength when lifting over the side. All capacities over the rear are based on structural strength, and machine stability should not be relied upon as the capacity limitation.

*ALSO INDICATES MAXIMUM CAPACITY OF EXTENDED FLY SECTION, REGARDLESS OF BOOM LENGTH.

30 TON CAPACITY
FULL HYDRAULIC, CARRIER MOUNTED

BOOM - Three Section Full Power Telescope.

* Four Section Power Telescope with manually actuated power-extended fourth section.

Integral Safety Holding valves on each Telescoping Cylinder.

BOOM HEAD - Four Sheave.

Boom Retracted	Boom Extended	Number of Boom Sections	Total Length of Telescope	Hook Height @ 75°	
				Retracted	Extended
32'	80'	3	48'	36'	82'
*29'	92'	4	63'	34'	94'

*JIB EXTENSIONS - 20' "Stowaway" Jib with self-equalizing suspension, maximum offset 26°.

24' "Stowaway" type with self-equalizing suspension, maximum offset 26°.

24' - 40' Manual Telescoping Jib for 32' - 80' boom only.

BOOM ELEVATION - Twin double-acting hydraulic cylinders with integral safety holding valves. 0° to 75° boom elevation. Full power up and down. Combination control lever provided for hand or foot operation.

HOIST - (Main) Boom mounted; Model 5090 SECR, full hydraulic power up and down, planetary gear reduction with integral automatic brake.

DRUM - 14.5" diameter, 16" long, 22.3" diameter flange.

CABLE CAPACITY - 570' of 5/8".

SINGLE LINE PULL - 12,000 lbs. maximum

Permissible Single Line Pull - 8,000 lbs.

SINGLE LINE SPEED - 260 FPM maximum.

*HOIST (Main) Model 5090 HECR

DRUM - 14.5" diameter, 16" long, 22.3" diameter flange

CABLE CAPACITY - 570' of 5/8".

SINGLE LINE PULL - 7000 lbs. maximum

Permissible Single Line Pull - 7,000 lbs.

SINGLE LINE SPEED - 550 FPM maximum.

*HOIST - (Auxiliary) Boom mounted; (less cable) Model 40 SECR full hydraulic power up and down. Planetary gear reduction with automatic brake.

DRUM - 9" diameter, 8" long, 17 1/2" diameter flange.

CABLE - 400' of 1/2" cable.

SINGLE LINE PULL - 8,100 lbs. maximum.

SINGLE LINE SPEED - 200 FPM maximum

*HOIST - (Auxiliary) Model 40 SCR. High speed power down; line speed down - 1,000 FPM maximum.

CABLE SPECIFICATIONS - 5/8" diameter; 18 x 7 no-spin; improved plow steel; fiber center; 450' furnished with main hoist.

ENGINE SPECIFICATIONS

	GAS	*GAS	*DIESEL	*DIESEL
MAKE	Ford 361	Ford 391	GM 4-53N	Cummins V-352-C130 (HT)
TYPE	8 Cylinder O.H.V.	V-8 O.H.V.	4 Cylinder O.H.V.	V-6
BORE & STROKE	4.05" x 3.50"	4.05" x 3.79"	3.875" x 4.50"	4.625" x 3.50"
MAXIMUM BHP	168 @ 2800 RPM	193 @ 2000 RPM	140 @ 2800 RPM	135 @ 3000 RPM
MAXIMUM TORQUE	330 lbs. ft. @ 2000 RPM	372 lbs. ft. @ 2000 RPM	295 lbs. ft. @ 1500 RPM	264 lbs. ft. @ 1800 RPM
GOVERNED RPM	2800 RPM	2800 RPM	2800 RPM	3000 RPM
ELECTRICAL SYSTEM	12 Volt	12 Volt	12 Volt HD Battery	12 Volt

GLIDE SWING - 360° continuous rotation, ball bearing swing circle. "Glide Swing", foot actuated Swing Brake and hand operated House Brake. External pinion; bull gear integral with the swing circle bearing. Swing speed 2.5 RPM. Combination control lever provided for hand or foot operation.

HYDRAULIC SYSTEM -

PUMP - Three-section gear type driven from superstructure engine. 106 GPM capacity @ 2,400 RPM.

HYDRAULIC POWER DISTRIBUTION - (Main hoist - auxiliary hoist) (lift boost - fly telescope - outriggers - swing) (hoist boost - lift accessory - mid-telescope).

