FMC

Link-Belt®
HC-218A
Wire Rope Truck Crane
100-ton (90.70 metric ton)

FMC's exclusive low-profile Full-Function machinery design

Speed-o-Matic® power hydraulic control system plus 2-shoe clutches

1. **Engine:** Diesel with single stage torque converter (3-stage optional).

2. **Frame:** Fixture welded and stress relieved for strength and durability; line bore accuracy for proper shaft and gear alignment. This results in less component wear and lower maintenance cost.

3. **3a., 3b. Rope drums:** Large diameter rear (3) and front (3a) rope drums accommodate up to 890' (271.27 m) of ⅞" (22 mm) diameter rope. Independent 3rd rope drum is optional and mounts in bores indicated as (3b).

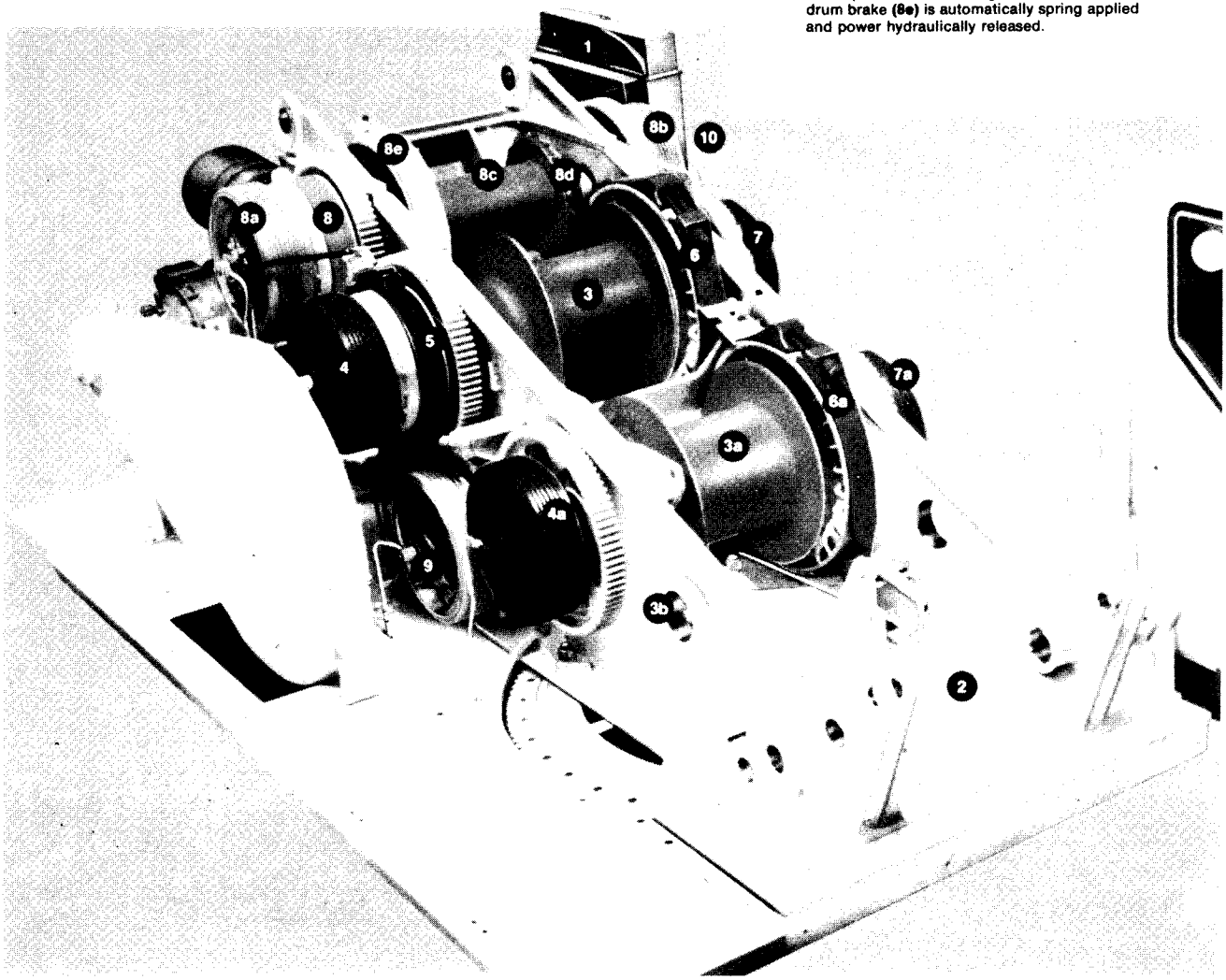
4. **4a. Hoist clutches:** Two-shoe, rear (4) front (4a).

5. **Independent planetary hoist:** (Optional) Provides up to 70% increase in hoist line speed. (see page 200.06)

6. **6a. Drum brakes:** Mechanically operated by foot pedals. Separated from hoist clutches (4, 4a) to eliminate heat transfer, resulting in cooler brakes and clutches for increased service life.

7. **7a. Power load lowering clutches:** Independent; 2-shoe for powering down light loads and controlled lowering of heavier loads. Standard on rear drum (7), optional on front drum (7a). (Only clutch drums visible.)

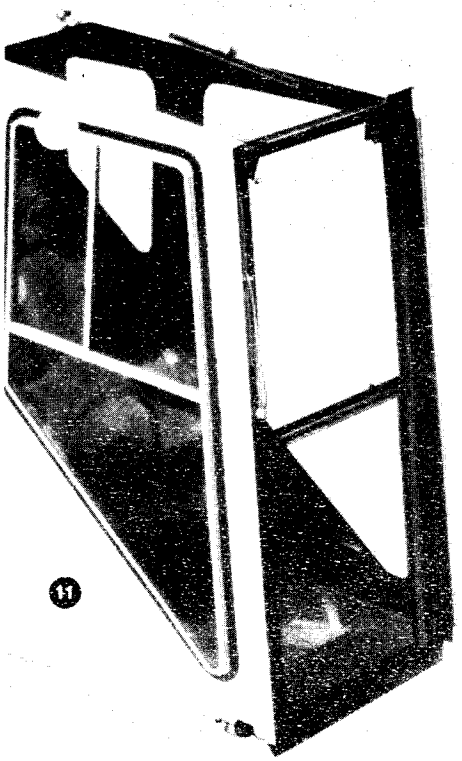
8. **8a., 8b., 8c., 8d., 8e. Boom hoist:** Independent with two-speed boom lowering. Planetary drive (8) is standard for control of long boom/jib lowering. Optional 2-shoe clutch (8a) for increased speed of shorter boom/jib lowering. Boom hoisting with 2-shoe clutch (8b). (Only clutch drum visible.) Large diameter rope drum (8c) with integral ratchet wheel (8d). Manually controlled pawl locks ratchet wheel and rope drum in lowering direction. Rope drum brake (8e) is automatically spring applied and power hydraulically released.

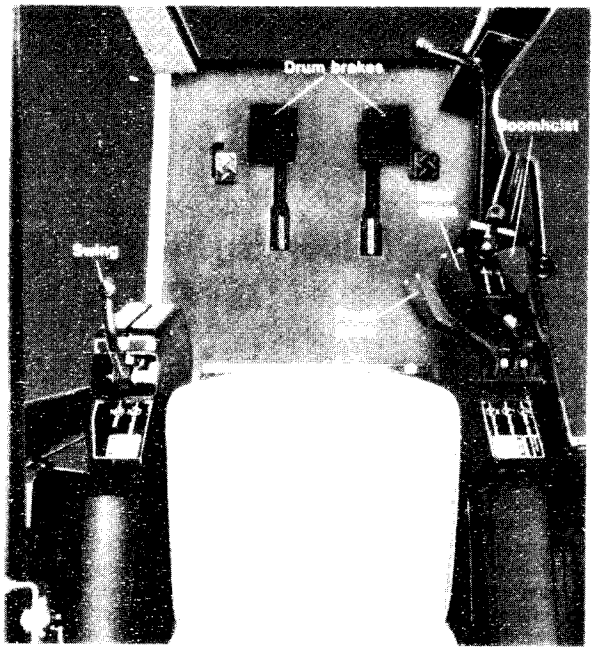


9 Swing: Independent. Two-shoe clutches transmit swing power into the swing pinion. (Only right hand clutch and drum are visible.)

10 Speed-o-Matic power hydraulic control power package: (Not visible, mounts near front of engine.) Refer to diagram on this page.

11 Operator cab and controls: Insulated and isolated for sound level reduction. The forward location greatly improves the operator's ability to see his work on the ordinary, as well as many specialized loading jobs.





Operator cab

Drum rotation indicator buttons

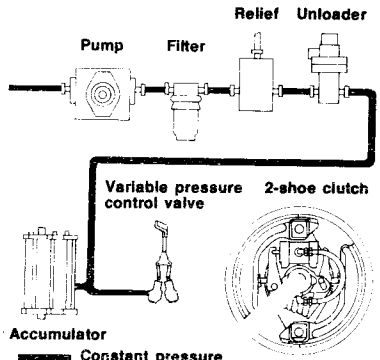
The 100-ton (90.70 metric ton) HC-218A Link-Belt® truck crane features the FMC exclusive stylized cab design for more effective operator performance.

The power train is FMC's exclusive **Full-Function design.** A precision built, all-gear drive unit that permits independent or simultaneous performance of all the crane functions.

The modular and humanized **operator cab** is designed for arm-chair control and optimum visibility. Upholstered seat, arm rest, sound reduction materials, etc. are all standard equipment.

To assist operator in precision load hoisting or lowering particularly with long boom/jib, **drum rotation indicator buttons** on the drum clutch control levers pulsate whenever rope drums rotate to indicate both load speed and direction.

For superb control of all the crane functions, the HC-218A incorporates the



Speed-o-Matic power hydraulic control system

exclusive **Speed-o-Matic power hydraulic control system** and 2-shoe clutches. Short throw levers on operator's control consoles actuate variable pressure valves from which oil under pressure is metered to the 2-shoe clutch cylinders. Clutches can be engaged to any degree for smooth acceleration/deceleration of swing, load hoist/lowering and the boom hoist.

Carrier designed and manufactured by FMC's Crane and Excavator Division

Luxurious carrier cab insulated and isolated for sound level reduction

The model HC-218A carrier is designed with a 100,000 p.s.i. (689 500 kPa) quench and tempered, high-strength alloy steel frame for optimum weight-to-strength ratio — an important consideration in the HC-218A axle loadings for machine transportability.

The **carrier cab** interior provides a touch of luxury for the operator. The cab is insulated and isolated from the frame by rubber mounts to reduce shock and sound levels. Upholstered side panels, luxury instrument panel, excellent gauge visibility, floor carpet, large glass area, bucket seat with safety belt, right and left-hand mirrors, windshield washers and wipers, heater, defroster fan, and tachometer are all standard equipment on the HC-218A.

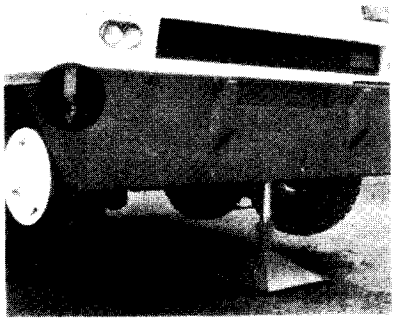
The carrier **diesel engine** drives through a **Roadranger 15-speed transmission**, into a **2-speed** (direct and low) **auxiliary transmission**, powering the rear axle **planetaries**. This **power train** allows for negotiating steep grades, maneuvering through traffic, and travelling at highway speeds up to 43 m.p.h. (69.19 km/hr). In addition, the low range provides for on-the-job precision travel movement as low as 1.1 m.p.h. (1.77 km/hr).

Carrier cab

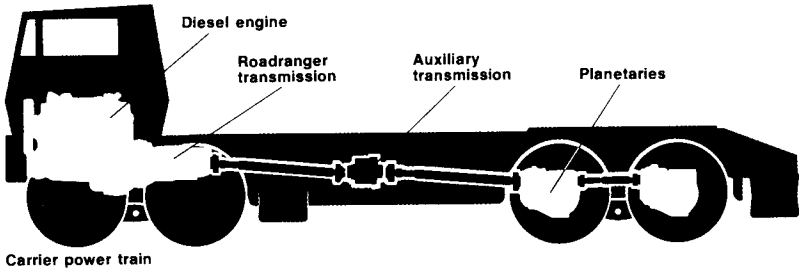
Eight-wheel air brakes are standard. When lifting "on tires", parking brakes can be set from the carrier cab. The brake chambers on the rear tandem also provide emergency braking.

Hydraulic **front center jack** (optional) allows handling of the over-the-side outrigger capacities throughout 360° swing (Refer to page 200.06) The control is located on the right front corner of the carrier.

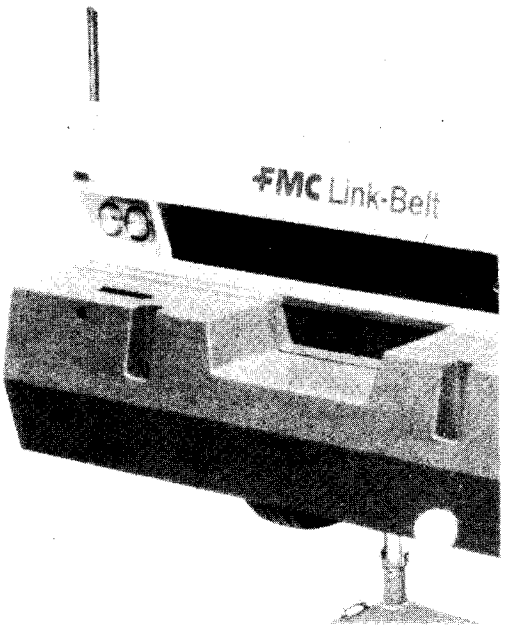
Power for the hydraulic outriggers is from the carrier engine-driven pump, with individual control of beams and jacks. This permits leveling the machine on reasonably uneven terrain. Once the outriggers are set, a **check valve** fixed to the jack cylinder "locks" the oil in the cylinder and the outrigger jacks in place. For assistance in leveling, sight levels are located near the outrigger boxes.



Front center jack



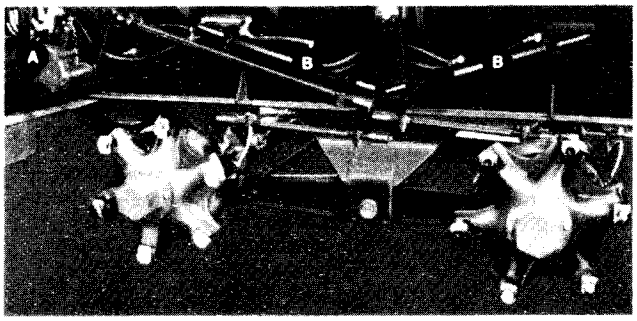
Carrier power train



Both front and rear outrigger boxes are pin-connected to the carrier frame for quick removal to reduce over-all weight for highway travel. Removal of four pins in each frees the outrigger from the carrier. Hydraulic lines are equipped with quick disconnects. Also, to facilitate removal of the front outrigger assembly, the jack cylinder can be disassembled from one outrigger beam. (See page 200.08)

The **outrigger control panels** are located on each side of the carrier. Control panels are equipped with an engine "throttle" control.

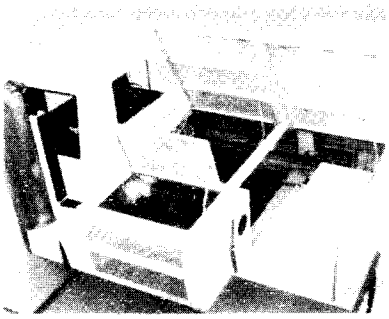
The **power assist hydraulic steer** components are mounted to the side of the carrier frame for protection. The operator controls steering gear **(A)** and steer linkage. A hydraulic control valve activated by the steering gear **(A)** directs oil from the steering pump to the interconnected, double-acting cylinders **(B)** for power assist hydraulic steer. This design results in equal power assist force when steering right or left.

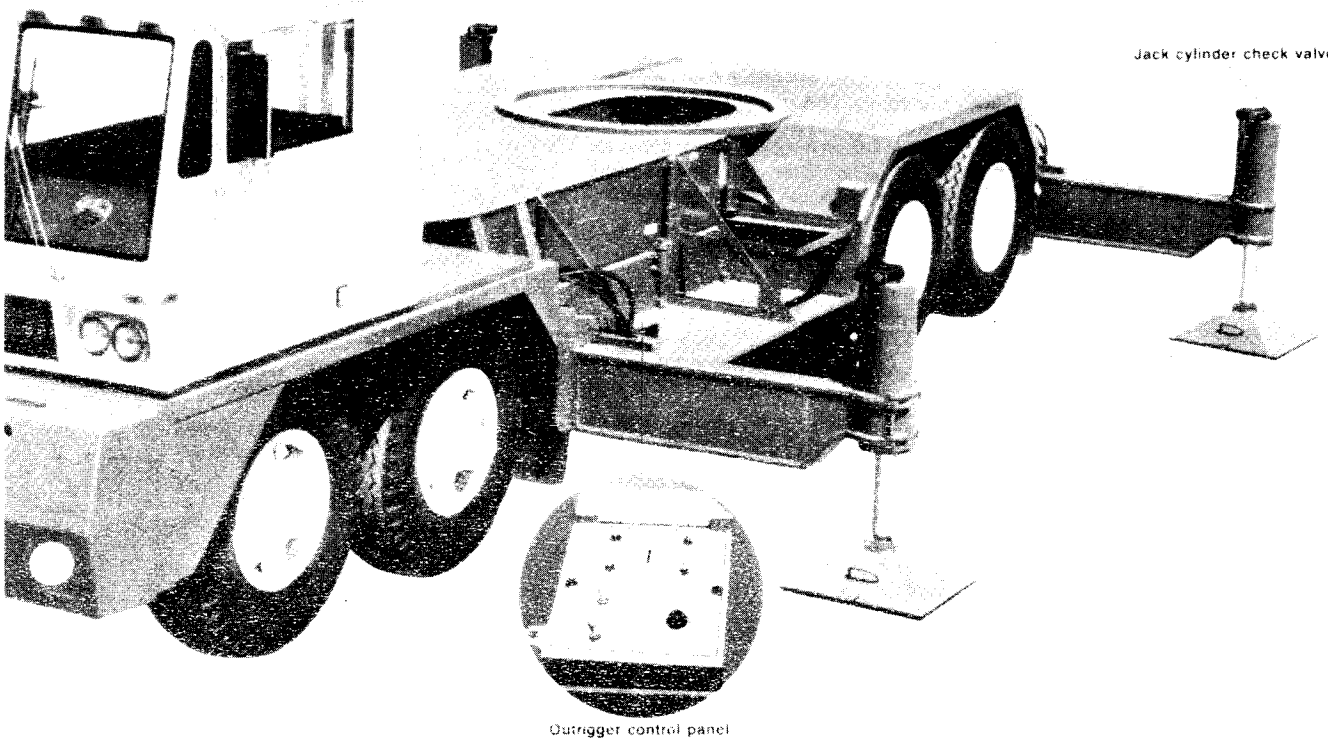


Power assist hydraulic steer

The revolving upperstructure is mounted to the carrier by a turntable bearing with integral swing gear.

For complete service **accessibility to the engine** and accessories, the hood can be quickly raised.


Engine accessibility

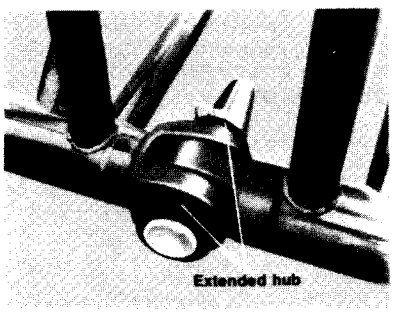


Pin-connected tubular boom and jib
Three types of boom top sections available

Up to 230' (70.10 m) main boom, or 210' (64.01 m) boom plus 60' (18.29 m) jib

The HC-218A features a pin-connected tubular boom and jib. Tubular boom chord members are 100,000 p.s.i. (689 500 kPa) quench and tempered, high-strength alloy steel.

The tubular boom represents the latest advances in boom design and is precision built with special automatic machine tools and fixtures. Machine-coped lattice ends match the contour of the round, alloy steel, tubular chords and are carefully welded in place with 360° welds.



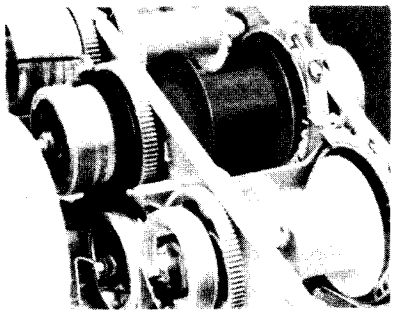
Boom pin-connection

The method of welding the in-line pin lugs to the round tube chord minimizes stress concentration and is an exclusive development of FMC engineering/ manufacturing technology. The **extended hub** on the female connection serves as an anchor for the jib guyline, mid-point pendants, or for pendant lines when assembling the boom. The **boom pin-connection** tapered end pin is held in place with a latchpin.

The front center jack allows handling of the **over-the-side outrigger capacities throughout 360° swing.** This gives the HC-218A greater on-the-job working capability for increased truck crane performance and profits.

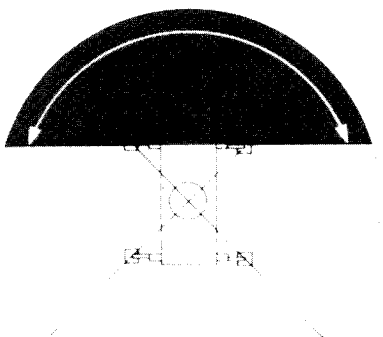
The basic jib is 30' (9.14 m) in length, 2-piece, pin-connected with 15' (4.57 m) extensions available for a maximum jib length of 60' (18.29 m). The jib mounts to the boom top section. The jib mast is pinned to the jib base. The front and rear jib stops are telescoping type. The jib peak sheave and the jib mast rope deflector sheaves are all mounted on anti-friction bearings to eliminate the need for daily lubrication.

The flexibility of **Full-Function** design makes possible 2-speed front and rear

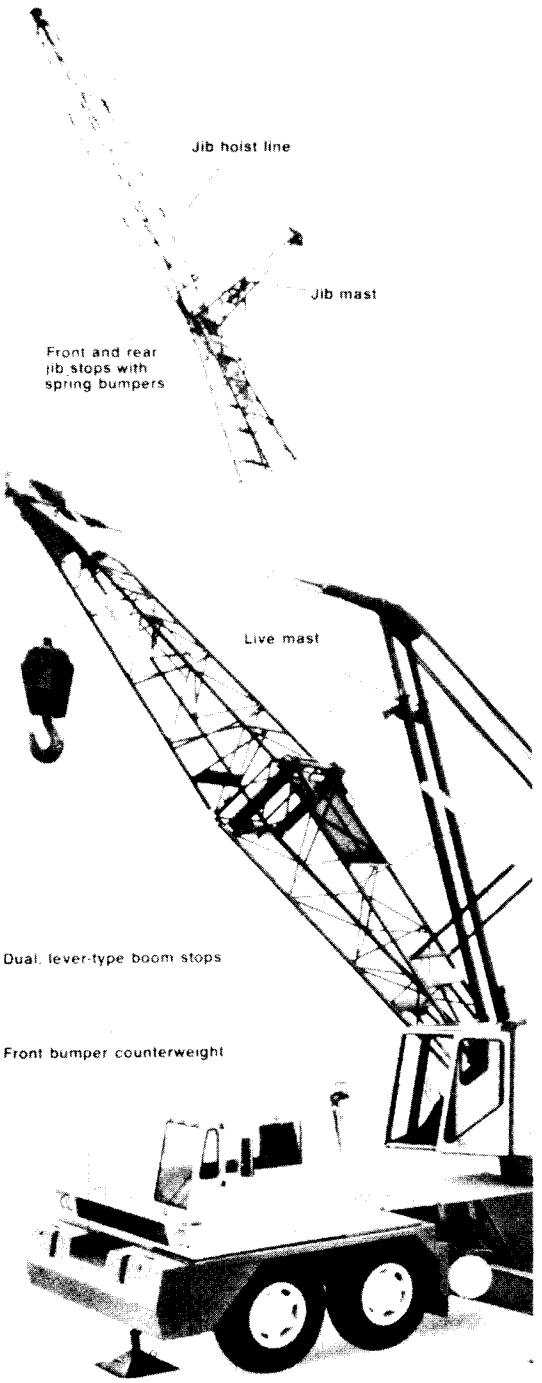


Independent planetary driven 2-speed drums

rope drums and, at the same time, retains standard speed for swing, boomhoist and third drum. This exclusive, **independent planetary arrangement** (Item 5, Page 200.02)an be mounted at **either or both hoist and lowering ends** of the drum shafts.



Over-the-side outrigger capacities throughout 360° swing with front center jack



Planetary is mounted between the drum gear and 2-shoe clutch drum. The planetary arrangement can provide up to 70% increased hoist speed or can be modified to provide 40% decreased speed for either hoisting or lowering. Engaging the 2-shoe clutch provides standard rope speed; planetaries are controlled by push button located on each hoist drum control lever.

To meet user's job requirements, the HC-218A crane boom can be equipped with one of three types of boom top sections — **tapered, hammerhead,** or **open throat.**

All boom peak sheaves are mounted on anti-friction bearings to eliminate the need for daily lubrication. The lower boom section is 20′ (6.10 m) with various length boom extensions available.

The 40′ (12.19 m) **tapered top section** is equipped with two sheaves for multiple reeving to handle rated loads of 45 ton (40.82 metric ton) with boom length of 90′ (27.43 m). Boom makeup is 20′ (6.10 m) lower, 30′ (9.14 m) transition section plus 40′ (12.19 m) tapered top. Maximum length boom is 230′ (70.10 m) or 210′ (64.01 m) boom plus 60′ (18.29 m) jib.

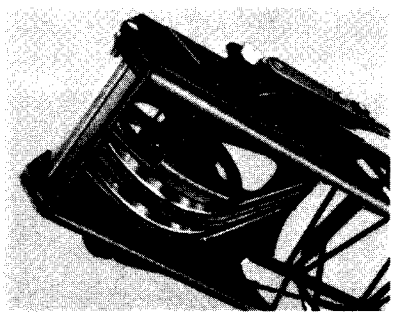
The 10′ (3.05 m) 2-piece **hammerhead top section** is equipped with five sheaves for multiple reeving to handle rated loads of 82 ton (74.37 metric ton) with boom length of 30′ (9.14 m). Maximum length boom is 230′ (70.10 m) and boom and jib is 200′ (60.96 m) plus 60′ (18.29 m).

The 20′ (6.10 m) **open throat top section** is equipped with five sheaves for multiple reeving to handle rated loads of 100 tons (90.70 metric ton) with boom length of 40′ (12.19 m). Maximum length boom is 230′ (70.10 m) and boom and jib is 200′ (60.96 m) plus 60′ (18.29 m).

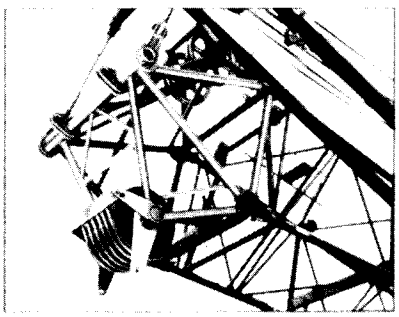
Dual, lever-type boom stops, each with spring-loaded bumpers, are standard. When the **live mast** is used for assembly purposes, the boom stops can be arranged to serve as mast stops.

The boom live mast is equipped with sheaves and can be used for handling boom sections, counterweight, etc. The boomhoist limiting device improves close-radius operation. When an attempt is made to raise the boom closer than minimum radius, this mechanism acts to disengage the boom raising clutch and simultaneously engage the boomhoist brake.

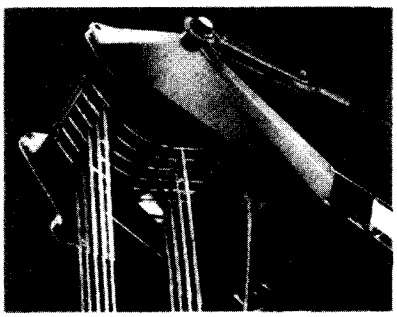
Boom folding with the 20′ (6.10 m) open throat top section is possible with the insertion of an optional 10′ (3.05 m) boom section equipped with **offset lugs.** In addition, tubular **struts with offset lugs** are installed to mate with the offset lugs on the special section.



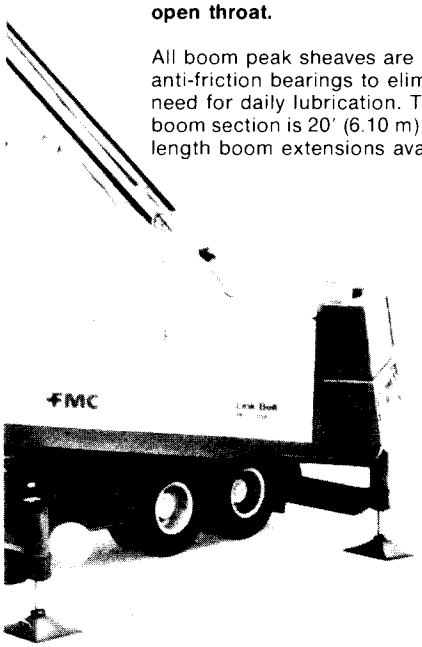
Tapered top section



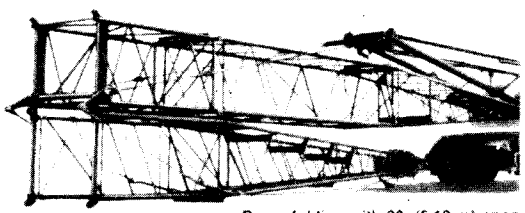
Hammerhead top section



Open throat top section



Offset lugs



Boom folding with 20 (6.10 m) open throat top section

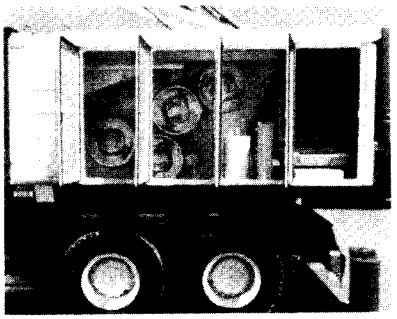
Struts with offset lugs

FMC

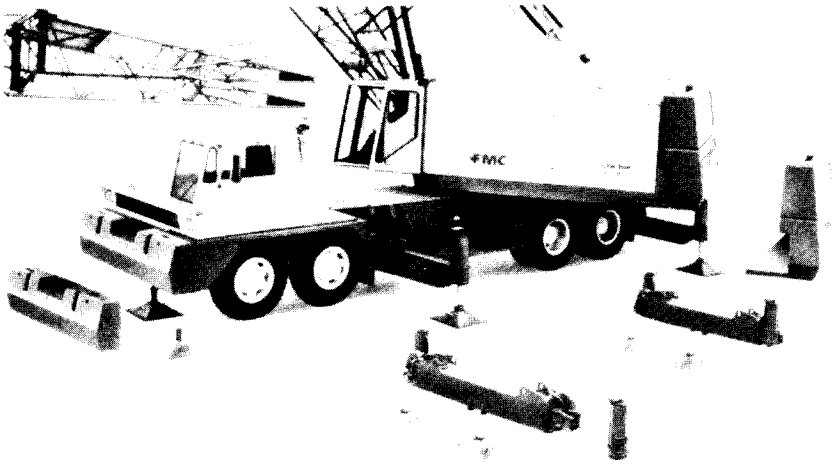
Designed for fast stripdown of outriggers, boom and counterweight

Tag axle available for greater weight distribution

The HC-218A upperstructure machinery is fully enclosed within FMC's exclusive, distinguished and stylized cab. The cab is equipped with multiple side doors for **accessibility to the machinery.**



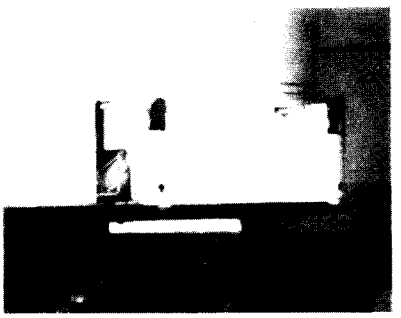
Machinery accessibility



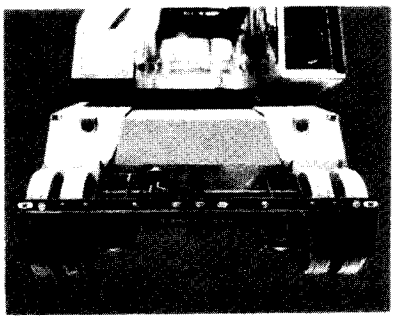
Fast stripdown of outriggers and counterweights

Fast stripdown of the **carrier bumper counterweight, upper counterweight** and **outrigger assemblies** for job-to-job transportability was an important design consideration.

Bumper counterweight can be lifted off the two bumper lugs. Removal of two pins in each frees the front and rear outrigger assembly from the carrier. One jack assembly can be disassembled from the beam to facilitate removal of the front outrigger assembly from beneath the carrier. Hydraulic lines are equipped with quick disconnects. Floats are pin-connected to the jack cylinder rods. The crane upper **counterweight can be lowered** (or raised) hydraulically in just seconds. Counterweight is held in place by the hydraulically controlled frustrums. Time consuming use of counterweight bolts or mechanical devices have been eliminated.



Hydraulic counterweight lowering



Rear tag axle

The HC-218A can be equipped with a tag axle, allowing greater over-all payload.

Carrier features

- FMC designed and manufactured
  Benefit - *Dependability and performance*
- Luxurious operator cab
  Benefit - *Increased operator efficiency*
- Roadranger 15-speed transmission
  Benefit - *Job-to-job mobility*
- Front center jack
  Benefit - *"Over-the-side" lift capacity through 360°* swing
- Auxiliary 2-speed transmission
  Benefit - *Low speed on-the-job travel*

Upperstructure features

- Operator's cab forward mounted
  Benefit - *Greater operator visibility*
- Full-Function gear train design
  Benefit - *Permits independent or simultaneous crane functions for increased performance and production*
- Speed-o-Matic® power hydraulic system
  Benefit - *Proven and dependable. No daily system maintenance*
- Interchangeable 2-shoe clutches
  Benefit - *Serviceability, accessibility and performance*
- High speed planetary drive for load hoist
  Benefit - *Increases hoist cycles for greater production*

Attachment features

- Choice of boom top sections
  Benefit - *User job flexibility*
- Tubular boom with 100,000 p.s.i. (689 500 kPa) alloy steel chords
  Benefit - *Dependability*
- Exclusive boom pin-connection design with extended hub on female connection
  Benefit - *Faster boom assembly and disassembly*

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 Japa (under license)

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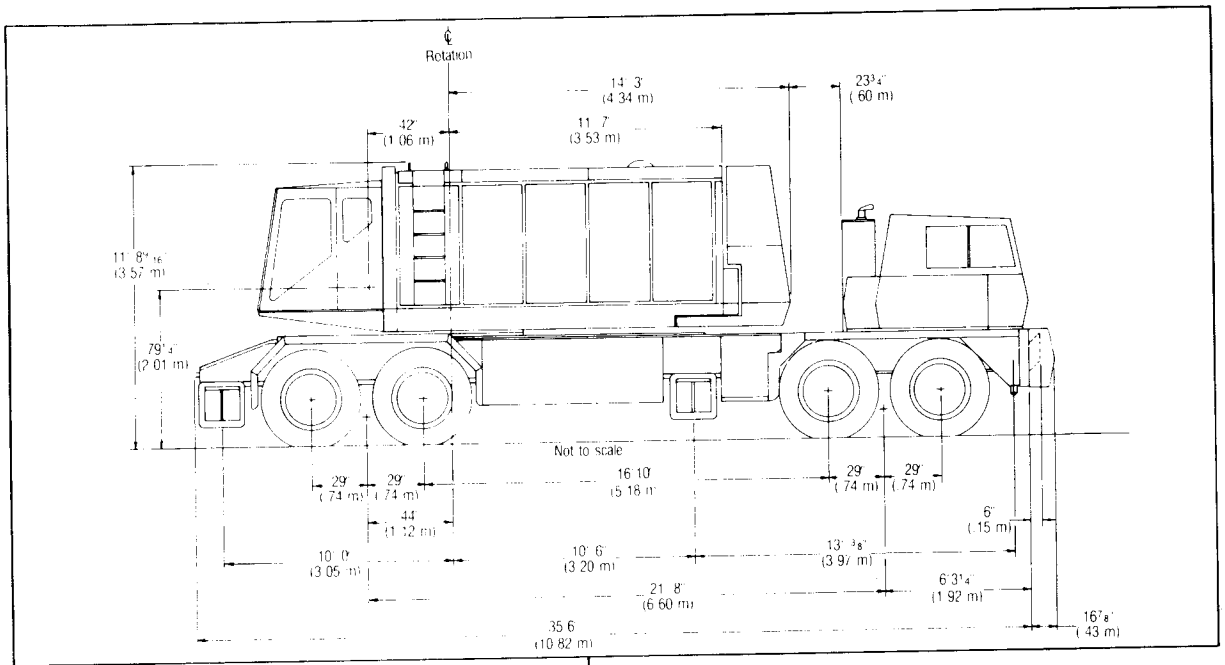
FMC

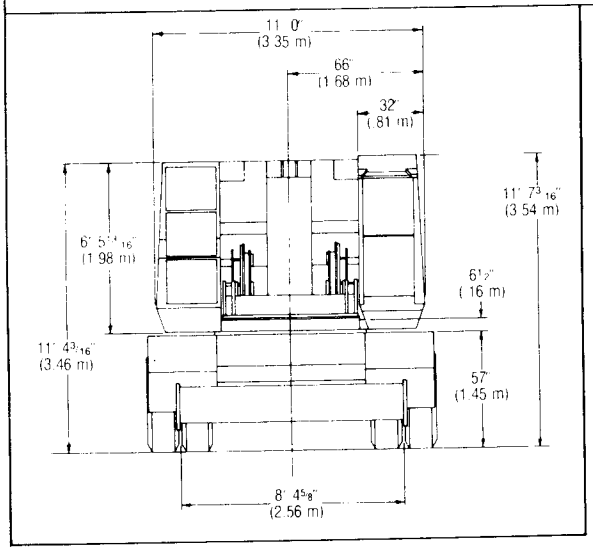
General Specifications

Link-Belt® 100-ton (90.70 metric ton)

Wire rope truck crane

HC-218A





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General dimensions	Feet	meters
Overall width, outriggers extended, (over floats)	— 22' 6"	— 6.86
Overall width, outriggers extended, (centerline of jacks)	— 20' 0"	— 6.10
Overall width, outriggers retracted, (floats removed)	— 11' 0"	— 3.35
Minimum ground clearance	8½"	.21
Ground clearance under upper counterweight with machine on tires	— — 58⅜"	— — 1.48
Counterweight tailswing, across corners of counterweight	— 15' 3¼"	— 4.65
Upper cab overall width	11' 0"	3.35
Basic boom length — open throat — hammerhead — tapered tip	40' 0" 30' 0" 90' 0"	12.19 9.14 27.43
Radius of boomfoot pin	42"	1.07
Height of boomfoot pin	79¼"	2.02

General dimensions	Feet	meters
Overall length with basic length boom in travel position over rear of carrier with bumper counterweight — open throat boom — hammerhead boom — tapered tip boom	— — — 71' 1" 59' 10⅛" See note	— — — 21.67 18.24
Overall length with basic length boom in travel position over front of carrier — open throat boom — hammerhead boom — tapered tip boom	— — 59' 3½" 48' 2" See note	— — 18.07 14.68
Height over boom live mast with basic length boom in travel position over rear of carrier — open throat boom — hammerhead boom — tapered tip boom	— — — 11' 10" 11' 8½" See note	— — — 3.61 3.57
Height over boom live mast with basic length boom in travel position over front of carrier — open throat boom — hammerhead boom — tapered tip boom	— — — 14' 8" 14' 6" See note	— — — 4.47 4.42

Note: Boom with tapered tip top section cannot be traveled over the road.

