

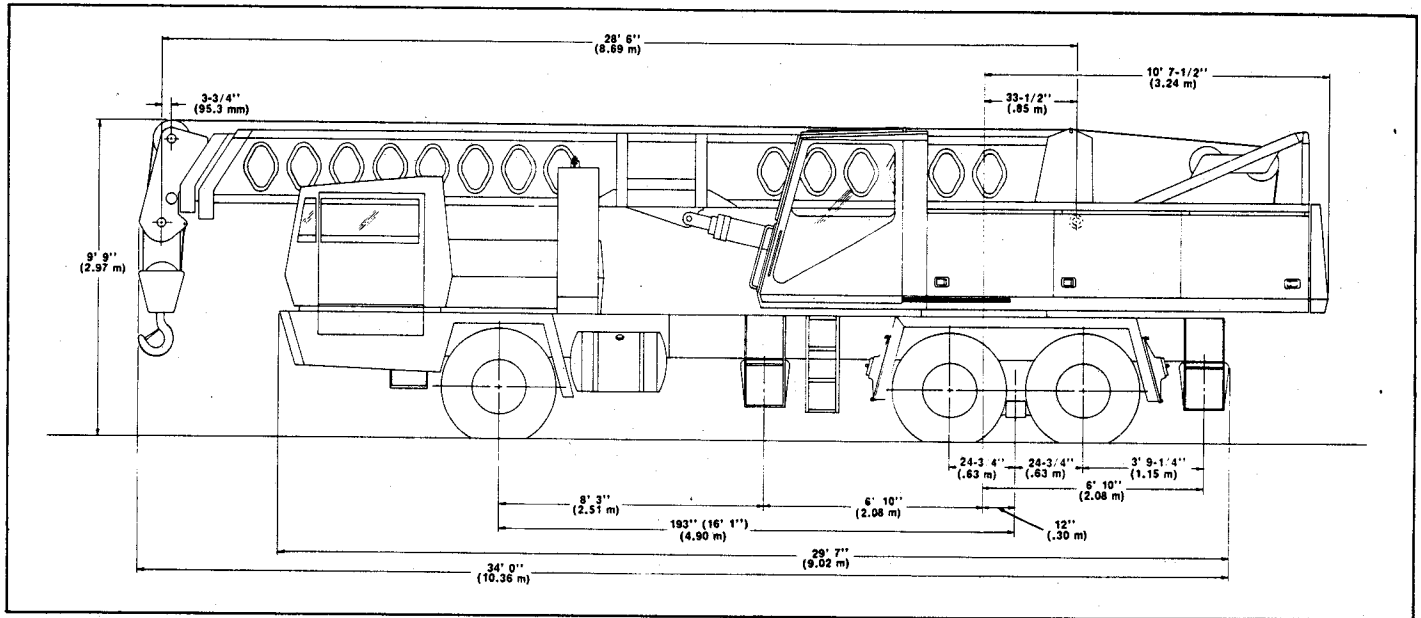
Link-Belt®

HTC-25

25-Ton Hydraulic Truck Crane

GENERAL INFORMATION ONLY

General Specifications — Carrier, Crane Upper and Attachment



General Dimensions	Feet	Meters
Over-all width, outriggers retracted	7' 11½"	2.43
Over-all width outriggers extended — C/L of jacks	17' 0"	5.18
Turning radius — C/L of outer front tire	30' 1"	9.17
Tailswing — across corners	11' 3 ¹⁵ / ₁₆ "	3.46
Minimum ground clearance	10¾"	.27

Machine Over-all Length and Approximate Working Weights

Three-section power boom horizontal over front end of carrier ①, ctwt., and 2 wire rope drums.	Machine Over-all Length		Approximate Working height	
	Feet	Meters	Pounds	Kilograms
Machine with 28' 6" — 70' (8.69 m — 21.34 m) power boom: — retracted	37' 0"	11.28	45,624 ①	20,695 ①
— retracted and 25' (7.62 m) fly in stowed position	37' 0"	11.28	46,274	20,990
— extended and 25' (7.62 m) fly in operating position	—	—	46,489 ②	21,087 ②
— retracted and optional 45' (13.72 m) jib in stowed position	37' 0"	11.28	46,937	21,290
— extended and optional 45' (13.72 m) jib in operating position	—	—	47,152 ②	21,388 ②

① Includes 25-ton (22.68 metric ton) capacity hook block.