CONTROL VALVES - Four-way double-acting type with integral load check, main and circuit relief valves, three banks permitting multiple control of crane functions.

RESERVOIR - 133 gallon, all steel welded construction with integral baffles and top clean-out hole.

FILTER - Return line type; full flow with by-pass protection; replaceable cartridge.

OIL COOLER - Oil to air.

CAB - All steel, fully enclosed, removable front and rear laminated safety glass windows with hinged skylight for additional ventilation; full length control levers with combination hand and foot control for swing and boom elevation; fully adjustable operator's seat, full engine instruments, heater, windshield wiper.

COUNTERWEIGHT - Turntable mounted; Removable 2000 lb. Standard on 8 x 4 30GF and 8 x 4 30GH
3500 lb. Standard on 8 x 4 30GC (2000 lb. optional)

OUTRIGGER CONTROL - Remote operation from superstructure cab, each outrigger independently controlled; in-out-up-down.

FUEL CAPACITY - 52 Gallons

CARRIER SPECIFICATIONS MODEL 8x4 30GF

TM275

WHEELBASE - 224"

FRAME - High strength alloy steel, reinforced top and bottom. Total depth 18.5". All welded construction.

OUTRIGGERS - Removable, hydraulic double-box type with totally enclosed box type vertical jacks, steel floats. Beams extend to 16' centerline to centerline, retract to 8' overall width. Full hydraulic in-out-up-down. Outrigger controls from crane operator's position on superstructure. Integral safety check valves and mechanical pin locks for vertical jack cylinders.

STEERING GEAR - Ross TE-71 cam and lever, roller mounted with hydraulic power.

ENGINE - International Harvester RD-501 (Gasoline), 6-Cylinder, Bore and stroke - 4½ x 5¼". Displacement - 501 cu. in. Horsepower - 214.8 @ 3000 RPM. Torque - 451 lbs. ft. @ 1600 RPM. Governed at 2600 RPM (Full load).

*ENGINE - General Motors diesel Model 6-71N.

*Cummins Diesel NH230
Automatic Radiator Shutters

FUEL CAPACITY - 60 gallons

RADIATOR - Fin and Tube type

CLUTCH - 14" Ferramic, single plate, dry disc type. Lining area - 218 sq. in.

TRANSMISSION - Main: Fuller 5CW65, 5 speed forward, 1 reverse. Auxiliary: Fuller 3H92, 3 speed.

UNIVERSAL JOINTS - Needle bearing type.

AXLES - Front: Two FWD tubular - 24,000 lbs. capacity. Rear: Two Timken SRHD hypoid single reduction with inter-axle differential. Ratio-6.167:1 - 44,000 lbs. capacity.

SUSPENSION - Front - Spring loaded with tandem axle walking beams.

Rear - Tandem axle walking beams, rubber end bushings and steel saddles.

PERFORMANCE DATA - Using standard tires, transmission, axles, and standard gasoline engine governed at 2600 RPM.

*For performance data on optional engines, consult factory.

Gear	HIGH RANGE		INTERMEDIATE		LOW RANGE	
	Speed (MPH)	% Gradeability	Speed (MPH)	% Gradeability	Speed (MPH)	% Gradeability
5th	51.8	.5	39.0	1.2	19.6	3.8
4th	37.6	1.3	28.2	2.2	14.2	5.8
3rd	23.5	3.7	17.7	5.5	8.9	12.4
2nd	12.0	7.4	9.0	10.3	4.5	22.0
1st	6.4	14.7	4.8	20.0	2.4	41.3
Rev.	6.4	14.7	4.8	20.2	2.4	41.5

BRAKES - Service - Full air on six wheels with 12CFM piston compressor.

Size - Front, 16" x 4"; one axle only. Rear, 16½" x 7".

Total lining area - 1156 sq. in.

Parking - maxi spring chambers on one rear axle with cab control valve and release kit.

WHEELS - 20", 10 hole steel disc with 7.5" rim.

TIRES - Front: Four 11.00 x 20 - 12 ply highway tread. Rear: Eight 11.00 x 20 - 12 ply non directional mud and snow.

CAB - All steel, one-man-beside-the-engine style. Safety glass windshield and windows, ventilators, two rear view mirrors, bostrom seat, full engine instruments, speedometer, low air pressure warning and air gauge, heater and defroster.