Axle loadings — approximate

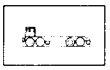
Based on HC-218A crane upper equipped with 21,000# (9 526 kg) counterweight "A", boom lowering planetary, rear drum load lowering clutch, GM 6-71N diesel with single stage torque converter*; mounted on FMC 8x4, 11' 0" (3.35 m) wide, 260" (6.60 m) wheelbase carrier with GM 6V92-TA diesel, 14.00x24 J (18-ply rating) transport type tires, hydraulic outriggers front and rear, 4 floats in storage racks, fenders, and 13,500# (6 124 kg) front bumper counterweight.

	Basic machine gross weight			Upper facing front				Upper facing rear			
				Front		Rear		Front		Rear	
	**	Lbs.	kg	Lbs.	kg	Lbs.	kg	Lbs.	kg	Lbs.	kg
	A	56,630	25 687	− 9,580	− 4 346	66,210	30 033	28,750	13 041	27,880	12 646
	B	62,130	28 182	+ 37,650	+ 17 078	24,480	11 104	37,650	17 078	24,480	11 104
	C	118,760	53 870	+ 28,070	+ 12 733	90,690	41 137	66,400	30 119	52,360	23 751
	Component weights			Front		Rear		Front		Rear	
Adjust axle loadings accordingly for the following components:	Lbs.		kg	Lbs.	kg	Lbs.	kg	Lbs.	kg	Lbs.	kg
Upper machinery —											
Boom lowering clutch (high speed)	+ 400	+	181	− 50	23	+ 450	+ 204	+ 180	+ 81	− 220	+ 100
Boomhoist wire rope — 530' (161.54 m), ¾" (19.05 mm) diameter, Type "T"	− 550	−	249	70	32	+ 620	+ 281	− 250	+ 113	+ 300	+ 136
Front drum load lowering clutch	+ 400	+	181	+ 40	+ 18	− 360	+ 163	+ 90	+ 40	+ 310	+ 141
Front drum planetary — load hoist	+ 450	+	204	+ 50	+ 23	+ 400	+ 181	− 100	+ 45	+ 350	+ 159
Front drum planetary — load lowering	+ 450	+	204	− 50	− 23	+ 400	+ 181	− 100	+ 45	+ 350	+ 159
Front drum wire rope — 890' (271.27 m), ⅞" (22.23 mm) diameter, Type "N"	+ 1,260	+	572	+ 140	+ 64	+ 1,120	+ 508	+ 290	+ 132	+ 970	+ 440
Rear drum planetary — load hoist	+ 450	+	204	− 10	− 5	+ 460	+ 209	− 160	+ 73	+ 290	+ 131
Rear drum planetary — load lowering	+ 450	+	204	10	5	+ 460	+ 209	− 160	+ 73	+ 290	+ 131
Rear drum wire rope — 890' (271.27 m), ⅞" (22.23 mm) diameter, Type "N"	+ 1,260	+	572	30	13	+ 1,290	+ 585	+ 460	+ 209	+ 800	+ 363
Third drum (with front drum lowering clutch and gear to power third drum)	− 2,100	−	953	+ 410	+ 186	+ 1,690	+ 767	+ 300	+ 136	+ 1,800	+ 817
Third drum — as above, but with third drum load lowering clutch	+ 400	+	181	+ 90	+ 40	+ 310	+ 141	− 50	+ 22	+ 350	+ 159
Third drum wire rope — 505' (153.92 m), ¾" (19.05 mm) diameter, Type "N"	+ 530	+	240	− 110	− 50	+ 420	+ 191	+ 70	+ 32	+ 460	+ 209
Upper counterweight "A"	− 21,000	−	9 526	+ 9,170	+ 4 159	30,170	13 685	16,280	7 385	− 4,720	− 2 141
Upper counterweight "B"	− 12,000	−	5 443	5,240	2 377	+ 17,240	+ 7 820	+ 9,300	+ 4 218	− 2,700	+ 1 225
Optional Cummins N855-P220 diesel with three-stage torque converter	+ 1,060	+	481	− 300	136	+ 1,360	+ 617	+ 660	+ 299	+ 400	+ 181
Crane booms and auxiliary equipment —											
40' (12.19 m) basic open throat boom with accessories	+ 5,200	+	2 359	+ 8,330	+ 3 779	3,130	1 420	6,570	2 980	+ 11,770	+ 5 339
20' (6.10 m) open throat boom top section only	− 3,380		1 533	6,670	3 066	+ 3,380	+ 1 737	+ 5,610	+ 2 545	8,990	4 078
30' (9.14 m) basic hammerhead boom with accessories	− 4,730	−	2 146	− 6,140	− 2 785	1,410	639	4,540	2 059	+ 9,270	+ 4 205
5' (1.52 m) hammerhead boom top section only											
Boom stops	+ 770	+	349	+ 230	− 104	+ 540	+ 245	− 40	+ 18	+ 730	331
Boom live mast (extended and horizontal), bridle and spreader bar	+ 3,600	+	1 633	+ 3,860	+ 1 751	260	118	2,640	1 198	+ 6,240	+ 2 831
Carrier —											
Front outrigger box, beams and jacks	5,100	−	2 313	− 3,220	− 1 460	1,880	853	3,220	1 460	1,880	853
Rear outrigger box, beams and jacks	5,100	−	2 313	+ 1,490	+ 676	− 6,590	− 2 989	+ 1,490	+ 676	− 6,590	− 2 989
Front and rear outrigger floats (4)	− 500		227	140	64	360	163	− 140	64	360	163
Front center hydraulic jack	− 130	+	59	+ 170	+ 77	− 40	18	+ 170	+ 77	40	18
Front center hydraulic jack float (1)	− 130	+	59	− 60	− 27	+ 70	32	− 60	+ 27	− 70	− 32
Bumper counterweight "A"	− 13,500	−	6 124	− 17,780	− 8 065	+ 4,280	+ 1 941	− 17,780	− 8 065	+ 4,280	+ 1 941
Optional Cummins NTC-290 diesel	+ 740	+	336	+ 800	+ 363	− 60	− 27	+ 800	+ 363	60	27
Optional 14.00x24L (20-ply rating) HCT highway type tires	− 970	+	440	+ 320	+ 145	+ 650	+ 295	+ 320	− 145	+ 650	+ 295
Optional 14.00x24 J (18-ply rating) Goodyear SRL-1 tires	+ 1,330	+	603	+ 440	+ 200	− 890	+ 403	+ 440	− 200	− 890	+ 403

*GM6-71N diesel with three-stage converter — weight approximately same as GM 6-71N with single stage converter.
**A — upper, B — carrier, C — total weight of upper and carrier.

General specifications

Carrier —



Type —

FMC; 8 x 4 drive, 260" (6.60 m) wheelbase, 11'0" (3.35 m) wide.

Frame — Main members heat treated alloy steel; machined surface for mounting outer race of turntable bearing.

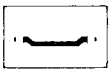
Turntable bearing —

Outer race, with integral external tooth swing (ring) gear, bolted to machined surface on carrier deck.

Bumper counterweight —

Mounts on front bumper counterweight hooks; easily removable. Refer to lifting capacity charts for counterweight requirements.

Bumper counterweight "A" – 13,500# (6 124 kg).

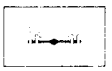


Front axles —

Shuler FTCA-34L; bogie beam mounted tandem axles, single wheels. Track—104" (2.64 m).

Bogie –

Hendrickson; rubber mounted equalizer beams, rubber bushed torque rods.



Rear axles —

Clark Planetary BD-65200, bogie mounted tandem axles, dual wheels. Track — 100-5/8" (2.56 m).

Bogie –

Hendrickson; bronze bushed equalizer beams, rubber bushed torque rods.

Tag axle — Optional, Transport Trailer, equipped with air brakes, 10:00 x 20F (12-ply rating) dual tires.

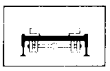
Wheels and rims — Front; cast spoke type. Rear; integral with planetary hubs.

Tires —

Single tires front; dual tires rear.

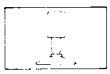
Standard – 14:00 x 24J (18-ply rating), transport type tread.

Optional – 14:00 x 24L (20-ply rating). General HCT Nygen; 14:00 x 24J (18-ply rating) Goodyear SRL-1.



Outriggers —

Full width, double box, front and rear; pin connected to carrier frame. Hydraulically operated beams and jack cylinders individually controlled from each side of carrier. Hydraulic power supplied by PTO-driven hydraulic pump. Check valve at each jack cylinder. Optional — outrigger beam/jack controls in crane upper cab.



Front center hydraulic jack —

Optional; jack with float available — **required** for handling 360° swing rated capacities.

Floats – Low profile, alloy steel, lightweight; 30" (.76 m) square base.

Trailer hitch — Optional; includes air and electric connections at rear of carrier for trailer lights and air brakes.

Brakes — 8-wheel air brakes.

Service – Dual diaphragm air chambers on four rear wheels, single diaphragm air chambers on four front wheels.

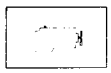
Size and area – Rear wheels, 20" x 7" (.51 x .18 m); total effective lining area, 574 square inches (3 073 cm²) per axle. Front wheels; 17¼" x 4" (.44 x .10 m); total effective lining area, 248 square inches (1 601 cm²) per axle.

Parking – Brakes on four rear wheels applied and air chamber push rods automatically and mechanically locked with air control valve on dash.

Emergency – Bendix-Westinghouse DD-3 air brakes on four rear wheels apply and mechanically lock automatically if air pressure drops to 40 p.s.i. (275.80 kPa) in system. Emergency brake may be manually applied any time by hand control of dash-mounted air control valve.

Steering —

Power hydraulic assist. Ross HPS70; 18" (.46 m) diameter steering wheel.



Engines —

Diesel; 12-volt alternator, starter, pressure lubrication, hydraulic pump, dry type air cleaner, and 14.5 c.f.m. (.41 m³/min) air compressor.

Standard – GM 6V-92TA diesel, 6 cylinder, 2 cycle, 4.84" (.12 m) bore, 5" (.13 m) stroke, 552 cu. in. (9 047 cm³) displacement, 318 brake horsepower at 2,100 r.p.m. governed load speed. Peak torque 914 ft. lbs. (126.41 kgm) at 1,400 r.p.m. Electric shutdown.

Optional – Cummins NTC-290 diesel, 6 cylinder, 4 cycle, 5½" (.14 m) bore, 6" (.15 m) stroke, 855 cu. in. (14 013 cm³) displacement, 290 brake horsepower at 2,100 r.p.m. governed load speed. Peak torque 930 ft. lbs. (128.62 kgm) at 1,300 r.p.m. Electric shutdown.

Clutch — Lipe-Rollway, 14" (.36 m), 2-plate, dry disc.

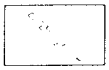
Transmissions —

Main – Eaton RTO-915; 15 speeds forward, 3 reverse.

Auxiliary – Eaton AT-1202; 2-speed, midship mounting.

Universals — Mechanics type drive tubes; needle bearings.

Cab — One-man, offset, fully enclosed. Rubber suspension mounted bucket seat with seat belt. Noise absorbing insulation with vinyl covering, sound reduction headliner, carpet floor mat; isolated from engine compartment, rubber mounted for sound level reduction. Instrument panel and dash includes speedometer, odometer, voltmeter, and gauges for fuel, engine temperature, air and oil pressures. Low air pressure warning buzzer, key locking switch, pushbutton starter, throttle control, tachometer, fire extinguisher, heater and defroster, 2-speed electric windshield wiper, and windshield washer.



Electrical system —

12-volt; including dual sealed beam headlights, directional signals with 4-way flashing system, stop and tail lights, clearance lights, horn, lighting of instrument panel, dome light, headlight dimmer switch, and two 12-volt, 225 ampere hour batteries. Individual switches provide circuit control for hydraulic outrigger solenoid valves; one control station on each side of carrier.

Standard auxiliary equipment — West Coast rear view mirrors, boom guide, lug wrench, 2-way reading bubble levels at 4 positions on carrier frame, tire gauge and tire inflation hose. High pressure lube fittings at all bearing points. Two 45 gallon (170.31 liter) capacity fuel tanks, hand grab rails, carrier deck access ladder, back-up alarm, skid-resistant finish on carrier deck.

Carrier speeds —

Based on GM 6V-92TA or Cummins NTC-290 engines running at 2,100 r.p.m. governed full load speed.						
Gear		Main-Eaton RTD-915	Auxiliary — Eaton AT-1202			
			1.00:1.00		2.036:1.00	
			M.p.h.	km/hr	M.p.h.	km/hr
High	10th	.81	43.6	70.15	21.4	34.43
	9th	1.00	35.3	56.80	17.4	28.00
	8th	1.26	28.0	45.05	13.8	22.20
	7th	1.59	22.2	35.72	10.9	17.54
	6th	2.04	17.3	27.84	8.5	13.68
	Reverse	2.21	16.0	25.74	7.9	12.71
Low	5th	2.59	13.6	21.88	6.7	10.78
	4th	3.20	11.0	17.70	5.4	8.69
	3rd	4.04	8.7	14.00	4.3	6.92
	2nd	5.10	6.9	11.10	3.4	5.47
	1st	6.51	5.4	8.69	2.6	4.18
	Reverse	7.06	5.0	8.05	2.5	4.02
Deep Reduction	5th	3.87	9.1	14.64	4.5	7.24
	4th	4.78	7.4	11.91	3.6	5.79
	3rd	6.03	5.9	9.49	2.9	4.67
	2nd	7.62	4.6	7.40	2.3	3.70
	1st	9.73	3.6	5.79	1.8	2.90
	Reverse	10.55	3.3	5.31	1.6	2.57

Creep speed in deep reduction low (1st), based on GM 6V-92TA peak engine torque of 1,400 r.p.m. — 1.2 m.p.h. (1.93 km/hr.); based on Cummins NTC-290 peak engine torque of 1,300 r.p.m. — 1.1 m.p.h. (1.77 km/hr.)
Note: Rear axle ratio — 8.667 to 1.0.

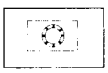
Turning ability —

Turning circle diameter	Curb clearance circle diameter	Vehicle clearance circle diameter	
Centerline of outer front tire	Outside of outer front tire	Over outside of front bumper	Over outside of front bumper counterweight "A"
111' 0" (33.83 m)	112' 0" (34.14 m)	117' 0" (35.66 m)	118' 0" (35.97 m)

Revolving upperstructure —

Frame —

All welded, stress relieved, precision machined; machinery side housings welded integral with frame.



Turntable bearing —

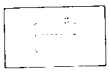
Inner race of bearing bolted to machined surface on underneath side of frame.

Engines —

Diesel; full pressure lubrication, oil filter, air cleaner, hour meter, foot and optional hand throttles. Manual control shutdown cable for GM engine, electrical shutdown for Cummins engine.

Engine specifications	GM 6-71N with single stage torque converter ①	GM 6-71N with three stage torque converter ②	Cummins N855-P220 with three stage torque converter ②
Number cylinders Bore and stroke Piston displacement (cu. in.)	6 4¼" x 5" (.108 x .13 mm) 425.6 (6 975.6 cm³)	6 4¼" x 5" (.108 x .13 mm) 425.6 (6 975.6 cm³)	6 5⅛" x 6" (.13 x .152 m) 855 (14 013.5 cm³)
High idle speed r.p.m. Engine r.p.m. at full load speed	1950 — 1800	1940 — 1800	1980 — 1800
Net engine horsepower at full load speed Peak torque (foot pounds) Peak torque r.p.m.	— 165 1,400 (1898 joule) Output shaft stall	— 165 2,360 (3200 joule) Output shaft stall	— 168 2,402 (3257 joule) Output shaft stall
Electrical system Batteries	12-volt One/12-volt	12-volt One/12-volt	12-volt Two/12-volt
Clutch or power take-off	Disconnect between engine and converter	Disconnect between engine and converter	Disconnect between engine and converter
Transmission — Number chain wheel teeth Number engine pinion teeth	— 161 28	— 161 28	— 161 28

① Allison #TCDO 475 torque converter
② Twin Disc #CO-10066 TCI torque converter



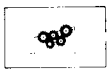
Fuel tank —

75-gallon (284 liters) capacity fuel tank equipped with fuel gauge and fill pipe with flame arrester unit.

Power train —

Transmission —

Quadruple roller chain enclosed in oil tight chain case with integral lubrication system.



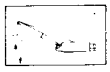
Machinery gear train —

"Full Function" design, two-directional power available to all operating shafts; shafts mounted on anti-friction bearings in precision bored machinery side housings. All load hoist, swing, and boomhoist functions independent of one another. Components such as gears, pinions, chain wheels, brake drums and clutch spiders involute splined to shafts. Drum gear/clutch drum assemblies bolted together and mounted on shafts on anti-friction bearings. Machine-cut teeth on drum gears, pinions, spur gears, and chain wheel. Chain wheel and pinion fully enclosed and running in oil.

Principal operating functions —

Control system —

Speed-o-Matic® power hydraulic control system; a variable pressure system requiring no bleeding. Operating pressure transmitted through oil to all 2-shoe clutch cylinders, and other hydraulic cylinders as required. System includes constant displacement, engine driven, vane type hydraulic pump to provide constant flow of o.l, accumulator to maintain system operating pressure, unloader valve to control pressure in accumulator, relief valve to protect pressure buildup in system, full-flow filter with 40 micron disposable filter element, and variable pressure control valves to control drum clutches.



Load hoisting and lowering —

Wire rope drum gear train (front and rear main, and optional third, operating drums) powered by chain transmission from engine. Tandem design drums.

Load hoist drums —

Front and rear main operating drums – One-piece, 17¼" (.44 m) root diameter smooth drums; involute splined to shafts. Extended length shafts permit installation of power load lowering clutches; special length shaft required for, and furnished with, optional planetary drive units for either or both drums.

Third operating drum – Optional; mounts forward of front main operating drum. One-piece, 11¼" (.29 m) root diameter smooth drum; involute splined to shaft. Note: Installation of optional third operating drum includes required installation of power load lowering clutch/gear unit on front main operating drum shaft.

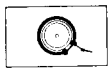
Drum clutches –

Speed-o-Matic power hydraulic 2-shoe clutches. Internal expanding, lined aluminum alloy shoes; clutch spiders splined to shafts, clutch drums bolted to drum spur gears and mounted on shafts on anti-friction bearings. Front, rear, and optional third, main operating drum clutches, swing clutches, and boom hoist clutch are fully interchangeable.

Load hoist clutches – Front and rear main, and optional third, operating drums — 20" (.51 m) diameter, 5" (.13 m) face width.

Load lowering clutches – Standard on rear main drum; optional on front main, and optional third, operating drums. Clutches 20" (.51 m) diameter, 5" (.13 m) face width.

Drum planetary drive units — Optional; available for load hoist or lowering on either or both front and rear main operating drums. Planetary units mount (on extended drum shafts) between drum spur gears and 2-shoe clutch drums. Available for **either** increase **or** decrease of standard load hoist or lowering line speeds — choice of increased or decreased line speeds predetermined by customer at time of order. Two-shoe clutches control standard line speeds. Planetary drive units controlled by external contracting band brakes through push button located on appropriate control lever.



Drum brakes –

Two-piece, external contracting band; mechanically foot pedal operated. Foot pedals equipped with latch to permit locking brakes in applied position.

Front and rear main drums – brakes 34" (.86 m) diameter, 5" (.13 m) face width.

Optional third drum – brake 28" (.71 m) diameter, 5" (.13 m) face width.

Drum rotation indicators –

Standard for front and rear main operating drums. Two solenoid operated indicator buttons, recessed in drum clutch control lever handles; one button pulsates when rope drums rotate in one direction, the other button pulsates when drums rotate in opposite direction. Operator can adjust pulsations to determine either rope speed off drum or hook block speed based on specific number of parts of load hoist rope.

Swing system —

Spur gear driven; single bevel gears (enclosed and running in oil) on horizontal and vertical swing shafts. Swing pinion, involute splined to vertical swing shaft, meshes with external teeth of swing gear integral with outer race of turntable bearing.

Swing clutches –

20" (.51 m) diameter, 5" (.13 m) face width; aluminum alloy shoes.

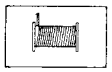
Swing brake – External contracting band; spring applied, hydraulically released by operator controlled lever. Brake drum involute splined to vertical swing shaft; brake 20" (.51 m) diameter, 3¼" (82.6 mm) face width.

Swing lock – Mechanically controlled pawl engages external teeth of turntable bearing swing (ring) gear.

Maximum swing speed – 3.0 r.p.m.

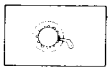
Boom hoist/ lowering system —

Independent, spur gear driven. Precision control — hoisting through power hydraulic 2-shoe clutch; lowering through low speed planetary drive unit.



Boomhoist drum —

12¼" (.31 m) root diameter, smooth; involute splined to shaft.



Boomhoist drum locking pawl –

Operator controlled; spring applied, mechanically released.

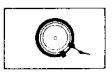
Boom hoist clutch –

20" (.51 m) diameter, 5" (.13 m) face width.

Boom lowering planetary – Mounts on outer end of shaft; planetary external contracting band brake hydraulically controlled by boom hoist/lowering control lever.

Boom lowering clutch –

Optional; in addition to planetary boom lowering. Two-shoe clutch permits higher speed boom lowering mounted on shaft outside planetary unit, clutch drum bolted to outer face of planetary housing. Clutch power hydraulically controlled by depressing solenoid push button located on boom hoist/lowering control lever.



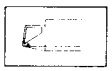
Boom hoist/lowering brake –

External contracting band; spring applied, hydraulically released as hoist clutch or lowering planetary are engaged. Brake drum involute splined to shaft; brake 28" (.71 m) diameter, 5" (.13 m) face width.

Boomhoist limiting device – Provided to restrict hoisting boom beyond recommended minimum radius; located on exterior right-hand side of operator's cab.

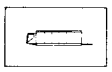
Electrical system —

Battery, 12-volt, 225 ampere hour, either one or two batteries depending on engine. *Optional* — battery lighting system, including two sealed beam automotive type adjustable headlights located on cab front roof, one interior cab light and automotive type wiring. *Optional* — additional 50 watt sealed beam automotive type headlight mounted on boom. (Three maximum quantity recommended.) *Optional* — Onan independent light plant with single cylinder four cycle, air cooled diesel engine with remote electric starting, 3,000 watt, 120-volt, single-phase, 60 cycles A.C. including wiring in conduit, three interior cablights, trouble lamp with cord and two 300 watt adjustable floodlights on cab front roof. *Optional* — additional 300 watt floodlights available for mounting on cab and boom.



Operator's cab —

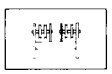
Environmental cab, modular type isolated from upper machinery cab. Tinted tempered glass panels in all windows, hand grab rail, adjustable, cushioned seat with head rest, arm rests on control consoles, dry chemical fire extinguisher. Cab heater/defroster and windshield wiper optional.



Machinery cab —

Equipped with warning horn, hinged doors on two sides, rear, and top. Removable panels for machinery access, roof-top access ladder, and skid resistant finish on roof.

Gantry — low type, mounted at top rear of machinery side housings supports boom suspension system.



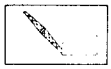
Gantry bail –

Contains eight 12" (.30 m) root diameter sheaves, mounted on anti-friction bearings for 16-part boomhoist wire rope reeving.

Counterweight —

"A" counterweight — 21,000# (9 526 kg); "B" counterweight — 12,000# (5 443 kg). (Refer counterweight requirement instructions with lifting capacity chart.)

Booms and jibs



Boom —

Tubular; basic boom two-piece 40' (12.19 m) long with open throat, three-piece 30' (9.14 m) long with hammerhead, and 90' (27.43 m) long with tapered tip top sections. Boom 60" (1.52 m) wide, 50" (1.27 m) deep at centerline of connections. Alloy steel, round tubular chords 3" (76.20 mm) outside diameter on 60" (1.52 m) centers.

Base section – 20' (6.10 m) long. Boom feet 2½" (63.5 mm) thick on 60" (1.52 m) centers.

Boom extensions – one of two types required. Type "H" **must be used** for first 60' (1.52 m) of extensions beyond base section — available in 10' (3.05 m), 20' (6.10 m) and 30' (9.14 m) lengths. Type "F" **must be used** at point 80' (24.38 m) from boom feet and beyond — available in 10' (3.05 m), 15' (4.57 m), 20' (6.10 m), 30' (9.14 m) and 40' (12.19 m) lengths. Extended hub on female connections serves as anchor for link used to attach jib staylines, boom suspension pendants for boom assembly, and boom midpoint suspension pendants.

Boom connections – In-line, tapered pins.

Boom folding section – Available for folding boom with open throat top section only; 10' (3.05 m) long. Includes lifting hubs for boom folding shaft; construction similar to type "H" boom extension.

Boom top section – Open throat; 20' (6.10 m) long.

– *Boompoint machinery.* Five 21" (.53 m) root diameter head sheaves mounted on anti-friction bearings.

Boom top section – Hammerhead; 5' (1.52 m) long; requires use also of 5' (1.52 m) long tapered extension immediately below the hammerhead top section.

— Tapered extension. 5' (1.52 m) long; tapered from 60" (1.52 m) wide, 50" (1.27 m) deep to 54" (1.37 m) wide, 44" (1.12 m) deep at centerline of connections. (For use with hammerhead boomtop section only).

– *Boompoint machinery.* Five head sheaves (seven available for International) plus one or two (optional) idler sheaves to guide load hoist wire rope on to head sheaves. All sheaves 18½" (.47 m) root diameter, mounted on anti-friction bearings.

Boom top section – Tapered tip; 40′ (12.19 m) long, tapered from 60″ (1.52 m) wide, 50″ (1.27 m) deep at lower end to 32″ (.81 m) wide 12¾″ (.32 m) deep at top end. Requires use of 30′ (9.14 m) of **type "H"** extensions immediately below the tapered tip top section to obtain basic 90′ (27.43 m) length boom.

— Pendant spreader bar. Prevents jib back stayline interference with boom suspension pendants. Required for tapered tip booms 150′ (45.72 m) through 210′ (64.01 m) long when equipped **with** jib. Optional for use with tapered tip booms 150′ (45.72 m) through 230′ (70.10 m) long **without** jib. Spreader bar **must not** be used with tapered tip booms 90′ (27.43 m) through 140′ (42.67 m) with or without jib.

– *Boompoint machinery.* Two 25″ root diameter head sheaves, mounted on antifriction bearings.

Jib —

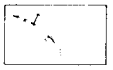
Tubular; basic jib two-piece 30′ (9.14 m) long; 32″ (.81 m) wide, 24″ (.61 m) deep at connections. Alloy steel tubular chords 2″ (50.80 mm) outside diameter.

Base section – 15′0″ (4.57 m) long.

Jib extensions – Available in 15′ (4.57 m) length with appropriate length pendants. Maximum boom/jib lengths permitted — open throat boom: 200′ (60.96 m) boom plus 60′ (18.29 m) jib — hammerhead boom; 200′ (60.96 m) boom plus 60′ (18.29 m) jib — tapered tip boom; 210′ (64.01 m) boom plus 60′ (18.29 m) jib.

Connections – In-line, tapered pins.

Tip section – 15′0″ (4.57 m) long; single peak sheave 15¼″ (.39 m) diameter, mounted on anti-friction bearings. Anchors at jib peak shaft for 2-part load hoist wire rope (whipline). Jib frontstay line anchors suspended from peak shaft.



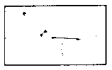
Jib mast –

12′1″ (3.69 m) high, mounted on jib base section. Two deflector sheaves mounted within mast to guide whipline; mounted on anti-friction bearings. Two equalizer sheaves mounted on top of mast — one for jib frontstay line, one for jib backstay line.

– *Jib staylines.* Front and rear staylines vary in length depending on degree of jib offset from boom centerline; back staylines attached at bottom end of boom top section on open throat and tapered tip booms, and at a point 20′ (6.10 m) or 30′ (9.14 m) below peak of hammerhead top section.

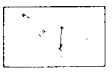
– *Jib stops.* Telescoping type; pinned from jib mast to boom top section and from jib mast to jib base section.

Items applicable to all booms and jibs —



Boom stops —

Dual lever-type; pinned to low gantry head shaft and top of boom base section; spring-loaded bumper ends.

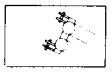


Boom live mast —

Supports boomhoist bridle, boom pendants, and boom midpoint suspension pendants. Hydraulically extends to maximum 24′0″ (7.32 m) — required operating position for **all** capacities when using booms with open throat and tapered tip top sections, and for all hammerhead boom capacities with exception of 30′ (9.14 m) long hammerhead boom. Mechanically retracts to minimum 20′6″ (6.25 m) height — required operating position for **maximum** capacity when using basic 30′ (9.14 m) boom with hammerhead top section, and to reduce overall height for travel.

Note: Boom live mast, in extended 24′0″ (7.32 m) height, may be used as short boom in machine/boom assembly or dismantling, but is not intended for general crane service. Refer to lifting crane capacity chart for boom live mast lifting capacities.

– *Mast stops.* Incorporated with boom stops; manually positioned when using live mast as short boom.



Boomhoist bridle and spreader bar —

Serves as connection for boom suspension system. Bridle contains eight 12″ (.30 m) root diameter sheaves, mounted on anti-friction bearings, for 16-part boomhoist wire rope reeving. Bracket attached to bridle contains two 15⅞″ (.40 m) root diameter, bronze bushed sheaves, to permit reeving wire rope suspension for use of boom live mast as short boom. Spreader bar provides attachment point for boom main pendants and boom midpoint suspension pendants.

Boom angle indicator —

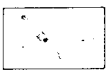
Pendulum type; mounted on boom base section.

Deflector rollers — Deflect load hoist wire rope off boom to avoid chafing; steel rollers mounted on anti-friction bearings. One roller furnished with each boom extension, two with open throat boom top section and three with tapered tip boom top section.

Boom pendants — Standard; furnished for basic boom lengths plus appropriate length pendants with each boom extension.

Boom midpoint suspension pendants — Assist in lifting long booms off ground. Required for all boom lengths exceeding 150′ (45.72 m); pendants must connect on boom at point 80′ (24.38 m) from boom feet.

Auxiliary equipment —



Tagline —

Optional. Spring wound drum type, mounted on crane boom. Rud-O-Matic® model 648, single barrel; cable pull off drum, 60′ (18.29 m) to 75′ (22.76 m) from neutral.

Load hoist wire ropes — Main load hoist wire rope standard, jib load hoist wire rope (whipline) furnished with machine **only** if jib is ordered.

Hook blocks — Blocks, or weighted ball with swivel hook, optional — refer to price list.

Link-Belt® HC-218A Performance Specifications

Boom live mast — lifting capacities when used as short boom①

Extended mast only		Upper without counterweight				Upper with "A" or "AB" counterweight	
Load radius		On tires		On outriggers		On outriggers only	
Feet	*meters*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*
10′ to 14′	*3.05 to 4.27*	33,000	*14 969*	33,000	*14 969*	33,000	*14 969*
14′ to 25′	*4.27 to 8.23*	13,500	*6 123*	33,000	*14 969*	33,000	*14 969*

①Boom live mast must be fixed in extended 24′ *(7.32 m)* long position when used as short boom. Use of live mast as short boom is intended for machine assembly or disassembly only. It should not be used for general crane service. Lifting maximum 33,000 lbs. *(14 969 kg)* capacity requires 3-parts 7/8″ *(22 mm)* diameter Type "N" wire rope.

Wire rope and rope drum data

Main load hoist wire rope length — for tubular booms using 7/8″ *(22 mm)* diameter wire rope①②③

Parts of line	Boom length															
	30′ *(9.14 m)*④		40′ *(12.19 m)*		50′ *(15.24 m)*		60′ *(18.29 m)*		70′ *(21.34 m)*		80′ *(24.38 m)*		90′ *(27.43 m)*		100′ *(30.48 m)*	
	Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*
1	85	*25.96*	125	*38.10*	145	*44.20*	165	*50.29*	185	*56.39*	205	*62.48*	225	*68.58*	245	*74.68*
2	120	*36.58*	170	*51.82*	200	*60.96*	230	*70.10*	260	*79.25*	290	*88.39*	320	*97.54*	350	*106.68*
3	155	*47.24*	215	*65.53*	255	*77.72*	295	*89.92*	335	*102.11*	375	*114.30*	415	*126.49*	455	*138.68*
4	190	*57.91*	260	*79.25*	310	*94.49*	360	*109.73*	410	*124.97*	460	*140.21*	510	*155.45*	560	*170.69*
5	225	*68.58*	305	*92.96*	365	*111.25*	425	*129.54*	485	*147.83*	545	*166.12*	605	*184.40*	665	*202.69*
6	260	*79.25*	350	*106.68*	420	*128.02*	490	*149.35*	560	*170.69*	630	*192.02*	700	*213.36*	770	*234.70*
7	295	*89.92*	395	*120.40*	475	*144.78*	555	*169.16*	635	*193.55*	715	*217.93*	795	*242.32*	875	*266.70*
8	330	*100.58*	440	*134.11*	530	*161.54*	620	*188.98*	710	*216.41*	800	*243.84*	890	*271.27*		
9	365	*111.25*	485	*147.83*	585	*178.31*	685	*208.79*	785	*239.27*	885	*269.75*				
10	400	*121.92*	530	*161.54*	640	*195.07*	750	*228.60*	860	*262.13*						

Parts of line	Boom length															
	110′ *(33.53 m)*		120′ *(36.58 m)*		130′ *(39.62 m)*		140′ *(42.67 m)*		150′ *(45.72 m)*		160′ *(48.77 m)*		170′ *(51.82 m)*		180′ *(54.86 m)*	
	Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*
1	265	*80.77*	285	*86.87*	305	*92.96*	325	*99.06*	345	*105.16*	365	*111.25*	385	*117.35*	405	*123.44*
2	380	*115.82*	410	*124.97*	440	*134.11*	470	*143.26*	500	*152.40*	530	*161.54*	560	*170.69*	590	*179.83*
3	495	*150.88*	535	*163.07*	575	*175.26*	615	*187.45*	655	*199.64*	695	*211.84*	735	*224.03*	775	*236.22*
4	610	*185.93*	660	*201.17*	710	*216.41*	760	*231.65*	810	*246.89*	860	*262.13*				
5	725	*220.98*	785	*239.27*	845	*257.56*										
6	840	*256.03*														

Parts of line	Boom length									
	190′ *(57.91 m)*		200′ *(60.96 m)*		210′ *(64.01 m)*		220′ *(67.06 m)*		230′ *(70.10 m)*	
	Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*
1	425	*129.54*	445	*135.64*	465	*141.73*	485	*147.83*	505	*153.92*
2	620	*188.98*	650	*198.12*	680	*207.26*	710	*216.41*	740	*225.55*
3	815	*248.41*	855	*260.60*						

①Hammerhead boom lengths: 30′ to 230′ *(9.14 to 70.10 m)*.
②Open throat boom lengths: 40′ to 230′ *(12.19 to 70.10 m)*.
③Tapered boom lengths: 90′ to 230′ *(27.43 to 70.10 m)*.
④Hammerhead boom only.

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HC-218A performance specifications

Wire rope and rope drum data — (continued)

Jib load hoist rope lengths (whipline) — using 3/4" *(19 mm)* diameter wire rope.