② Fly and jib working weight includes 8½-ton (7.71 metric ton) capacity headache ball.

General Specifications

Carrier —

Type — FMC: 6 x 4 drive, 8' 0" (2.44 m) wide, 193" (4.90 m) wheelbase.

Frame — Welded plate, box section construction between outriggers. Formed channel main beams ahead of front outriggers. Integral outrigger boxes. All alloy steel.

Front Axles — Rockwell Standard FL931, "I" beam, 79½" (2.02 m) track.

Rear Axles — Rockwell Standard SLHD, 72¼" (1.84 m) track; 6.167 to 1.0 ratio.

Suspension —

Front — Burton spring suspension.

Rear — Hendrickson solid mount; 50" (1.27 m) bogie beam; rubber bushed and bronze bushed pivot.

Interaxle Differential — Standard equipment. Lockout manually controlled from carrier cab.

Wheels — Gunite cast spoke; 11.75 rims, front; 7.50V rims rear.

Tires — Single tires, front; dual tires, rear.

Standard — 15:00 x 22.5 (16-ply rating) highway tread, front; 10:00 x 20 (12-ply rating) highway tread, rear.

Optional — 10:00 x 20 (12-ply rating) road lug type on rear.

Brakes — 6 wheel air. Computerized skid control system at each axle.

Service — Rockwell Standard wedge type. Two chambers per front wheel; one chamber per rear wheel.

— Size and Area — Front — 15" x 6" (.38 m x .15 m) total effective lining area. 376 sq. in. (2,426 cm²). Rear — 15" x 7" (.38 m x .18 m) total effective lining area. 880 sq. in. (5,679 cm²).

Emergency — One spring chamber per rear wheel (used also for parking brakes). Brakes apply when air pressure drops below 65 p.s.i. (4.57 kg/cm²) in system.

Parking — One spring chamber per rear wheel (used also for emergency brakes). Brakes applied with air control valve on carrier dash.

Air Compressor — 12 c.f.m. (.34 m³/min.) Bendix Westinghouse, gear driven, cooled and lubricated from carrier engine.

Steering — Power hydraulic assist. Ross semi-integral gear; 18" (.46 m) dia. wheel.

Outriggers — Power hydraulic beams and jacks. Beam and jack controls located at crane operator's position in upper cab. Check valve in each jack cylinder. Hydraulic power supplied by carrier engine-driven pump. Double box section, heat treated alloy steel outrigger boxes welded to carrier; full width, single sliding beams.

Floats — 24" (.61 m) dia. round base aluminum.

Clutch — Rockford 14RT 14" (.36 m) dia., spring loaded, single plate, dry disc.

Universals — Mechanics needle; FMC midpoint bearing.

Transmission — Eaton Roadranger RT613; capable of 13 progressive speeds forward, 3 reverse. Front section is 5-speed box with integrally mounted 3-range auxiliary equipped with countershaft brake for easier shifting.

Fuel Tank — 60 gal. (227.1 liters) capacity.

Electrical System — One 12-volt battery and 12-volt alternator. Two single sealed beam headlights; directional signals,

clearance, stop, tail, turn, 4-way flashing system, and backup lights; electric windshield wipers and horn.

Hydraulic Sump Tank — FMC; 91 gallons (344.4 liters) capacity; for crane upper and carrier control systems filter for return oil. System of baffles for tank strength and oil cooling. Pressurized to 6 p.s.i. (.42 kg/cm²) gauge pressure.

Cab — FMC; one man, offset, fully enclosed. Insulated interior, mounted on rubber isolation pads; carpeted. Instrument panel with speedometer, odometer, tachometer, voltmeter, low air pressure warning buzzer, throttle control, and push button starting switch. Gauges for oil and air pressure, water temperature, and fuel. Safety switch to prevent starting carrier engine if main transmission is not in neutral or if rope drum motor control valve is not in neutral. Spring cushioned seat equipped with adjustable shock absorbing cylinder.

Standard Auxiliary Equipment — Bus-type rear view mirrors, rear fenders, back-up alarm, cab step, access ladder to carrier deck with hand grab rail, front tow loops, and skid-resistant finish on carrier deck.

Carrier Engines — Diesel.