ELECTRICAL SYSTEM - 12 volt lighting and starting, 1 - 12V, 90 AH battery, 37 amp alternator, instrument panel light, windshield wiper, horn and traffic hazard warning switch.

Federal safety standard lights and reflectors.

MISCELLANEOUS EQUIPMENT - Wheel nut wrench, channel type front bumper, two front towing loops, rear fenders.

*DENOTES OPTIONAL EQUIPMENT

CONSTANT IMPROVEMENT AND ENGINEERING PROGRESS MAKES IT NECESSARY THAT WE RESERVE THE RIGHT TO MAKE SPECIFICATION, EQUIPMENT AND PRICE CHANGES WITHOUT NOTICE.

WHEELBASE - 224"

FRAME - Lightweight, fabricated box type, total depth 18". All welded construction.

OUTRIGGERS - Removable, hydraulic double-box type with totally enclosed box type vertical jacks, steel floats. Beams extend to 16' centerline to centerline, retract to 8' overall width. Full hydraulic in-out-up-down. Outrigger controls from crane operator's position on superstructure. Integral safety check valves and mechanical pin locks for vertical jack cylinders.

STEERING GEAR - Ross TE-71 cam and lever, roller-mounted with hydraulic power.

ENGINE - International Harvester RD-501 (Gasoline), 6-Cylinder, Bore and Stroke - 4½" x 5¼". Displacement - 501 cu. in. Horsepower - 214.8 @ 3000 RPM. Torque - 451 lbs. ft. @ 1600 RPM. Governed at 2600 RPM (Full load).

***ENGINE** - General Motors diesel Model 6-71M Cummins Diesel NH230 Automatic Radiator Shutters.

FUEL CAPACITY - 60 gallons

RADIATOR - Fin and Tube type.

CLUTCH - 14' Rockford, heavy duty. Lining area - 218 sq. in.

TRANSMISSION - Main: Fuller 5CW65 5 speed forward, 1 reverse. Auxillary: Fuller 3K65 3 speed

UNIVERSAL JOINTS - Needle Bearing type.

AXLES - Front: Two Rockwell FE900 - 24,000 lbs capacity. Rear: Two Eaton 38 DPA hypoid single reduction with interaxle differential - 44,000 lbs capacity.

SUSPENSION - Front: Reyco, spring mounted. Rear: Tandem Axle, equalizer beams, 2 torque rods

PERFORMANCE DATA - Using standard tires, transmission, axles, and standard gasoline engine governed at 2600 RPM.

*For performance data on optional engines, consult factory.

Gear	HIGH RANGE		INTERMEDIATE		LOW RANGE	
	Speed (MPH)	% Gradeability	Speed (MPH)	% Gradeability	Speed (MPH)	% Gradeability
5th	56.4	(-.6)	44.1	.3	20.2	3.1
4th	33.4	1:2	26.1	2.0	11.9	5.9
3rd	21.6	2.8	16.8	3.9	7.7	9.8
2nd	12.7	5.5	9.9	7.4	4.6	17.1
1st	7.0	10.9	5.4	14.2	2.5	31.8
Rev.	7.0	10.9	5.4	14.2	2.5	31.8

BRAKES - Service - Full air on six wheels with 12 CFM piston compressor.

Size: Front 16¼" x 3½"; one axle only. Rear, 16½" x 7".

Total lining area - 1156 sq. in.

Parking - Maxi spring chambers on one rear axle with cab control valve and release kit.

WHEELS - 20" cast spoke with 7.5" rim.

TIRES - Front: Four 11.00 x 20 - 12 ply highway tread. Rear: Eight 11.00 x 20 - 12 ply non directional mud and snow.

*DENOTES OPTIONAL EQUIPMENT

CAB - All steel, one-man-beside-the-engine style. Safety glass windshield and windows, ventilators two rear view mirrors, bostrom seat, full engine instruments, speedometer, low air pressure warning and air gauge, heater, defroster and windshield washer.

ELECTRICAL SYSTEM - 12 volt lighting and starting, 1 - 12V, 90 AH battery, 37 amp alternator, instrument panel light, windshield wiper, horn and traffic hazard warning switch. Federal safety standard lights and reflectors.

MISCELLANEOUS EQUIPMENT - Wheel nut wrench, channel type front bumper, two front towing loop rear fenders.