Jib length	Parts of line	Boom length 40' *(12.19 m)*		50' *(15.24 m)*		60' *(18.29 m)*		70' *(21.34 m)*		80' *(24.38 m)*		90' *(27.43 m)*		100' *(30.48 m)*		110' *(33.53 m)*	
		Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*
30' *(9.14 m)*	1	185	*56.39*	205	*62.48*	225	*68.58*	245	*74.68*	265	*80.77*	285	*86.87*	305	*92.96*	325	*99.06*
	2	260	*79.25*	290	*88.39*	320	*97.54*	350	*106.68*	380	*115.82*	410	*124.97*	440	*134.11*	470	*143.26*
45' *(13.72 m)*	1	215	*65.53*	235	*71.63*	255	*77.72*	275	*83.82*	295	*89.92*	315	*96.01*	335	*102.11*	355	*108.20*
	2	305	*92.96*	335	*102.11*	365	*111.25*	395	*120.40*	425	*129.54*	455	*138.68*	485	*147.83*	515	*156.97*
60' *(18.29 m)*	1	245	*74.68*	265	*80.77*	285	*86.87*	305	*92.96*	325	*99.06*	345	*105.16*	365	*111.25*	385	*117.35*
	2	350	*106.68*	380	*115.82*	410	*124.97*	440	*134.11*	470	*143.26*	500	*152.40*	530	*161.54*	560	*170.69*

Jib length	Parts of line	Boom length 120' *(36.58 m)*		130' *(39.62 m)*		140' *(42.67 m)*		150' *(45.72 m)*		160' *(48.77 m)*		170' *(51.82 m)*		180' *(54.86 m)*		190' *(57.91 m)*	
		Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*
30' *(9.14 m)*	1	345	*105.16*	365	*111.25*	385	*117.35*	405	*123.44*	425	*129.54*	445	*135.64*	465	*141.73*	485	*147.83*
	2	500	*152.40*	530	*161.54*	560	*170.69*	590	*179.83*	620	*188.98*	650	*198.12*	680	*207.26*	710	*216.41*
45' *(13.72 m)*	1	375	*114.30*	395	*120.40*	415	*126.49*	435	*132.59*	455	*138.68*	475	*144.78*	495	*150.88*	515	*156.97*
	2	545	*166.12*	575	*175.26*	605	*184.40*	635	*193.55*	665	*202.69*	695	*211.84*	725	*220.98*	755	*230.12*
60' *(18.29 m)*	1	405	*123.44*	425	*129.54*	445	*135.64*	465	*141.73*	485	*147.83*	505	*153.92*	525	*160.02*	545	*166.12*
	2	590	*179.83*	620	*188.98*	650	*198.12*	680	*207.26*	710	*216.41*	740	*225.55*	770	*234.70*	800	*243.84*

Jib length	Parts of line	Boom length 200' *(60.96 m)*		210' *(64.01 m)*	
		Feet	*meters*	Feet	*meters*
30' *(9.14 m)*	1	505	*153.92*	525	*160.02*
	2	740	*225.55*	770	*234.70*
45' *(13.72 m)*	1	535	*163.07*	555	*169.16*
	2	785	*239.27*	805	*245.36*
60' *(18.29 m)*	1	565	*172.21*	585	*178.31*
	2	830	*252.98*	860	*262.13*

Drum wire rope capacities

Wire rope layer	Front or rear drum — 17¼" *(0.50 m)* root diameter smooth lagging								Third or boomhoist drum — 11¼" *(0.29 m)* root diameter smooth lagging			
	3/4" *(19 mm)* wire rope				7/8" *(22 mm)* wire rope				3/4" *(19 mm)* wire rope			
	Rope per layer		Total wire rope		Rope per layer		Total wire rope		Rope per layer		Total wire rope	
	Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*
1	118	*35.97*	118	*35.97*	102	*31.09*	102	*31.09*	81	*24.69*	81	*24.69*
2	127	*38.71*	245	*74.68*	110	*33.53*	212	*64.62*	90	*27.43*	171	*51.12*
3	136	*41.45*	381	*116.13*	120	*36.58*	332	*101.19*	99	*30.18*	270	*82.30*
4	144	*43.89*	525	*160.02*	128	*39.01*	460	*140.21*	108	*32.92*	378	*115.21*
5	153	*46.63*	678	*206.65*	136	*41.45*	596	*181.66*	117	*35.65*	495	*150.88*
6	161	*49.07*	839	*255.73*	144	*43.89*	740	*225.55*				
7	169	*51.51*	1,008	*307.24*	152	*46.33*	892	*271.88*				

Rope size and type

Wire rope application	Size and type used
Boomhoist	3/4" *(19 mm)* diameter, Type "T"
Main load hoist	7/8" *(22 mm)* diameter, Type "N"
Jib load hoist (1-part)	3/4" *(19 mm)* diameter, Type "K"
Jib load hoist (2-part)	3/4" *(19 mm)* diameter, Type "N"
Third drum	3/4" *(19 mm)* diameter, Type "N"
Boom pendants	1 3/8" *(35 mm)* diameter, Type "N"
Boom midpoint suspension pendants	7/8" *(22 mm)* diameter, Type "N"
Jib frontstay line	3/4" *(19 mm)* diameter, Type "N"
Jib backstay line	3/4" *(19 mm)* diameter, Type "N"

Wire rope types

Type "N" — 6 x 25 (6 x 19 class), filler wire, extra improved plow steel, preformed, independent wire rope center, right lay, regular lay.

Type "K" — 19 x 7 non-rotating improved plow steel, preformed, wire rope center core.

Type "T" — 6 x 30 flattened strand, extra improved plow steel, preformed independent wire rope center, right lay, lang lay.

HC-218A performance specifications

Wire rope and rope drum data — (continued)

Available line speed and line pull① — based on GM 6-71N diesel engine with Allison single stage torque converter developing maximum net horsepower as defined by P.C.S.A. Standard No. 1.

Attachment	Root diameter	Front or rear drum: Wire rope diameter Inches	mm	Line speed — first layer F.p.m.	m/min	Line pull — first layer Pounds	kilograms	Third drum: Root diameter	Wire rope diameter Inches	mm	Line speed — first layer F.p.m.	m/min	Line pull — first layer Pounds	kilograms
Crane	17¼" (0.44 m)	¾"	19	159	48.46	25,150	11 408	11¼" (0.29 m)	¾"	19	117	35.66	31,200	14 152
		⅞"	22	160	48.77	25,000	11 340							

Permissible line speed and pull① — based on Type "N" wire rope strength, single part line.

Attachment	Root diameter	Front or rear drum: Wire rope diameter Inches	mm	Line speed — first layer F.p.m.	m/min	Line pull — first layer Pounds	kilograms	Third drum: Root diameter	Wire rope diameter Inches	mm	Line speed — first layer F.p.m.	m/min	Line pull — first layer Pounds	kilograms
Crane	17¼" (0.44 m)	¾"	19	215	65.53	16,800	7 620	11¼" (0.29 m)	¾"	19	174	53.04	16,800	7 620
		⅞"	22	177	53.95	22,700	10 297							

Load hoisting performance — line speeds are maximum for full throttle operation (1,800 r.p.m. full load speed) with GM 6-71N diesel engine equipped with Allison single stage torque converter.

Single line load① Pounds	kilograms	Front or rear drum — 17¼" (0.44 m) root diameter smooth laggings — using ⅞" (22 mm) rope — Line speed: First layer rope Standard F.p.m.	m/min	First layer rope High speed② F.p.m.	m/min	Fourth layer rope Standard F.p.m.	m/min	Fourth layer rope High speed② F.p.m.	m/min	Seventh layer rope Standard F.p.m.	m/min	Seventh layer rope High speed② F.p.m.	m/min
1,000	454	334	101.80	554	168.86	428	130.45	706	215.19	521	158.80	853	260.00
5,000	2 268	302	92.05	458	139.59	375	114.30	545	166.12	441	134.41	625	190.50
10,000	4 536	263	80.16	352	107.28	312	95.09	377	114.91	353	107.59		
13,000	5 897	241	73.46	290	88.39	279	85.04			302	92.05		
15,000	6 804	229	69.80			257	78.33						
20,000	9 072	195	59.44										
22,700	10 297	177	53.95										

Single line load① Pounds	kilograms	Third drum — 11¼" (0.29 m) root diameter smooth lagging — using ¾" (19 mm) wire rope — Line speed: First layer F.p.m.	m/min	Third layer F.p.m.	m/min	Fifth layer F.p.m.	m/min
1,000	454	244	74.37	304	92.66	363	110.64
5,000	2 268	226	68.89	276	84.13	322	98.15
10,000	4 536	203	61.87	239	72.85	270	82.30
15,000	6 804	180	54.86	208	63.40	228	69.49
16,800	7 620	174	53.04	197	60.04	212	64.62

①②– See page 200.1625

HC-218A performance specifications

Wire rope and rope drum data — (continued)

Load hoisting performance — line speeds are maximum for full throttle operation (1,800 r.p.m. full load speed) with GM 6-71 diesel engine equipped with Allison single stage torque converter.

Single line load①		Front or rear drum — 17¼" (0.44 m) root diameter smooth laggings — using ¾" (19 mm) rope											
		Line speed											
		First layer rope				Fourth layer rope				Seventh layer rope			
		Standard		High speed②		Standard		High speed②		Standard		High speed②	
Pounds	*kilograms*	F.p.m.	*m/min*	F.p.m.	*m/min*	F.p.m.	*m/min*	F.p.m.	*m/min*	F.p.m.	*m/min*	F.p.m.	*m/min*
1,000	*454*	331	*100.89*	551	*167.94*	412	*125.58*	681	*207.57*	492	*149.96*	808	*246.28*
5,000	*2 268*	301	*91.74*	455	*138.68*	363	*110.64*	532	*162.15*	421	*128.32*	601	*183.18*
10,000	*4 536*	261	*79.55*	351	*106.98*	304	*92.66*	375	*114.30*	342	*104.24*		
13,000	*5 897*	240	*73.15*	290	*88.39*	274	*83.52*			296	*90.22*		
15,000	*6 804*	228	*69.49*			253	*77.11*						
20,000	*9 072*	194	*59.13*										
22,700	*10 297*	176	*53.64*										

Load hoisting performance — line speeds are maximum for full throttle operation (1,800 r.p.m. full load speed) with GM 6-71 diesel engine equipped with Twin Disc 3 stage torque converter.

Single line load①		Front or rear drum — 17¼" (0.44 m) root diameter smooth laggings — using ⅞" (22 mm) rope											
		Line speed											
		First layer rope				Fourth layer rope				Seventh layer rope			
		Standard		High speed②		Standard		High speed②		Standard		High speed②	
Pounds	*kilograms*	F.p.m.	*m/min*	F.p.m.	*m/min*	F.p.m.	*m/min*	F.p.m.	*m/min*	F.p.m.	*m/min*	F.p.m.	*m/min*
1,000	*454*	304	*92.66*	514	*156.67*	392	*119.48*	662	*201.78*	480	*146.30*	810	*246.89*
5,000	*2 268*	275	*83.82*	411	*125.27*	348	*106.07*	485	*147.83*	408	*124.36*	561	*170.99*
10,000	*4 536*	235	*71.63*	336	*102.41*	276	*84.12*	358	*109.12*	324	*98.76*		
13,000	*5 897*	214	*65.23*	277	*84.43*	261	*79.55*			290	*88.39*		
15,000	*6 804*	208	*63.40*			246	*74.98*						
20,000	*9 072*	187	*56.99*										
22,700	*10 297*	167	*50.90*										

Load hoisting performance — line speeds are maximum for full throttle operation (1,800 r.p.m. full load speed) with GM 6-71 diesel engine equipped with Twin Disc 3 stage torque converter.

Single line load①		Front or rear drum — 17¼" (0.44 m) root diameter smooth laggings — using ¾" (19.mm) rope											
		Line speed											
		First layer rope				Fourth layer rope				Seventh layer rope			
		Standard		High speed②		Standard		High speed②		Standard		High speed②	
Pounds	*kilograms*	F.p.m.	*m/min*	F.p.m.	*m/min*	F.p.m.	*m/min*	F.p.m.	*m/min*	F.p.m.	*m/min*	F.p.m.	*m/min*
1,000	*454*	302	*92.05*	510	*155.45*	378	*115.21*	637	*194.16*	453	*138.07*	764	*232.87*
5,000	*2 268*	274	*83.52*	404	*124.66*	336	*102.41*	474	*144.48*	396	*120.70*	535	*163.07*
10,000	*4 536*	234	*71.32*	334	*101.80*	268	*81.69*	357	*108.81*	310	*94.49*		
13,000	*5 897*	212	*64.62*	276	*84.12*	254	*77.42*			284	*86.56*		
15,000	*6 804*	207	*63.09*			242	*73.76*						
20,000	*9 072*	186	*56.69*										
22,700	*10 297*	167	*50.90*										

①②— See page 200.1625

HC-218A performance specifications

Wire rope and rope drum data — (continued)

Load hoisting performance — line speeds are maximum for full throttle operation (1,800 r.p.m. full load speed) with Cummins N855C220 diesel engine equipped with Twin Disc 3 stage torque converter.

Single line load①		Front or rear drum — 17¼" *(0.44 m)* root diameter smooth laggings — using ⅞" *(22 mm)* rope											
		Line speed											
		First layer rope				Fourth layer rope				Seventh layer rope			
		Standard		High speed②		Standard		High speed②		Standard		High speed②	
Pounds	*kilograms*	F.p.m.	*m/min*	F.p.m.	*m/min*	F.p.m.	*m/min*	F.p.m.	*m/min*	F.p.m.	*m/min*	F.p.m.	*m/min*
1,000	*454*	301	*91.74*	502	*153.01*	387	*117.96*	642	*195.68*	471	*143.56*	779	*237.44*
5,000	*2 268*	280	*85.34*	437	*133.20*	352	*107.29*	530	*161.54*	418	*127.41*	604	*184.10*
10,000	*4 536*	253	*77.11*	340	*103.63*	303	*92.35*	369	*112.47*	341	*103.94*		
13,000	*5 897*	234	*71.32*	284	*86.56*	270	*82.30*			294	*89.61*		
15,000	*6 804*	221	*67.36*			249	*75.90*						
20,000	*9 072*	189	*57.61*										
22,700	*10 297*	172	*52.43*										

Load hoisting performance — line speeds are maximum for full throttle operation (1,800 r.p.m. full load speed) with Cummins N855C220 diesel engine equipped with Twin Disc 3 stage torque converter.

Single line load①		Front or rear drum — 17¼" *(0.44 m)* root diameter smooth laggings — using ¾" *(19 mm)* rope											
		Line speed											
		First layer rope				Fourth layer rope				Seventh layer rope			
		Standard		High speed②		Standard		High speed②		Standard		High speed②	
Pounds	*kilograms*	F.p.m.	*m/min*	F.p.m.	*m/min*	F.p.m.	*m/min*	F.p.m.	*m/min*	F.p.m.	*m/min*	F.p.m.	*m/min*
1,000	*454*	299	*91.14*	499	*152.10*	372	*113.39*	619	*188.67*	445	*135.64*	737	*224.64*
5,000	*2 268*	279	*85.04*	434	*132.28*	340	*103.63*	515	*156.97*	398	*121.31*	584	*178.00*
10,000	*4 536*	251	*76.50*	339	*103.33*	295	*89.92*	367	*111.86*	330	*100.58*		
13,000	*5 897*	233	*71.02*	284	*86.56*	265	*80.77*			288	*87.78*		
15,000	*6 804*	220	*67.06*			245	*74.68*						
20,000	*9 072*	189	*57.61*										
22,700	*10 297*	172	*52.43*										

①Maximum permissible load on single part of line: 16,800 lbs. *(7 620 kg)* for ¾" *(19 mm)* Type "N" wire rope; 9,900 lbs. *(4 491 kg)* for ¾" *(19 mm)* Type "K" wire rope; 22,700 lbs. *(10 297 kg)* for ⅞" *(22 mm)* Type "N" wire rope.

②Machine equipped with optional planetary drive unit.

Link-Belt® HC-218A lifting crane capacities — open throat boom

PCSA Class 12-470
Refer to **Notes** *Page 200.23*

Boom — tubular: 60" *(1.52 m)* wide, 50" *(1.27 m)* deep with open throat top section, 1⅜" *(35 mm)* diameter boom pendants, boom live mast, and boom midpoint suspension pendants as required.

Jib — tubular: 32" *(0.81 m)* wide, 24" *(0.61 m)* deep.

Mounting — rubber tire mobile base: FMC, 8 x 4 drive 260" *(6.60 m)* wheelbase 11' 0" *(3.35 m)* wide.

Counterweights — Refer to charts below.

Counterweights					
"A" upper		"AB" upper		"A" bumper	
Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*
21,000	*9 526*	33,000	*14 969*	13,500	*6 124*

Open throat boom and boom + jib machine can lift off ground unassisted, without load ①.

Standard HC-218A must be equipped with the counterweight combinations below when indicated boom and boom + jib lengths are used	Minimum/ maximum boom or boom + jib lengths allowed	On outriggers							
		Over rear				Over side			
		Boom		Boom + jib		Boom		Boom + jib	
		Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*
"A" upper and "A" bumper	Minimum	40	*12.19*	← Not applicable →		40	*12.19*	← Not applicable →	
	Maximum	220	*67.06*			180	*54.86*		
"AB" upper and "A" bumper	Minimum	40	*12.19*	40 + 30	*12.19 + 9.14*	40	*12.19*	40 + 30	*12.19 + 9.14*
	Maximum	230	*70.10*	200 + 60	*60.96 + 18.29*	200	*60.96*	170 + 60	*51.82 + 18.29*
On tires ②									
"A" upper and "A" bumper	Minimum	40	*12.19*	← Not applicable →		40	*12.19*	← Not applicable →	
	Maximum	160	*48.77*			120	*36.58*		

① Limited to 95% of available stability with machine standing level on firm supporting surface.
② Air pressure in tires to be 100 p.s.i. *(690 kPa)*.

Machine travel with open throat boom or boom + jib, with no load ①.

Standard HC-218A must be equipped with the counterweight combinations below when the indicated boom and boom + jib lengths are used.	Minimum/ maximum boom or boom + jib lengths allowed	On tires②							
		Jobsite moves at 1 m.p.h. *(1.61 km/h)*, boom at 80° boom angle, upper facing rear only.				Over the road travel at 5 m.p.h. *(8.05 km/h)*, boom horizontal and supported with standard suspension, and boom live mast pinned in 24' *(7.32 m)* position.			
		Boom		Boom + jib		Boom		Boom + jib	
		Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*
"A" upper and "A" bumper	Minimum	40	*12.19*	← Not applicable →		40	*12.19*	← Not applicable →	
	Maximum	220	*67.06*			130	*39.62*		
"AB" upper and "A" bumper	Minimum	40	*12.19*	40 + 30	*12.19 + 9.14*	40	*12.19*	40 + 30	*12.19 + 9.14*
	Maximum	230	*70.10*	200 + 60	*60.96 + 18.29*	150	*45.72*	120 + 60	*36.58 + 18.29*

①Limited to 85% of available stability with machine standing level on firm supporting surface.
②Air pressure in front and rear tires to be 100 p.s.i. *(690 kPa)*.
Note: Hook block may be carried only when attached to mounting.

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HC-218A lifting crane capacities — open throat boom

PCSA Class 12-470
Refer to **Notes** *Page 200.23*

Boom — tubular: 60" *(1.57 m)* wide, 50" *(1.27 m)* deep with open throat top section, 1⅜" *(35 mm)* boom pendants, boom live mast, and boom midpoint suspension pendants as required.

Mounting — rubber tire mobile base: FMC, 8 x 4 drive, 260" *(6.60 m)* wheelbase, 11'0" *(3.35 m)* wide.

Counterweights — Refer to charts *Page 200.17*

HC-218A open throat boom						"A" upper & "A" bumper ① counterweights								"AB" upper & "A" bumper counterweights			
						On outriggers				On tires (static)				On outriggers only			
	Radius		Angle	Boom point height ②		Over rear		Over side and 360° swing ③		Over rear		Over side		Over rear		Over side and 360° swing ③	
Length	Feet	*meters*	Degrees	Feet	*meters*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*
40' *(12.19 m)*	12	*3.66*	77.7	46' 5"	*14.15*	192,200*	*87 180**	192,200*	*87 180**	88,400*	*40 097**	67,000*	*30 390**	200,000*	*90 718**	200,000*	*90 718**
	13	*3.96*	76.3	46' 2"	*14.08*	180,100*	*81 691**	180,000*	*81 646**	85,500*	*38 782**	62,700*	*28 440**	187,300*	*84 957**	187,300*	*84 957**
	14	*4.27*	74.8	45' 11"	*14.00*	169,300*	*76 793**	166,500*	*75 523**	82,800*	*37 557**	58,900*	*26 716**	176,200*	*79 922**	176,200*	*79 922**
	15	*4.57*	73.3	45' 8"	*13.92*	159,600*	*72 393**	155,000*	*70 306**	80,300*	*36 423**	55,400*	*25 129**	166,100*	*75 341**	165,600*	*75 114**
	16	*4.88*	71.8	45' 4"	*13.82*	151,100*	*68 537**	145,000*	*65 770**	78,000*	*35 380**	52,400*	*23 768**	157,300*	*71 350**	155,100*	*70 352**
	17	*5.18*	70.3	45' 0"	*13.72*	143,300*	*64 999**	136,500*	*61 915**	75,800*	*34 382**	49,600*	*22 498**	149,200*	*67 675**	146,000*	*66 224**
	18	*5.49*	68.7	44' 8"	*13.60*	136,300*	*61 824**	129,200*	*58 604**	73,800*	*33 475**	47,000*	*21 318**	141,900*	*64 364**	138,000*	*62 595**
	19	*5.79*	67.2	44' 3"	*13.48*	130,000*	*58 967**	122,700*	*55 655**	71,900*	*32 613**	44,800*	*20 320**	135,300*	*61 371**	131,200*	*59 511**
	20	*6.10*	65.6	43' 9"	*13.35*	124,100*	*56 290**	116,900*	*53 024**	70,200*	*31 842**	42,700*	*19 368**	129,200*	*58 604**	125,000*	*56 699**
	25	*7.62*	57.5	41' 1"	*12.52*	101,100*	*45 858**	89,000	*40 369*	53,300	*24 176*	31,500	*14 288*	105,300*	*47 763**	101,500*	*46 039**
	30	*9.14*	48.5	37' 4"	*11.37*	85,100*	*38 600**	65,500	*29 710*	42,300	*19 186*	24,500	*11 113*	88,700*	*40 233**	77,200	*35 017*
	35	*10.67*	38.0	32' 0"	*9.75*	71,300	*32 341*	51,400	*23 314*	34,700	*15 739*	19,800	*8 981*	76,300*	*34 609**	60,800	*27 578*
	40	*12.19*	24.1	23' 9"	*7.23*	58,500	*26 535*	41,900	*19 005*	29,200	*13 244*	16,300	*7 393*	60,800*	*27 578**	49,800	*22 588*
50' *(15.24 m)*	12	*3.66*	80.2	56' 7"	*17.26*	191,800*	*86 999**	191,800*	*86 999**	88,000*	*39 916**	66,800*	*30 299**	197,000*	*89 357**	197,000*	*89 357**
	13	*3.96*	79.0	56' 5"	*17.20*	179,700*	*81 510**	179,700*	*81 510**	85,100*	*38 600**	62,500*	*28 349**	186,900*	*84 776**	186,900*	*84 776**
	14	*4.27*	77.9	56' 3"	*17.14*	168,900*	*76 611**	166,300*	*75 432**	82,400*	*37 376**	58,600*	*26 580**	175,800*	*79 741**	175,800*	*79 741**
	15	*4.57*	76.7	56' 0"	*17.07*	159,200*	*72 211**	154,800*	*70 216**	79,900*	*36 242**	55,200*	*25 038**	165,800*	*75 205**	165,400*	*75 024**
	16	*4.88*	75.5	55' 9"	*17.00*	150,800*	*68 401**	144,800*	*65 680**	77,600*	*35 198**	52,100*	*23 632**	156,900*	*71 168**	154,900*	*70 261**
	17	*5.18*	74.3	55' 6"	*16.91*	143,000*	*64 863**	136,300*	*61 824**	75,400*	*34 200**	49,300*	*22 362**	148,800*	*67 494**	145,800*	*66 133**
	18	*5.49*	73.1	55' 2"	*16.83*	135,900*	*61 643**	129,100*	*58 558**	73,400*	*33 293**	46,800*	*21 228**	141,500*	*64 183**	137,800*	*62 505**
	19	*5.79*	71.9	54' 11"	*16.73*	129,700*	*58 830**	122,500*	*55 565**	71,600*	*32 477**	44,600*	*20 230**	135,000*	*61 234**	131,000*	*59 420**
	20	*6.10*	70.7	54' 7"	*16.63*	123,800*	*56 154**	116,700*	*52 934**	69,800*	*31 660**	42,500*	*19 277**	128,900*	*58 468**	124,800*	*56 608**
	25	*7.62*	64.5	52' 6"	*16.00*	100,900*	*45 767**	89,400	*40 551*	53,400	*24 221*	31,600	*14 333*	105,100*	*47 672**	101,400*	*45 994**
	30	*9.14*	58.0	49' 9"	*15.16*	84,900*	*38 509**	65,800	*29 846*	42,300	*19 186*	24,600	*11 158*	88,500*	*40 142**	77,500	*35 153*
	35	*10.67*	50.9	46' 2"	*14.08*	71,500	*32 431*	51,600	*23 405*	34,800	*15 785*	19,900	*9 026*	74,500*	*33 792**	61,100	*27 714*
	40	*12.19*	43.1	41' 6"	*12.66*	58,800	*26 671*	42,200	*19 141*	29,300	*13 290*	16,400	*7 438*	64,200*	*29 120**	50,000	*22 679*
	50	*15.24*	21.6	25' 9"	*7.84*	42,800	*19 413*	30,300	*13 743*	21,800	*9 888*	11,700	*5 307*	48,300*	*21 908**	36,200	*16 420*
60' *(18.29 m)*	13	*3.96*	80.9	66' 7"	*20.30*	179,600*	*81 465**	179,600*	*81 465**	84,900*	*38 509**	62,400*	*28 304**	182,400*	*82 735**	182,400*	*82 735**
	14	*4.27*	79.9	66' 5"	*20.25*	168,700*	*76 521**	166,400*	*75 477**	82,100*	*37 239**	58,600*	*26 580**	175,600*	*79 650**	175,600*	*79 650**
	15	*4.57*	78.9	66' 3"	*20.19*	159,100*	*72 166**	154,900*	*70 261**	79,600*	*36 105**	55,200*	*25 038**	165,600*	*75 114**	165,400*	*75 024**
	16	*4.88*	78.0	66' 0"	*20.13*	150,600*	*68 311**	144,800*	*65 680**	77,300*	*35 062**	52,100*	*23 632**	156,800*	*71 123**	154,900*	*70 261**
	17	*5.18*	77.0	65' 10"	*20.06*	142,800*	*64 773**	136,300*	*61 824**	75,200*	*34 110**	49,300*	*22 362**	148,700*	*67 449**	145,800*	*66 133**
	18	*5.49*	76.0	65' 7"	*19.99*	135,900*	*61 643**	129,100*	*58 558**	73,200*	*33 202**	46,700*	*21 182**	141,400*	*64 137**	137,900*	*62 550**
	19	*5.79*	75.0	65' 4"	*19.91*	129,500*	*58 740**	122,600*	*55 610**	71,300*	*32 341**	44,600*	*20 230**	134,900*	*61 189**	131,000*	*59 420**
	20	*6.10*	74.0	65' 0"	*19.82*	123,700*	*56 109**	116,700*	*52 934**	69,500*	*31 524**	42,500*	*19 277**	128,800*	*58 422**	124,800*	*56 608**
	25	*7.62*	69.0	63' 4"	*19.31*	100,700*	*45 676**	89,900	*40 777*	53,600	*24 312*	31,800	*14 424*	104,900*	*47 581**	101,300*	*45 948**
	30	*9.14*	63.8	61' 2"	*18.65*	84,800*	*38 464**	66,200	*30 027*	42,500	*19 277*	24,700	*11 203*	88,300*	*40 052**	77,900	*35 334*
	35	*10.67*	58.3	58' 5"	*17.81*	71,800	*32 567*	51,900	*23 541*	34,900	*15 830*	20,000	*9 071*	75,900*	*34 427**	61,400	*27 850*
	40	*12.19*	52.5	55' 0"	*16.76*	59,000	*26 762*	42,500	*19 277*	29,400	*13 335*	16,500	*7 484*	66,600*	*30 209**	50,200	*22 770*
	50	*15.24*	39.2	45' 3"	*13.80*	43,000	*19 504*	30,500	*13 834*	21,900	*9 933*	11,800	*5 352*	48,800	*22 135*	36,400	*16 510*
	60	*18.29*	19.7	27' 7"	*8.40*	33,300	*15 104*	23,300	*10 568*	17,000	*7 711*	8,700	*3 946*	38,000	*17 236*	28,000	*12 700*
70' *(21.34 m)*	15	*4.57*	80.5	76' 5"	*23.29*	158,500*	*71 894**	154,400*	*70 034**	79,100*	*35 879**	54,700*	*24 811**	160,000*	*72 574**	160,000*	*72 574**
	16	*4.88*	79.7	76' 3"	*23.23*	150,100*	*68 084**	144,400*	*65 498**	76,800*	*34 835**	51,600*	*23 405**	155,600*	*70 578**	154,500*	*70 080**
	17	*5.18*	78.9	76' 0"	*23.18*	142,300*	*64 546**	135,900*	*61 643**	74,700*	*33 883**	48,900*	*22 180**	148,200*	*67 222**	145,400*	*65 952**
	18	*5.49*	78.0	75' 10"	*23.11*	135,500*	*61 461**	128,700*	*58 377**	72,700*	*32 976**	46,300*	*21 001**	140,900*	*63 911**	137,400*	*62 323**
	19	*5.79*	77.2	75' 7"	*23.05*	129,100*	*58 558**	122,200*	*55 428**	70,800*	*32 114**	44,200*	*20 048**	134,400*	*60 962**	130,600*	*59 239**
	20	*6.10*	76.4	75' 5"	*22.98*	123,200*	*55 882**	116,300*	*52 752**	69,000*	*31 297**	42,100*	*19 096**	128,300*	*58 195**	124,400*	*56 426**

①②③ — Refer to *Page 200.23*

HC-218A open throat boom

Length	Radius		Angle	Boom point height ②		"A" upper & "A" bumper ① counterweights								"AB" upper & "A" bumper counterweights			
						On outriggers				On tires (static)				On outriggers only			
						Over rear		Over side and 360° swing ③		Over rear		Over side		Over rear		Over side and 360° swing ③	
	Feet	*meters*	Degrees	Feet	*meters*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*
70' *(21.34 m)*	25	7.62	72.1	74' 0"	22.54	100,300*	45 495*	90,000	40 823	53,400	24 221	31,700	14 378	104,500*	47 400*	101,000*	45 812*
	30	9.14	67.8	72' 2"	21.99	84,400*	38 283*	66,200	30 027	42,300	19 186	24,600	11 158	87,900*	39 870*	77,900	35 334
	35	10.67	63.3	69' 10"	21.29	71,800	32 567	51,900	23 541	34,700	15 739	19,900	9 026	75,600*	34 291*	61,300	27 805
	40	12.19	58.6	67' 1"	20.45	59,000	26 761	42,400	19 232	29,200	13 244	16,400	7 438	66,200*	30 027*	50,200	22 770
	50	15.24	48.4	59' 8"	18.19	42,900	19 459	30,500	13 834	21,800	9 888	11,700	5 307	48,800	22 135	36,400	16 510
	60	18.29	36.2	48' 8"	14.84	33,300	15 104	23,300	10 568	17,000	7 711	8,600	3 900	38,000	17 236	28,000	12 700
	70	21.34	18.2	29' 2"	8.90	26,800	12 156	18,500	8 391	13,500	6 123	6,400	2 902	30,700	13 925	22,400	10 160
80' *(24.38 m)*	17	5.18	80.3	86' 2"	26.27	141,600*	64 228*	135,700*	61 552*	74,100*	33 611*	48,400*	21 953*	141,600*	64 228*	141,600*	64 228*
	18	5.49	79.6	86' 0"	26.22	134,900*	61 189*	128,300*	58 195*	72,100*	32 704*	45,900*	20 819*	138,800*	62 958*	137,000*	62 142*
	19	5.79	78.8	85' 10"	26.16	128,500*	58 286*	121,700*	55 202*	70,200*	31 842*	43,800*	19 867*	133,900*	60 736*	130,200*	59 057*
	20	6.10	78.1	85' 8"	26.10	122,700*	55 655*	115,900*	52 571*	68,500*	31 071*	41,700*	18 914*	127,800*	57 969*	123,900*	56 200*
	25	7.62	74.4	84' 5"	25.73	99,800*	45 268*	90,000	40 823	53,200	24 131	31,500	14 288	104,000*	47 173*	100,600*	45 631*
	30	9.14	70.7	82' 10"	25.25	83,900*	38 056*	66,200	30 027	42,100	19 096	24,400	11 067	87,500*	39 689*	77,800	35 289
	35	10.67	66.8	80' 11"	24.65	71,600	32 477	51,800	23 496	34,500	15 648	19,700	8 935	74,900*	33 974*	61,200	27 759
	40	12.19	62.9	78' 6"	23.94	58,900	26 716	42,300	19 186	29,000	13 154	16,200	7 348	64,400*	29 211*	50,100	22 724
	50	15.24	54.5	72' 5"	22.08	42,800	19 413	30,300	13 743	21,600	9 797	11,500	5 216	48,600	22 044	36,200	16 420
	60	18.29	45.1	64' 0"	19.50	33,100	15 013	23,100	10 477	16,800	7 620	8,400	3 810	37,800	17 145	27,900	12 655
	70	21.34	33.8	51' 10"	15.80	26,600	12 065	18,400	8 346	13,400	6 078	6,300	2 857	30,600	13 879	22,300	10 115
	80	24.38	17.0	30' 9"	9.37	22,000	9 979	14,900	6 758	10,900	4 944	4,700	2 131	25,400	11 521	18,300	8 300
90' *(27.43 m)*	18	5.49	80.7	96' 2"	29.31	127,700*	57 923*	127,700*	57 923*	71,500*	32 431*	45,400*	20 593*	127,700*	57 923*	127,700*	57 923*
	19	5.79	80.1	96' 0"	29.26	125,500*	56 925*	121,200*	54 975*	69,700*	31 615*	43,400*	19 685*	125,500*	56 925*	125,500*	56 925*
	20	6.10	79.4	95' 10"	29.21	122,100*	55 383*	115,400*	52 344*	67,900*	30 798*	41,200*	18 688*	123,300*	55 927*	123,300*	55 927*
	25	7.62	76.2	94' 9"	28.88	99,300*	45 041*	89,900	40 777	53,000	24 040	31,300	14 197	103,500*	46 946*	100,100*	45 404*
	30	9.14	72.9	93' 4"	28.46	83,500*	37 874*	66,100	29 982	41,900	19 005	24,200	10 976	87,000*	39 462*	77,700	35 244
	35	10.67	69.5	91' 8"	27.94	71,500	32 431	51,700	23 450	34,300	15 558	19,500	8 845	73,100*	33 157*	61,100	27 714
	40	12.19	66.1	89' 7"	27.32	58,700	26 625	42,200	19 141	28,800	13 063	16,000	7 257	62,800*	28 485*	49,900	22 634
	50	15.24	58.9	84' 5"	25.73	42,600	19 323	30,200	13 698	21,400	9 706	11,300	5 125	47,900*	21 727*	36,100	16 374
	60	18.29	51.1	77' 5"	23.59	32,900	14 923	23,000	10 432	16,600	7 529	8,200	3 719	37,700	17 100	27,700	12 564
	70	21.34	42.4	68' 0"	20.72	26,500	12 020	18,200	8 255	13,200	5 987	6,100	2 766	30,400	13 789	22,200	10 069
	80	24.38	31.8	54' 9"	16.69	21,900	9 933	14,800	6 713	10,700	4 853	4,500	2 041	25,200	11 430	18,100	8 210
	90	27.43	16.0	32' 2"	9.82	18,400	8 346	12,100	5 488	8,700	3 946	3,300	1 496	21,300	9 661	15,100	6 849
100' *(30.48 m)*	20	6.10	80.5	106' 0"	32.30	114,900*	52 117*	114,900*	52 117*	67,600*	30 662*	40,800*	18 506*	114,900*	52 117*	114,900*	52 117*
	25	7.62	77.6	105' 0"	32.01	98,800*	44 814*	89,900	40 777	52,700	23 904	31,100	14 106	103,000*	46 720*	99,700*	45 223*
	30	9.14	74.6	103' 9"	31.63	83,000*	37 648*	65,900	29 891	41,700	18 914	23,900	10 840	86,600*	39 281*	77,600	35 198
	35	10.67	71.6	102' 3"	31.17	71,100*	32 250*	51,500	23 360	34,000	15 422	19,200	8 708	71,700*	32 522*	60,900	27 623
	40	12.19	68.6	100' 5"	30.62	58,500	26 535	42,000	19 050	28,500	12 927	15,700	7 121	61,500*	27 895*	49,700	22 543
	50	15.24	62.3	95' 11"	29.22	42,500	19 277	30,000	13 607	21,200	9 616	11,000	4 989	46,700*	21 182*	35,900	16 283
	60	18.29	55.6	89' 10"	27.39	32,700	14 832	22,700	10 296	16,300	7 393	8,000	3 628	37,400	16 964	27,500	12 473
	70	21.34	48.3	82' 0"	25.00	26,200	11 884	18,000	8 164	12,900	5 851	5,800	2 630	30,200	13 698	22,000	9 979
	80	24.38	40.1	71' 9"	21.87	21,700	9 842	14,600	6 622	10,400	4 717	4,300	1 950	25,000	11 339	17,900	8 119
	90	27.43	30.1	57' 6"	17.53	18,200	8 255	12,000	5 443	8,500	3 855	3,000	1 360	21,200	9 616	14,900	6 758
	100	30.48	15.2	33' 7"	10.23	15,500	7 030	9,900	4 490	7,000	3 175	2,100	952	18,100	8 210	12,500	5 669
110' *(33.53 m)*	25	7.62	78.7	115' 3"	35.12	97,700*	44 315*	89,900	40 777	52,600	23 858	30,900	14 016	97,700*	44 315*	97,700*	44 315*
	30	9.14	76.1	114' 1"	34.78	82,600*	37 466*	65,900	29 891	41,500	18 824	23,800	10 795	85,600*	38 827*	77,500	35 153
	35	10.67	73.4	112' 9"	34.36	70,600*	32 023*	51,400	23 314	33,900	15 376	19,100	8 663	70,600*	32 023*	60,900	27 623
	40	12.19	70.6	111' 1"	33.87	58,400	26 489	41,900	19 005	28,300	12 836	15,600	7 076	60,500*	27 442*	49,600	22 498
	50	15.24	65.0	107' 0"	32.63	42,300	19 186	29,900	13 562	21,000	9 525	10,900	4 944	45,900*	20 819*	35,800	16 238
	60	18.29	59.1	101' 9"	31.01	32,600	14 787	22,600	10 251	16,200	7 348	7,800	3 538	37,000*	16 782*	27,300	12 383
	70	21.34	52.8	95' 0"	28.95	26,100	11 838	17,900	8 119	12,800	5 805	5,700	2 585	30,000	13 607	21,900	9 933
	80	24.38	45.9	86' 5"	26.33	21,600	9 797	14,500	6 577	10,300	4 672	4,100	1 859	24,800	11 249	17,800	8 073
	90	27.43	38.2	75' 4"	22.95	18,100	8 210	11,900	5 397	8,400	3 810	2,900	1 315	21,100	9 570	14,800	6 713
	100	30.48	28.7	60' 2"	18.33	15,400	6 985	9,800	4 445	6,800	3 084	—	—	18,000	8 164	12,500	5 669
	110	33.53	14.5	34' 11"	10.63	13,200	5 987	8,200	3 719	5,600	2 540	—	—	15,500	7 030	10,500	4 762