Engine	GM 6V53	Cummins VT-555
Cylinders — Cycle	6 — 2	8 — 4
Bore	3¾" (98.43 mm)	4¾" (117.48 mm)
Stroke	4½" (114.30 mm)	4½" (104.78 mm)
Displacement	318 cu. in. (5,212 cm ³)	555 cu. in. (9,096 cm ³)
Max. Brake H.P.	216 @ 2,800 r.p.m.	218 @ 2,800 r.p.m.
Peak Torque	440 ft.-lbs. (60.85 kgm) @ 1,800 r.p.m.	445 ft.-lbs. (61.54 kgm) @ 1,900 r.p.m.
Crankcase Capacity	16 qts. (15.14 liters)	20 qts. (18.93 liters)
Air Compressor	12 c.f.m. (.34 m ³ /min.)	13.2 c.f.m. (.37 m ³ /min.)
Air Cleaner	Dry Type	Dry Type

Speeds — Based on full load speed — 2,800 r.p.m.

Transmission — Eaton RT613 integral 3-range auxiliary				
Gear	Ratio	Speeds		
		MPH	Km/Hr	
Direct Range	13th	1.00	53.78	86.53
	12th	1.24	43.37	69.78
	11th	1.60	33.61	54.08
	10th	2.05	26.23	42.20
	9th	2.62	20.52	33.02
	Reverse	2.77	19.41	31.23
Intermediate Range	8th	3.29	16.34	26.29
	7th	4.09	13.14	21.14
	6th	5.26	10.22	16.44
	5th	6.74	7.97	12.82
	4th	8.64	6.22	10.01
	Reverse	9.12	5.89	9.48
Low Range	3rd	10.96	4.90	7.88
	2nd	14.04	3.83	6.16
	1st	18.00	2.98	4.79
	Reverse	19.00	2.83	4.55

Based on peak torque of engine @ 1,800 r.p.m., maximum creep speed forward is 1.92 m.p.h. (3.09 km/hr); reverse is 1.82 m.p.h. (2.93 km/hr).

GENERAL INFORMATION ONLY

Axle Loads — Approximate

Machine equipped with 1 wire rope drum and as follows:	Total Weight		Upper Facing Front				Upper Facing Rear			
			Front		Rear		Front		Rear	
	Lbs.	Kgs.	Lbs.	Kgs.	Lbs.	Kgs.	Lbs.	Kgs.	Lbs.	Kgs.
With 3,600# (1,633 kg) ctwt. on upper and: 28' 6" (8.69 m) to 70' (21.34 m) power boom	45,196	20,501	14,831	6,727	30,365	13,774	8,623	3,912	36,573	16,589
28' 6" (8.69 m) to 70' (21.34 m) p.b. w/25' (7.62 m) fly ①	46,166	20,941	15,786	7,160	30,380	13,781	7,787	3,532	38,379	17,409
28' 6" (8.69 m) to 70' (21.34 m) p.b. w/45' (13.72 m) jib ②	46,829	21,241	16,613	7,535	30,216	13,706	7,044	3,195	39,785	18,046
With ctwt. removed, but with the following attachments: 28' 6" (8.69 m) to 70' (21.34 m) power boom	41,596	18,868	16,915	7,673	24,681	11,195	6,092	2,763	35,504	16,105
28' 6" (8.69 m) to 70' (21.34 m) p.b. w/25' (7.62 m) fly ①	42,566	19,308	17,870	8,106	24,696	11,202	5,256	2,384	37,310	16,924
28' 6" (8.69 m) to 70' (21.34 m) p.b. w/45' (13.72 m) jib ②	43,229	19,609	18,697	8,481	24,532	11,128	4,513	2,047	38,716	17,562
Machine equipped with 2 wire rope drums and as follows:										
With 3,000# (1,361 kg) ctwt. on upper and: 28' 6" (8.69 m) to 70' (21.34 m) power boom	45,304	20,550	14,947	6,780	30,357	13,770	8,521	3,865	36,783	16,685
28' 6" (8.69 m) to 70' (21.34 m) p.b. w/25' (7.62 m) fly ①	46,274	20,990	15,902	7,213	30,372	13,777	7,685	3,486	38,589	17,504
28' 6" (8.69 m) to 70' (21.34 m) p.b. w/45' (13.72 m) jib ②	46,937	21,290	16,729	7,588	30,208	13,702	6,942	3,149	39,995	18,141
With ctwt. removed, but with the following attachments: 28' 6" (8.69 m) to 70' (21.34 m) power boom	42,304	19,189	16,685	7,568	25,619	11,621	6,410	2,908	35,894	16,281
28' 6" (8.69 m) to 70' (21.34 m) p.b. w/25' (7.62 m) fly ①	43,274	19,629	17,640	8,001	25,634	11,628	5,574	2,528	37,700	17,101
28' 6" (8.69 m) to 70' (21.34 m) p.b. w/45' (13.72 m) jib ②	43,937	19,930	18,467	8,377	25,470	11,553	4,831	2,191	39,106	17,739
Adjust weights for the following items: 25-ton (22.68 metric ton) hook block at bumper	+320	+145	+447	+203	-127	-58	—	—	—	—
8½-ton (7.71 metric ton) headache ball at bumper	+215	+98	+300	+136	-85	-39	—	—	—	—
Auxiliary sheave	+91	+41	+155	+70	-64	-29	-145	-66	+236	+107