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CARRIER SPECIFICATIONS MODEL 8x4 30GH

TM275

WHEELBASE - 224" Overall Width 96"
Turning Radius - 54' Clearance Radius 56'

FRAME - High strength alloy steel, reinforced top and bottom. Total depth 18". All welded construction.

OUTRIGGERS - Removable, hydraulic double-box type with totally enclosed box type vertical jacks, steel floats. Beams extend to 16' centerline to centerline, retract to 8' overall width. Full hydraulic in-out-up-down. Outrigger controls from crane operator's position on superstructure. Integral safety check valves and mechanical pin locks for vertical jack cylinders.

STEERING GEAR - Ross TE72725 cam and lever, roller mounted with hydraulic power.

ENGINE - International Harvester RD-501 (Gasoline), 6-Cylinder, Bore and Stroke - 4½" x 5½". Displacement - 501 cu. in. Horsepower - 214.8 @ 3000 RPM. Torque - 451 lbs. ft. @ 1600 RPM. Governed at 2600 RPM (Full load).

***ENGINE** - Gen. Motors diesel Model 6174N-65 Ind.
*Cummins Diesel NH230
Automatic Radiator Shutters.

FUEL CAPACITY - 50 Gallons

RADIATOR - Fin and Tube type.

CLUTCH - 14" Organic, single plate, dry disc type. Lining area - 214 sq. in.

TRANSMISSION - Main: Fuller 5CW-65, 5 speed forward, 1 reverse. Auxiliary: Fuller 3A65 3 speed.

UNIVERSAL JOINTS - Needle bearing type.

AXLES - Front: Two Timken FE900 - Capacity 22,000 lbs. Rear: Two Timken SRHD Capacity 44,000 lbs. Ratio 7.80:1 hypoid single reduction with inter-axle differential.

SUSPENSIONS - Front: HMC RT-280 Spring Suspension. Rear: HMC R-440 Solid Mount Suspension.

PERFORMANCE DATA - Using standard tires, transmission, axles, and standard gasoline engine governed at 2600 RPM.

*For performance data on optional engines, consult factory.

Gear	HIGH RANGE		INTERMEDIATE		LOW RANGE	
	Speed (MPH)	% Gradeability	Speed (MPH)	% Gradeability	Speed (MPH)	% Gradeability
5th	51.8	.5	39.0	1.2	19.6	3.8
4th	37.6	1.3	28.2	2.2	14.2	5.8
3rd	23.5	3.7	17.7	5.5	8.9	12.4
2nd	12.0	7.4	9.0	10.3	4.5	22.0
1st	6.4	14.7	4.8	20.0	2.4	41.3
Rev.	6.4	14.7	4.8	20.2	2.4	41.5

BRAKES - Service - Full air on six wheels with 12CFM piston compressor.

Size - Front 16¼" x 3½"; one axle only. Rear 16½" x 7".

Total lining area - 1106 sq. in.

Parking - Maxi spring chambers on one rear axle with cab control valve and release kit.

WHEELS - 20" cast spoke with 7.5" rim.

TIRES - Front: Four 11.00 x 20 - 12 ply highway tread. Rear: Eight 11.00 x 20 - 12 ply non directional mud and snow.

CAB - All steel, one-man-beside-the-engine style. Safety glass windshield and windows, ventilators, two rear view mirrors, bostrom seat, full engine instruments, speedometer, low air pressure warning and air gauge, heater and defroster.

ELECTRICAL SYSTEM - 12 volt lighting and starting, 1 - 12V, 160 AH battery, 42 amp alternator, instrument panel light, windshield wiper, horn and traffic hazard warning switch. Federal safety standard lights and reflectors.

MISCELLANEOUS EQUIPMENT - Wheel nut wrench, channel type front bumper, two front towing loops, rear fenders.