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(continued)

FMC

HC-218A open throat boom						"A" upper & "A" bumper ① counterweights								"AB" upper & "A" bumper counterweights			
						On outriggers				On tires (static)				On outriggers only			
	Radius		Angle	Boom point height ②		Over rear		Over side and 360° swing ③		Over rear		Over side		Over rear		Over side and 360° swing ③	
Length	Feet	*meters*	Degrees	Feet	*meters*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*
120' (36.58 m)	25	7.62	79.7	125' 5"	38.22	89,500*	40 596*	89,500*	40 596*	52,400	23 768	30,800	13 970	89,500*	40 596*	89,500*	40 596*
	30	9.14	77.2	124' 5"	37.91	82,200*	37 285*	65,800	29 846	41,300	18 733	23,600	10 704	83,800*	38 011*	77,400	35 108
	35	10.67	74.8	123' 2"	37.53	69,600*	31 570*	51,300	23 269	33,700	15 286	18,900	8 572	69,600*	31 570*	60,800	27 578
	40	12.19	72.3	121' 8"	37.08	58,300	26 444	41,800	18 960	28,200	12 791	15,400	6 985	59,600*	27 034*	49,500	22 452
	50	15.24	67.2	118' 0"	35.96	42,200	19 141	29,700	13 471	20,800	9 434	10,700	4 853	45,400*	20 593*	35,600	16 147
	60	18.29	61.9	113' 3"	34.51	32,500	14 741	22,500	10 205	16,000	7 257	7,600	3 447	36,300*	16 465*	27,200	12 337
	70	21.34	56.3	107' 3"	32.69	26,000	11 793	17,800	8 073	12,600	5 715	5,500	2 494	29,800*	13 517*	21,700	9 842
	80	24.38	50.4	99' 10"	30.42	21,500	9 752	14,300	6 486	10,100	4 581	3,900	1 769	24,700	11 203	17,700	8 028
	90	27.43	43.9	90' 6"	27.59	18,000	8 164	11,700	5 307	8,200	3 719	2,700	1 224	20,900	9 480	14,700	6 667
	100	30.48	36.5	78' 8"	23.98	15,200	6 894	9,700	4 399	6,700	3 039	—	—	17,900	8 119	12,300	5 579
	110	33.53	27.4	62' 8"	19.09	13,100	5 942	8,100	3 674	5,400	2 449	—	—	15,400	6 985	10,400	4 717
	120	36.58	13.9	36' 1"	11.01	11,300	5 125	6,700	3 039	4,400	1 995	—	—	13,400	6 078	8,900	4 036
130' (39.62 m)	25	7.62	80.5	135' 7"	41.32	82,900*	37 602*	82,900*	37 602*	52,200	23 677	30,600	13 879	82,900*	37 602*	82,900*	37 602*
	30	9.14	78.2	134' 7"	41.03	77,100*	34 971*	65,700	29 801	41,200	18 688	23,400	10 614	77,100*	34 971*	77,100*	34 971*
	35	10.67	76.0	133' 6"	40.68	68,800*	31 207*	51,200	23 223	33,500	15 195	18,800	8 527	68,800*	31 207*	60,600	27 487
	40	12.19	73.7	132' 1"	40.27	58,200	26 399	41,700	18 914	28,000	12 700	15,300	6 939	58,900*	26 716*	49,400	22 407
	50	15.24	69.0	128' 9"	39.24	42,100	19 096	29,600	13 426	20,700	9 389	10,500	4 762	45,200*	20 502*	35,500	16 102
	60	18.29	64.2	124' 5"	37.93	32,300	14 651	22,500	10 205	15,800	7 166	7,500	3 401	35,700*	16 193*	27,000	12 246
	70	21.34	59.2	119' 1"	36.29	25,800	11 702	17,600	7 983	12,400	5 624	5,300	2 404	29,200*	13 244*	21,600	9 797
	80	24.38	54.0	112' 5"	34.28	21,300	9 661	14,200	6 441	9,900	4 490	3,800	1 723	24,400*	11 067*	17,500	7 937
	90	27.43	48.3	104' 5"	31.82	17,800	8 073	11,600	5 261	8,000	3 628	2,500	1 133	20,700	9 389	14,500	6 577
	100	30.48	42.1	94' 5"	28.79	15,100	6 849	9,500	4 309	6,500	2 948	—	—	17,700	8 028	12,200	5 533
	110	33.53	35.0	81' 11"	24.96	12,900	5 851	7,900	3 583	5,200	2 358	—	—	15,300	6 939	10,300	4 672
	120	36.58	26.3	65' 0"	19.82	11,100	5 034	6,600	2 993	4,200	1 905	—	—	13,300	6 032	8,700	3 946
	130	39.62	13.3	37' 4"	11.37	9,600	4 354	5,500	2 494	3,300	1 496	—	—	11,600	5 261	7,400	3 356
140' (42.67 m)	30	9.14	79.1	144' 10"	44.14	70,700*	32 068*	65,600	29 755	41,000	18 597	23,200	10 523	70,700*	32 068*	70,700*	32 068*
	35	10.67	77.0	143' 9"	43.82	62,800*	28 485*	51,100	23 178	33,300	15 104	18,600	8 436	62,800*	28 485*	60,500	27 442
	40	12.19	74.9	142' 6"	43.44	56,600*	25 673*	41,600	18 869	27,800	12 609	15,100	6 849	56,600*	25 673*	49,200	22 316
	50	15.24	70.6	139' 5"	42.49	41,900	19 005	29,400	13 335	20,500	9 298	10,300	4 672	44,400*	20 139*	35,300	16 011
	60	18.29	66.2	135' 5"	41.28	32,100	14 560	22,300	10 115	15,600	7 076	7,300	3 311	35,100*	15 921*	26,900	12 201
	70	21.34	61.6	130' 7"	39.79	25,600	11 611	17,500	7 937	12,200	5 533	5,100	2 313	28,700*	13 018*	21,400	9 706
	80	24.38	56.9	124' 7"	37.98	21,100	9 570	14,000	6 350	9,700	4 399	3,600	1 632	23,900*	10 840*	17,400	7 892
	90	27.43	51.8	117' 5"	35.79	17,600	7 983	11,400	5 170	7,800	3 538	2,300	1 043	20,600	9 344	14,300	6 486
	100	30.48	46.4	108' 9"	33.16	14,900	6 758	9,400	4 263	6,300	2 857	—	—	17,500	7 937	12,000	5 443
	110	33.53	40.5	98' 3"	29.94	12,700	5 760	7,700	3 492	5,000	2 267	—	—	15,100	6 849	10,100	4 581
	120	36.58	33.7	85' 0"	25.90	10,900	4 944	6,400	2 902	4,000	1 814	—	—	13,100	5 942	8,500	3 855
	130	39.62	25.4	67' 4"	20.52	9,500	4 309	5,300	2 404	3,200	1 451	—	—	11,400	5 170	7,300	3 311
	140	42.67	12.8	38' 6"	11.72	8,200	3 719	4,300	1 950	2,400	1 088	—	—	10,000	4 535	6,200	2 812
150' (45.72 m)	30	9.14	79.8	155' 0"	47.24	63,000*	28 576*	63,000*	28 576*	40,800	18 506	23,000	10 432	63,000*	28 576*	63,000*	28 576*
	35	10.67	77.9	154' 0"	46.94	57,700*	26 172*	50,900	23 087	33,100	15 013	18,400	8 346	57,700*	26 172*	57,700*	26 172*
	40	12.19	75.9	152' 10"	46.59	52,000*	23 586*	41,400	18 778	27,600	12 519	14,900	6 758	52,000*	23 586*	49,100	22 271
	50	15.24	71.9	150' 0"	45.71	40,800*	18 506*	29,300	13 290	20,300	9 207	10,100	4 581	40,800*	18 506*	35,200	15 966
	60	18.29	67.9	146' 4"	44.59	31,900	14 469	22,200	10 069	15,400	6 985	7,100	3 220	33,900*	15 376*	26,700	12 110
	70	21.34	63.7	141' 10"	43.22	25,400	11 521	17,300	7 847	12,000	5 443	4,900	2 222	28,200*	12 791*	21,200	9 616
	80	24.38	59.3	136' 5"	41.57	20,900	9 480	13,800	6 259	9,500	4 309	3,300	1 496	23,400*	10 614*	17,200	7 801
	90	27.43	54.8	129' 11"	39.59	17,400	7 892	11,200	5 080	7,600	3 447	2,100	952	20,100*	9 117*	14,100	6 395
	100	30.48	50.0	122' 2"	37.24	14,700	6 667	9,200	4 173	6,100	2 766	—	—	17,200*	7 801*	11,800	5 352
	110	33.53	44.8	113' 0"	34.44	12,500	5 669	7,500	3 401	4,800	2 177	—	—	14,800*	6 713*	9,900	4 490
	120	36.58	39.0	101' 10"	31.04	10,800	4 898	6,200	2 812	3,800	1 723	—	—	12,900	5 851	8,400	3 810
	130	39.62	32.5	88' 0"	26.81	9,300	4 218	5,100	2 313	3,000	1 360	—	—	11,200	5 080	7,100	3 220
	140	42.67	24.5	69' 6"	21.20	8,000	3 628	4,200	1 905	2,200	997	—	—	9,800	4 445	6,000	2 721
	150	45.72	12.4	39' 7"	12.06	6,900	3 129	3,400	1 542	—	—	—	—	8,600	3 900	5,000	2 267

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HC-218A open throat boom

Length	Radius		Angle	Boom point height ②		"A" upper & "A" bumper ① counterweights								"AB" upper & "A" bumper counterweights			
						On outriggers				On tires (static)				On outriggers only			
						Over rear		Over side and 360° swing ③		Over rear		Over side		Over rear		Over side and 360° swing ③	
	Feet	*meters*	Degrees	Feet	*meters*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*
160' *(48.77 m)*	30	*9.14*	80.5	165' 2"	*50.33*	58,200*	*26 399**	58,200*	*26 399**	40,600	*18 415*	22,800	*10 341*	58,200*	*26 399**	58,200*	*26 399**
	35	*10.67*	78.6	164' 3"	*50.05*	53,500*	*24 267**	50,800	*23 042*	32,900	*14 923*	18,200	*8 255*	53,500*	*24 267**	53,500*	*24 267**
	40	*12.19*	76.8	163' 2"	*49.72*	48,400*	*21 953**	41,300	*18 733*	27,300	*12 383*	14,700	*6 667*	48,400*	*21 953**	48,400*	*21 953**
	50	*15.24*	73.1	160' 5"	*48.90*	38,100*	*17 281**	29,100	*13 195*	20,000	*9 071*	9,900	*4 490*	38,100*	*17 281**	35,000	*15 875*
	60	*18.29*	69.3	157' 1"	*47.87*	31,700*	*14 378**	22,000	*9 979*	15,200	*6 894*	6,800	*3 084*	31,700*	*14 378**	26,500	*12 020*
	70	*21.34*	65.4	152' 11"	*46.60*	25,200	*11 430*	17,100	*7 756*	11,800	*5 352*	4,700	*2 131*	25,600*	*11 611**	21,000	*9 525*
	80	*24.38*	61.4	147' 11"	*45.07*	20,700	*9 389*	13,600	*6 168*	9,300	*4 218*	3,100	*1 406*	21,500*	*9 752**	17,000	*7 711*
	90	*27.43*	57.3	141' 11"	*43.27*	17,200	*7 801*	11,000	*4 989*	7,300	*3 311*	—	—	18,700*	*8 482**	13,900	*6 304*
	100	*30.48*	52.9	135' 0"	*41.14*	14,500	*6 577*	8,900	*4 036*	5,800	*2 630*	—	—	16,400*	*7 438**	11,600	*5 261*
	110	*33.53*	48.3	126' 9"	*38.64*	12,300	*5 579*	7,300	*3 311*	4,600	*2 086*	—	—	14,400*	*6 531**	9,700	*4 399*
	120	*36.58*	43.3	117' 0"	*35.67*	10,500	*4 762*	6,000	*2 721*	3,600	*1 632*	—	—	12,700	*5 760*	8,100	*3 674*
	130	*39.62*	37.8	105' 4"	*32.10*	9,000	*4 082*	4,900	*2 222*	2,700	*1 224*	—	—	11,000	*4 989*	6,800	*3 084*
	140	*42.67*	31.4	90' 10"	*27.68*	7,800	*3 538*	3,900	*1 769*	2,000	*907*	—	—	9,600	*4 354*	5,700	*2 585*
	150	*45.72*	23.7	71' 8"	*21.85*	6,700	*3 039*	3,100	*1 406*	—	—	—	—	8,400	*3 810*	4,800	*2 177*
	160	*48.77*	12.0	40' 8"	*12.38*	5,800	*2 630*	2,400	*1 088*	—	—	—	—	7,300	*3 311*	4,000	*1 814*
170' *(51.82 m)*	35	*10.67*	79.3	174' 5"	*53.16*	49,000*	*22 226**	49,000*	*22 226**	Not applicable				49,000*	*22 226**	49,000*	*22 226**
	40	*12.19*	77.6	173' 5"	*52.85*	42,400*	*19 232**	41,100	*18 642*					42,400*	*19 232**	42,400*	*19 232**
	50	*15.24*	74.1	170' 10"	*52.08*	34,900*	*15 830**	28,900	*13 108*					34,900*	*15 830**	34,800	*15 785*
	60	*18.29*	70.6	167' 8"	*51.11*	29,500*	*13 380**	21,800	*9 888*					29,500*	*13 380**	26,300	*11 929*
	70	*21.34*	67.0	163' 10"	*49.93*	23,000*	*10 432**	16,900	*7 665*					23,000*	*10 432**	20,800	*9 434*
	80	*24.38*	63.3	159' 2"	*48.51*	19,600*	*8 890**	13,400	*6 078*					19,600*	*8 890**	16,800	*7 620*
	90	*27.43*	59.4	153' 8"	*46.85*	17,000	*7 711*	10,800	*4 898*					17,400*	*7 892**	13,700	*6 214*
	100	*30.48*	55.4	147' 4"	*44.90*	14,300	*6 486*	8,700	*3 946*					15,600*	*7 076**	11,400	*5 170*
	110	*33.53*	51.2	139' 10"	*42.63*	12,100	*5 488*	7,100	*3 220*					14,000*	*6 350**	9,500	*4 309*
	120	*36.58*	46.7	131' 2"	*39.98*	10,300	*4 672*	5,800	*2 630*					12,500	*5 669*	7,900	*3 583*
	130	*39.62*	41.9	120' 11"	*36.86*	8,800	*3 991*	4,700	*2 131*					10,800	*4 898*	6,600	*2 993*
	140	*42.67*	36.6	108' 8"	*33.13*	7,600	*3 447*	3,700	*1 678*					9,400	*4 263*	5,500	*2 494*
	150	*45.72*	30.5	93' 7"	*28.53*	6,500	*2 948*	2,900	*1 315*					8,200	*3 719*	4,600	*2 086*
	160	*48.77*	23.0	73' 9"	*22.48*	5,600	*2 540*	2,200	*997*					7,100	*3 220*	3,800	*1 723*
	170	*51.82*	11.6	41' 8"	*12.70*	4,700	*2 131*	—	—					6,200	*2 812*	3,100	*1 406*
180' *(54.86 m)*	35	*10.67*	79.9	184' 7"	*56.26*	42,900*	*19 459**	42,900*	*19 459**					42,900*	*19 459**	42,900*	*19 459**
	40	*12.19*	78.3	183' 7"	*55.96*	39,100*	*17 735**	39,100*	*17 735**					39,100*	*17 735**	39,100*	*17 735**
	50	*15.24*	75.0	181' 3"	*55.24*	32,300*	*14 651**	28,700	*13 018*					32,300*	*14 651**	32,300*	*14 651**
	60	*18.29*	71.7	178' 3"	*54.33*	27,400*	*12 428**	21,600	*9 797*					27,400*	*12 428**	26,100*	*11 838**
	70	*21.34*	68.3	174' 7"	*53.22*	20,500*	*9 298**	16,700	*7 574*					20,500*	*9 298**	20,500*	*9 298**
	80	*24.38*	64.8	170' 3"	*51.90*	17,800*	*8 073**	13,200	*5 987*					17,800*	*8 073**	16,600	*7 529*
	90	*27.43*	61.3	165' 2"	*50.35*	16,100*	*7 302**	10,600	*4 808*					16,100*	*7 302**	13,500	*6 123*
	100	*30.48*	57.6	159' 4"	*48.55*	14,100	*6 395*	8,500	*3 855*					14,800*	*6 713**	11,200	*5 080*
	110	*33.53*	53.7	152' 6"	*46.47*	11,900	*5 397*	6,900	*3 129*					13,600*	*6 168**	9,300	*4 218*
	120	*36.58*	49.7	144' 7"	*44.06*	10,100	*4 581*	5,600	*2 540*					12,300	*5 579*	7,700	*3 492*
	130	*39.62*	45.3	135' 5"	*41.27*	8,600	*3 900*	4,500	*2 041*					10,600	*4 808*	6,400	*2 902*
	140	*42.67*	40.7	124' 8"	*38.00*	7,400	*3 356*	3,500	*1 587*					9,200	*4 173*	5,300	*2 404*
	150	*45.72*	35.5	111' 11"	*34.12*	6,300	*2 857*	2,700	*1 224*					8,000	*3 628*	4,400	*1 995*
	160	*48.77*	29.6	96' 3"	*29.34*	5,300	*2 404*	2,000	*907*					6,900	*3 129*	3,600	*1 632*
	170	*51.82*	22.3	75' 9"	*23.09*	4,500	*2 041*	—	—					6,000	*2 721*	2,900	*1 315*
	180	*54.86*	11.3	42' 8"	*13.01*	3,800	*1 723*	—	—					5,200	*2 358*	2,300	*1 043*
190' *(57.91 m)*	35	*10.67*	80.5	194' 9"	*59.35*	38,700*	*17 554**	38,700*	*17 554**					38,700*	*17 554**	38,700*	*17 554**
	40	*12.19*	78.9	193' 10"	*59.07*	36,000*	*16 329**	36,000*	*16 329**					36,000*	*16 329**	36,000*	*16 329**
	50	*15.24*	75.8	191' 7"	*58.39*	29,800*	*13 517**	28,500	*12 927*					29,800*	*13 517**	29,800*	*13 517**
	60	*18.29*	72.7	188' 9"	*57.53*	25,400*	*11 521**	21,400	*9 706*					25,400*	*11 521**	25,400*	*11 521**
	70	*21.34*	69.5	185' 4"	*56.49*	19,000*	*8 618**	16,500	*7 484*					19,000*	*8 618**	19,000*	*8 618**
	80	*24.38*	66.3	181' 3"	*55.25*	16,900*	*7 665**	13,000	*5 896*					16,900*	*7 665**	16,400	*7 438*
	90	*27.43*	62.9	176' 6"	*53.80*	15,500*	*7 030**	10,400	*4 717*					15,500*	*7 030**	13,300	*6 032*

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(continued)

FMC

HC-218A open throat boom						"A" upper & "A" bumper ① counterweights								"AB" upper & "A" bumper counterweights			
						On outriggers				On tires (static)				On outriggers only			
	Radius		Angle	Boom point height ②		Over rear		Over side and 360° swing ③		Over rear		Over side		Over rear		Over side and 360° swing ③	
Length	Feet	*meters*	Degrees	Feet	*meters*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*
190' (57.91 m)	100	30.48	59.5	171' 0"	52.13	13,900	6 304	8,300	3 764	Not applicable				14,200*	6 441*	11,000	4 989
	110	33.53	55.9	164' 8"	50.20	11,700	5 307	6,700	3 039					12,400*	5 624*	9,100	4 127
	120	36.58	52.2	157' 5"	47.99	9,900	4 490	5,400	2 449					11,100*	5 034*	7,500	3 401
	130	39.62	48.3	149' 1"	45.45	8,400	3 810	4,200	1 905					9,800*	4 445*	6,200	2 812
	140	42.67	44.1	139' 6"	42.52	7,100	3 220	3,300	1 496					8,800*	3 991*	5,100	2 313
	150	45.72	39.6	128' 4"	39.12	6,100	2 766	2,500	1 133					7,700	3 492	4,200	1 905
	160	48.77	34.5	115' 1"	35.08	5,100	2 313	—	—					6,700	3 039	3,400	1 542
	170	51.82	28.8	98' 11"	30.14	4,300	1 950	—	—					5,800	2 630	2,700	1 224
	180	54.86	21.7	77' 8"	23.68	3,600	1 632	—	—					5,000	2 267	2,000	907
	190	57.91	11.0	43' 8"	13.30	2,900	1 315	—	—					4,300	1 950	—	—
200' (60.96 m)	35	10.67	80.9	204' 10"	62.44	34,900*	15 830*	34,900*	15 830*					34,900*	15 830*	34,900*	15 830*
	40	12.19	79.5	204' 0"	62.18	32,700*	14 832*	32,700*	14 832*					32,700*	14 832*	32,700*	14 832*
	50	15.24	76.6	201' 10"	61.53	27,300*	12 383*	27,300*	12 383*					27,300*	12 383*	27,300*	12 383*
	60	18.29	73.6	199' 2"	60.72	20,500*	9 298*	20,500*	9 298*					20,500*	9 298*	20,500*	9 298*
	70	21.34	70.6	196' 0"	59.73	17,200*	7 801*	16,300	7 393					17,200*	7 801*	17,200*	7 801*
	80	24.38	67.5	192' 2"	58.56	15,000*	6 803*	12,800	5 805					15,000*	6 803*	15,000*	6 803*
	90	27.43	64.4	187' 8"	57.20	13,600*	6 168*	10,200	4 626					13,600*	6 168*	13,100	5 942
	100	30.48	61.2	182' 6"	55.63	12,500*	5 669*	8,100	3 674					12,500*	5 669*	10,700	4 853
	110	33.53	57.8	176' 8"	53.84	11,100*	5 034*	6,500	2 948					11,100*	5 034*	8,800	3 991
	120	36.58	54.4	169' 11"	51.79	9,700*	4 399*	5,100	2 313					9,700*	4 399*	7,300	3 311
	130	39.62	50.8	162' 3"	49.46	8,200	3 719	4,000	1 814					8,600*	3 900*	6,000	2 721
	140	42.67	47.0	153' 6"	46.80	6,900	3 129	3,100	1 406					7,700*	3 492*	4,900	2 222
	150	45.72	42.9	143' 6"	43.74	5,800	2 630	2,300	1 043					7,000*	3 175*	3,900	1 769
	160	48.77	38.5	131' 11"	40.20	4,900	2 222	—	—					6,200*	2 812*	3,100	1 406
	170	51.82	33.6	118' 2"	36.01	4,100	1 859	—	—					5,600*	2 540*	2,400	1 088
	180	54.86	28.1	101' 5"	30.91	3,400	1 542	—	—					4,700	2 131	—	—
	190	57.91	21.2	79' 7"	24.26	2,700	1 224	—	—					4,000	1 814	—	—
	200	60.96	10.7	44' 7"	13.59	2,200	997	—	—					3,400	1 542	—	—
210' (64.01 m)	40	12.19	80.0	214' 2"	65.27	29,600*	13 426*	29,600*	13 426*					29,600*	13 426*	29,600*	13 426*
	50	15.24	77.2	212' 2"	64.66	24,900*	11 294*	24,900*	11 294*					24,900*	11 294*	24,900*	11 294*
	60	18.29	74.4	209' 7"	63.89	18,800*	8 527*	18,800*	8 527*					18,800*	8 527*	18,800*	8 527*
	70	21.34	71.5	206' 7"	62.95	15,600*	7 076*	15,600*	7 076*					15,600*	7 076*	15,600*	7 076*
	80	24.38	68.6	202' 11"	61.85	13,300*	6 032*	12,600	5 715					13,300*	6 032*	13,300*	6 032*
	90	27.43	65.7	198' 8"	60.57	11,900*	5 397*	10,000	4 535					11,900*	5 397*	11,900*	5 397*
	100	30.48	62.6	193' 10"	59.09	10,900*	4 944*	7,900	3 583					10,900*	4 944*	10,500	4 762
	110	33.53	59.5	188' 4"	57.41	9,700*	4 399*	6,300	2 857					9,700*	4 399*	8,600	3 900
	120	36.58	56.3	182' 1"	55.50	8,600*	3 900*	4,900	2 222					8,600*	3 900*	7,100	3 220
	130	39.62	53.0	175' 0"	53.33	7,600*	3 447*	3,800	1 723					7,600*	3 447*	5,800	2 630
	140	42.67	49.5	166' 11"	50.88	6,700	3 039	2,800	1 270					6,800*	3 084*	4,700	2 131
	150	45.72	45.8	157' 10"	48.10	5,600	2 540	2,000	907					6,100*	2 766*	3,700	1 678
	160	48.77	41.8	147' 5"	44.92	4,700	2 131	—	—					5,400*	2 449*	2,900	1 315
	170	51.82	37.5	135' 4"	41.25	3,800	1 723	—	—					4,900*	2 222*	2,200	997
	180	54.86	32.8	121' 2"	36.92	3,100	1 406	—	—					4,400*	1 995*	—	—
	190	57.91	27.4	103' 11"	31.66	2,500	1 133	—	—					3,800	1 723	—	—
	200	60.96	20.7	81' 5"	24.82	—	—	—	—					3,200	1 451	—	—
	210	64.01	10.5	45' 6"	13.88	—	—	—	—					2,600	1 179	—	—
220' (67.06 m)	40	12.19	80.4	224' 4"	68.37	26,600*	12 065*	26,600*	12 065*					26,600*	12 065*	26,600*	12 065*
	50	15.24	77.8	222' 5"	67.78	20,700*	9 389*	20,700*	9 389*					20,700*	9 389*	20,700*	9 389*
	60	18.29	75.1	220' 0"	67.05	17,200*	7 801*	17,200*	7 801*					17,200*	7 801*	17,200*	7 801*
	70	21.34	72.4	217' 1"	66.16	14,200*	6 441*	14,200*	6 441*					14,200*	6 441*	14,200*	6 441*
	80	24.38	69.7	213' 7"	65.11	11,900*	5 397*	11,900*	5 397*					11,900*	5 397*	11,900*	5 397*
	90	27.43	66.8	209' 8"	63.90	10,400*	4 717*	9,700	4 399					10,400*	4 717*	10,400*	4 717*
	100	30.48	64.0	205' 1"	62.50	9,400*	4 263*	7,700	3 492					9,400*	4 263*	9,400*	4 263*
	110	33.53	61.0	199' 10"	60.92	8,600*	3 900*	6,000	2 721					8,600*	3 900*	8,400	3 810
	120	36.58	58.0	194' 0"	59.12	7,700*	3 492*	4,700	2 131					7,700*	3 492*	6,800	3 084

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HC-218A open throat boom						"A" upper & "A" bumper ① counterweights						"AB" upper & "A" bumper counterweights			
						On outriggers				On tires (static)		On outriggers only			
	Radius		Angle	Boom point height ②		Over rear		Over side and 360° swing ③		Over rear		Over side		Over rear		Over side and 360 swing ③	
Length	Feet	*meters*	Degrees	Feet	*meters*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*
220' *(67.06 m)*	130	*39.62*	54.9	187' 4"	*57.10*	6,700*	*3 039**	3,600	*1 632*					6,700*	*3 039**	5,500	*2 494*
	140	*42.67*	51.7	179' 11"	*54.83*	6,000*	*2 721**	2,600	*1 179*					6,000*	*2 721**	4,400	*1 995*
	150	*45.72*	48.2	171' 6"	*52.27*	5,400*	*2 449**	—	—					5,400*	*2 449**	3,500	*1 587*
	160	*48.77*	44.7	162' 0"	*49.37*	4,400	*1 995*	—	—					4,800*	*2 177**	2,700	*1 224*
	170	*51.82*	40.8	151' 2"	*46.07*	3,600	*1 632*	—	—					4,300*	*1 950**	2,000	*907*
	180	*54.86*	36.7	138' 8"	*42.27*	2,900	*1 315*	—	—					3,900*	*1 769**	—	—
	190	*57.91*	32.0	124' 1"	*37.81*	2,300	*1 043*	—	—					3,600*	*1 632**	—	—
	200	*60.96*	26.7	106' 3"	*32.40*	—	—	—	—					2,900	*1 315*	—	—
	210	*64.01*	20.2	83' 3"	*25.37*	—	—	—	—					2,400	*1 088*	—	—
230' *(70.10 m)*	40	*12.19*	80.9	234' 5"	*71.46*	Not applicable				Not applicable				24,100*	*10 931**	24,100*	*10 931**
	50	*15.24*	78.3	232' 7"	*70.90*									18,700*	*8 482**	18,700*	*8 482**
	60	*18.29*	75.8	230' 4"	*70.20*									15,800*	*7 166**	15,800*	*7 166**
	70	*21.34*	73.2	227' 6"	*69.35*									13,000*	*5 896**	13,000*	*5 896**
	80	*24.38*	70.6	224' 3"	*68.35*									10,700*	*4 853**	10,700*	*4 853**
	90	*27.43*	67.9	220' 6"	*67.20*									9,100*	*4 127**	9,100*	*4 127**
	100	*30.48*	65.2	216' 2"	*65.88*									8,200*	*3 719**	8,200*	*3 719**
	110	*33.53*	62.4	211' 2"	*64.38*									7,200*	*3 265**	7,200*	*3 265**
	120	*36.58*	59.6	205' 8"	*62.69*									6,500*	*2 948**	6,500*	*2 948**
	130	*39.62*	56.6	199' 5"	*60.79*									5,800*	*2 630**	5,300	*2 404*
	140	*42.67*	53.6	192' 6"	*58.66*									5,200*	*2 358**	4,200	*1 905*
	150	*45.72*	50.4	184' 8"	*56.28*									4,700*	*2 131**	3,300	*1 496*
	160	*48.77*	47.1	175' 11"	*53.61*									4,200*	*1 905**	2,400	*1 088*
	170	*51.82*	43.6	166' 0"	*50.60*									3,800*	*1 723**	—	—
	180	*54.86*	39.9	154' 10"	*47.19*									3,500*	*1 587**	—	—
	190	*57.91*	35.8	141' 11"	*43.27*									3,100*	*1 406**	—	—
	200	*60.96*	31.3	126' 11"	*38.67*									2,700	*1 224*	—	—
	210	*64.01*	26.1	108' 8"	*33.11*									2,100	*952*	—	—

① Applicable only to machines with booms 40' *(12.19 m)* through 220' *(67.06 m)* long — without jib. "AB" upper and "A" bumper counterweights are required for boom 230' *(70.10 m)* long — without jib, and booms 40' *(12.19 m)* through 200' *(60.96 m)* — with jib. Jib is not permitted on boom when machine is equipped with "A" upper and "A" bumper counterweights.

② Measured vertically from center of boom head sheave to ground with machine standing on tires.

③ Capacities for 360° swing applicable **only** when front center jack and front and rear outriggers are set in proper working position.

Notes — lifting crane capacities; tubular boom with open throat top section.

1. The capacities included in this chart are the maximum allowable, and are based on machine standing level on firm supporting surface under ideal job conditions. Capacities are based on 85% of minimum tipping loads unless marked with an asterisk (*).
   a. Asterisk indicates capacities are based on factors other than those which would cause a tipping condition.
2. Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, supporting surface conditions, inflation of tires, and operating speeds. Operator must reduce load ratings accordingly to take such conditions into account. Deduction from rated capacities must be made for weight of jib, hook block, ball/hook, sling, spreader bar, or other suspended gear.
3. Boom lengths exceeding 150' *(45.72 m)* — boom midpoint suspension pendants required.
4. Main boom lengths must not exceed 230' *(70.10 m)*.
5. For lifting 200,000# *(90 720 kg)*, 10 parts of ⅞" *(22 mm)* diameter, Type "N" wire rope are required. Check parts of line required for all capacities.
6. Jib cannot be used on boom lengths less than 40' *(12.19 m)* or longer than 200' *(60.96 m)*.
7. Refer to charts page 1 when rigging machine with boom and boom plus jib.
8. Machine equipped with "AB" upper counterweight — do not swing over side until outriggers have been set.
9. Telescopic boom live mast, pinned in the extended (24' — *7.32 m*) position, required for all open throat boom capacities.
10. Least stable position is over side.
11. When handling loads on main load hoist line with jib mounted on boom, reduce rated boom capacities as follows to compensate for jib weights —
    30' *(9.14 m)* jib — 2,000# *(907 kg)*
    45' *(13.72 m)* jib — 2,400# *(1 089 kg)*
    60' *(18.29 m)* jib — 3,200# *(1 452 kg)*
12. Capacities apply only to the machine as originally manufactured and normally equipped by FMC Corporation, Cable Crane and Excavator Division.

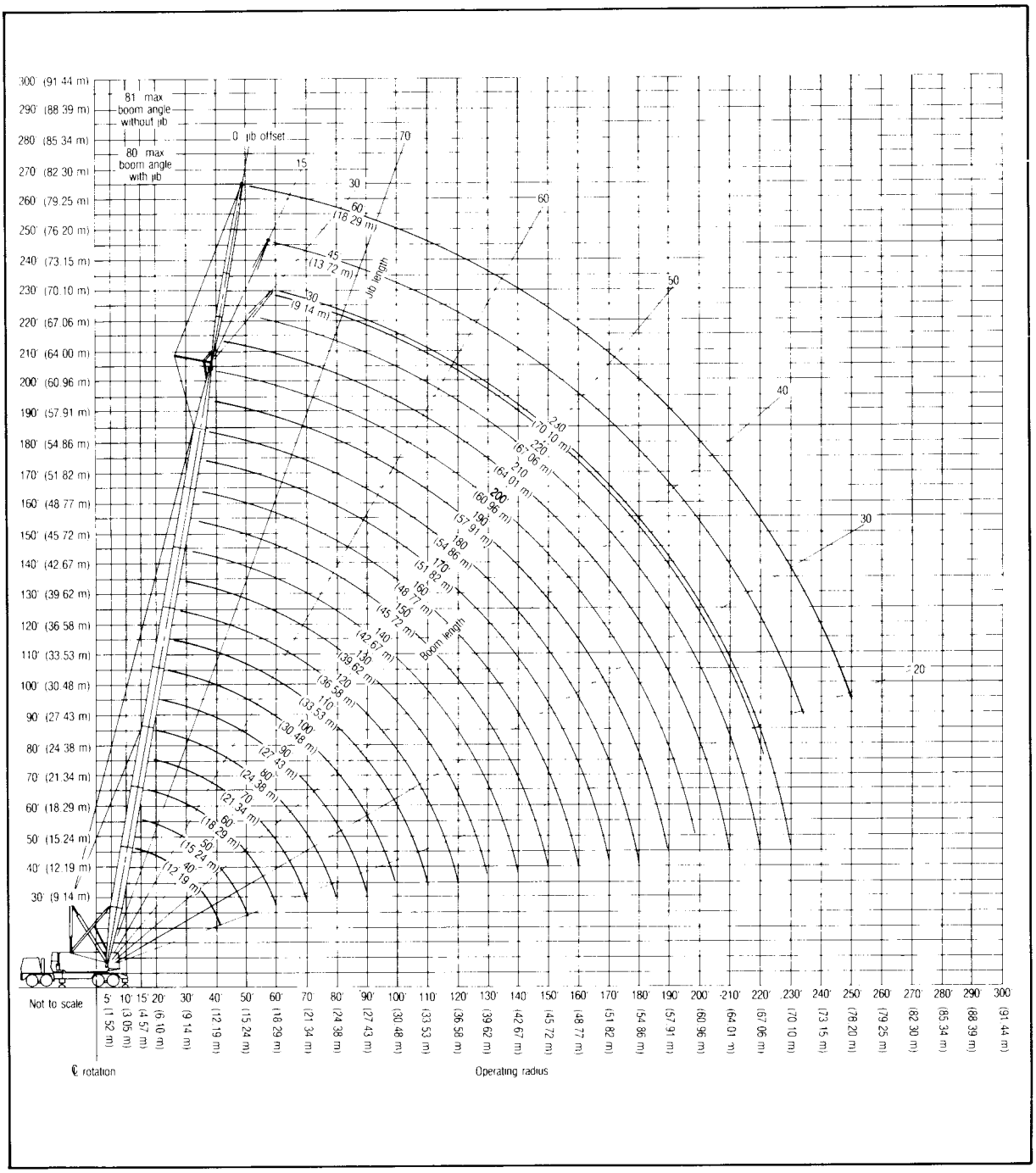
HC-218A boom/jib working ranges — open throat boom

Boom — tubular: 60" *(1.52 m)* wide, 50" *(1.27 m)* deep with open throat top section, 1 3/8" *(35 mm)* boom pendants, boom live mast, and boom midpoint suspension pendants as required.

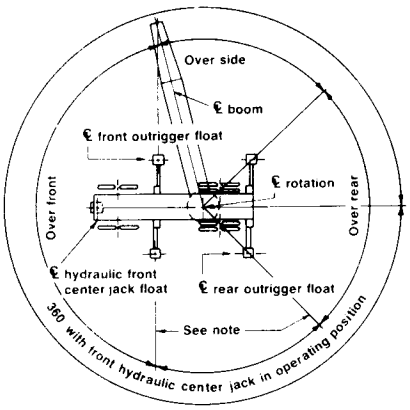
Jib — tubular: 32" *(0.81 m)* wide, 24" *(0.61 m)* deep.

Mounting — rubber tire mobile base: FMC, 8 x 4 drive, 260" *(6.60 m)* wheelbase, 11' 0" *(3.35 m)* wide.

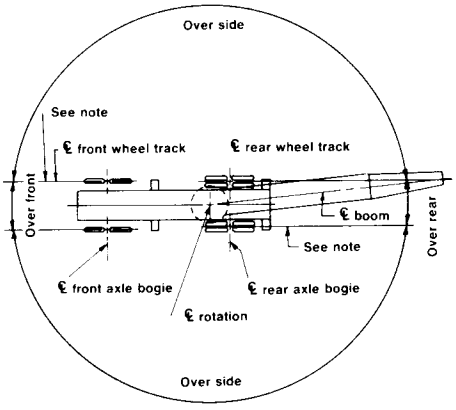
Counterweights — Refer to charts *Page 200.17*



HC-218A working areas



Rubber tire mobile base on outriggers



Rubber tire mobile base on tires

Note: These lines determine the limiting position of any load for operation within working areas indicated.