(p.b. — power boom)

① Based on 25' (7.62 m) fly in stowed position.

② Based on 45' (13.72 m) jib in stowed position.

Upper Revolving Superstructure —

Frame — All welded construction. Consists of 50,000 p.s.i. (3,511 kg/cm²) yield strength low alloy steel and T-1 100,000 p.s.i. (7,031 kg/cm²) yield strength low alloy steel in boomfoot area. Provides boom foot pin mounting holes and supporting points for boomhoist cylinders.

Turntable Bearing with Integral Swing Gear — Ball bearing type; inner race bolted to upper. Outer race with integral 120-tooth swing gear bolted on carrier deck. Seal retains lubricant and excludes dirt. Nominal pitch dia. of bearing, 41" (1.04 m).

Hydraulic System — Consists of 2-speed wire rope hoist drum hydraulic motor, swing hydraulic motor, hydraulic cylinders, one bank of main control valves, triple gear pump, oil cooler, oil reservoir, outrigger solenoid valves, 6-way rotating joint, Speed-o-Matic® power control system including control valves, pump, and accumulator.

Oil Capacity — 160 gal. (605.5 liters) total system capacity; for boomhoist, swing, outrigger control, boom extend/retract, and load handling circuits.

Main Pump — Triple gear type, powered by drive shaft from front of carrier engine and through a pump disconnect. Pump disconnect is FMC jaw-type clutch mechanically engaged or disengaged from carrier cab.

— First section powers boomhoist cylinders and wire rope drum motor — output 50 g.p.m. (189.3 liters/min.) @ 2,800 r.p.m.

— Intermediate section powers swing and boom tip telescope — output 21 g.p.m. (79.5 liters/min.) @ 2,800 r.p.m.
— Third section powers outriggers and boom middle section telescope — output 21 g.p.m. (79.5 liters/min.) @ 2,800 r.p.m.
— In the event other functions are not performed, intermediate and third pump section output will combine to furnish high speed middle boom section telescope — total output 42 g.p.m. (159.0 liters/min.) @ 2,800 r.p.m.

Oil Cooler — Mounted in front of carrier engine to maintain proper oil temperature in hydraulic system.

Holding Valves — Provide automatic locking feature to prevent load or extended boom sections from creeping down. Also allows controlled lowering of boom and loads.

Rotating Joint — FMC; provides oil passage between carrier and upper for individual power supplies and combined oil return for hoist, boomhoist, and boom extend/retract functions, and for Speed-o-Matic® power supply and oil return. Electrical collector ring is integral part of rotating joint — serves to transfer electrical power from carrier to upper.

Speed-o-Matic® Power Hydraulic Control System — Provides hydraulic power for 2-shoe clutch control of main and optional auxiliary wire rope drums.

Pump — Vickers; belt driven off carrier engine crank shaft. Output 8.2 g.p.m. (31.03 liters/min.) @ 2,100 r.p.m.

Oil Filter — FMC; 40 micron ribbon type element. Full flow filter.

Relief Valve — Pressure setting 1,250 p.s.i. (87.89 kg/cm²).

Unloader Valve — FMC; loads and unloads pump to maintain system pressure range from 900 p.s.i. (63.28 kg/cm²) minimum to 1,050 p.s.i. (83.83 kg/cm²) maximum.