*DENOTES OPTIONAL EQUIPMENT

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TM275

AXLE WEIGHT DISTRIBUTION CHART

	8 X 4 30GF			*8 X 4 30GC			**** 8 X 4 30GC		
	GVW	Front	Rear	GVW	Front	Rear	GVW	Front	Rear
Basic Machine	59,228	17,495	41,733	58,048	17,150	40,898	59,548	16,725	42,823
Remove Rear Outriggers	-3,500	+ 970	-4,470	-3,500	+ 970	-4,470	-3,500	+ 970	-4,470
Remove Front Outriggers	-3,500	-1,938	-1,562	-3,500	-1,938	-1,562	-3,500	-1,938	-1,562
Remove Counterweight	-2,000	+ 580	-2,580	-2,000	+ 580	-2,580	-3,500	+1,000	-4,500
Substitute 29'-92' Boom	+ 800	+ 515	+ 285	+ 800	+ 515	+ 285	+ 800	+ 515	+ 285
Add Mod. 40 Auxiliary Winch	+ 550	- 120	+ 670	+ 550	- 120	+ 670	+ 550	- 120	+ 670
Add 20' Jib	+ 570	+ 790	- 220	+ 570	+ 790	- 220	+ 570	+ 790	- 220
Add 24' Jib	+ 795	+1,035	- 240	+ 795	+1,035	- 240	+ 795	+1,035	- 240
Add 24' - 40' Telescoping Jib	+1,300	+1,550	- 250	+1,300	+1,550	- 250	+1,300	+1,550	- 250
Add Auxiliary Boom Head	+ 169	+ 283	- 114	+ 169	+ 283	- 114	+ 169	+ 283	- 114
Add 30 Ton Hook Block	+ 720	+1,035	- 315	+ 720	+1,035	- 315	+ 720	+1,035	- 315
Add 18 Ton Hook Block	+ 370	+ 515	- 145	+ 370	+ 515	- 145	+ 370	+ 515	- 145
Add 6 Ton Hook Block	+ 150	+ 208	- 58	+ 150	+ 208	- 58	+ 150	+ 208	- 58
Add 3 Ton Ball and Hook	+ 140	+ 195	- 55	+ 140	+ 195	- 55	+ 140	+ 195	- 55
Add 3 Ton Ball and Hook (Aux. Hoist)	+ 100	+ 139	- 39	+ 100	+ 139	- 39	+ 100	+ 139	- 39
Add Clamshell Attachment	+ 750	+ 600	+ 150	+ 750	+ 600	+ 150	+ 750	+ 600	+ 150
*Add ½ Cubic Yard Bucket	+1,900	+3,050	-1,150	+1,900	+3,050	-1,150	+1,900	+3,050	-1,150
*Add ¾ Cubic Yard Bucket	+2,100	+3,390	-1,290	+2,100	+3,390	-1,290	+2,100	+3,390	-1,290
Substitute GM4-53N (Superstructure)	+ 800	- 20	+ 820	+ 800	- 20	+ 820	+ 800	- 20	+ 820
Substitute Cummins V-352-C-130 (HT) (Superstructure)	+ 505	- 15	+ 520	+ 505	- 15	+ 520	+ 505	- 15	+ 520
Substitute GM6-71N (Carrier)	+1,135	+1,320	- 185	+1,135	+1,320	- 185	+1,135	+1,320	- 185

*Weight Distribution calculated with bucket hanging from end of fully retracted boom.

**Basic Machine - 8 x 4 FWD 224" wheelbase - 32'-80' Boom - Model 5090 SECR Hoist - 450' of 5/8" Cable (less Hook Blocks) Auxiliary Hoist Control (less Hoist) - Cab and Heater - Ford V8-361 Engine - 2000# Counterweight

***Basic Machine - 8 x 4 CCC 224" wheelbase - 32'-80' Boom - Model 5090 SECR Hoist - 450' of 5/8" Cable (less Hook Blocks) Auxiliary Hoist Control (less Hoist) - Cab and Heater - Ford V8-361 Engine - 2000# Counterweight

****Basic Machine - 8 x 4 CCC 224" wheelbase - 32'-80' Boom - Model 5090 SECR Hoist - 450' of 5/8" Cable (less Hook Blocks) Auxiliary Hoist Control (less Hoist) - Cab and Heater - Ford V8-361 Engine - 3500# Counterweight

	32'-80' BOOM	29'-92' BOOM
A	36' 2-3/32"	33' 9-29/32"
B	31' 8-3/8"	29' 3-7/8"
C	11' 9-1/8"	11' 10-3/8"

TM275 DIMENSION CHART

WITH 32' - 80' AND 29' - 92' BOOMS

	32'-80' BOOM	29'-92' BOOM
D	80-3/8"	51-7/8"
E	32' 4-3/8"	34' 11-7/8"