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

HC-218A jib capacities — open throat boom (U.S. units)

Refer to **Notes** *Page 200.31*

Boom — tubular; 60" wide, 50" deep with open throat top section, 1⅜" diameter boom pendants, boom live mast and boom midpoint suspension pendants as required.

Jib — tubular; 32" wide, 24" deep.

Mounting — rubber tire mobile base; FMC, 8 x 4 drive, 260" wheelbase, 11' 0" wide.

Counterweights — Upper counterweight "AB" — 33,000 lbs.; bumper counterweight "A" — 13,500 lbs.

Boom length	Load radius	Capacities on outriggers — over side and 360° swing①								
		30' jib			45' jib			60' jib		
		Jib angles to boom (jib offset degrees)								
		0	15	30	0	15	30	0	15	30
Feet	Feet	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
40	16	23,900*								
	17	23,500*								
	18	23,100*								
	19	22,800*			16,500*					
	20	22,400*			16,300*					
	25	20,400*	16,900*		15,400*			13,200*		
	30	18,500*	15,800*		14,500*	12,900*		12,400*		
	35	16,700*	14,600*	12,600*	13,600*	11,700*		11,600*		
	40	15,400*	13,400*	12,100*	12,500*	10,500*	7,900*	10,800*	9,500*	
	50	12,900*	12,100*	11,000*	10,000*	8,000*	7,400*	9,200*	7,800*	5,900*
	60	11,700*	10,900*		7,800*	7,400*	6,600*	7,400*	6,100*	5,500*
	70	10,100*			7,200*	6,600*	5,300*	5,800*	5,500*	5,000*
	80				5,900*			5,300*	5,000*	3,800*
	90							4,400*	3,700*	
60	20	23,700*								
	25	22,300*			16,200*			13,700*		
	30	20,700*	16,800*		15,400*			13,100*		
	35	19,200*	15,900*	12,900*	14,700*	12,600*		12,400*		
	40	17,600*	15,000*	12,600*	13,900*	11,700*		11,800*	10,100*	
	50	15,500*	13,100*	11,800*	12,200*	9,700*	7,600*	10,400*	8,700*	
	60	13,500*	12,200*	11,000*	10,200*	7,900*	7,200*	9,000*	7,300*	5,700*
	70	12,300*	11,400*	10,100*	8,000*	7,400*	6,500*	7,600*	5,900*	5,300*
	80	11,300*	10,400*		7,500*	7,000*	5,500*	6,000*	5,500*	4,800*
	90				6,900*	5,800*		5,500*	5,100*	3,900*
	100				5,500*			5,100*	4,300*	
	110							4,000*	3,100*	
80	25	23,400*								
	30	22,200*			16,000*			13,500*		
	35	20,900*	16,600*		15,400*			13,000*		
	40	19,700*	15,900*	12,800*	14,800*	12,400*		12,400*		
	50	17,100*	14,400*	12,300*	13,500*	10,800*	7,800*	11,300*	9,300*	
	60	15,500*	12,900*	11,700*	12,000*	9,200*	7,400*	10,100*	8,100*	5,800*
	70	13,900*	12,300*	11,000*	10,300*	7,800*	7,100*	9,000*	6,900*	5,500*
	80	12,600*	11,600*	10,300*	8,500*	7,500*	6,500*	7,700*	5,900*	5,200*
	90	11,900*	10,900*		7,700*	7,100*	5,600*	6,400*	5,500*	4,700*
	100	11,000*			7,200*	6,300*		5,700*	5,200*	4,000*
	110				6,500*	5,300*		5,300*	4,600*	3,100*
	120				5,200*			4,800*	3,700*	
	130							3,800*		
100	30	23,200*			16,500*					
	35	22,100*	17,300*		16,000*			13,400*		
	40	21,100*	16,500*		15,400*			12,900*		
	50	18,900*	15,300*	12,600*	14,300*	11,600*		12,000*	9,800*	
	60	16,800*	14,000*	12,100*	13,200*	10,200*	7,600*	11,000*	8,800*	5,900*
	70	15,500*	12,900*	11,600*	11,900*	8,800*	7,300*	9,900*	7,700*	5,700*
	80	14,100*	12,300*	11,000*	10,400*	7,800*	7,000*	8,900*	6,700*	5,400*
	90	12,800*	11,800*	10,400*	8,800*	7,500*	6,400*	7,800*	5,900*	5,100*
	100	12,200*	11,200*		7,800*	7,200*	5,700*	6,600*	5,600*	4,700*
	110	11,300	10,500*		7,400*	6,600*		5,800*	5,300*	4,000*
	120	9,700			7,000*	5,800*		5,500*	4,900*	3,300*
	130				6,200*			5,100*	4,200*	
	140				5,000*			4,500*	3,300*	
	150							3,500*		
120	30	23,900*								
	35	23,300*			16,400*					
	40	22,100*	17,100*		15,900*			13,300*		
	50	20,300*	16,000*	12,800*	14,900*	12,200*		12,500*	10,100*	
	60	18,400*	14,900*	12,300*	14,000*	11,000*	7,700*	11,600*	9,200*	
	70	16,700*	13,800*	11,900*	13,000*	9,700*	7,500*	10,700*	8,300*	5,800*
	80	15,500*	12,800*	11,500*	11,700*	8,500*	7,200*	9,800*	7,400*	5,500*
	90	14,300*	12,400*	11,000*	10,400*	7,800*	7,000*	8,800*	6,400*	5,300*
	100	12,800	11,900*	10,500*	9,000*	7,500*	6,400*	7,900*	5,800*	5,000*
	110	10,900	11,100	10,000*	7,900*	7,200*	5,800*	6,800*	5,600*	4,600*
	120	9,300	9,500		7,600*	6,900*	5,100*	5,900*	5,300*	4,100*
	130	8,000	8,200		7,200*	6,200*		5,600*	5,000*	3,500*
	140	6,900			6,800*	5,400*		5,300*	4,500*	
	150				5,900*			5,000*	3,800*	
	160							4,300*	3,000*	
	170							3,300*		

① Refer note #1-b, *Page 200.31*

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HC-218A jib capacities — open throat boom (U.S. units)

Refer to **Notes** *Page 200.31*

Boom length	Load radius	Capacities on outriggers — over side and 360° swing①								
		30' jib			45' jib			60' jib		
		Jib angles to boom (jib offset degrees)								
		0°	15°	30°	0°	15°	30°	0°	15°	30°
Feet	Feet	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
140	35	23,700*								
	40	22,900*			16,300*			13,600*		
	50	21,310*	16,400*	12,900*	15,400*	12,600*		12,900*		
	60	19,600*	15,500*	12,600*	14,600*	11,600*	7,800*	12,100*	9,600*	
	70	18,000*	14,500*	12,200*	13,700*	10,500*	7,600*	11,300*	8,800*	5,900*
	80	16,500*	13,600*	11,800*	12,800*	9,400*	7,400*	10,500*	8,000*	5,700*
	90	14,700	12,800*	11,400*	11,600*	8,200*	7,200*	9,600*	7,100*	5,400*
	100	12,300	12,400*	11,000*	10,500*	7,800*	6,900*	8,800*	6,300*	5,200*
	110	10,400	10,700	10,600*	9,200*	7,500*	6,400*	7,900*	5,800*	5,000*
	120	8,900	9,100	9,300	8,000*	7,300*	5,800*	7,000*	5,600*	4,600*
	130	7,600	7,800		7,700*	7,000*	5,300*	6,100*	5,300*	3,900*
	140	6,500	6,600		6,700	6,400*		5,700*	5,100*	3,400*
	150	5,500			5,700	5,800*		5,500*	4,700*	3,000*
	160	4,700			4,900	5,100*		5,100	4,100*	
	170				4,200			4,300	3,500*	
	180							3,700		
	190							3,200		
160	40	23,500*			16,500*					
	50	22,000*	16,800*		15,800*			13,200*		
	60	20,600*	16,000*	12,700*	15,000*	12,000*		12,500*	9,900*	
	70	19,100*	15,100*	12,400*	14,300*	11,100*	7,700*	11,800*	9,200*	
	80	17,200	14,300*	12,100*	13,500*	10,100*	7,500*	11,000*	8,400*	5,800*
	90	14,200	13,400*	11,700*	12,600*	9,100*	7,300*	10,300*	7,700*	5,600*
	100	11,900	12,300	11,400*	11,600*	8,000*	7,100*	9,500*	6,900*	5,400*
	110	10,000	10,300	10,700	10,100	7,800*	6,800*	8,800*	6,100*	4,700*
	120	8,400	8,700	9,000	8,600	7,500*	6,000*	8,000*	5,800*	4,100*
	130	7,100	7,400	7,600	7,300	7,300*	5,200*	7,100*	5,600*	3,500*
	140	6,000	6,200		6,200	6,600	4,500*	6,300*	5,400*	3,100*
	150	5,000	5,200		5,200	5,600		5,400	5,100*	2,700*
	160	4,200	4,400		4,400	4,700		4,500	4,600*	2,400*
	170	3,500			3,700	3,900		3,800	4,100*	
	180	2,900			3,100			3,200	3,500	
	190				2,500			2,600	2,900	
	200							2,100		
	210							1,700		
180	50	22,700*	17,300*		16,100*			13,500*		
	60	21,400*	16,400*	12,800*	15,400*	12,400*		12,800*		
	70	20,000*	15,600*	12,600*	14,700*	11,600*	7,800*	12,200*	9,500*	
	80	16,700	14,800*	12,300*	14,000*	10,700*	7,600*	11,500*	8,800*	5,800*
	90	13,800	14,100*	11,800*	13,300*	9,800*	7,400*	10,800*	8,100*	5,700*
	100	11,400	11,900	10,200*	11,600	8,800*	7,100*	10,100*	7,400*	4,900*
	110	9,500	9,900	8,800*	9,700	7,900*	6,000*	9,300*	6,700*	4,200*
	120	7,900	8,300	7,700*	8,100	7,700*	5,200*	8,200	6,000*	3,600*
	130	6,600	7,000	6,800*	6,800	7,100*	4,500*	6,900	5,500*	3,100*
	140	5,500	5,800	6,000	5,700	6,100	4,000*	5,800	4,900*	2,700*
	150	4,600	4,800		4,700	5,100	3,500*	4,900	4,300*	2,300*
	160	3,800	4,000		3,900	4,300	3,000*	4,000	3,800*	2,100*
	170	3,000	3,200		3,200	3,500		3,300	3,400*	1,800*
	180	2,400	2,600		2,600	2,800		2,700	3,100	
	190	1,800			2,000	2,200		2,100	2,500	
	200				1,500			1,600	1,900	
200	50	23,100*			16,400*			13,700*		
	60	19,900*	16,700*	12,900*	15,700*	12,800*		13,100*		
	70	17,100*	15,400*	12,700*	14,700*	12,000*	7,900*	12,500*	9,700*	
	80	14,300*	13,400*	11,200*	12,700*	11,100*	7,700*	11,200*	9,100*	5,900*
	90	12,500*	11,500*	9,700*	11,000*	9,700*	7,100*	9,700*	8,000*	5,300*
	100	11,000	10,100*	8,300*	9,700*	8,500*	6,100*	8,500*	7,000*	4,400*
	110	9,000	8,900*	7,200*	8,500*	7,400*	5,100*	7,400*	6,000*	3,700*
	120	7,500	7,900	6,300*	7,500	6,400*	4,400*	6,500*	5,200*	3,200*
	130	6,200	6,500	5,500*	6,300	5,700*	3,900*	5,700*	4,500*	2,700*
	140	5,100	5,400	4,900*	5,200	5,000*	3,300*	5,100*	3,900*	2,300*
	150	4,100	4,400	4,300*	4,300	4,400*	2,900*	4,400*	3,500*	2,100*
	160	3,300	3,500	3,700	3,400	3,800	2,600*	3,600	3,100*	1,800*
	170	2,600	2,800		2,700	3,100	2,300*	2,800	2,800*	1,600*
	180	1,900	2,100		2,100	2,400		2,200	2,400*	
	190				1,500	1,800		1,600	2,000	

① Refer note #1-b, *Page 200.31*

HC-218A jib capacities — open throat boom (U.S. units)

Refer to **Notes** *Page 200.31*

Boom — tubular; 60" wide, 50" deep with open throat top section, 1⅜" diameter boom pendants, boom live mast and boom midpoint suspension pendants as required.

Jib — tubular; 32" wide, 24" deep.

Mounting — rubber tire mobile base; FMC, 8 x 4 drive, 260" wheelbase, 11' 0" wide.

Counterweights — Upper counterweight "AB" — 33,000 lbs.; bumper counterweight "A" — 13,500 lbs.

Boom length	Load radius	Capacities on outriggers — over rear only								
		30' jib			45' jib			60' jib		
		Jib angles to boom (jib offset degrees)								
		0°	15°	30°	0°	15°	30°	0°	15°	30°
Feet	Feet	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
40	16	23,900*								
	17	23,500*								
	18	23,100*								
	19	22,800*			16,500*					
	20	22,400*			16,300*					
	25	20,400*	16,900*		15,400*			13,200*		
	30	18,500*	15,800*		14,500*	12,900*		12,400*		
	35	16,700*	14,600*	12,600*	13,600*	11,700*		11,600*		
	40	15,400*	13,400*	12,100*	12,500*	10,500*	7,900*	10,800*	9,500*	
	50	12,900*	12,100*	11,000*	10,000*	8,000*	7,400*	9,200*	7,800*	5,900*
	60	11,700*	10,900*		7,800*	7,400*	6,600*	7,400*	6,100*	5,500*
	70	10,100			7,200*	6,600*	5,300*	5,800*	5,500*	5,000*
	80				5,900*			5,300*	5,000*	3,800*
	90							4,400*	3,700*	
60	20	23,700*								
	25	22,300*			16,200*			13,700*		
	30	20,700*	16,800*		15,400*			13,100*		
	35	19,200*	15,900*	12,900*	14,700*	12,600*		12,400*		
	40	17,600*	15,000*	12,600*	13,900*	11,700*		11,800*	10,100*	
	50	15,500*	13,100*	11,800*	12,200*	9,700*	7,600*	10,400*	8,700*	
	60	13,500*	12,200*	11,000*	10,200*	7,900*	7,200*	9,000*	7,300*	5,700*
	70	12,300*	11,400*	10,100*	8,000*	7,400*	6,500*	7,600*	5,900*	5,300*
	80	11,300*	10,400*		7,500*	7,000*	5,500*	6,000*	5,500*	4,800*
	90				6,900*	5,800*		5,500*	5,100*	3,900*
	100				5,500*			5,100*	4,300*	
	110							4,000*	3,100*	
80	25	23,400*								
	30	22,200*			16,000*			13,500*		
	35	20,900*	16,600*		15,400*			13,000*		
	40	19,700*	15,900*	12,800*	14,800*	12,400*		12,400*		
	50	17,100*	14,400*	12,300*	13,500*	10,800*	7,800*	11,300*	9,300*	
	60	15,500*	12,900*	11,700*	12,000*	9,200*	7,400*	10,100*	8,100*	5,800*
	70	13,900*	12,300*	11,000*	10,300*	7,800*	7,100*	9,000*	6,900*	5,500*
	80	12,600*	11,600*	10,300*	8,500*	7,500*	6,500*	7,700*	5,900*	5,200*
	90	11,900*	10,900*		7,700*	7,100*	5,600*	6,400*	5,500*	4,700*
	100	11,000*			7,200*	6,300*		5,700*	5,200*	4,000*
	110				6,500*	5,300*		5,300*	4,600*	3,100*
	120				5,200*			4,800*	3,700*	
	130							3,800*		
100	30	23,200*			16,500*					
	35	22,100*	17,300*		16,000*			13,400*		
	40	21,100*	16,500*		15,400*			12,900*		
	50	18,900*	15,300*	12,600*	14,300*	11,600*		12,000*	9,800*	
	60	16,800*	14,000*	12,100*	13,200*	10,200*	7,600*	11,000*	8,800*	5,900*
	70	15,500*	12,900*	11,600*	11,900*	8,800*	7,300*	9,900*	7,700*	5,700*
	80	14,100*	12,300*	11,000*	10,400*	7,800*	7,000*	8,900*	6,700*	5,400*
	90	12,800*	11,800*	10,400*	8,800*	7,500*	6,400*	7,800*	5,900*	5,100*
	100	12,200*	11,200*		7,800*	7,200*	5,700*	6,600*	5,600*	4,700*
	110	11,500*	10,500*		7,400*	6,600*		5,800*	5,300*	4,000*
	120	10,700*			7,000*	5,800*		5,500*	4,900*	3,300*
	130				6,200*			5,100*	4,200*	
	140				5,000*			4,500*	3,300*	
	150							3,500*		
120	30	23,900*								
	35	23,000*			16,400*					
	40	22,100*	17,100*		15,900*			13,300*		
	50	20,300*	16,000*	12,800*	14,900*	12,200*		12,500*	10,100*	
	60	18,400*	14,900*	12,300*	14,000*	11,000*	7,700*	11,600*	9,200*	
	70	16,700*	13,800*	11,900*	13,000*	9,700*	7,500*	10,700*	8,300*	5,800*
	80	15,500*	12,800*	11,500*	11,700*	8,500*	7,200*	9,800*	7,400*	5,500*
	90	14,300*	12,400*	11,000*	10,400*	7,800*	7,000*	8,800*	6,400*	5,300*
	100	13,100*	11,900*	10,500*	9,000*	7,500*	6,400*	7,900*	5,800*	5,000*
	110	12,500*	11,400*	10,000*	7,900*	7,200*	5,800*	6,800*	5,600*	4,600*
	120	11,900*	10,800*		7,600*	6,900*	5,100*	5,900*	5,300*	4,100*
	130	11,300*	10,200*		7,200*	6,200*		5,600*	5,000*	3,500*
	140	10,500*			6,800*	5,400*		5,300*	4,500*	
	150				5,900*			5,000*	3,800*	
	160							4,300*	3,000*	
	170							3,300*		

(continued)

FMC

HC-218A jib capacities — open throat boom (U.S. units)

Refer to **Notes** *Page 200.31*

Boom length	Load radius	Capacities on outriggers — over rear only								
		30° jib			45° jib			60° jib		
		Jib angles to boom (jib offset degrees)								
		0°	15°	30°	0°	15°	30°	0°	15°	30°
Feet	Feet	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
140	35	23,700*								
	40	22,900*			16,300*			13,600*		
	50	21,300*	16,400*	12,900*	15,400*	12,600*		12,900*		
	60	19,600*	15,500*	12,600*	14,600*	11,600*	7,800*	12,100*	9,600*	
	70	18,000*	14,500*	12,200*	13,700*	10,500*	7,600*	11,300*	8,800*	5,900*
	80	16,500*	13,600*	11,800*	12,800*	9,400*	7,400*	10,500*	8,000*	5,700*
	90	15,500*	12,800*	11,400*	11,600*	8,200*	7,200*	9,600*	7,100*	5,400*
	100	14,500*	12,400*	11,000*	10,500*	7,800*	6,900*	8,800*	6,300*	5,200*
	110	13,400*	12,000*	10,600*	9,200*	7,500*	6,400*	7,900*	5,800*	5,000*
	120	12,700*	11,500*	10,100*	8,000*	7,300*	5,800*	7,000*	5,600*	4,500*
	130	11,300*	11,100*		7,700*	7,000*	5,300*	6,100*	5,300*	3,900*
	140	10,000*	10,100*		7,400*	6,400*		5,700*	5,100*	3,400*
	150	8,800*			7,100*	5,800*		5,500*	4,700*	3,000*
	160	7,700*			6,500*	5,100*		5,200*	4,100*	
	170				5,700*			4,800*	3,500*	
	180							4,000*		
	190							3,200*		
160	40	23,500*			16,500*					
	50	22,000*	16,800*		15,800*			13,200*		
	60	20,600*	16,000*	12,700*	15,000*	12,000*		12,500*	9,900*	
	70	19,100*	15,100*	12,400*	14,300*	11,100*	7,700*	11,800*	9,200*	
	80	17,600*	14,300*	12,100*	13,500*	10,100*	7,500*	11,000*	8,400*	5,800*
	90	16,400*	13,400*	11,700*	12,600*	9,100*	7,300*	10,300*	7,700*	5,600*
	100	15,400*	12,800*	11,400*	11,600*	8,000*	7,100*	9,500*	6,900*	5,400*
	110	13,800*	12,400*	10,700*	10,500*	7,800*	6,800*	8,800*	6,100*	4,700*
	120	12,300*	11,600*	9,200*	9,400*	7,500*	6,000*	8,000*	5,800*	4,000*
	130	10,700*	10,600*	8,200*	8,300*	7,300*	5,200*	7,100*	5,600*	3,500*
	140	9,300*	9,600*		7,800*	7,100*	4,600*	6,300*	5,400*	3,100*
	150	8,200*	8,400*		7,500*	6,700*		5,800*	5,100*	2,700*
	160	7,100*	7,300*		7,200*	6,100*		5,600*	4,600*	2,300*
	170	6,200*			6,400*	5,500*		5,300*	4,100*	
	180	5,400*			5,600*			5,000*	3,700*	
	190				4,800*			4,500*	3,200*	
	200							3,900*		
	210							3,000*		
180	50	22,700*	17,300*		16,100*			13,500*		
	60	21,400*	16,400*	12,800*	15,400*	12,400*		12,800*		
	70	20,000*	15,600*	12,600*	14,700*	11,600*	7,800*	12,200*	9,500*	
	80	18,600*	14,800*	12,300*	14,000*	10,700*	7,600*	11,500*	8,800*	5,800*
	90	16,100*	14,100*	11,800*	13,300*	9,800*	7,400*	10,800*	8,100*	5,700*
	100	14,300*	12,800*	10,100*	12,300*	8,800*	7,100*	10,100*	7,400*	5,000*
	110	12,600*	11,400*	8,700*	10,900*	7,900*	6,000*	9,300*	6,700*	4,200*
	120	11,300*	10,000*	7,700*	9,600*	7,700*	5,200*	8,200*	6,000*	3,600*
	130	10,100*	9,000*	6,800*	8,700*	7,100*	4,500*	7,300*	5,600*	3,100*
	140	8,700*	8,000*	5,900*	7,700*	6,200*	4,000*	6,500*	4,800*	2,700*
	150	7,600*	7,200*		7,000*	5,500*	3,500*	5,800*	4,300*	2,300*
	160	6,500*	6,500*		6,300*	5,000*	3,100*	5,200*	3,800*	2,100*
	170	5,600*	5,800*		5,700*	4,500*		4,700*	3,400*	1,800*
	180	4,800*	4,900*		4,900*	4,100*		4,300*	3,100*	
	190	4,100*			4,200*	3,700*		3,900*	2,800*	
	200	3,400*			3,600*			3,600*	2,500*	
	210				3,000*			3,100*	2,300*	
	220							2,600*		
200	50	23,100*			16,400*			13,700*		
	60	19,900*	16,700*	12,900*	15,700*	12,800*		13,100*		
	70	17,300*	15,500*	12,700*	14,600*	12,000*	7,900*	12,500*	9,700*	
	80	14,300*	13,400*	11,200*	12,700*	11,100*	7,700*	11,200*	9,100*	5,900*
	90	12,500*	11,600*	9,600*	11,000*	9,700*	7,100*	9,700*	8,100*	5,300*
	100	11,000*	10,200*	8,400*	9,700*	8,500*	6,100*	8,400*	6,900*	4,400*
	110	9,800*	9,000*	7,200*	8,500*	7,300*	5,200*	7,300*	6,000*	3,700*
	120	8,700*	7,900*	6,300*	7,500*	6,400*	4,400*	6,500*	5,200*	3,100*
	130	7,700*	6,900*	5,500*	6,600*	5,600*	3,900*	5,700*	4,500*	2,700*
	140	6,900*	6,300*	4,900*	5,800*	4,900*	3,300*	5,000*	4,000*	2,400*
	150	6,200*	5,500*	4,400*	5,300*	4,400*	2,900*	4,500*	3,500*	2,100*
	160	5,500*	5,000*	3,900*	4,800*	3,900*	2,600*	4,000*	3,100*	1,800*
	170	5,000*	4,600*		4,300*	3,500*	2,300*	3,600*	2,800*	1,600*
	180	4,200*	4,100*		3,900*	3,200*		3,300*	2,500*	
	190	3,500*	3,600*		3,500*	2,900*		3,000*	2,200*	
	200	2,800*			3,000*	2,600*		2,700*	2,000*	
	210	2,200*			2,400*	2,400*		2,400*	1,800*	
	220	1,700*			1,800*			1,900*	1,700*	

FMC

HC-218A jib capacities — open throat boom (U.S. Units)

Notes — tubular jib capacities

1. The capacities included in this chart are the maximum allowable, and are based on machine standing level on firm supporting surface under ideal job conditions. Capacities are based on 85% of minimum tipping loads unless marked with an asterisk (*).
   a. Asterisk indicates capacities are based on factors other than those which would cause a tipping condition.
   b. Capacities for 360° swing applicable **only** when front center jack and front and rear outriggers are set in proper working position.
2. Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, supporting surface conditions, inflation of tires, and operating speeds. Operator must reduce load ratings accordingly to take such conditions into account. Deduction from rated capacities must be made for weight of jib, hook block, ball/hook, sling, spreader bar, or other suspended gear.
3. Boom lengths exceeding 150' — boom midpoint suspension pendants required.
4. Main boom lengths must not exceed 230'.
5. For lifting 200,000 lbs., 10 parts of 7/8" diameter Type "N" wire rope are required. Check parts of line required for all capacities.
6. Jib cannot be used on boom lengths less than 40' or longer than 200'.
7. Refer to all notes on applicable lifting crane capacity chart in addition to these notes.
8. Machine equipped with "AB" upper counterweight — do not swing over side until outriggers have been set.
9. Telescopic boom live mast, pinned in the extended 24' position, required for all open throat boom capacities.
10. Least stable position is over side.
11. When handling loads on main load hoist line with jib mounted on boom, reduce rated boom capacities as follows to compensate for jib weights —
    30' jib — 2,000 lbs.
    45' jib — 2,400 lbs.
    60' jib — 3,200 lbs.
12. Capacities apply only to the machine as originally manufactured and normally equipped by FMC Corporation, Cable Crane and Excavator Division.

Link-Belt® HC-218A lifting crane capacities — tapered boom

PCSA Class 12-470
Refer to **Notes**
Page 200.38

Boom — tubular: 60" *(1.52 m)* wide, 50" *(1.27 m)* deep with 40 *(12.19 m)* long tapered top section, 1 3/8" *(35 mm)* diameter boom pendants, boom live mast, and boom midpoint suspension pendants as required.

Jib — tubular: 32" *(0.81 m)* wide, 24" *(0.61 m)* deep.

Mounting — rubber tire mobile base: FMC, 8 x 4 drive, 260" *(6.60 m)* wheelbase, 11' 0" *(3.35 m)* wide.

Counterweights — Refer to charts below.

Counterweights					
"A" upper		"AB" upper		"A" bumper	
Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*
21,000	*9 526*	33,000	*14 969*	13,500	*6 124*

Tapered boom and boom + jib machine can lift off ground unassisted, without load ①.

Standard HC-218A must be equipped with the counterweight combinations below when the indicated boom and boom + jib lengths are used.	Minimum/ maximum boom or boom + jib lengths allowed	On outriggers							
		Over rear				Over side			
		Boom		Boom + jib		Boom		Boom + jib	
		Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*
"A" upper and "A" bumper	Minimum	90	*27.43*	Not applicable		90	*27.43*	Not applicable	
	Maximum	220	*67.06*			200	*60.96*		
"AB" upper and "A" bumper	Minimum	90	*27.43*	90 + 30	*27.43 + 9.14*	90	*27.43*	90 + 30	*27.43 + 9.14*
	Maximum	230	*70.10*	210 + 60	*64.01 + 18.29*	210	*64.01*	180 + 60	*54.86 + 18.29*
On tires②									
"A" upper and "A" bumper	Minimum	90	*27.43*	Not applicable		90	*27.43*	Not applicable	
	Maximum	170	*51.82*			130	*39.62*		

①Limited to 95% of available stability with machine standing level on firm supporting surface.
②Air pressure in tires to be 100 p.s.i. *(690 kPa)*.

Machine travel with tapered boom or boom + jib, with no load ①.

Standard HC-218A must be equipped with the counterweight combinations below when the indicated boom and boom + jib lengths are used.	Minimum/ maximum boom or boom + jib lengths allowed	On tires②							
		Jobsite moves at 1 m.p.h. *(1.61 km/h)*, boom at 80° boom angle, upper facing rear only.				Over the road travel at 5 m.p.h. *(8.05 km/h)*, boom horizontal over rear and supported with standard suspension, and boom live mast pinned in 24' *(7.32 m)* position.			
		Boom		Boom + jib		Boom		Boom + jib	
		Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*
"A" upper and "A" bumper	Minimum	90	*27.43*	Not applicable		90	*27.43*	Not applicable	
	Maximum	220	*67.06*			150	*45.72*		
"AB" upper and "A" bumper	Minimum	90	*27.43*	90 + 30	*27.43 + 9.14*	90	*27.43*	90 + 30	*27.43 + 9.14*
	Maximum	230	*70.10*	210 + 60	*64.01 + 18.29*	160	*48.77*	130 + 60	*39.62 + 18.29*

①Limited to 85% of available stability with machine standing level on firm supporting surface.
②Air pressure in front and rear tires to be 100 p.s.i. *(690 kPa)*.
Note: Hook block may be carried only when attached to mounting.

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(Supersedes #6129787.5)

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HC-218A lifting crane capacities — tapered boom

PCSA Class 12-470
Refer to **Notes**
Page 200.38

Boom — tubular: 60" *(1.52 m)* wide, 50" *(1.27 m)* deep with 40' *(12.19 m)* long tapered top section, 1⅜" *(35 mm)* boom pendants, boom live mast, and boom midpoint suspension pendants as required.

Mounting — rubber tire mobile base: FMC, 8 x 4 drive, 260" *(6.60 m)* wheelbase, 11' 0" *(3.35 m)* wide.

Counterweights — Refer to charts

HC-218A tapered boom						"A" upper & "A" bumper ① counterweights								"AB" upper & "A" bumper counterweights			
						On outriggers				On tires (static)				On outriggers only			
	Radius		Angle	Boom point height ②		Over rear		Over side and 360° swing ③		Over rear		Over side		Over rear		Over side and 360° swing ③	
Length	Feet	*meters*	Degrees	Feet	*meters*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*
	18	*5.49*	80.7	96' 2"	*29.31*	90,400*	*41 004**	90,400*	*41 004**	73,100*	*33 157**	46,900*	*21 273**	90,400*	*41 004**	90,400*	*41 004**
	19	*5.79*	80.1	96' 0"	*29.26*	90,400*	*41 004**	90,400*	*41 004**	71,200*	*32 295**	44,900*	*20 366**	90,400*	*41 004**	90,400*	*41,004**
	20	*6.10*	79.4	95' 10"	*29.21*	90,400*	*41 004**	90,400*	*41 004**	69,400*	*31 479**	42,800*	*19 413**	90,400*	*41 004**	90,400*	*41 004**
	25	*7.62*	76.2	94' 9"	*28.88*	90,400*	*41 004**	90,400*	*41 004**	54,200	*24 584*	32,600	*14 787*	90,400*	*41 004**	90,400*	*41 004**
	30	*9.14*	72.9	93' 4"	*28.46*	85,000*	*38 555**	67,300	*30 526*	43,200	*19 595*	25,400	*11 521*	88,600*	*40 188**	78,900	*35 788*
90'	35	*10.67*	69.5	91' 8"	*27.94*	72,700	*32 976*	52,900	*23 995*	35,600	*16 147*	20,700	*9 389*	74,700*	*33 883**	62,300	*28 258*
(27.43 m)	40	*12.19*	66.1	89' 7"	*27.32*	59,900	*27 170*	43,400	*19 685*	30,000	*13 607*	17,300	*7 847*	64,400*	*29 211**	51,200	*23 223*
	50	*15.24*	58.9	84' 5"	*25.73*	43,900	*19 912*	31,400	*14 242*	22,600	*10 251*	12,500	*5 669*	49,400*	*22 407**	37,300	*16 918*
	60	*18.29*	51.1	77' 5"	*23.59*	34,200	*15 512*	24,200	*10 976*	17,800	*8 073*	9,500	*4 309*	38,900	*17 644*	28,900	*13 108*
	70	*21.34*	42.4	68' 0"	*20.72*	27,700	*12 564*	19,500	*8 845*	14,500	*6 577*	7,400	*3 356*	31,600	*14 333*	23,300	*10 568*
	80	*24.38*	31.8	54' 9"	*16.69*	23,100	*10 477*	16,000	*7 257*	11,900	*5 397*	5,800	*2 630*	26,500	*12 020*	19,400	*8 799*
	90	*27.43*	16.0	32' 2"	*9.82*	19,600	*8 890*	13,400	*6 078*	10,000	*4 535*	4,500	*2 041*	22,600	*10 251*	16,400	*7 438*
	20	*6.10*	80.5	106' 0"	*32.30*	90,400*	*41 004**	90,400*	*41 004**	68,900*	*31 252**	42,300*	*19 186**	90,400*	*41 004**	90,400*	*41 004**
	25	*7.62*	77.6	105' 0"	*32.01*	90,400*	*41 004**	90,400*	*41 004**	54,000	*24 493*	32,300	*14 651*	90,400*	*41 004**	90,400*	*41 004**
	30	*9.14*	74.6	103' 9"	*31.63*	84,500*	*38 328**	67,200	*30 481*	42,900	*19 459*	25,200	*11 430*	88,100*	*39 961**	78,800	*35 743*
	35	*10.67*	71.6	102' 3"	*31.17*	72,600	*32 930*	52,800	*23 949*	35,300	*16 011*	20,500	*9 298*	73,300*	*33 248**	62,200	*28 213*
100'	40	*12.19*	68.6	100' 5"	*30.62*	59,800	*27 124*	43,300	*19 640*	29,800	*13 517*	17,000	*7 711*	63,100*	*28 621**	51,000	*23 133*
(30.48 m)	50	*15.24*	62.3	95' 11"	*29.22*	43,700	*19 821*	31,200	*14 152*	22,400	*10 160*	12,300	*5 579*	48,300*	*21 908**	37,100	*16 828*
	60	*18.29*	55.6	89' 10"	*27.39*	34,000	*15 422*	24,000	*10 886*	17,600	*7 983*	9,300	*4 218*	38,700	*17 554*	28,700	*13 018*
	70	*21.34*	48.3	82' 0"	*25.00*	27,500	*12 473*	19,300	*8 754*	14,200	*6 441*	7,100	*3 220*	31,400	*14 242*	23,100	*10 477*
	80	*24.38*	40.1	71' 9"	*21.87*	22,900	*10 387*	15,900	*7 212*	11,700	*5 307*	5,500	*2 494*	26,300	*11 929*	19,200	*8 708*
	90	*27.43*	30.1	57' 6"	*17.53*	19,500	*8 845*	13,200	*5 987*	9,800	*4 445*	4,300	*1 950*	22,400	*10 160*	16,200	*7 348*
	100	*30.48*	15.2	33' 7"	*10.23*	16,700	*7 574*	11,200	*5 080*	8,200	*3 719*	3,300	*1 496*	19,400	*8 799*	13,800	*6 259*
	25	*7.62*	78.7	115' 3"	*35.12*	90,400*	*41 004**	90,400*	*41 004**	53,700	*24 357*	32,100	*14 560*	90,400*	*41 004**	90,400*	*41 004**
	30	*9.14*	76.1	114' 1"	*34.78*	84,000*	*38 101**	67,100	*30 436*	42,700	*19 368*	25,000	*11 339*	86,300*	*39 145**	78,700	*35 697*
	35	*10.67*	73.4	112' 9"	*34.36*	72,000*	*32 659**	52,600	*23 858*	35,100	*15 921*	20,300	*9 207*	72,000*	*32 658**	62,000	*28 122*
	40	*12.19*	70.6	111' 1"	*33.87*	59,600	*27 034*	43,100	*19 549*	29,500	*13 380*	16,800	*7 620*	62,000*	*28 122**	50,800	*23 042*
110'	50	*15.24*	65.0	107' 0"	*32.63*	43,500	*19 731*	31,000	*14 061*	22,200	*10 069*	12,100	*5 488*	47,300*	*21 454**	36,900	*16 737*
(33.53 m)	60	*18.29*	59.1	101' 9"	*31.01*	33,800	*15 331*	23,800	*10 795*	17,400	*7 892*	9,000	*4 082*	38,500*	*17 463**	28,500	*12 927*
	70	*21.34*	52.8	95' 0"	*28.95*	27,300	*12 383*	19,100	*8 663*	14,000	*6 350*	6,900	*3 129*	31,200	*14 152*	22,900	*10 387*
	80	*24.38*	45.9	86' 5"	*26.33*	22,700	*10 296*	15,600	*7 076*	11,500	*5 216*	5,300	*2 404*	26,000	*11 793*	19,000	*8 618*
	90	*27.43*	38.2	75' 4"	*22.95*	19,300	*8 754*	13,000	*5 896*	9,600	*4 354*	4,100	*1 859*	22,200	*10 069*	16,000	*7 257*
	100	*30.48*	28.7	60' 2"	*18.33*	16,600	*7 529*	11,000	*4 989*	8,000	*3 628*	3,100	*1 406*	19,200	*8 708*	13,600	*6 168*
	110	*33.53*	14.5	34' 11"	*10.63*	14,400	*6 531*	9,400	*4 263*	6,800	*3 084*	2,300	*1 043*	16,700	*7 574*	11,700	*5 307*
	25	*7.62*	79.7	125' 5"	*38.22*	89,200*	*40 460**	89,200*	*40 460**	53,500	*24 267*	31,800	*14 424*	89,200*	*40 460**	89,200*	*40 460**
	30	*9.14*	77.2	124' 5"	*37.91*	82,900*	*37 602**	66,900	*30 345*	42,400	*19 232*	24,700	*11 203*	82,900*	*37 602**	78,500	*35 607*
	35	*10.67*	74.8	123' 2"	*37.53*	71,000*	*32 205**	52,400	*23 768*	34,800	*15 785*	20,000	*9 071*	71,000*	*32 205**	61,800	*28 032*
	40	*12.19*	72.3	121' 8"	*37.08*	59,400	*26 943*	42,900	*19 459*	29,300	*13 290*	16,500	*7 484*	61,000*	*27 669**	50,600	*22 951*
	50	*15.24*	67.2	118' 0"	*35.96*	43,300	*19 640*	30,800	*13 970*	21,900	*9 933*	11,800	*5 352*	46,400*	*21 046**	36,700	*16 646*
120'	60	*18.29*	61.9	113' 3"	*34.51*	33,500	*15 195*	23,600	*10 704*	17,100	*7 756*	8,700	*3 946*	37,700*	*17 100**	28,300	*12 836*
(36.58 m)	70	*21.34*	56.3	107' 3"	*32.69*	27,000	*12 246*	18,900	*8 572*	13,700	*6 214*	6,600	*2 993*	31,000	*14 061*	22,700	*10 296*
	80	*24.38*	50.4	99' 10"	*30.42*	22,500	*10 205*	15,400	*6 985*	11,200	*5 080*	5,000	*2 267*	25,800	*11 702*	18,800	*8,527*
	90	*27.43*	43.9	90' 6"	*27.59*	19,100	*8 663*	12,800	*5 805*	9,300	*4 218*	3,800	*1 723*	22,000	*9,979*	15,800	*7.166*
	100	*30.48*	36.5	78' 8"	*23.98*	16,300	*7 393*	10,800	*4 898*	7,800	*3 538*	2,900	*1 315*	18,900	*8,572*	13,400	*6.078*
	110	*33.53*	27.4	62' 8"	*19.09*	14 100	*6 395*	9,200	*4 173*	6,500	*2 948*	2,100	*952*	16,500	*7.484*	11,500	*5.215*
	120	*36.58*	13.9	36' 1"	*11.01*	12,300	*5 579*	7,800	*3 538*	5,500	*2 494*	—	—	14,500	*6.577*	10,000	*4.535*