Accumulator — FMC; piston type, precharged with dry nitrogen gas to 650 p.s.i. (45.70 kg/cm²).

Control Valves — FMC; variable pressure type.

HTC-25 Hydraulic Circuit Pressure Settings		
Circuit	Function	Pressure
Main	Wire rope hoist drums, Boomhoist	2,800 p.s.i. (196.87 kg/cm ²)
Secondary	Boom telescope Swing, Outriggers	2,500 p.s.i. (175.78 kg/cm ²)
Speed-o-Matic® System	Hydraulic clutch control of wire rope hoist drums	1,050 p.s.i. (73.83 kg/cm ²)

EMERGENCY INFORMATION ONLY

Swing System — 360° rotation right or left. Hydraulic tandem gear-type swing motor mounted to FMC speed reducer.

Speed Reducer — FMC; 2-stage spur gear reducer, antifriction bearings throughout. Hydraulic motor shaft splined outside of gear case into one end of swing brake drum. Input drive pinion located inside gear case, splined into other end of brake drum and drives gear on jackshaft. Pinion on jackshaft drives gear on output shaft. Output shaft is splined to swing pinion outside of gear case.

Swing Pinion — Heat treated, machine cut teeth.

Swing Brake — Two shoe, external compressing; manually controlled.

Swing Lock — Pin type, manually controlled. Pin fits into pipe welded to carrier deck; can only be engaged when upper is directly over front or rear of carrier.

Swing Speed — 3.5 r.p.m.

Counterweights — For machine with two hoist drums, 3,000# (1,361 kg) one-piece cast iron. For machine with single hoist drum, 3,000# (1,361 kg) one-piece cast iron, plus 600# (272 kg) of steel plates. Counterweight is bolted directly to steel frame.

Fleeting Sheaves and Frame — Supports wire rope over base of boom sheaves 10⁵/₈" (.27 m) root dia., mounted on non-metallic bushings.

Operator's Cab — Offset to left for lower horizontal boom position. Door on sliding track with automatic lock to hold door open. Door is key locked. Safety glass in all windows with tinted roof glass. Right side window fixed; front window removable and stored in upper machinery cab; roof window swings up. Cab insulated from vibration by rubber mounts. Neoprene seal between platform and cab provides insulation from weather and sound; also sound insulation on cab interior. Heater and windshield wiper standard. Bubble type level on console.

Upper Machinery Cab — Equipped with three doors that hinge outward for access to machinery.

Available Maximum Line Pull — Developed by machinery with first layer of wire rope, not limited by wire rope strength.

Rear and Front Auxiliary Drums		Operator Control — Load Hoist Lever [Ⓞ]		Operator Control — 2-Shoe Clutches [Ⓞ]	
		Line Pull		Line Pull	
		Pounds	Kilograms	Pounds	Kilograms
First Layer Wire Rope	Low Speed	8,660	3,928	11,740	5,325
	High Speed	4,330	1,964	5,610	2,545

Permissible Line Speeds and Pulls — Based on 9/16" (14.29 mm) dia., Type "N" wire rope strength.

Rear and Front Auxiliary Drums		Operator Control — Load Hoist Lever [Ⓞ]				Operator Control — 2-Shoe Clutches [Ⓞ]			
		Line Speed		Line Pull		Line Speed		Line Pull	
		F.p.m.	Meters/min.	Pounds	Kilograms	F.p.m.	Meters/min.	Pounds	Kilograms
First Layer Wire Rope	Low Speed	167	50.90	7,870	3,570	167	50.90	9,600	4,355
	High Speed	348	106.07	3,940	1,787	348	106.07	5,100	2,313
Sixth Layer Wire Rope	Low Speed	251	76.50	5,220	2,368	251	76.50	7,070	3,207
	High Speed	525	160.02	2,610	1,184	525	160.02	3,380	1,533

Note: Line speed and pull based on single drum. Line speeds are based on 57.5 r.p.m. (low) or 120 r.p.m. (high) wire rope hoist drum motor speeds.

[Ⓞ] Utilizes hydraulic motor only for hoisting or lowering loads; 2-shoe clutches engaged prior to actuating hoist lever.

[Ⓞ] Utilizes variable pressure of clutches for hoisting or lowering loads; hoist lever engaged to actuate hydraulic motor prior to using clutches.