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HC-218A tapered boom

Length	Radius		Angle	Boom point height ②		"A" upper & "A" bumper ① counterweights								"AB" upper & "A" bumper counterweights			
						On outriggers				On tires (static)				On outriggers only			
						Over rear		Over side and 360° swing ③		Over rear		Over side		Over rear		Over side and 360° swing ③	
	Feet	*meters*	Degrees	Feet	*meters*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*
130' (39.62 m)	25	7.62	80.5	135' 7"	41.32	82,700*	37 512*	82,700*	37 512*	53,300	24 176	31,700	14 378	82,700*	37,512*	82,700*	37,512*
	30	9.14	78.2	134' 7"	41.03	76,600*	34 745*	66,800	30 299	42,200	19 141	24,500	11 113	76,600*	34,745*	76,600*	34,745*
	35	10.67	76.0	133' 6"	40.68	69,800*	31 660*	52,300	23 722	34,600	15 694	19,900	9 026	69,800*	31,660*	61,700	27,986
	40	12.19	73.7	132' 1"	40.27	59,200	26 852	42,800	19 413	29,100	13 199	16,300	7 393	60,300*	27,351*	50,500	22,906
	50	15.24	69.0	128' 9"	39.24	43,200	19 595	30,700	13 925	21,700	9 842	11,600	5 261	45,800*	20,774*	36,600	16,601
	60	18.29	64.2	124' 5"	37.93	33,400	15 149	23,400	10 614	16,900	7 665	8,600	3 900	37,100*	16,828*	28,100	12,745
	70	21.34	59.2	119' 1"	36.29	26,900	12 201	18,700	8 482	13,500	6 123	6,400	2 902	30,600*	13,879*	22,500	10 205
	80	24.38	54.0	112' 5"	34.28	22,400	10 160	15,300	6 939	11,000	4 989	4,800	2 177	25,600	11,611	18,600	8,436
	90	27.43	48.3	104' 5"	31.82	18,900	8 572	12,700	5 760	9,100	4 127	3,600	1 632	21,800	9,888	15,600	7,076
	100	30.48	42.1	94' 5"	28.79	16,200	7 348	10,600	4 808	7,600	3 447	2,700	1 224	18,800	8,527	13,200	5,987
	110	33.53	35.0	81' 11"	24.96	14,000	6 350	9,000	4 082	6,300	2 857	—	—	16,400	7,438	11,400	5,170
	120	36.58	26.3	65' 0"	19.82	12,200	5 533	7,700	3 492	5,300	2 404	—	—	14,300	6,486	9,800	4,445
	130	39.62	13.3	37' 4"	11.37	10,700	4 853	6,500	2 948	4,400	1 995	—	—	12,700	5,760	8,500	3,855
140' (42.67 m)	30	9.14	79.1	144' 10"	44.14	70,300*	31 887*	66,700	30 254	42,100	19 096	24,300	11 022	70,300*	31 887*	70,300*	31 887*
	35	10.67	77.0	143' 9"	43.82	62,700*	28 440*	52,200	23 677	34,400	15 603	19,700	8 935	62,700*	28 440*	61,600	27 941
	40	12.19	74.9	142' 6"	43.44	56,700*	25 718*	42,700	19 368	28,900	13 108	16,200	7 348	56,700*	25 718*	50,300	22 815
	50	15.24	70.6	139' 5"	42.49	43,000	19 504	30,500	13 834	21,600	9 797	11,400	5 170	44,600*	20 230*	36,400	16 510
	60	18.29	66.2	135' 5"	41.28	33,200	15 059	23,200	10 523	16,700	7 574	8,400	3 810	36,600*	16 601*	27,900	12 655
	70	21.34	61.6	130' 7"	39.79	26,700	12 110	18,600	8 436	13,300	6 032	6,200	2 812	30,100*	13 653*	22,500	10 205
	80	24.38	56.9	124' 7"	37.98	22,200	10 069	15,100	6 849	10,800	4 898	4,600	2 086	25,300*	11 475*	18,500	8 391
	90	27.43	51.8	117' 5"	35.79	18,700	8 482	12,500	5 669	8,900	4 036	3,400	1 542	21,400*	9 706*	15,400	6 985
	100	30.48	46.4	108' 9"	33.16	16,000	7 257	10,500	4 762	7,400	3 356	2,500	1 133	18,600	8 436	13,100	5 942
	110	33.53	40.5	98' 3"	29.94	13,800	6 259	8,800	3 991	6,100	2 766	—	—	16,200	7 348	11,200	5 080
	120	36.58	33.7	85' 0"	25.90	12,000	5 443	7,500	3 401	5,100	2 313	—	—	14,200	6 441	9,600	4 354
	130	39.62	25.4	67' 4"	20.52	10,500	4 762	6,400	2 902	4,300	1 950	—	—	12,500	5 669	8,300	3 764
	140	42.67	12.8	38' 6"	11.72	9,300	4 218	5,400	2 449	3,500	1 587	—	—	11,100	5 034	7,300	3 311
150' (45.72 m)	30	9.14	79.8	155' 0"	47.24	62,900*	28 530*	62,900*	28 530*	41,900	19 005	24,100	10 931	62,900*	28 530*	62,900*	28 530*
	35	10.67	77.9	154' 0"	46.94	57,800*	26 217*	52,000	23 586	34,200	15 512	19,500	8 845	57,800*	26 217*	57,800*	26 217*
	40	12.19	75.9	152' 10"	46.59	52,200*	23 677*	42,500	19 277	28,600	12 972	16,000	7 257	52,200*	23 677*	50,200	22 770
	50	15.24	71.9	150' 0"	45.71	41,200*	18 688*	30,300	13 743	21,300	9 661	11,200	5 080	41,200*	18 688*	36,200	16 420
	60	18.29	67.9	146' 4"	44.59	33,000	14 968	23,000	10 432	16,500	7 484	8,200	3 719	34,500*	15 648*	27,800	12 609
	70	21.34	63.7	141' 10"	43.22	26,500	12 020	18,400	8 346	13,100	5 942	6,000	2 721	29,100*	13 199*	22,300	10 115
	80	24.38	59.3	136' 5"	41.57	22,000	9 979	14,900	6 758	10,600	4 808	4,400	1 995	24,900*	11 294*	18,300	8 300
	90	27.43	54.8	129' 11"	39.59	18,500	8 391	12,300	5 579	8,700	3 946	3,200	1 451	19,500*	8 845*	15,200	6 894
	100	30.48	50.0	122' 2"	37.24	15,800	7 166	10,300	4 672	7,200	3 265	2,300	1 043	17,000*	7 711*	12,900	5 851
	110	33.53	44.8	113' 0"	34.44	13,600	6 168	8,600	3 900	5,900	2 676	—	—	14,900*	6 758*	11,000	4 989
	120	36.58	39.0	101' 10"	31.04	11,800	5 352	7,300	3 311	4,900	2 222	—	—	13,100*	5 942*	9,500	4 309
	130	39.62	32.5	88' 0"	26.81	10,400	4 717	6,200	2 812	4,000	1 814	—	—	11,500*	5 216*	8,200	3 719
	140	42.67	24.5	69' 6"	21.20	9,100	4 127	5,300	2 404	3,300	1 496	—	—	10,200*	4 626*	7,100	3 220
	150	45.72	12.4	39' 7"	12.06	8,000	3 628	4,400	1 995	2,700	1 224	—	—	9,100*	4 127*	6,100	2 766
160' (48.77 m)	30	9.14	80.5	165' 2"	50.33	58,200*	26 399*	58,200*	26 399*	41,700	18 914	23,900	10 840	58,200*	26 399*	58,200*	26 399*
	35	10.67	78.6	164' 3"	50.05	53,800*	24 403*	51,900	23 541	34,000	15 422	19,300	8 754	53,800*	24 403*	53,800*	24 403*
	40	12.19	76.8	163' 2"	49.72	48,900*	22 180*	42,400	19 232	28,400	12 882	15,800	7 166	48,900*	22 180*	48,900*	22 180*
	50	15.24	73.1	160' 5"	48.90	39,100*	17 735*	30,200	13 698	21,100	9 570	11,000	4 989	39,100*	17 735*	36,100	16 374
	60	18.29	69.3	157' 1"	47.87	32,800	14 877	22,900	10 387	16,300	7 393	7,900	3 583	32,900*	14 923*	27,600	12 519
	70	21.34	65.4	152' 11"	46.60	26,300	11 929	18,200	8 255	12,900	5 851	5,800	2 630	28,000*	12 700*	22,100	10 024
	80	24.38	61.4	147' 11"	45.07	21,800	9 888	14,700	6 667	10,400	4 717	4,200	1 905	23,500*	10 659*	18,100	8 210
	90	27.43	57.3	141' 11"	43.27	18,300	8 300	12,100	5 488	8,400	3 810	3,000	1 360	19,100*	8 663*	15,000	6 803
	100	30.48	52.9	135' 0"	41.14	15,600	7 076	10,000	4 535	6,900	3 129	2,000	907	16,600*	7 529*	12,700	5 760
	110	33.53	48.3	126' 9"	38.64	13,400	6 078	8,400	3 810	5,700	2 585	—	—	14,600*	6 622*	10,800	4 898
	120	36.58	43.3	117' 0"	35.67	11,600	5 261	7,100	3 220	4,700	2 131	—	—	12,900*	5 851*	9,200	4 173
	130	39.62	37.8	105' 4"	32.10	10,100	4 581	6,000	2 721	3,800	1 723	—	—	11,300*	5 125*	7,900	3 583
	140	42.67	31.4	90' 10"	27.68	8,900	4 036	5,000	2 267	3,100	1 406	—	—	10,100*	4 581*	6,800	3 084
	150	45.72	23.7	71' 8"	21.85	7,800	3 538	4,200	1 905	2,400	1 088	—	—	9,100*	4 127*	5,900	2 676
	160	48.77	12.0	40' 8"	12.38	6,800	3 084	3,500	1 587	—	—	—	—	8,400	3 810	5,100	2 313

(continued)

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HC-218A tapered boom						"A" upper & "A" bumper ① counterweights								"AB" upper & "A" bumper counterweights			
						On outriggers				On tires (static)				On outriggers only			
	Radius		Angle	Boom point height ②		Over rear		Over side and 360° swing ③		Over rear		Over side		Over rear		Over side and 360° swing ③	
Length	Feet	*meters*	*Degrees*	*Feet*	*meters*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*
	35	*10.67*	79.3	174' 5"	*53.16*	49,400*	*22 407**	49,400*	*22 407**	33,800	*15 331*	19,100	*8 663*	49,400*	*22 407**	49,400*	*22 407**
	40	*12.19*	77.6	173' 5"	*52.85*	42,900*	*19 459**	42,200	*19 141*	28,200	*12 791*	15,500	*7 030*	42,900*	*19 459**	42,900*	*19 459**
	50	*15.24*	74.1	170' 10"	*52.08*	37,000*	*16 782**	30,000	*13 607*	20,900	*9 480*	10,800	*4 898*	37,000*	*16 782**	35,900	*16 283*
	60	*18.29*	70.6	167' 8"	*51.11*	31,400*	*14 242**	22,700	*10 296*	16,000	*7 257*	7,700	*3 492*	31,400*	*14 242**	27,400	*12 428*
	70	*21.34*	67.0	163' 10"	*49.93*	26,100	*11 838*	18,000	*8 164*	12,700	*5 760*	5,600	*2 540*	26,900*	*12 201**	21,900	*9 933*
	80	*24.38*	63.3	159' 2"	*48.51*	21,600	*9 797*	14,500	*6 577*	10,100	*4 581*	4,000	*1 814*	22,200*	*10 069**	17,900	*8 119*
170'	90	*27.43*	59.4	153' 8"	*46.85*	18,100	*8 210*	11,900	*5 397*	8,200	*3 719*	2,800	*1 270*	18,700*	*8 482**	14,800	*6 713*
(51.82 m)	100	*30.48*	55.4	147' 4"	*44.90*	15,400	*6 985*	9,800	*4 445*	6,700	*3 039*	—	—	16,300*	*7 393**	12,500	*5 669*
	110	*33.53*	51.2	139' 10"	*42.63*	13,200	*5 987*	8,200	*3 719*	5,500	*2 494*	—	—	14,400*	*6 531**	10,600	*4 808*
	120	*36.58*	46.7	131' 2"	*39.98*	11,400	*5 170*	6,900	*3 129*	4,400	*1 995*	—	—	12,700*	*5 760**	9,000	*4 082*
	130	*39.62*	41.9	120' 11"	*36.86*	9,900	*4 490*	5,800	*2 630*	3,600	*1 632*	—	—	11,200*	*5 080**	7,700	*3 492*
	140	*42.67*	36.6	108' 8"	*33.13*	8,700	*3 946*	4,800	*2 177*	2,800	*1 270*	—	—	10,000*	*4 535**	6,600	*2 993*
	150	*45.72*	30.5	93' 7"	*28.53*	7,600	*3 447*	4,000	*1 814*	2,200	*997*	—	—	9,000*	*4 082**	5,700	*2 585*
	160	*48.77*	23.0	73' 9"	*22.48*	6,600	*2 993*	3,300	*1 496*	—	—	—	—	8,200	*3 719*	4,900	*2 222*
	170	*51.82*	11.6	41' 8"	*12.70*	5,800	*2 630*	2,700	*1 224*	—	—	—	—	7,300	*3 311*	4,200	*1 905*
	35	*10.67*	79.9	184' 7"	*56.26*	43,600*	*19 776**	43,600*	*19 776**					43,600*	*19 776**	43,600*	*19 776**
	40	*12.19*	78.3	183' 7"	*55.96*	39,900*	*18 098**	39,900*	*18 098**					39,900*	*18 098**	39,900*	*18 098**
	50	*15.24*	75.0	181' 3"	*55.24*	34,900*	*15 830**	29,800	*13 517*					34,900*	*15 830**	34,900*	*15 830**
	60	*18.29*	71.7	178' 3"	*54.33*	30,000*	*13 607**	22,500	*10 205*					30,000*	*13 607**	27,200	*12 337*
	70	*21.34*	68.3	174' 7"	*53.22*	25,800*	*11 702**	17,800	*8 073*					25,800*	*11 702**	21,700	*9 842*
	80	*24.38*	64.8	170' 3"	*51.90*	20,900*	*9 480**	14,300	*6 486*					20,900*	*9 480**	17,700	*8 028*
	90	*27.43*	61.3	165' 2"	*50.35*	17,900	*8 119*	11,700	*5 307*					18,300*	*8 300**	14,600	*6 622*
180'	100	*30.48*	57.6	159' 4"	*48.55*	15,200	*6 894*	9,600	*4 354*					16,000*	*7 257**	12,300	*5 579*
(54.86 m)	110	*33.53*	53.7	152' 6"	*46.47*	13,000	*5 896*	8,000	*3 628*					14,200*	*6 441**	10,400	*4 717*
	120	*36.58*	49.7	144' 7"	*44.06*	11,200	*5 080*	6,700	*3 039*					12,500*	*5 669**	8,800	*3 991*
	130	*39.62*	45.3	135' 5"	*41.27*	9,700	*4 399*	5,600	*2 540*					11,100*	*5 034**	7,500	*3 401*
	140	*42.67*	40.7	124' 8"	*38.00*	8,500	*3 855*	4,600	*2 086*					9,900*	*4 490**	6,400	*2 902*
	150	*45.72*	35.5	111' 11"	*34.12*	7,400	*3 356*	3,800	*1 723*					8,900*	*4 036**	5,500	*2 494*
	160	*48.77*	29.6	96' 3"	*29.34*	6,400	*2 902*	3,100	*1 406*					8,000	*3 628*	4,700	*2 131*
	170	*51.82*	22.3	75' 9"	*23.09*	5,600	*2 540*	2,500	*1 133*					7,100	*3 220*	4,000	*1 814*
	180	*54.86*	11.3	42' 8"	*13.01*	4,900	*2 222*	2,000	*907*					6,300	*2 857*	3,300	*1 496*
	35	*10.67*	80.5	194' 9"	*59.35*	39,400*	*17 871**	39,400*	*17 871**					39,400*	*17 871**	39,400*	*17 871**
	40	*12.19*	78.9	193' 10"	*59.07*	36,300*	*16 465**	36,300*	*16 465**					36,300*	*16 465**	36,300*	*16,465**
	50	*15.24*	75.8	191' 7"	*58.39*	31,200*	*14 152**	29,600	*13 426*					31,200*	*14 152**	31,200*	*14,152**
	60	*18.29*	72.7	188' 9"	*57.53*	26,800*	*12 156**	22,300	*10 115*					26,800*	*12 156**	26,800*	*12 156**
	70	*21.34*	69.5	185' 4"	*56.49*	21,600*	*9 797**	17,600	*7 983*					21,600*	*9 797**	21,500	*9 752*
	80	*24.38*	66.3	181' 3"	*55.25*	18,900*	*8 572**	14,100	*6 395*					18,900*	*8 572**	17,500	*7 937*
	90	*27.43*	62.9	176' 6"	*53.80*	16,200*	*7 348**	11,500	*5 216*					16,200*	*7 348**	14,400	*6 531*
190'	100	*30.48*	59.5	171' 0"	*52.13*	14,200*	*6 441**	9,400	*4 263*					14,200*	*6 441**	12,000	*5 443*
(57.91 m)	110	*33.53*	55.9	164' 8"	*50.20*	12,600*	*5 715**	7,800	*3 538*					12,600*	*5 715**	10,100	*4 581*
	120	*36.58*	52.2	157' 5"	*47.99*	11,000*	*4 989**	6,500	*2 948*					11,000*	*4 989**	8,600	*3 900*
	130	*39.62*	48.3	149' 1"	*45.45*	9,500	*4 309*	5,300	*2 404*					9,800*	*4 445**	7,300	*3 311*
	140	*42.67*	44.1	139' 6"	*42.52*	8,200	*3 719*	4,400	*1 995*					8,900*	*4 036**	6,200	*2 812*
	150	*45.72*	39.6	128' 4"	*39.12*	7,200	*3 265*	3,600	*1 632*					7,900*	*3 583**	5,300	*2 404*
	160	*48.77*	34.5	115' 1"	*35.08*	6,200	*2 812*	2,900	*1 315*					7,200*	*3 265**	4,500	*2 041*
	170	*51.82*	28.8	98' 11"	*30.14*	5,400	*2 449*	2,300	*1 043*					6,500*	*2 948**	3,800	*1 723*
	180	*54.86*	21.7	77' 8"	*23.68*	4,700	*2 131*	—	—					5,900*	*2 676**	3,100	*1 406*
	190	*57.91*	11.0	43' 8"	*13.30*	4,000	*1 814*	—	—					5,300*	*2 404**	2,600	*1 179*
	35	*10.67*	80.9	204' 10"	*62.44*	35,200*	*15 966**	35,200*	*15 966**					35,200*	*15 966**	35,200*	*15 966**
	40	*12.19*	79.5	204' 0"	*62.18*	32,500*	*14 741**	32,500*	*14 741**					32,500*	*14 741**	32,500*	*14 741**
	50	*15.24*	76.6	201' 10"	*61.53*	27,900*	*12 655**	27,900*	*12 655**					27,900*	*12 655**	27,900*	*12 655**
200'	60	*18.29*	73.6	199' 2"	*60.72*	22,600*	*10 251**	22,300	*10,115*					22,600*	*10 251**	22,600*	*10 251**
(60.96 m)	70	*21.34*	70.6	196' 0"	*59.73*	19,100*	*8 663**	17,400	*7 892*					19,100*	*8 663**	19,100*	*8 663**
	80	*24.38*	67.5	192' 2"	*58.56*	16,700*	*7 574**	13,900	*6 304*					16,700*	*7 574**	16,700*	*7 574**
	90	*27.43*	64.4	187' 8"	*57.20*	14,600*	*6 622**	11,300	*5 125*					14,600*	*6 622**	14,200	*6 441*

Not applicable

①② ③ Refer to *Page 200.38*

HC-218A tapered boom						"A" upper & "A" bumper ① counterweights						"AB" upper & "A" bumper counterweights			
						On outriggers				On tires (static)		On outriggers only			
	Radius		Angle	Boom point height ②		Over rear		Over side and 360° swing ③		Over rear		Over side		Over rear		Over side and 360° swing ③	
Length	Feet	*meters*	Degrees	Feet	*meters*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*
200' *(60.96 m)*	100	*30.48*	61.2	182' 6"	*55.63*	12,800*	*5 805**	9,200	*4 173*	Not applicable				12,800*	*5 805**	11,800	*5 352*
	110	*33.53*	57.8	176' 8"	*53.84*	11,200*	*5 080**	7,600	*3 447*					11,200*	*5 080**	9,900	*4 490*
	120	*36.58*	54.4	169' 11"	*51.79*	9,800*	*4 445**	6,200	*2 812*					9,800*	*4 445**	8,400	*3 810*
	130	*39.62*	50.8	162' 3"	*49.46*	8,700*	*3 946**	5,100	*2 313*					8,700*	*3 946**	7,100	*3 220*
	140	*42.67*	47.0	153' 6"	*46.80*	7,700*	*3 492**	4,200	*1 905*					7,700*	*3 492**	6,000	*2 721*
	150	*45.72*	42.9	143' 6"	*43.74*	6,900	*3 129*	3,400	*1 542*					7,000*	*3 175**	5,000	*2 267*
	160	*48.77*	38.5	131' 11"	*40.20*	6,000	*2 721*	2,700	*1 224*					6,200*	*2 812**	4,200	*1 905*
	170	*51.82*	33.6	118' 2"	*36.01*	5,200	*2 358*	2,100	*952*					5,600*	*2 540**	3,500	*1 587*
	180	*54.86*	28.1	101' 5"	*30.91*	4,500	*2 041*	—	—					5,100*	*2 313**	2,900	*1 315*
	190	*57.91*	21.2	79' 7"	*24.26*	3,800	*1 723*	—	—					4,700*	*2 131**	2,400	*1 088*
	200	*60.96*	10.7	44' 7"	*13.59*	3,300	*1 496*	—	—					4,300*	*1 950**	—	—
210' *(64.01 m)*	40	*12.19*	80.0	214' 2"	*65.27*	29,300*	*13 290**	29,300*	*13 290**					29,300*	*13 290**	29,300*	*13 290**
	50	*15.24*	77.2	212' 2"	*64.66*	25,200*	*11 430**	25,200*	*11 430**					25,200*	*11 430**	25,200*	*11 430**
	60	*18.29*	74.4	209' 7"	*63.89*	19,900*	*9 026**	19,900*	*9 026**					19,900*	*9 026**	19,900*	*9 026**
	70	*21.34*	71.5	206' 7"	*62.95*	17,100*	*7 756**	17,100*	*7 756**					17,100*	*7 756**	17,100*	*7 756**
	80	*24.38*	68.6	202' 11"	*61.85*	14,900*	*6 758**	13,700	*6 214*					14,900*	*6 758**	14,900*	*6 758**
	90	*27.43*	65.7	198' 8"	*60.57*	12,800*	*5 805**	11,100	*5 034*					12,800*	*5 805**	12,800*	*5 805**
	100	*30.48*	62.6	193' 10"	*59.09*	11,200*	*5 080**	9,000	*4 082*					11,200*	*5 080**	11,200*	*5 080**
	110	*33.53*	59.5	188' 4"	*57.41*	10,000*	*4 535**	7,400	*3 356*					10,000*	*4 535**	9,700	*4 399*
	120	*36.58*	56.3	182' 1"	*55.50*	8,700*	*3 946**	6,000	*2 721*					8,700*	*3 946**	8,200	*3 719*
	130	*39.62*	53.0	175' 0"	*53.33*	7,800*	*3 538**	4,900	*2 222*					7,800*	*3 538**	6,900	*3 129*
	140	*42.67*	49.5	166' 11"	*50.88*	6,900*	*3 129**	3,900	*1 769*					6,900*	*3 129**	5,800	*2 630*
	150	*45.72*	45.8	157' 10"	*48.10*	6,200*	*2 812**	3,100	*1 406*					6,200*	*2 812**	4,800	*2 177*
	160	*48.77*	41.8	147' 5"	*44.92*	5,600*	*2 540**	2,400	*1 088*					5,600*	*2 540**	4,000	*1 814*
	170	*51.82*	37.5	135' 4"	*41.25*	4,900	*2 222*	—	—					5,000*	*2 267**	3,300	*1 496*
	180	*54.86*	32.8	121' 2"	*36.92*	4,200	*1 905*	—	—					4,600*	*2 086**	2,700	*1 224*
	190	*57.91*	27.4	103' 11"	*31.66*	3,600	*1 632*	—	—					4,100*	*1 859**	2,100	*952*
	200	*60.96*	20.7	81' 5"	*24.82*	3,000	*1 360*	—	—					3,800*	*1 723**	—	—
	210	*64.01*	10.5	45' 6"	*13.88*	2,500	*1 133*	—	—					3,500*	*1 587**	—	—
220' *(67.06 m)*	40	*12.19*	80.4	224' 4"	*68.37*	26,500*	*12 020**	26,500*	*12 020**					26,500*	*12 020**	26,500*	*12 020**
	50	*15.24*	77.8	222' 5"	*67.78*	20,700*	*9 389**	20,700*	*9 389**					20,700*	*9 389**	20,700*	*9 389**
	60	*18.29*	75.1	220' 0"	*67.05*	17,700*	*8 028**	17,700*	*8 028**					17,700*	*8 028**	17,700*	*8 028**
	70	*21.34*	72.4	217' 1"	*66.16*	15,400*	*6 985**	15,400*	*6 985**					15,400*	*6 985**	15,400*	*6 985**
	80	*24.38*	69.7	213' 7"	*65.11*	13,300*	*6 032**	13,300*	*6 032**					13,300*	*6 032**	13,300*	*6 032**
	90	*27.43*	66.8	209' 8"	*63.90*	11,700*	*5 307**	10,800	*4 898*					11,700*	*5 307**	11,700*	*5 307**
	100	*30.48*	64.0	205' 1"	*62.50*	10,200*	*4 626**	8,800	*3 991*					10,200*	*4 626**	10,200*	*4 626**
	110	*33.53*	61.0	199' 10"	*60.92*	8,900*	*4 036**	7,100	*3 220*					8,900*	*4 036**	8,900*	*4 036**
	120	*36.58*	58.0	194' 0"	*59.12*	7,800*	*3 538**	5,800	*2 630*					7,800*	*3 538**	7,800*	*3 538**
	130	*39.62*	54.9	187' 4"	*57.10*	6,900*	*3 129**	4,700	*2 131*					6,900*	*3 129**	6,600	*2 993*
	140	*42.67*	51.7	179' 11"	*54.83*	6,200*	*2 812**	3,700	*1 678*					6,200*	*2 812**	5,500	*2 494*
	150	*45.72*	48.2	171' 6"	*52.27*	5,500*	*2 494**	2,900	*1 315*					5,500*	*2 494**	4,600	*2 086*
	160	*48.77*	44.7	162' 0"	*49.37*	5,000*	*2 267**	2,200	*997*					5,000*	*2 267**	3,800	*1 723*
	170	*51.82*	40.8	151' 2"	*46.07*	4,500*	*2 041**	—	—					4,500*	*2 041**	3,100	*1 406*
	180	*54.86*	36.7	138' 8"	*42.27*	4,000	*1 814*	—	—					4,100*	*1 859**	2,400	*1 088*
	190	*57.91*	32.0	124' 1"	*37.81*	3,400	*1 542*	—	—					3,700*	*1 678**	—	—
	200	*60.96*	26.7	106' 3"	*32.40*	2,800	*1 270*	—	—					3,300*	*1 496**	—	—
	210	*64.01*	20.2	83' 3"	*25.37*	2,300	*1 043*	—	—					3,100*	*1 406**	—	—
	220	*67.06*	10.2	46' 5"	*14.15*	—	—	—	—					2,800*	*1 270**	—	—
230' *(70.10 m)*	40	*12.19*	80.9	234' 5"	*71.46*	Not applicable								21,800*	*9 888**	21,800*	*9 888**
	50	*15.24*	78.3	232' 7"	*70.90*									18,700*	*8 482**	18,700*	*8 482**
	60	*18.29*	75.8	230' 4"	*70.20*									16,100*	*7 302**	16,100*	*7 302**
	70	*21.34*	73.2	227' 6"	*69.35*									13,800*	*6 259**	13,800*	*6 259**
	80	*24.38*	70.6	224' 3"	*68.35*									12,100*	*5 488**	12,100*	*5 488**
	90	*27.43*	67.9	220' 6"	*67.20*									10,400*	*4 717**	10,400*	*4 717**
	100	*30.48*	65.2	216' 2"	*65.88*									9,100*	*4 127**	9,100*	*4 127**

① ② ③ — Refer to ***Page 200.38***

(continued)

HC-218A tapered boom						"A" upper & "A" bumper ① counterweights								"AB" upper & "A" bumper counterweights			
						On outriggers				On tires (static)				On outriggers only			
	Radius		Angle	Boom point height ②		Over rear		Over side and 360° swing ③		Over rear		Over side		Over rear		Over side and 360 swing ③	
Length	Feet	*meters*	Degrees	Feet	*meters*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*
230' *(70.10 m)*	110	*33.53*	62.4	211' 2"	*64.38*	Not applicable				Not applicable				7,900*	*3 583**	7,900*	*3 583**
	120	*36.58*	59.6	205' 8"	*62.69*									6,900*	*3 129**	6,900*	*3 129**
	130	*39.62*	56.6	199' 5"	*60.79*									6,200*	*2 812**	6,200*	*2 812**
	140	*42.67*	53.6	192' 6"	*58.66*									5,500*	*2 494**	5,300	*2 404*
	150	*45.72*	50.4	184' 8"	*56.28*									4,900*	*2 222**	4,400	*1 995*
	160	*48.77*	47.1	175' 11"	*53.61*									4,400*	*1 995**	3,500	*1 587*
	170	*51.82*	43.6	166' 0"	*50.60*									4,000*	*1 814**	2,800	*1 270*
	180	*54.86*	39.9	154' 10"	*47.19*									3,600*	*1 632**	2,200	*997*
	190	*57.91*	35.8	141' 11"	*43.27*									3,300*	*1 496**	—	—
	200	*60.96*	31.3	126' 11"	*38.67*									3,000*	*1 360**	—	—
	210	*64.01*	26.1	108' 8"	*33.11*									2,700*	*1 224**	—	—
	220	*67.06*	19.7	85' 0"	*25.90*									2,500*	*1 133**	—	—
	230	*70.10*	10.0	47' 4"	*14.42*									2,200	*997*	—	—

① Applicable only to machines with booms 90' *(27.43 m)* through 220' *(67.06 m)* long — without jib. "AB" upper and "A" bumper counterweights are required for boom 230' *(70.10 m)* long — without jib, and 90' *(27.43 m)* through 210' *(64.01 m)* long — with jib. Jib is not permitted on boom when machine is equipped with "A" upper and "A" bumper counterweights.

② Measured vertically from center of boom head sheave to ground with machine standing on tires.

③ Capacities for 360° swing applicable **only** when front center jack and front and rear outriggers are set in proper working position.

Notes — lifting crane capacities; tubular boom with tapered top section.

1. The capacities included in this chart are the maximum allowable, and are based on machine standing level on firm supporting surface under ideal job conditions. Capacities are based on 85% of minimum tipping loads unless marked with an asterisk (*).
   a. Asterisk indicates capacities are based on factors other than those which would cause a tipping condition.
2. Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, supporting surface conditions, inflation of tires, and operating speeds. Operator must reduce load ratings accordingly to take such conditions into account. Deduction from rated capacities must be made for weight of jib, hook block, ball/hook, sling, spreader bar, or other suspended gear.
3. Boom lengths exceeding 150' *(45.72 m)* — boom midpoint suspension pendants required.
4. Main boom lengths must not exceed 230' *(70.10 m)*.
5. For lifting 90,400# *(41 005 kg)*, 4 parts of 7/8" *(22 mm)* diameter Type "N" wire rope is required. Check parts of line required for all capacities.
6. Jib cannot be used on boom lengths less than 90' *(27.43 m)* or longer than 210' *(64.01 m)*.
7. Refer to charts page 1 when rigging machine with boom and boom plus jib.
8. Machine equipped with "AB" upper counterweight — do not swing over side until outriggers have been set.
9. Telescopic boom live mast, pinned in the extended (24' — *7.32 m*) position, required for all tapered tip boom capacities.
10. Least stable position is over side.
11. When handling loads on main load hoist line with jib mounted on boom, reduce rated boom capacities as follows to compensate for jib weights —
    30' *(9.14 m)* jib — 2,000# *(907 kg)*
    45' *(13.72 m)* jib — 2,400# *(1 089 kg)*
    60' *(18.29 m)* jib — 3,200# *(1 452 kg)*
12. Capacities apply only to the machine as originally manufactured and normally equipped by FMC Corporation, Cable Crane and Excavator Division.

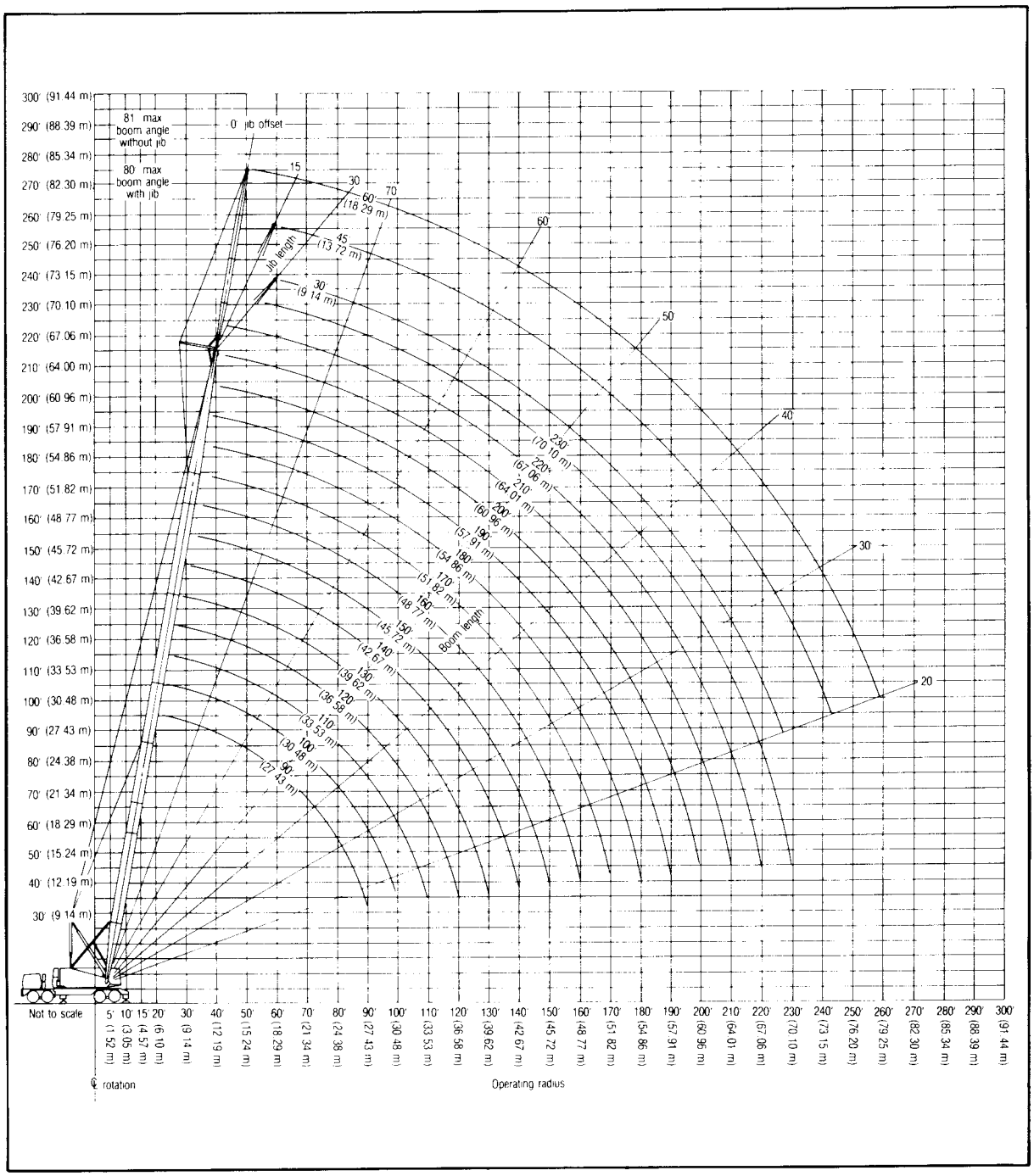
HC-218A boom/jib working ranges — tapered boom

Boom — tubular: 60" *(1.52 m)* wide, 50" *(1.27 m)* deep with 40' *(12.19 m)* long tapered top section, 1⅜" *(35 mm)* boom pendants, boom live mast, and boom midpoint suspension pendants as required.