Attachment —

Boom — Fabricated, box type. Side plates have diamond shaped depressions for lateral stiffness. Chord angles consist of 100,000 p.s.i. (7,031 kg/cm²) yield strength steel. Use of corner angles eliminates welds from extreme corners for greatest boom strength. Three-section power boom with two double acting (extend/retract) telescoping cylinders, boom rest, boom angle indicator, and boom length indicator. Boom sections supported within one another by wear shoes equipped with replaceable composition pads. Shoes support sections both vertically and horizontally.

Boom Head Machinery — Hammerhead design to accommodate high boom angles without fouling wire rope load lines. Equipped with three load sheaves and two deflector sheaves — all 10⁵/₈" (.27 m) root dia. and mounted on anti-friction bearings. Designed for use with one through eight parts of line; equipped with wire rope deflector sheave, and integral link for boom dead-ending two, four, six, or eight parts of line. Four lead sheaves optional.

Auxiliary Lifting Sheave — Optional, single sheave mounted in bracket bolted to boom head, used with one or two parts of line off optional auxiliary load hoist drum. Does not affect stowing of jib, or use of main load sheaves for multiple reevings.

Hoist Rope Guide Rollers — One deflector roller provided to deflect wire rope over the rear end of boom base section. Wire rope guides provided on front of base and center section to keep rope on top of boom.

Attachment — cont'd.

Boomhoist Cylinders — Two FMC double-acting hydraulic cylinders with attached holding valves, preventing boom creeping down under load. Self-aligning steel bushings in each cylinder rod end. Cylinder bore dia. — 7¼" (.19 m); rod dia. — 5" (.13 m); stroke — 67¾" (1.71 m).

Boom Speeds — Boomhoist from -5° to 75° in 29 seconds. Boom full extend time, 50 seconds. Boom full retract time, 35 seconds.

Boom Telescoping System — Three-section power hydraulic boom telescopes via two double-acting cylinders mounted one above the other within boom. Lower cylinder rod end is pinned to boom base section and its cylinder case is pinned to middle boom section. Upper cylinder rod end also pinned to middle boom section and its cylinder case is pinned to boom tip section. Rods remain stationary, cylinders extend and retract power boom sections. Separate controls provided for each boom telescoping cylinder so that each section of boom can be extended or retracted independently. Boom sections must be extended or retracted equidistantly when making lifts except as specified on load rating chart.

Boom Angle Indicator — Mechanical linkage from boomfoot pin activates calibrated drum inside operator's cab when boom is raised or lowered. Gravity operated pointer shows boom angle reading.

Boom Length Indicator — Optional. Consists of boom mounted transducer connected by control wire through boom to meter read-out in operator's cab.

Hook Block — Optional.

Fly —

25' (7.62 m) One-piece Fly — Standard. Consists of 5' (1.52 m) straight extension section plus a 20' (6.10 m) lattice top section. Used mounted in-line to boom only.

25' (7.62 m) Two-piece Fly — Optional. Consists of 5' (1.52 m) folding base section plus 20' (6.10 m) lattice top section. Used mounted in-line to boom only. Jib base section allows top section to be pivoted to right of boom head and stowed for travel along right side of boom base section.

Jib —

45' (13.72 m) Long — Optional. Three-piece; consists of optional 5' (1.52 m) folding base section and 20' (6.10 m) straight lattice extension, plus optional 20' (6.10 m) top section. Jib can be mounted in-line with boom or at 7.5° offset from boom. May be stowed for travel by folding 20' (6.10 m) top section under 20' (6.10 m) extension and pivoting these sections to right side of boom base section.

Jib Mast — Mounted on 5' (1.52 m) folding jib base section. Jib frontstay pendants connected to top of jib mast — adjustable for jib in-line or 7.5° offset positions. Jib backstay pendants and linkage stationary. Jib mast and pendants stored on 20' (6.10 m) straight extension when jib is stowed along right side of boom base section.

Jib Mast Stops — Telescoping type, spring loaded. Pinned from jib mast to boom tip section and from jib mast to 5' (1.52 m) folding jib base section. Front jib mast stops stored on underside of 20' (6.10 m) straight lattice extension. Rear jib mast stops stored with folded jib mast.

Boom Lockout — Mechanical; locks boom tip section into fully extended position when using jib, maintaining proper jib backstay pendant position. Although tip section is locked, boom middle section may be powered in or out. When only fly is used, both middle and tip boom sections may be powered in or out.