Jib — tubular: 32" *(0.81 m)* wide, 24" *(0.61 m)* deep.

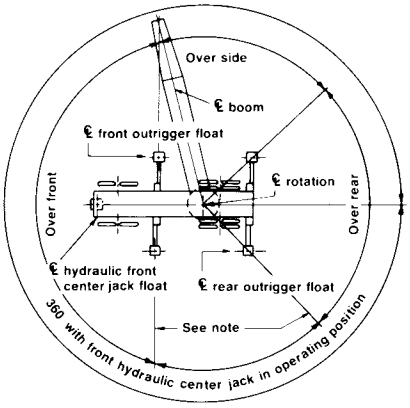
Mounting — rubber tire mobile base: FMC, 8 x 4 drive, 260" *(6.60 m)* wheelbase, 11' 0" *(3.35 m)* wide.

Counterweights — Refer to charts *Page 200.33*

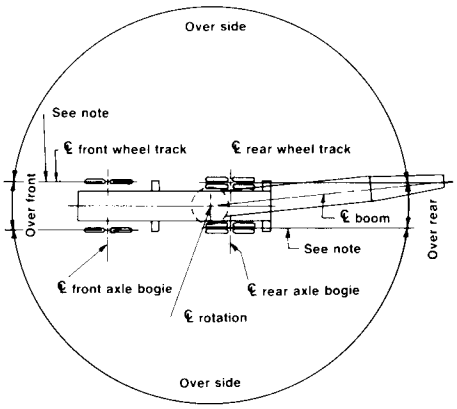


FMC

HC-218A working areas



Rubber tire mobile base on outriggers



Rubber tire mobile base on tires

Note: These lines determine the limiting position of any load for operation within working areas indicated.

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

FMC Corporation Cable Crane and Excavator Division Cedar Rapids Iowa 52406
Link-Belt® cranes & excavators manufactured in: Cedar Rapids Iowa • Lexington & Bowling Green Kentucky • Ontario Canada • Milan Italy • Queretaro Mexico & Nagoya Japan (under license)

HC-218A jib capacities — tapered boom (U.S. units)

Boom — tubular: 60" wide, 50" deep *with 40'* long tapered top section, 1⅜" diameter boom pendants, boom live mast and boom midpoint suspension pendants as required.

Jib — tubular: 32" wide, 24" deep.

Mounting — rubber tire mobile base: FMC, 8 x 4 drive, 260" wheelbase, 11' 0" wide.

Refer to **Notes** *Page 200.45*

Counterweights — Upper counterweight "AB" — 33,000 lbs ; bumper counterweight "A" — 13,500 lbs.

Boom length	Load radius	Capacities on outriggers — over side and 360° swing①								
		30° jib			45° jib			60° jib		
		Jib angles to boom (jib offset degrees)								
		0°	15°	30°	0°	15°	30°	0°	15°	30°
Feet	Feet	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
90	25	23,800*								
	30	22,700*			16,300*			13,700*		
	35	21,600*	16,800*		15,700*			13,200*		
	40	20,400*	16,100*	12,900*	15,100*	12,600*		12,700*		
	50	18,100*	14,800*	12,400*	14,000*	11,100*	7,800*	11,700*	9,400*	
	60	16,200*	13,400*	11,800*	12,700*	9,600*	7,500*	10,600*	8,400*	5,800*
	70	14,800*	12,600*	11,300*	11,100*	8,000*	7,200*	9,500*	7,200*	5,600*
	80	13,200*	12,000*	10,700*	9,500*	7,600*	6,700*	8,300*	6,100*	5,300*
	90	12,400*	11,300*	10,000*	7,900*	7,300*	6,000*	7,100*	5,700*	4,900*
	100	11,700*	10,600*		7,500*	6,800*	5,200*	5,900*	5,400*	4,300*
	110	10,800*			7,100*	6,000*		5,600*	5,000*	3,600*
	120				6,300*	5,000*		5,200*	4,300*	
	130				5,100*			4,700*	3,500*	
	140							3,600*		
110	30	23,600*								
	35	22,600*			16,200*			13,600*		
	40	21,600*	16,700*		15,700*			13,100*		
	50	19,600*	15,600*	12,600*	14,700*	11,800*		12,200*	9,800*	
	60	17,600*	14,400*	12,200*	13,600*	10,500*	7,600*	11,300*	8,900*	
	70	16,100*	13,200*	11,700*	12,500*	9,100*	7,400*	10,300*	7,900*	5,700*
	80	14,900*	12,600*	11,200*	11,100*	7,900*	7,100*	9,400*	6,900*	5,400*
	90	13,600*	12,100*	10,700*	9,700*	7,600*	6,600*	8,300*	5,900*	5,200*
	100	12,700*	11,500*	10,200*	8,200*	7,300*	6,000*	7,300*	5,700*	4,800*
	110	11,700	10,900*		7,700*	7,000*	5,300*	6,200*	5,400*	4,300*
	120	10,200	10,300*		7,300*	6,300*		5,700*	5,100*	3,600*
	130	8,900			6,900*	5,600*		5,400*	4,600*	3,000*
	140				6,000*			5,100*	3,900*	
	150							4,400*	3,100*	
	160							3,400*		
130	35	23,300*			16,500*					
	40	22,500*	17,200*		16,100*			13,500*		
	50	20,800*	16,100*	12,800*	15,200*	12,300*		12,700*		
	60	19,000*	15,100*	12,400*	14,300*	11,200*	7,800*	11,800*	9,300*	
	70	17,300*	14,100*	12,000*	13,400*	10,000*	7,500*	11,000*	8,500*	5,800*
	80	16,100*	13,000*	11,600*	12,300*	8,800*	7,300*	10,100*	7,600*	5,600*
	90	15,000*	12,600*	11,200*	11,100*	7,900*	7,000*	9,300*	6,700*	5,300*
	100	13,200	12,100*	10,700*	9,800*	7,600*	6,600*	8,400*	5,900*	5,100*
	110	11,300	11,500*	10,300*	8,500*	7,400*	6,000*	7,400*	5,700*	4,800*
	120	9,700	9,900		7,800*	7,100*	5,400*	6,400*	5,400*	4,300*
	130	8,400	8,600		7,500*	6,600*		5,800*	5,200*	3,700*
	140	7,300	7,400		7,200*	5,900*		5,500*	4,800*	3,100*
	150	6,400			6,500	5,200*		5,200*	4,200*	
	160				5,700			4,900*	3,600*	
	170							4,100*		
	180							3,200*		
150	40	23,200*			16,400*					
	50	21,700*	16,500*	12,900*	15,600*	12,700*		13,000*		
	60	20,100*	15,700*	12,600*	14,800*	11,700*	7,800*	12,300*	9,600*	
	70	18,600*	14,800*	12,200*	14,000*	10,700*	7,600*	11,500*	8,900*	5,900*
	80	17,000*	13,800*	11,900*	13,200*	9,600*	7,400*	10,800*	8,100*	5,700*
	90	15,100	12,900*	11,500*	12,100*	8,500*	7,200*	10,000*	7,300*	5,500*
	100	12,700	12,600*	11,200*	11,000*	7,800*	7,000*	9,200*	6,500*	5,300*
	110	10,800	11,100	10,800*	9,900*	7,600*	6,500*	8,400*	5,900*	5,100*
	120	9,300	9,500	9,800	8,700*	7,400*	6,000*	7,500*	5,700*	4,300*
	130	8,000	8,200		7,900*	7,100*	5,500*	6,600*	5,400*	3,700*
	140	6,900	7,100		7,000*	6,800*	5,000*	5,900*	5,200*	3,200*
	150	5,900	6,100		6,100	6,200*		5,600*	5,000*	2,900*
	160	5,100			5,300	5,500		5,400	4,500*	
	170	4,400			4,500			4,600	3,900*	
	180				3,900			4,000	3,300*	
	190							3,400		
	200							2,900		

① Refer note #1-b. *Page 200.45*

(continued)

HC-218A jib capacities — tapered boom (U.S. units)

Refer to **Notes** *Page 200.45*

Boom length	Load radius	Capacities on outriggers — over side and 360 swing①								
		30′ jib			45′ jib			60′ jib		
		Jib angles to boom (jib offset degrees)								
		0	15	30	0	15	30	0	15	30
Feet	Feet	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
170	40	23,700*			16,000*			13,300*		
	50	22,400*	16,900*		15,200*	12,100*		12,700*	9,900*	
	60	21,000*	16,100*	12,700*	14,500*	11,200*	7,700*	12,000*	9,200*	
	70	19,600*	15,300*	12,400*	13,700*	10,200*	7,500*	11,300*	8,500*	5,800*
	80	17,600	14,500*	12,100*	13,000*	9,300*	7,300*	10,600*	7,800*	5,600*
	90	14,700	13,600*	11,800*	12,000*	8,300*	7,100*	9,900*	7,100*	5,400*
	100	12,300	12,700	11,400*	10,500	7,800*	6,600*	9,100*	6,300*	4,500*
	110	10,400	10,800	10,000*	9,000	7,600*	5,800*	8,400*	5,900*	3,900*
	120	8,800	9,100	8,800*	7,600	7,400*	4,900*	7,600*	5,700*	3,300*
	130	7,500	7,800	7,800*	6,500	6,900	4,300*	6,600	5,500*	2,900*
	140	6,400	6,700	6,800	5,600	5,900	3,800*	5,700	4,800*	2,500*
	150	5,500	5,700		4,800	5,100		4,900	4,300*	2,200*
	160	4,600	4,800		4,100	4,300		4,100	3,900*	
	170	3,900	4,100		3,400	3,600		3,500	3,400*	
	180	3,300			2,900			2,900	3,100	
	190	2,700			2,400			2,400	2,700	
	200							2,000		
	210							1,600		
	220									
190	50	22,900*	17,300*		16,200*			13,600*		
	60	21,700*	16,400*	12,800*	15,600*	12,500*		13,000*		
	70	20,200*	15,700*	12,600*	14,900*	11,600*	7,800*	12,300*	9,500*	
	80	17,100	15,000*	12,300*	14,200*	10,800*	7,600*	11,700*	8,900*	5,800*
	90	14,200	13,600*	11,200*	13,000*	9,900*	7,400*	11,100*	8,200*	5,600*
	100	11,900	11,900*	9,500*	11,400*	9,000*	6,700*	9,900*	7,600*	4,800*
	110	9,900	10,400	8,300*	10,100	8,100*	5,800*	8,700*	6,800*	4,000*
	120	8,400	8,700	7,300*	8,500	7,400*	4,900*	7,600*	6,000*	3,500*
	130	7,100	7,400	6,400*	7,200	6,600*	4,300*	6,800*	5,200*	2,900*
	140	6,000	6,200	5,600*	6,100	5,900*	3,800*	6,100*	4,500*	2,500*
	150	5,000	5,300	5,000*	5,100	5,200*	3,300*	5,200	4,000*	2,200*
	160	4,200	4,400		4,300	4,600	2,900*	4,400	3,600*	2,000*
	170	3,500	3,700		3,600	3,900		3,700	3,200*	1,700*
	180	2,800	3,000		3,000	3,200		3,000	2,800*	1,500*
	190	2,300	2,400		2,400	2,600		2,500	2,600*	
	200	1,800			1,900	2,100		2,000	2,200	
	210							1,500	1,800	
200	50	23,200*			16,400*			13,700*		
	60	20,600*	16,600*	12,900*	15,700*	12,600*		13,100*		
	70	17,800*	15,900*	12,600*	15,100*	11,800*	7,800*	12,500*	9,600*	
	80	14,800*	13,900*	11,700*	13,200*	11,000*	7,700*	11,600*	9,000*	5,900*
	90	13,100*	12,100*	10,100*	11,600*	10,200*	7,400*	10,200*	8,400*	5,300*
	100	11,400*	10,600*	8,800*	10,100*	8,900*	6,200*	8,800*	7,300*	4,500*
	110	9,700	9,300*	7,500*	8,900*	7,600*	5,400*	7,800*	6,300*	3,800*
	120	8,100	8,300*	6,600*	7,900*	6,700*	4,600*	6,900*	5,400*	3,300*
	130	6,800	7,200	5,800*	6,900	5,900*	3,900*	6,000*	4,700*	2,800*
	140	5,700	6,000	5,000*	5,800*	5,200*	3,500*	5,300*	4,200*	2,400*
	150	4,800	5,000	4,600*	4,900	4,600*	3,100*	4,800*	3,600*	2,100*
	160	4,000	4,200	4,100*	4,100	4,100*	2,700*	4,100	3,300*	1,800*
	170	3,200	3,400		3,300	3,700	2,400*	3,400	2,900*	1,600*
	180	2,600	2,800		2,700	3,000		2,800	2,500*	
	190	2,000	2,200		2,100	2,400		2,200	2,300*	
	200	1,500			1,600	1,900		1,700	2,000	
210	50	21,400*			16,500*			13,200*		
	60	18,500*	16,700*	12,900*	15,900*	12,800*		12,200*	9,700*	
	70	15,000*	14,400*	12,600*	13,600*	12,000*	7,900*	10,500*	9,100*	5,900*
	80	13,200*	12,500*	10,700*	11,900*	10,800*	7,700*	9,100*	7,700*	5,100*
	90	11,600*	10,900*	9,200*	10,400*	9,200*	6,900*	7,900*	6,600*	4,200*
	100	10,100*	9,500*	7,800*	8,900*	8,000*	5,800*	6,900*	5,600*	3,500*
	110	9,000*	8,300*	6,900*	7,900*	7,000*	5,000*	6,100*	4,900*	3,000*
	120	7,900	7,200*	5,900*	7,000*	6,000*	4,300*	5,400*	4,300*	2,600*
	130	6,600	6,500*	5,300*	6,200*	5,300*	3,700*	4,700*	3,700*	2,200*
	140	5,500	5,800	4,600*	5,500*	4,700*	3,200*	4,200*	3,300*	2,000*
	150	4,500	4,800	4,100*	4,700	4,100*	2,800*	3,800*	2,900*	1,700*
	160	3,700	4,000	3,600*	3,800	3,700*	2,400*	3,200	2,500*	1,500*
	170	3,000	3,200		3,100	3,300*	2,200*	2,500	2,300*	
	180	2,400	2,600		2,500	2,800		2,000	2,100*	
	190	1,800	2,000		1,900	2,200		1,500	1,800	
	200									

① Refer note #1-b. *Page 200.45*

(continued)

HC-218A jib capacities — tapered boom (U.S. units)

Refer to **Notes** *Page 200.45*

Boom — tubular: 60" wide, 50" deep *with 40'* long tapered top section, 1⅜" diameter boom pendants, boom live mast and boom midpoint suspension pendants as required.

Jib — tubular: 32" wide, 24" deep.

Mounting — rubber tire mobile base: FMC, 8 x 4 drive, 260" wheelbase, 11' 0" wide.

Counterweights — Upper counterweight "AB" — 33,000 lbs.; bumper counterweight "A" — 13,500 lbs.

Boom length	Load radius	Capacities on outriggers — over rear only								
		30' jib			45' jib			60' jib		
		Jib angles to boom (jib offset degrees)								
		0°	15°	30°	0°	15°	30°	0°	15°	30°
Feet	Feet	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
90	25	23,800*								
	30	22,700*			16,300*			13,700*		
	35	21,600*	16,800*		15,700*			13,200*		
	40	20,400*	16,100*	12,900*	15,100*	12,600*		12,700*		
	50	18,100*	14,800*	12,400*	14,000*	11,100*	7,800*	11,700*	9,400*	
	60	16,200*	13,400*	11,800*	12,700*	9,600*	7,500*	10,600*	8,400*	5,800*
	70	14,800*	12,600*	11,300*	11,100*	8,000*	7,200*	9,500*	7,200*	5,600*
	80	13,200*	12,000*	10,700*	9,500*	7,600*	6,700*	8,300*	6,100*	5,300*
	90	12,400*	11,300*	10,000*	7,900*	7,300*	6,000*	7,100*	5,700*	4,900*
	100	11,700*	10,600*		7,500*	6,800*	5,200*	5,900*	5,400*	4,300*
	110	10,800*			7,100*	6,000*		5,600*	5,000*	3,600*
	120				6,300*	5,000*		5,200*	4,300*	
	130				5,100*			4,700*	3,500*	
	140							3,600*		
110	30	23,600*								
	35	22,600*			16,200*			13,600*		
	40	21,600*	16,700*		15,700*			13,100*		
	50	19,600*	15,600*	12,600*	14,700*	11,800*		12,200*	9,800*	
	60	17,600*	14,400*	12,200*	13,600*	10,500*	7,600*	11,300*	8,900*	
	70	16,100*	13,200*	11,700*	12,500*	9,100*	7,400*	10,300*	7,900*	5,700*
	80	14,900*	12,600*	11,200*	11,100*	7,900*	7,100*	9,400*	6,900*	5,400*
	90	13,600*	12,100*	10,700*	9,700*	7,600*	6,600*	8,300*	5,900*	5,200*
	100	12,700*	11,500*	10,200*	8,200*	7,300*	6,000*	7,300*	5,700*	4,800*
	110	12,100*	10,900*		7,700*	7,000*	5,300*	6,200*	5,400*	4,300*
	120	11,400*	10,300*		7,300*	6,300*		5,700*	5,100*	3,600*
	130	10,600*			6,900*	5,600*		5,400*	4,600*	3,000*
	140				6,000*			5,100*	3,900*	
	150							4,400*	3,100*	
	160							3,400*		
130	35	23,300*			16,500*			13,500*		
	40	22,500*	17,200*		16,100*			12,700*		
	50	20,800*	16,100*	12,800*	15,200*	12,300*		11,800*	9,300*	
	60	19,000*	15,100*	12,400*	14,300*	11,200*	7,800*	11,000*	8,500*	5,800*
	70	17,300*	14,100*	12,000*	13,400*	10,000*	7,500*	10,100*	7,600*	5,600*
	80	16,100*	13,000*	11,600*	12,300*	8,800*	7,300*	9,300*	6,700*	5,300*
	90	15,000*	12,600*	11,200*	11,100*	7,900*	7,000*	8,400*	5,900*	5,100*
	100	13,800*	12,100*	10,700*	9,800*	7,600*	6,600*	7,400*	5,700*	4,800*
	110	12,800*	11,700*	10,300*	8,500*	7,400*	6,000*	6,400*	5,400*	4,300*
	120	12,300*	11,200*		7,800*	7,100*	5,400*	5,800*	5,200*	3,700*
	130	11,800*	10,600*		7,500*	6,600*		5,500*	4,800*	3,100*
	140	11,000*	10,000*		7,200*	5,900*		5,200*	4,200*	
	150	9,800*			6,600*	5,200*		4,900*	3,600*	
	160				5,800*			4,100*		
	170							3,200*		
	180									
150	40	23,200*			16,400*			13,000*		
	50	21,700*	16,500*	12,900*	15,600*	12,700*		12,300*	9,600*	
	60	20,100*	15,700*	12,600*	14,800*	11,700*	7,800*	11,500*	8,900*	5,900*
	70	18,600*	14,800*	12,200*	14,000*	10,700*	7,600*	10,800*	8,100*	5,700*
	80	17,000*	13,800*	11,900*	13,200*	9,600*	7,400*	10,000*	7,300*	5,500*
	90	16,000*	12,900*	11,500*	12,100*	8,500*	7,200*	9,200*	6,500*	5,300*
	100	15,000*	12,600*	11,200*	11,000*	7,800*	7,000*	8,400*	5,900*	5,000*
	110	14,000*	12,200*	10,800*	9,900*	7,600*	6,500*	7,500*	5,700*	4,300*
	120	13,000*	11,800*	10,400*	8,700*	7,400*	6,000*	6,600*	5,400*	3,700*
	130	11,800*	11,300*		7,900*	7,100*	5,500*	5,900*	5,200*	3,200*
	140	10,400*	10,600*		7,600*	6,800*	5,000*	5,600*	5,000*	2,900*
	150	9,300*	9,400*		7,300*	6,200*		5,400*	4,500*	
	160	8,200*			7,000*	5,600*		5,100*	3,900*	
	170	7,300*			6,400*			4,700*	3,300*	
	180				5,600*			3,900*		
	190							3,100*		
	200									
170	40	23,700*								
	50	22,400*	16,900*		16,000*			13,300*		
	60	21,000*	16,100*	12,700*	15,200*	12,100*		12,700*	9,900*	
	70	19,600*	15,300*	12,400*	14,500*	11,200*	7,700*	12,000*	9,200*	
	80	18,200*	14,500*	12,100*	13,700*	10,200*	7,500*	11,300*	8,500*	5,800*
	90	16,800*	13,600*	11,800*	13,000*	9,300*	7,300*	10,600*	7,800*	5,600*
	100	16,000*	12,900*	11,500*	12,000*	8,300*	7,100*	9,900*	7,100*	5,400*
	110	14,700*	12,600*	9,900*	11,000*	7,800*	6,600*	9,100*	6,300*	4,500*
	120	12,800*	11,900*	8,600*	10,000*	7,600*	5,700*	8,400*	5,900*	3,900*
	130	11,200*	10,400*	7,700*	8,900*	7,400*	5,000*	7,600*	5,700*	3,400*
	140	9,800*	9,500*	6,800*	7,900*	7,200*	4,400*	6,800*	5,500*	2,900*
	150	8,600*	8,500*		7,700*	6,500*	3,800*	6,000*	4,900*	2,500*

(continued)

HC-218A jib capacities — tapered boom (U.S. units)

Refer to **Notes** *Page 200.45*

Boom length	Load radius	Capacities on outriggers — over rear only								
		30' jib			45' jib			60' jib		
		Jib angles to boom (jib offset degrees)								
		0°	15	30	0	15	30	0	15	30
Feet	Feet	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
170	160	7,600*	7,600*		7,400*	5,700*		5,700*	4,300*	2,200*
	170	6,700*	6,800*		6,700*	5,200*		5,500*	3,800*	
	180	5,900*			6,000*	4,700*		5,000*	3,500*	
	190	5,100*			5,200*			4,600*	3,200*	
	200				4,600*			4,200*	2,900*	
	210							3,800*		
	220							3,000*		
180	50	22,700*	17,100*		16,100*			13,500*		
	60	21,400*	16,300*	12,800*	15,400*	12,300*		12,800*		
	70	20,000*	15,500*	12,500*	14,700*	11,400*	7,800*	12,200*	9,400*	
	80	18,700*	14,700*	12,200*	14,000*	10,500*	7,600*	11,500*	8,700*	5,800*
	90	17,300*	14,000*	11,900*	13,300*	9,600*	7,400*	10,800*	8,000*	5,600*
	100	14,900*	13,100*	10,600*	12,400*	8,700*	7,200*	10,100*	7,300*	5,000*
	110	13,200*	11,800*	9,100*	11,400*	7,900*	6,200*	9,400*	6,600*	4,300*
	120	11,900*	10,500*	8,000*	10,100*	7,700*	5,400*	8,700*	5,900*	3,700*
	130	10,500*	9,300*	7,000*	9,000*	7,200*	4,600*	7,600*	5,700*	3,100*
	140	9,500*	8,300*	6,100*	8,000*	6,500*	4,000*	6,800*	5,000*	2,700*
	150	8,300*	7,600*		7,400*	5,700*	3,600*	6,100*	4,500*	2,400*
	160	7,300*	6,800*		6,600*	5,200*		5,500*	3,900*	2,100*
	170	6,400*	6,100*		6,000*	4,700*		5,000*	3,500*	1,900*
	180	5,600*	5,500*		5,400*	4,200*		4,500*	3,200*	
	190	4,800*			4,900*	3,900*		4,100*	2,900*	
	200	4,200*			4,300*			3,700*	2,600*	
	210				3,700*			3,400*		
	220							3,200*		
190	50	22,900*	17,300*		16,200*			13,600*		
	60	21,600*	16,400*	12,800*	15,600*	12,500*		13,000*		
	70	20,200*	15,700*	12,600*	14,900*	11,600*	7,800*	12,300*	9,500*	
	80	17,500*	15,000*	12,300*	14,200*	10,800*	7,600*	11,700*	8,900*	5,800*
	90	14,700*	13,600*	11,000*	13,000*	9,900*	7,400*	11,100*	8,200*	5,700*
	100	13,000*	11,900*	9,600*	11,400*	9,000*	6,800*	9,900*	7,600*	4,800*
	110	11,600*	10,500*	8,200*	10,800*	8,100*	5,800*	8,600*	6,800*	4,000*
	120	10,200*	9,300*	7,300*	8,900*	7,500*	5,000*	7,700*	5,900*	3,400*
	130	9,200*	8,200*	6,300*	7,900*	6,500*	4,300*	6,900*	5,200*	3,000*
	140	8,200*	7,300*	5,600*	7,100*	5,900*	3,800*	6,000*	4,600*	2,600*
	150	7,500*	6,700*	5,000*	6,500*	5,100*	3,300*	5,400*	4,100*	2,200*
	160	6,800*	6,000*		5,800*	4,600*	2,900*	4,800*	3,600*	2,000*
	170	6,100*	5,500*		5,200*	4,200*		4,400*	3,200*	1,800*
	180	5,300*	5,000*		4,700*	3,800*		3,900*	2,800*	1,500*
	190	4,500*	4,500*		4,300*	3,500*		3,600*	2,600*	
	200	3,900*			3,900*	3,100*		3,300*	2,300*	
	210	3,300*			3,400*			3,000*	2,200*	
	220				2,900*			2,800*		
	230							2,500*		
200	50	23,200*			16,400*			13,700*		
	60	20,500*	16,600*	12,900*	15,700*	12,600*		13,100*		
	70	17,900*	15,900*	12,600*	15,100*	11,800*	7,800*	12,500*	9,600*	
	80	14,900*	13,900*	11,800*	13,200*	11,000*	7,700*	11,700*	9,000*	5,900*
	90	13,100*	12,100*	10,000*	11,500*	10,200*	7,400*	10,100*	8,400*	5,400*
	100	11,500*	10,700*	8,600*	10,200*	8,900*	6,300*	8,800*	7,300*	4,500*
	110	10,300*	9,400*	7,500*	8,900*	7,700*	5,300*	7,800*	6,200*	3,800*
	120	9,000*	8,300*	6,600*	7,900*	6,800*	4,600*	6,800*	5,400*	3,200*
	130	8,100*	7,300*	5,800*	7,000*	5,900*	4,000*	6,000*	4,700*	2,800*
	140	7,300*	6,500*	5,100*	6,300*	5,200*	3,400*	5,400*	4,100*	2,400*
	150	6,500*	5,800*	4,600*	5,600*	4,600*	3,100*	4,700*	3,700*	2,100*
	160	5,900*	5,200*	4,000*	5,000*	4,100*	2,700*	4,300*	3,200*	1,800*
	170	5,300*	4,800*		4,600*	3,700*	2,400*	3,800*	2,900*	1,600*
	180	4,800*	4,300*		4,100*	3,300*		3,500*	2,600*	
	190	4,300*	3,900*		3,800*	3,100*		3,100*	2,300*	
	200	3,600*			3,400*	2,800*		2,800*	2,100*	
	210	3,000*			3,100*	2,500*		2,600*	1,900*	
	220	2,500*			2,600*			2,400*	1,700*	
	230				2,100*			2,100*		
	240							1,700*		
210	50	21,400*			16,500*					
	60	18,300*	16,700*	12,900*	15,700*	12,800*		13,200*		
	70	15,100*	14,500*	12,500*	13,700*	12,000*	7,900*	12,100*	9,700*	
	80	13,200*	12,400*	10,700*	11,800*	10,700*	7,700*	10,400*	9,000*	5,900*
	90	11,500*	10,900*	9,100*	10,300*	9,200*	6,800*	9,200*	7,700*	5,000*
	100	10,200*	9,400*	7,800*	8,900*	7,900*	5,800*	7,900*	6,600*	4,200*
	110	8,900*	8,300*	6,800*	7,800*	6,900*	5,000*	6,900*	5,600*	3,600*
	120	8,000*	7,300*	5,900*	6,900*	6,000*	4,300*	6,100*	5,000*	3,000*
	130	7,100*	6,500*	5,200*	6,200*	5,300*	3,700*	5,300*	4,300*	2,600*
	140	6,300*	5,800*	4,600*	5,500*	4,700*	3,200*	4,800*	3,800*	2,200*
	150	5,700*	5,100*	4,000*	4,900*	4,100*	2,800*	4,200*	3,300*	1,900*
	160	5,100*	4,600*	3,600*	4,400*	3,600*	2,500*	3,700*	2,900*	1,700*
	170	4,600*	4,200*		4,000*	3,300*	2,200*	3,300*	2,600*	1,500*
	180	4,200*	3,800*		3,600*	3,000*		3,100*	2,300*	
	190	3,800*	3,400*		3,300*	2,700*		2,700*	2,100*	
	200	3,300*	3,100*		3,000*	2,400*		2,500*	1,900*	
	210	2,700*			2,700*	2,200*		2,300*	1,700*	
	220	2,200*			2,300*			2,100*	1,600*	
	230	1,700*			1,800*			1,800*		

HC-218A jib capacities — tapered boom (U.S. Units)

Notes — tubular jib capacities

1. The capacities included in this chart are the maximum allowable, and are based on machine standing level on firm supporting surface under ideal job conditions. Capacities are based on 85% of minimum tipping loads unless marked with an asterisk (*).
   a. Asterisk indicates capacities are based on factors other than those which would cause a tipping condition.
   b. Capacities for 360° swing applicable **only** when front center jack and front and rear outriggers are set in proper working position.
2. Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, supporting surface conditions, inflation of tires, and operating speeds. Operator must reduce load ratings accordingly to take such conditions into account. Deduction from rated capacities must be made for weight of jib, hook block, ball/hook, sling, spreader bar, or other suspended gear.
3. Boom lengths exceeding 150' — boom midpoint suspension pendants required.
4. Main boom lengths must not exceed 230'.
5. For lifting 200,000 lbs., 10 parts of 7/8" diameter Type "N" wire rope are required. Check parts of line required for all capacities.
6. Jib cannot be used on boom lengths less than 40' or longer than 200'.
7. Refer to all notes on applicable lifting crane capacity chart in addition to these notes.
9. Telescopic boom live mast, pinned in the extended 24' position, required for all open throat boom capacities.
10. Least stable position is over side.
11. When handling loads on main load hoist line with jib mounted on boom, reduce rated boom capacities as follows to compensate for jib weights —
    30' jib — 2,000 lbs.
    45' jib — 2,400 lbs.
    60' jib — 3,200 lbs.
12. Capacities apply only to the machine as originally manufactured and normally equipped by FMC Corporation, Cable Crane and Excavator Division.

FMC

Link-Belt® HC-218A lifting crane capacities — hammerhead boom

PCSA Class 12-470
Refer to **Notes** *Page 200.53*

Boom — tubular: 60" (1.52 m) wide, 50" *(1.27 m)* deep with 5' *(1.52 m)* long hammerhead top section, 1⅜" *(35 mm)* diameter boom pendants, boom live mast, and boom midpoint suspension pendants as required.

Jib — tubular: 32" *(0.81 m)* wide, 24" *(0.61 m)* deep.

Mounting — rubber tire mobile base: FMC, 8 x 4 drive, 260" *(6.60 m)* wheelbase, 11' 0" *(3.35 m)* wide.

Counterweights — Refer to charts below.

Counterweights					
"A" upper		"AB" upper		"A" bumper	
Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*
21,000	*9 526*	33,000	*14 969*	13,500	*6 124*

Hammerhead boom and boom + jib machine can lift off ground unassisted, without load ①.

Standard HC-218A must be equipped with the counterweight combinations below when the indicated boom and boom + jib lengths are used.	Minimum/ maximum boom or boom + jib lengths allowed	On outriggers							
		Over rear				Over side			
		Boom		Boom + jib		Boom		Boom + jib	
		Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*
"A" upper and "A" bumper	Minimum	30	*9.14*	Not applicable		30	*9.14*	Not applicable	
	Maximum	220	*67.06*			180	*54.86*		
"AB" upper and "A" bumper	Minimum	30	*9.14*	40 + 30	*12.19 + 9.14*	30	*9.14*	40 + 30	*12.19 + 9.14*
	Maximum	230	*70.10*	200 + 60	*60.96 + 18.29*	200	*60.96*	170 + 60	*51.82 + 18.29*
On tires②									
"A" upper and "A" bumper	Minimum	30	*9.14*	Not applicable		30	*9.14*	Not applicable	
	Maximum	160	*48.77*			120	*36.58*		

①Limited to 95% of available stability with machine standing level on firm supporting surface.
②Air pressure in tires to be 100 p.s.i. *(690 kPa)*.

Machine travel with hammerhead boom or boom + jib, with no load ①.

Standard HC-218A must be equipped with the counterweight combinations below when the indicated boom and boom + jib lengths are used.	Minimum/ maximum boom or boom + jib lengths allowed	On tires②							
		Jobsite moves at 1 m.p.h. *(1.61 km/h)*, boom at 80° boom angle, upper facing rear only.				Over the road travel at 5 m.p.h. *(8.05 km/h)*, boom horizontal over rear and supported with standard suspension, and boom live mast pinned in 24' *(7.32 m)* position.			
		Boom		Boom + jib		Boom		Boom + jib	
		Feet	*meters*	Feet	*meters*	Feet	*meters*	Feet	*meters*
"A" upper and "A" bumper	Minimum	30	*9.14*	Not applicable		30	*9.14*	Not applicable	
	Maximum	220	*67.06*			130	*39.62*		
"AB" upper and "A" bumper	Minimum	30	*9.14*	40 + 30	*12.19 + 9.14*	30	*9.14*	40 + 30	*12.19 + 9.14*
	Maximum	230	*70.10*	200 + 60	*60.96 + 18.29*	150	*45.72*	120 + 60	*36.58 + 18.29*

①Limited to 85% of available stability with machine standing level on firm supporting surface.
②Air pressure in front and rear tires to be 100 p.s.i. *(690 kPa)*.
Note: Hook block may be carried only when attached to mounting.

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HC-218A lifting crane capacities — hammerhead boom

PCSA Class 12-470
Refer to **Notes** *Page 200.53*

Boom — tubular: 60″ *(1.57 m)* wide, 50″ *(1.27 m)* deep with 5′ *(1.52 m)* long hammerhead top section, 1⅜″ *(35 mm)* boom pendants, boom live mast, and boom midpoint suspension pendants as required.

Mounting — rubber tire mobile base: FMC, 8 x 4 drive, 260″ *(6.60 m)* wheelbase, 11′ 0″ *(3.35 m)* wide.