Load Hoist Drums — Two available. Rear drum standard, auxiliary front drum optional. Two mode load hoisting/lowering design concept permits matching mode of operation with specific job requirements. Two directional hydraulic motor furnishes power to wire rope drums through spur gear reduction, reduction shaft with drive pinion, and spur gears for each drum. Drums equipped with integrally cast clutch and brake drums, 2-shoe internal expanding Speed-o-Matic® power hydraulic clutches and mechanical band brakes. To increase load hoisting or lowering line speeds, "high-speed" solenoid button is located on swing control lever. Solenoid directs oil internally within motor to high-speed segment and provides 100% increase in hoist rope speeds and approximately 50% decrease in hoist rope pulls.

— Using hydraulic motor to power wire rope drums directly, operator first engages 2-shoe power hydraulic clutch for respective drum (rear or auxiliary front) being used. Load is then raised or lowered by engaging hoist control lever while simultaneously releasing foot-controlled drum brake. Holding valve manifold mounted on hydraulic motor automatically permits controlled lowering of over-hauling loads.

— More precise control hoisting or lowering loads is provided by use of 2-shoe power hydraulic clutches. Hoist lowering control lever is first engaged to activate two-directional hydraulic motor to power rope drum gear train. Then, by engaging 2-shoe clutch to power respective drum being used, while disengaging drum brake, load may be raised or lowered precisely.

— Free-fall load lowering employed by releasing 2-shoe clutch and controlling speed of load descent with foot-controlled drum brake. Standard on main and optional auxiliary front drum.

Hoist Motor — Two-speed hydraulic gear type; powers load hoist drum gear train through spur gear reduction.

Speed Reducer — FMC 2-stage spur gear reducer, anti-friction bearings throughout. Input drive pinion splined to hydraulic motor shaft drives spur gear splined to jackshaft. Pinion splined to jackshaft in turn drives gears splined to drumshafts for main and auxiliary hoist units. All gears enclosed, running in oil.

Wire Rope Drums — Rear drum, standard. 10½" (.26 m) root dia., 15" (.38 m) wide, smooth, tapered flanges, mounted on anti-friction bearings. Drum capacity — 6 layers of 9/16" (14.29 mm) dia. wire rope; total 564' (172.91 m). Optional auxiliary front drum identical to rear drum.

GENERAL INFORMATION ONLY

Attachment — cont'd.

Drum Clutches — Two-shoe internal expanding. Speed-o-Matic® power hydraulic; 14" x 4" (.36 m x .10 m). Clutch spider splined to shaft. Clutch/brake drums cast integral with wire rope drum.

Drum Brakes — Two-piece external contracting bands; manually applied and released by foot pedals in operator's cab. Pushing pedal completely down locks brake. Brake/clutch drums cast integral with wire rope drums. Brake drum dia., 18" (.46 m) brake band 3¼" (82.55 mm) wide.

Drum Rotation Indicators — Standard for rear drum and for optional auxiliary front drum. By depressing hydraulically operated indicator buttons, mounted in drum clutch control lever handles, operator feels strong pulsations whenever rope drums rotate in either direction. Pulsations cease when operator releases buttons.

Wire Rope —

Application	Type and Size Used
Main Load Hoist	9/16" (14.29 mm) dia., Type "N"
Jib Load Hoist	9/16" (14.29 mm) dia., Type "N"
Auxiliary Lifting Sheave Load Hoist	9/16" (14.29 mm) dia., Type "N"
Jib Frontstay Pendants	44' 9" (13.64 m) long ½" (12.70 mm) dia., Type "N"
Jib Backstay Pendants	19' 3¼" (5.89 m) long ½" (12.70 mm) dia., Type "N"

Wire Rope — Type "N" (6 x 19 class) filler wire extra improved plow steel, preformed, independent wire rope core, right lay regular lay.

GENERAL INFORMATION ONLY

We are constantly improving our products and therefore reserve the right to change designs and specifications.

FMC Corporation Crane and Excavator Division World Headquarters Cedar Rapids Iowa 52406
 Plants in: Cedar Rapids Iowa (2) • Lexington & Bowling Green Kentucky • Ontario Canada • Milan Italy • Queretaro Mexico & Nagoya Japan (under license)