Counterweights — Refer to charts *Page 200.47*

HC-218A hammerhead boom						"A" upper & "A" bumper① counterweights								"AB" upper & "A" bumper counterweights			
						On outriggers				On tires (static)				On outriggers only			
	Radius		Angle	Boom point height②		Over rear		Over side and 360° swing③		Over rear		Over side		Over rear		Over side and 360 swing③	
Length	Feet	*meters*	Degrees	Feet	*meters*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*
30′ *(9.14 m)*	12	*3.66*	77.6	33′ 11″	*10.33*	164,000*	*74 389**	164,000*	*74 389**	89,700*	*40 687**	68,300*	*30 980**	164,000*	*74 389**	164,000*	*74 389**
	13	*3.96*	75.5	33′ 7″	*10.23*	154,600*	*70 125**	154,600*	*70 125**	86,600*	*39 281**	63,900*	*28 984**	154,600*	*70 125**	154,600*	*70 125**
	14	*4.27*	73.3	33′ 2″	*10.11*	144,600*	*65 589**	144,600*	*65 589**	83,800*	*38 011**	60,000*	*27 215**	144,600*	*65 589**	144,600*	*65 589**
	15	*4.57*	71.0	32′ 9″	*9.98*	135,800*	*61 597**	135,800*	*61 597**	81,300*	*36 877**	56,500*	*25 627**	135,800*	*61 597**	135,800*	*61 597**
	16	*4.88*	68.8	32′ 3″	*9.83*	128,000*	*58 059**	128,000*	*58 059**	78,900*	*35 788**	53,300*	*24 176**	128,000*	*58 059**	128,000*	*58 059**
	17	*5.18*	66.4	31′ 9″	*9.67*	120,900*	*54 839**	120,900*	*54 839**	76,700*	*34 790**	50,500*	*22 906**	120,900*	*54 839**	120,900*	*54 839**
	18	*5.49*	64.1	31′ 2″	*9.50*	114,600*	*51 981**	114,600*	*51 981**	74,700*	*33 883**	47,900*	*21 727**	114,600*	*51 981**	114,600*	*51 981**
	19	*5.79*	61.6	30′ 6″	*9.30*	108,900*	*49 396**	108,900*	*49 396**	72,700*	*32 976**	45,500*	*20 638**	108,900*	*49 396**	108,900*	*49 396**
	20	*6.10*	59.1	29′ 10″	*9.09*	103,700*	*47 037**	103,700*	*47 037**	70,900*	*32 159**	43,400*	*19 685**	103,700*	*47 037**	103,700*	*47 037**
	25	*7.62*	44.9	25′ 1″	*7.65*	81,300*	*36 877**	81,300*	*36 877**	53,500	*24 267*	31,700	*14 378*	81,300*	*36 877**	81,300*	*36 877**
40′ *(12.19 m)*	12	*3.66*	81.0	44′ 3″	*13.48*	164,000*	*74 389**	164,000*	*74 389**	89,200*	*40 460**	68,000*	*30 844**	164,000*	*74 389**	164,000*	*74 389**
	13	*3.96*	79.4	44′ 0″	*13.40*	154,500*	*70 080**	154,500*	*70 080**	86,200*	*39 099**	63,600*	*28 848**	154,500*	*70 080**	154,500*	*70 080**
	14	*4.27*	77.9	43′ 8″	*13.32*	144,500*	*65 544**	144,500*	*65 544**	83,400*	*37 829**	59,700*	*27 079**	144,500*	*65 544**	144,500*	*65 544**
	15	*4.57*	76.3	43′ 5″	*13.23*	135,700*	*61 552**	135,700*	*61 552**	80,900*	*36 695**	56,200*	*25 491**	135,700*	*61 552**	135,700*	*61 552**
	16	*4.88*	74.7	43′ 1″	*13.13*	127,900*	*58 014**	127,900*	*58 014**	78,500*	*35 607**	53,100*	*24 085**	127,900*	*58 014**	127,900*	*58 014**
	17	*5.18*	73.1	42′ 8″	*13.02*	120,800*	*54 793**	120,800*	*54 793**	76,400*	*34 654**	50,200*	*22 770**	120,800*	*54 793**	120,800*	*54 793**
	18	*5.49*	71.4	42′ 4″	*12.89*	114,500*	*51 936**	114,500*	*51 936**	74,300*	*33 701**	47,600*	*21 591**	114,500*	*51 936**	114,500*	*51 936**
	19	*5.79*	69.8	41′ 10″	*12.76*	108,800*	*49 350**	108,800*	*49 350**	72,400*	*32 840**	45,300*	*20 547**	108,800*	*49 350**	108,800*	*49 350**
	20	6.10	68.1	41′ 5″	*12.62*	103,600*	*46 992**	103,600*	*46 992**	70,600*	*32 023**	43,200*	*19 595**	103,600*	*46 992**	103,600*	*46 992**
	25	*7.62*	59.4	38′ 6″	*11.73*	81,500*	*36 967**	81,500*	*36 967**	53,700	*24 357*	31,900	*14 469*	81,500*	*36 967**	81,500*	*36 967**
	30	*9.14*	49.5	34′ 4″	*10.47*	65,800*	*29 846**	65,800*	*29 846**	42,600	*19 323*	24,800	*11 249*	65,800*	*29 846**	65,800*	*29 846**
	35	*10.67*	37.6	28′ 4″	*8.63*	54,700*	*24 811**	51,600	*23 405*	34,900	*15 830*	19,900	*9 026*	54,700*	*24 811**	54,700*	*24 811**
50′ *(15.24 m)*	14	*4.27*	80.5	54′ 0″	*16.46*	144,700*	*65 634**	144,700*	*65 634**	83,100*	*37 693**	59,500*	*26 988**	144,700*	*65 634**	144,700*	*65 634**
	15	*4.57*	79.2	53′ 9″	*16.39*	135,900*	*61 643**	135,900*	*61 643**	80,500*	*36 514**	56,000*	*25 401**	135,900*	*61 643**	135,900*	*61 643**
	16	*4.88*	78.0	53′ 6″	*16.31*	128,100*	*58 105**	128,100*	*58 105**	78,200*	*35 470**	52,900*	*23 995**	128,100*	*58 105**	128,100*	*58 105**
	17	*5.18*	76.7	53′ 3″	*16.22*	121,000*	*54 884**	121,000*	*54 884**	76,000*	*34 473**	50,000*	*22 679**	121,000*	*54 884**	121,000*	*54 884**
	18	*5.49*	75.5	52′ 11″	*16.13*	114,700*	*52 027**	114,700*	*52 027**	74,000*	*33 565**	47,500*	*21 545**	114,700*	*52 027**	114,700*	*52 027**
	19	*5.79*	74.2	52′ 7″	*16.03*	109,000*	*49 441**	109,000*	*49 441**	72,100*	*32 704**	45,300*	*20 547**	109,000*	*49 441**	109,000*	*49 441**
	20	*6.10*	73.0	52′ 3″	*15.92*	103,800*	*47 082**	103,800*	*47 082**	70,300*	*31 887**	43,100*	*19 549**	103,800*	*47 082**	103,800*	*47 082**
	25	*7.62*	66.4	50′ 1″	*15.26*	81,700*	*37 058**	81,700*	*37 058**	53,900	*24 448*	32,100	*14 560*	81,700*	*37 058**	81,700*	*37 058**
	30	*9.14*	59.5	47′ 2″	*14.37*	66,000*	*29 937**	66,000*	*29 937**	42,700	*19 368*	25,000	*11 339*	66,000*	*29 937**	66,000*	*29 937**
	35	*10.67*	51.9	43′ 4″	*13.21*	55,000*	*24 947**	52,000	*23 586*	35,100	*15 921*	20,200	*9 162*	55,000*	*24 947**	55,000*	*24 947**
	40	*12.19*	43.4	38′ 3″	*11.66*	47,000*	*21 318**	42,400	*19 232*	29,500	*13 380*	16,600	*7 529*	47,000*	*21 318**	47,000*	*21 318**
60′ *(18.29 m)*	16	*4.88*	80.1	63′ 10″	*19.44*	128,400*	*58 241**	128,400*	*58 241**	78,000*	*35 380**	52,900*	*23 995**	128,400*	*58 241**	128,400*	*58 241**
	17	*5.18*	79.1	63′ 7″	*19.37*	121,300*	*55 020**	121,300*	*55 020**	75,800*	*34 382**	50,000*	*22 679**	121,300*	*55 020**	121,300*	*55 020**
	18	*5.49*	78.1	63′ 4″	*19.30*	115,000*	*52 163**	115,000*	*52 163**	73,800*	*33 475**	47,500*	*21 545**	115,000*	*52 163**	115,000*	*52 163**
	19	*5.79*	77.1	63′ 1″	*19.22*	109,300*	*49 577**	109,300*	*49 577**	71,900*	*32 613**	45,300*	*20 547**	109,300*	*49 577**	109,300*	*49 577**
	20	*6.10*	76.0	62′ 9″	*19.13*	104,100*	*47 218**	104,100*	*47 218**	70,100*	*31 796**	43,100*	*19 549**	104,100*	*47 218**	104,100*	*47 218**
	25	*7.62*	70.8	61′ 0″	*18.60*	82,000*	*37 194**	82,000*	*37 194**	54,100	*24 539*	32,400	*14 696*	82,000*	*37 194**	82,000*	*37 194**
	30	*9.14*	65.3	58′ 9″	*17.90*	66,300*	*30 073**	66,300*	*30 073**	42,900	*19 459*	25,200	*11 430*	66,300*	*30 073**	66,300*	*30 073**
	35	*10.67*	59.6	55′ 10″	*17.02*	55,300*	*25 083**	52,300	*23 722*	35,200	*15 966*	20,300	*9 207*	55,300*	*25 083**	55,300*	*25 083**
	40	*12.19*	53.5	52′ 2″	*15.90*	47,300*	*21 454**	42,800	*19 413*	29,600	*13 426*	16,800	*7 620*	47,300*	*21 454**	47,300*	*21 454**
	50	*15.24*	39.1	41′ 8″	*12.71*	36,100*	*16 374**	30,700	*13 925*	22,100	*10 024*	11,900	*5 397*	36,100*	*16 374**	36,100*	*16 374**

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HC-218A hammerhead boom

Length	Radius		Angle	Boom point height ②		"A" upper & "A" bumper① counterweights								"AB" upper & "A" bumper counterweights			
						On outriggers				On tires (static)				On outriggers only			
						Over rear		Over side and 360° swing③		Over rear		Over side		Over rear		Over side and 360° swing③	
	Feet	*meters*	Degrees	Feet	*meters*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*
70' *(21.34 m)*	17	*5.18*	80.7	73' 10"	*22.49*	121,200*	*54 975**	121,200*	*54 975**	75,300*	*34 155**	49,700*	*22 543**	121,200*	*54 975**	121,200*	*54 975**
	18	*5.49*	79.9	73' 7"	*22.43*	114,900*	*52 117**	114,900*	*52 117**	73,300*	*33 248**	47,100*	*21 364**	114,900*	*52 117**	114,900*	*52 117**
	19	*5.79*	79.0	73' 4"	*22.36*	109,200*	*49 532**	109,200*	*49 532**	71,400*	*32 386**	45,000*	*20 411**	109,200*	*49 532**	109,200*	*49 532**
	20	*6.10*	78.1	73' 1"	*22.28*	104,000*	*47 173**	104,000*	*47 173**	69,600*	*31 570**	42,800*	*19 413**	104,000*	*47 173**	104,000*	*47 173**
	25	*7.62*	73.7	71' 8"	*21.84*	81,900*	*37 149**	81,900*	*37 149**	54,000	*24 493*	32,300	*14 651*	81,900*	*37 149**	81,900*	*37 149**
	30	*9.14*	69.2	69' 9"	*21.26*	66,200*	*30 027**	66,200*	*30 027**	42,800	*19 413*	25,100	*11 385*	66,200*	*30 027**	66,200*	*30 027**
	35	*10.67*	64.5	67' 5"	*20.54*	55,200*	*25 038**	52,400	*23 768*	35,100	*15 921*	20,300	*9 207*	55,200*	*25 038**	55,200*	*25 038**
	40	*12.19*	59.6	64' 6"	*19.66*	47,200*	*21 409**	42,800	*19 413*	29,500	*13 380*	16,700	*7 574*	47,200*	*21 409**	47,200*	*21 409**
	50	*15.24*	48.9	56' 8"	*17.28*	36,100*	*16 374**	30,700	*13 925*	22,000	*9 979*	11,900	*5 397*	36,100*	*16 374**	36,100*	*16 374**
	60	*18.29*	35.8	44' 10"	*13.66*	28,800*	*13 063**	23,400	*10 614*	17,100	*7 756*	8,700	*3 946*	28,800*	*13 063**	28,100*	*12 745**
80' *(24.38 m)*	19	*5.79*	80.4	83' 7"	*25.48*	109,000*	*49 441**	109,000*	*49 441**	70,900*	*32 159**	44,600*	*20 230**	109,000*	*49 441**	109,000*	*49 441**
	20	*6.10*	79.7	83' 4"	*25.41*	103,800*	*47 082**	103,800*	*47 082**	69,100*	*31 343**	42,400*	*19 232**	103,800*	*47 082**	103,800*	*47 082**
	25	*7.62*	75.9	82' 1"	*25.03*	81,700*	*37 058**	81,700*	*37 058**	53,900	*24 448*	32,200	*14 605*	81,700*	*37 058**	81,700*	*37 058**
	30	*9.14*	72.0	80' 6"	*24.53*	66,100*	*29 982**	66,100*	*29 982**	42,700	*19 368*	24,900	*11 294*	66,100*	*29 982**	66,100*	*29 982**
	35	*10.67*	68.0	78' 6"	*23.92*	55,100*	*24 992**	52,300	*23 722*	35,000	*15 875*	20,100	*9 117*	55,100*	*24 992**	55,100*	*24 992**
	40	*12.19*	64.0	76' 1"	*23.18*	47,100*	*21 364**	42,700	*19 368*	29,400	*13 335*	16,600	*7 529*	47,100*	*21 364**	47,100*	*21 364**
	50	*15.24*	55.2	69' 9"	*21.25*	36,000*	*16 329**	30,600	*13 879*	21,900	*9 933*	11,700	*5 307*	36,000*	*16 329**	36,000*	*16 329**
	60	*18.29*	45.4	60' 10"	*18.54*	28,700*	*13 018**	23,300	*10 568*	17,000	*7 711*	8,600	*3 900*	28,700*	*13 018**	28,000	*12 700*
	70	*21.34*	33.2	47' 9"	*14.54*	23,500*	*10 659**	18,500	*8 391*	13,500	*6 123*	6,400	*2 902*	23,500*	*10 659**	22,400	*10 160*
90' *(27.43 m)*	20	*6.10*	80.9	93' 7"	*28.52*	103,600*	*46 992**	103,600*	*46 992**	68,600*	*31 116**	42,000*	*19 050**	103,600*	*46 992**	103,600*	*46 992**
	25	*7.62*	77.5	92' 6"	*28.18*	81,500*	*36 967**	81,500*	*36 967**	53,700	*24 357*	32,000	*14 514*	81,500*	*36 967**	81,500*	*36 967**
	30	*9.14*	74.1	91' 1"	*27.75*	65,900*	*29 891**	65,900*	*29 891**	42,500	*19 277*	24,800	*11 249*	65,900*	*29 891**	65,900*	*29 891**
	35	*10.67*	70.7	89' 4"	*27.22*	54,900*	*24 902**	52,200	*23 677*	34,800	*15 785*	19,900	*9 026*	54,900*	*24 902**	54,900*	*24 902**
	40	*12.19*	67.1	87' 2"	*26.58*	46,900*	*21 273**	42,600	*19 323*	29,200	*13 244*	16,400	*7 438*	46,900*	*21 273**	46,900*	*21 273**
	50	*15.24*	59.7	81' 10"	*24.94*	35,600*	*16 238**	30,500	*13 834*	21,700	*9 842*	11,500	*5 216*	35,800*	*16 238**	35,800*	*16 238**
	60	*18.29*	51.7	74' 6"	*22.72*	28,600*	*12 972**	23,200	*10 523*	16,800	*7 620*	8,400	*3 810*	28,600*	*12 972**	27,800	*12 609*
	70	*21.34*	42.5	64' 8"	*19.71*	23,400*	*10 614**	18,400	*8 346*	13,300	*6 032*	6,200	*2 812*	23,400*	*10 614**	22,300	*10 115*
	80	*24.38*	31.1	50' 5"	*15.37*	19,600*	*8 890**	14,800	*6 713*	10,700	*4 853*	4,600	*2 086*	19,600*	*8 890**	18,200	*8 255*
100' *(30.48 m)*	25	*7.62*	78.8	102' 9"	*31.32*	81,300*	*36 877**	81,300*	*36 877**	53,600	*24 312*	31,900	*14 469*	81,300*	*36 877**	81,300*	*36 877**
	30	*9.14*	75.8	101' 6"	*30.93*	65,700*	*29 801**	65,700*	*29 801**	42,400	*19 232*	24,700	*11 203*	65,700*	*29 801**	65,700*	*29 801**
	35	*10.67*	72.7	99' 11"	*30.46*	54,700*	*24 811**	52,200	*23 677*	34,700	*15 739*	19,900	*9 026*	54,700*	*24 811**	54,700*	*24 811**
	40	*12.19*	69.6	98' 1"	*29.89*	46,700*	*21 182**	42,600	*19 323*	29,000	*13 154*	16,300	*7 393*	46,700*	*21 182**	46,700*	*21 182**
	50	*15.24*	63.1	93' 4"	*28.46*	35,600*	*16 147**	30,400	*13 789*	21,600	*9 797*	11,400	*5 170*	35,600*	*16 147**	35,600*	*16 147**
	60	*18.29*	56.2	87' 2"	*26.57*	28,400*	*12 882**	23,100	*10 477*	16,700	*7 574*	8,300	*3 764*	28,400*	*12 882**	27,800	*12 609*
	70	*21.34*	48.7	79' 1"	*24.09*	23,300*	*10 568**	18,300	*8 300*	13,200	*5 987*	6,100	*2 766*	23,300*	*10 568**	22,000	*9 979*
	80	*24.38*	40.1	68' 3"	*20.80*	19,400*	*8 799**	14,800	*6 713*	10,700	*4 853*	4,500	*2 041*	19,400*	*8 799**	18,200	*8 255*
	90	*27.43*	29.3	52' 11"	*16.14*	16,500*	*7 484**	12,200	*5 533*	8,700	*3 946*	3,200	*1 451*	16,500*	*7 484**	15,100	*6 849*
110' *(33.53 m)*	25	*7.62*	79.9	113' 0"	*34.43*	81,100*	*36 786**	81,100*	*36 786**	53,500	*24 267*	31,800	*14 424*	81,100*	*36 786**	81,100*	*36 786**
	30	*9.14*	77.2	111' 10"	*34.08*	65,500*	*29 710**	65,500*	*29 710**	42,300	*19 186*	24,500	*11 113*	65,500*	*29 710**	65,500*	*29 710**
	35	*10.67*	74.4	110' 5"	*33.66*	54,500*	*24 720**	52,200	*23 677*	34,500	*15 648*	19,700	*8 935*	54,500*	*24 720**	54,500*	*24 720**
	40	*12.19*	71.6	108' 9"	*33.15*	46,500*	*21 092**	42,600	*19 323*	28,900	*13 108*	16,200	*7 348*	46,500*	*21 092**	46,500*	*21 092**
	50	*15.24*	65.8	104' 7"	*31.88*	35,400*	*16 057**	30,400	*13 789*	21,500	*9 752*	11,300	*5 125*	35,400*	*16 057**	35,400*	*16 057**
	60	*18.29*	59.8	99' 2"	*30.22*	28,200*	*12 791**	23,000	*10 432*	16,500	*7 484*	8,200	*3 719*	28,200*	*12 791**	27,700	*12 564*
	70	*21.34*	53.3	92' 2"	*28.09*	23,100*	*10 477**	18,200	*8 255*	13,100	*5 942*	6,000	*2 721*	23,100*	*10 477**	22,100	*10 024*
	80	*24.38*	46.2	83' 3"	*25.38*	19,200*	*8 708**	14,700	*6 667*	10,600	*4 808*	4,400	*1 995*	19,200*	*8 708**	18,100	*8 210*
	90	*27.43*	38.0	71' 8"	*21.84*	16,400*	*7 438**	12,100	*5 488*	8,600	*3 900*	3,100	*1 406*	16,400*	*7 438**	15,000	*6 803*
	100	*30.48*	27.8	55' 4"	*16.87*	14,000*	*6 350**	10,000	*4 535*	7,000	*3 175*	2,100	*952*	14,000*	*6 350**	12,600	*5 715*
120' *(36.58 m)*	25	*7.62*	80.8	123' 2"	*37.54*	79,800*	*36 196**	79,800*	*36 196**	53,300	*24 176*	31,700	*14 378*	79,800*	*36 196**	79,800*	*36 196**
	30	*9.14*	78.3	122' 1"	*37.22*	65,200*	*29 574**	65,200*	*29 574**	42,100	*19 096*	24,400	*11 067*	65,200*	*29 574**	65,200*	*29 574**
	35	*10.67*	75.8	120' 10"	*36.83*	54,200*	*24 584**	52,100	*23 632*	34,400	*15 603*	19,600	*8 890*	54,200*	*24 584**	54,200*	*24 584**
	40	*12.19*	73.2	119' 4"	*36.37*	46,300*	*21,001**	42,500	*19 277*	28,800	*13 063*	16,000	*7 257*	46,300*	*21 001**	46,300*	*21 001**
	50	*15.24*	68.0	115' 7"	*35.22*	35,100*	*15 921**	30,200	*13 698*	21,300	*9 661*	11,200	*5 080*	35,100*	*15 921**	35,100*	*15 921**
	60	*18.29*	62.6	110' 8"	*33.74*	28,000*	*12 700**	22,900	*10 387*	16,400	*7 438*	8,000	*3 628*	28,000*	*12 700**	27,600	*12 519*

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(continued)

FMC

HC-218A hammerhead boom

Length	Radius		Angle	Boom point height ②		"A" upper & "A" bumper① counterweights								"AB" upper & "A" bumper counterweights			
						On outriggers				On tires (static)				On outriggers only			
						Over rear		Over side and 360° swing③		Over rear		Over side		Over rear		Over side and 360° swing③	
	Feet	*meters*	Degrees	Feet	*meters*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*
120' (36.58 m)	70	21.34	56.9	104' 7"	31.87	22,800*	10 341*	18,100	8 210	12,900	5 851	5,800	2 630	22,800*	10 341*	22,000	9 979
	80	24.38	50.8	96' 11"	29.54	19,000*	8 618*	14,600	6 622	10,400	4 717	4,200	1 905	19,000*	8 618*	18,000	8 164
	90	27.43	44.0	87' 3"	26.60	16,200*	7 348*	12,000	5 443	8,400	3 810	3,000	1 360	16,200*	7 348*	14,900	6 758
	100	30.48	36.3	74' 11"	22.82	13,800*	6 259*	9,900	4 490	6,900	3 129	2,000	907	13,800*	6 259*	12,500	5 669
	110	33.53	26.6	57' 8"	17.57	11,800*	5 352*	8,200	3 719	5,600	2 540	—	—	11,800*	5 352*	10,600	4 808
130' (39.62 m)	30	9.14	79.2	132' 4"	40.34	65,000*	29 483*	65,000*	29 483*	42,000	19 050	24,300	11 022	65,000*	29 483*	65,000*	29 483*
	35	10.67	76.9	131' 2"	39.98	54,000*	24 493*	52,000	23 586	34,200	15 512	19,500	8 845	54,000*	24 493*	54,000*	24 493*
	40	12.19	74.6	129' 10"	39.56	46,000*	20 865*	42,400	19 232	28,600	12 972	15,900	7 212	46,000*	20 865*	46,000*	20 865*
	50	15.24	69.8	126' 4"	38.52	34,900*	15 830*	30,100	13 653	21,100	9 570	11,000	4 989	34,900*	15 830*	34,900*	15 830*
	60	18.29	64.9	121' 11"	37.17	27,800*	12 609*	22,800	10 341	16,200	7 348	7,900	3 583	27,800*	12 609*	27,400	12 428
	70	21.34	59.8	116' 6"	35.50	22,600*	10 251*	18,000	8 164	12,800	5 805	5,700	2 585	22,600*	10 251*	21,900	9 933
	80	24.38	54.4	109' 8"	33.44	18,800*	8 527*	14,500	6 577	10,200	4 626	4,100	1 859	18,800*	8 527*	17,800	8 073
	90	27.43	48.6	101' 5"	30.91	16,000*	7 257*	11,800	5 352	8,300	3 764	2,800	1 270	16,000*	7 257*	14,700	6 667
	100	30.48	42.1	91' 1"	27.77	13,600*	6 168*	9,800	4 445	6,700	3 039	—	—	13,600*	6 168*	12,400	5 624
	110	33.53	34.7	77' 11"	23.76	11,700*	5 307*	8,100	3 674	5,400	2 449	—	—	11,700*	5 307*	10,400	4 717
	120	36.58	25.4	59' 10"	18.24	10,000*	4 535*	6,700	3 039	4,400	1 995	—	—	10,000*	4 535*	8,900	4 036
140' (42.67 m)	30	9.14	80.0	142' 7"	43.45	64,800*	29 392*	64,800*	29 392*	41,800	18 960	24,100	10 931	64,800*	29 392*	64,800*	29 392*
	35	10.67	77.9	141' 6"	43.12	53,800*	24 403*	52,000	23 586	34,000	15 422	19,300	8 754	53,800*	24 403*	53,800*	24 403*
	40	12.19	75.7	140' 2"	42.73	45,800*	20 774*	42,300	19 186	28,400	12 882	15,700	7 121	45,800*	20 774*	45,800*	20 774*
	50	15.24	71.4	137' 0"	41.77	34,600*	15 694*	30,000	13 607	21,000	9 525	10,800	4 898	34,600*	15 694*	34,600*	15 694*
	60	18.29	66.9	133' 0"	40.54	27,500*	12 473*	22,600	10 251	16,000	7 257	7,700	3 492	27,500*	12 473*	27,300	12 383
	70	21.34	62.2	128' 0"	39.02	22,400*	10 160*	17,900	8 119	12,600	5 715	5,500	2 494	22,400*	10 160*	21,700	9 842
	80	24.38	57.4	121' 11"	37.17	18,500*	8 391*	14,300	6 486	10,100	4 581	3,900	1 769	18,500*	8 391*	17,700	8 028
	90	27.43	52.2	114' 7"	34.93	15,700*	7 121*	11,700	5 307	8,100	3 674	2,600	1 179	15,700*	7 121*	14,600	6 622
	100	30.48	46.6	105' 8"	32.21	13,400*	6 078*	9,600	4 354	6,500	2 948	—	—	13,400*	6 078*	12,200	5 533
	110	33.53	40.5	94' 9"	28.88	11,400*	5 170*	8,000	3 628	5,300	2 404	—	—	11,400*	5 170*	10,300	4 672
	120	36.58	33.4	80' 11"	24.66	9,800*	4 445*	6,600	2 993	4,200	1 905	—	—	9,800*	4 445*	8,700	3 946
	130	39.62	24.4	61' 11"	18.88	8,500*	3 855*	5,500	2 494	3,300	1 496	—	—	8,500*	3 855*	7,400	3 356
150' (45.72 m)	30	9.14	80.7	152' 9"	46.55	64,000*	29 029*	64,000*	29 029*	41,700	18 914	23,900	10 840	64,400*	29 211*	64,400*	29 211*
	35	10.67	78.7	151' 9"	46.25	53,600*	24 312*	51,900	23 541	33,900	15 376	19,200	8 708	53,600*	24 312*	53,600*	24 312*
	40	12.19	76.7	150' 7"	45.89	45,600*	20 683*	42,200	19 141	28,200	12 791	15,500	7 030	45,600*	20 683*	45,600*	20 683*
	50	15.24	72.7	147' 7"	44.99	34,400*	15 603*	29,900	13 562	20,800	9 434	10,700	4 853	34,400*	15 603*	34,400*	15 603*
	60	18.29	68.5	143' 11"	43.86	27,300*	12 383*	22,400	10 160	15,900	7 212	7,500	3 401	27,300*	12 383*	27,100	12 292
	70	21.34	64.3	139' 4"	42.46	22,100*	10 024*	17,700	8 028	12,400	5 624	5,300	2 404	22,100*	10 024*	21,600	9 797
	80	24.38	59.8	133' 9"	40.78	18,300*	8 300*	14,200	6 441	9,900	4 490	3,700	1 678	18,300*	8 300*	17,500	7 937
	90	27.43	55.2	127' 2"	38.76	15,500*	7 030*	11,500	5 216	7,900	3 583	2,400	1 088	15,500*	7 030*	14,400	6 531
	100	30.48	50.2	119' 3"	36.35	13,100*	5 942*	9,400	4 263	6,300	2 857	—	—	13,100*	5 942*	12 000	5 443
	110	33.53	44.9	109' 10"	33.47	11,200*	5 080*	7,800	3 538	5,100	2 313	—	—	11,200*	5 080*	10,100	4 581
	120	36.58	39.0	98' 3"	29.95	9,600*	4 354*	6,400	2 902	4,000	1 814	—	—	9,600*	4 354*	8,600	3 900
	130	39.62	32.1	83' 9"	25.52	8,200*	3 719*	5,300	2 404	3,100	1 406	—	—	8,200*	3 719*	7,200	3 265
	140	42.67	23.5	64' 0"	19.50	7,100*	3 220*	4,300	1 950	2,400	1 088	—	—	7,100*	3 220*	6,100	2 766
160' (48.77 m)	35	10.67	79.4	161' 11"	49.36	53,200*	24 131*	51,800	23 496	33,700	15 286	19,000	8 618	53,400*	24 221*	53,400*	24 221*
	40	12.19	77.6	160' 10"	49.02	45,300*	20 547*	42,000	19 050	28,000	12 700	15,400	6 985	45,300*	20 547*	45,300*	20 547*
	50	15.24	73.8	158' 1"	48.19	34,100*	15 467*	29,700	13 471	20,600	9 344	10,500	4 762	34,100*	15 467*	34,100*	15 467*
	60	18.29	70.0	154' 8"	47.14	27,000*	12 246*	22,300	10 115	15,600	7 076	7,300	3 311	27,000*	12 246*	26,900	12 201
	70	21.34	66.0	150' 5"	45.85	21,900*	9 933*	17,500	7 937	12,200	5 533	5,100	2 313	21,900*	9 933*	21,400	9 706
	80	24.38	61.9	145' 4"	44.30	18,000*	8 164*	14,000	6 350	9,600	4 354	3,500	1 587	18,000*	8 164*	17,300	7 847
	90	27.43	57.7	139' 4"	42.46	15,200*	6 894*	11,300	5 125	7,700	3 492	2,200	997	15,200*	6 894*	14,200	6 441
	100	30.48	53.2	132' 2"	40.29	12,900*	5 851*	9,200	4 173	6,100	2 766	—	—	12,900*	5 851*	11,800	5 352
	110	33.53	48.5	123' 9"	37.72	11,000*	4 989*	7,600	3 447	4,800	2 177	—	—	11,000*	4 989*	9,900	4 490
	120	36.58	43.4	113' 9"	34.67	9,400*	4 263*	6,200	2 812	3,800	1 723	—	—	9,400*	4 263*	8,300	3 764
	130	39.62	37.7	101' 8"	30.98	8,000*	3 628*	5,100	2 313	2,900	1 315	—	—	8,000*	3 628*	7,000	3 175
	140	42.67	31.1	86' 6"	26.36	6,900*	3 129*	4,100	1 859	2,100	952	—	—	6,900*	3 129*	5,900	2 676
	150	45.72	22.7	65' 11"	20.09	5,800*	2 630*	3,300	1 496	—	—	—	—	5,800*	2 630*	5,000	2 267

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HC-218A hammerhead boom						"A" upper & "A" bumper① counterweights						"AB" upper & "A" bumper counterweights			
						On outriggers				On tires (static)		On outriggers only			
	Radius		Angle	Boom point height②		Over rear		Over side and 360° swing③		Over rear		Over side		Over rear		Over side and 360° swing③	
Length	Feet	*meters*	Degrees	Feet	*meters*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*
170' (51.82 m)	35	10.67	80.1	172' 2"	52.47	51,800*	23 496*	51,700	23 450	Not applicable				51,800*	23 496*	51,800*	23 496*
	40	12.19	78.3	171' 1"	52.15	45,100*	20 457*	42,000	19 050					45,100*	20 457*	45,100*	20 457*
	50	15.24	74.8	168' 7"	51.37	33,900*	15 376*	29,600	13 426					33,900*	15 376*	33,900*	15 376*
	60	18.29	71.2	165' 4"	50.39	26,800*	12 156*	22,300	10 115					26,800*	12 156*	26,700	12 110
	70	21.34	67.5	161' 5"	49.19	21,700*	9 842*	17,400	7 892					21,700*	9 842*	21,200	9 616
	80	24.38	63.8	156' 8"	47.75	17,800*	8 073*	13,800	6 259					17,800*	8 073*	17,100	7 756
	90	27.43	59.9	151' 1"	46.06	15,200*	6 894*	11,100	5 034					15,200*	6 894*	14,000	6 350
	100	30.48	55.8	144' 7"	44.07	12,800*	5 805*	9,100	4 127					12,800*	5 805*	11,600	5 261
	110	33.53	51.5	137' 0"	41.75	10,700*	4 853*	7,400	3 356					10,700*	4 853*	9,700	4 399
	120	36.58	46.9	128' 1"	39.04	9,100*	4 127*	6,000	2 721					9,100*	4 127*	8,100	3 674
	130	99.62	42.0	117' 7"	35.83	7,800*	3 538*	4,900	2 222					7,800*	3 538*	6,800	3 084
	140	42.67	36.4	104' 11"	31.97	6,600*	2 993*	3,900	1 769					6,600*	2 993*	5,700	2 585
	150	45.72	30.1	89' 1"	27.16	5,600*	2 540*	3,100	1 406					5,600*	2 540*	4,800	2 177
	160	48.77	22.0	67' 10"	20.67	4,700*	2 131*	2,400	1 088					4,700*	2 131*	3,900	1 769
180' (54.86 m)	35	10.67	80.6	182' 4"	55.57	45,700*	20 729*	45,700*	20 729*					45,700*	20 729*	45,700*	20 729*
	40	12.19	79.0	181' 4"	55.27	41,500*	18 824*	41,500*	18 824*					41,500*	18 824*	41,500*	18 824*
	50	15.24	75.7	178' 11"	54.54	33,600*	15 240*	29,400	13 335					33,600*	15 240*	33,600*	15 240*
	60	18.29	72.3	175' 11"	53.61	26,500*	12 020*	22,200	10 069					26,500*	12 020*	26,500*	12 020*
	70	21.34	68.9	172' 3"	52.49	21,400*	9 706*	17,200	7 801					21,400*	9 706*	21,000	9 525
	80	24.38	65.4	167' 10"	51.15	17,500*	7 937*	13,600	6 168					17,500*	7 937*	16,900	7 665
	90	27.43	61.7	162' 8"	49.58	14,900*	6 758*	10,900	4 944					14,900*	6 758*	13,800	6 259
	100	30.48	58.0	156' 8"	47.75	12,400*	5 624*	8,900	4 036					12,400*	5 624*	11,400	5 170
	110	33.53	54.0	149' 8"	45.62	10,500*	4 762*	7,200	3 265					10,500*	4 762*	9,500	4 309
	120	36.58	49.9	141' 7"	43.17	8,900*	4 036*	5,800	2 630					8,900*	4 036*	7,900	3 583
	130	39.62	45.5	132' 3"	40.31	7,500*	3 401*	4,700	2 131					7,500*	3 401*	6,600	2 993
	140	42.67	40.7	121' 3"	36.95	6,400*	2 902*	3,700	1 678					6,400*	2 902*	5,500	2 494
	150	45.72	35.3	108' 1"	32.93	5,400*	2,449*	2,900	1 315					5,400*	2 449*	4,600	2 086
	160	48.77	29.2	91' 8"	27.94	4,500*	2 041*	2,200	997					4,500*	2 041*	3,700	1 678
	170	51.82	21.4	69' 8"	21.23	3,700*	1 678*	—	—					3,700*	1 678*	3,000	1 360
190' (57.91 m)	40	12.19	79.6	191' 6"	58.38	36,800*	16 692*	36,800*	16 692*					36,800*	16 692*	36,800*	16 692*
	50	15.24	76.5	189' 3"	57.69	31,700*	14 378*	29,200	13 244					31,700*	14 378*	31,700*	14 378*
	60	18.29	73.3	186' 5"	56.82	26,200*	11 884*	22,000	9 979					26,200*	11 884*	26,200*	11 884*
	70	21.34	70.1	182' 11"	55.76	20,300*	9 207*	17,000	7 711					20,300*	9 207*	20,300*	9 207*
	80	24.38	66.8	178' 10"	54.51	17,200*	7 801*	13,400	6 078					17,200*	7 801*	16,700	7 574
	90	27.43	63.4	174' 0"	53.04	14,600*	6 622*	10,800	4 898					14,600*	6 622*	13,600	6 168
	100	30.48	59.9	168' 5"	51.34	12,100*	5 488*	8,700	3 946					12,100*	5 488*	11,200	5 080
	110	33.53	56.2	162' 0"	49.38	10,200*	4 626*	7,000	3 175					10,200*	4 626*	9,300	4 218
	120	36.58	52.5	154' 7"	47.12	8,600*	3 900*	5,600	2 540					8,600*	3 900*	7,700	3 492
	130	39.62	48.4	146' 1"	44.53	7,300*	3 311*	4,500	2 041					7,300*	3 311*	6,400	2 902
	140	42.67	44.2	136' 3"	41.54	6,100*	2 766*	3,500	1 587					6,100*	2 766*	5,300	2 404
	150	45.72	39.5	124' 10"	38.04	5,100*	2 313*	2,700	1 224					5,100*	2 313*	4,400	1 995
	160	48.77	34.3	111' 1"	33.86	4,200*	1 905*	2,000	907					4,200*	1 905*	3,500	1 587
	170	51.82	28.3	94' 2"	28.70	3,500*	1 587*	—	—					3,500*	1 587*	2,800	1 270
	180	54.86	20.8	71' 5"	21.77	2,800*	1 270*	—	—					2,800*	1 270*	2,200	997

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(continued)

HC-218A hammerhead boom						"A" upper & "A" bumper① counterweights								"AB" upper & "A" bumper counterweights			
						On outriggers				On tires (static)				On outriggers only			
	Radius		Angle	Boom point height②		Over rear		Over side and 360 swing③		Over rear		Over side		Over rear		Over side and 360 swing③	
Length	Feet	*meters*	Degrees	Feet	*meters*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*
200' (60.96 m)	40	12.19	80.1	201' 9"	61.48	33,100*	15 013*	33,100*	15 013*	Not applicable				33,100*	15 013*	33,100*	15 013*
	50	15.24	77.2	199' 7"	60.83	27,900*	12 655*	27,900*	12 655*					27,900*	12 655*	27,900*	12 655*
	60	18.29	74.2	196' 10"	60.01	21,700*	9 842*	21,700*	9 842*					21,700*	9 842*	21,700*	9 842*
	70	21.34	71.1	193' 7"	59.01	18,200*	8 255*	16,800	7 620					18,200*	8 255*	18,200*	8 255*
	80	24.38	68.0	189' 9"	57.83	15,900*	7 212*	13,200	5 987					15,900*	7 212*	15,900*	7 212*
	90	27.43	64.8	185' 2"	56.45	14,400*	6 531*	10,600	4 808					14,400*	6 531*	13,400	6 078
	100	30.48	61.6	180' 0"	54.86	11,900*	5 397*	8,500	3 855					11,900*	5 397*	11,000	4 989
	110	33.53	58.2	174' 0"	53.03	10,000*	4 535*	6,800	3 084					10,000*	4 535*	9,100	4 127
	120	36.58	54.7	167' 2"	50.95	8,400*	3 810*	5,400	2 449					8,400*	3 810*	7,500	3 401
	130	39.62	51.0	159' 4"	48.58	7,100*	3 220*	4,300	1 950					7,100*	3 220*	6,200	2 812
	140	42.67	47.1	150' 5"	45.86	5,900*	2 676*	3,300	1 496					5,900*	2 676*	5,100	2 313
	150	45.72	43.0	140' 2"	42.73	4,900*	2 222*	2,500	1 133					4,900*	2 222*	4,100	1 859
	160	48.77	38.5	128' 3"	39.09	4,000*	1 814*	—	—					4,000*	1 814*	3,300	1 496
	170	51.82	33.4	114' 1"	34.77	3,200*	1 451*	—	—					3,200*	1 451*	2,600	1 179
	180	54.86	27.6	96' 7"	29.43	2,500*	1 133*	—	—					2,500*	1 133*	2,000	907
210' (64.01 m)	40	12.19	80.6	211' 11"	64.58	29,700*	13 471*	29,700*	13 471*					29,700*	13 471*	29,700*	13 471*
	50	15.24	77.8	209' 10"	63.96	25,000*	11 339*	25,000*	11 339*					25,000*	11 339*	25,000*	11 339*
	60	18.29	74.9	207' 3"	63.18	19,700*	8 935*	19,700*	8 935*					19,700*	8 935*	19,700*	8 935*
	70	21.34	72.1	204' 2"	62.24	16,500*	7 484*	16,500*	7 484*					16,500*	7 484*	16,500*	7 484*
	80	24.38	69.1	200' 6"	61.12	14,000*	6 350*	13,100	5 942					14,000*	6 350*	14,000*	6 350*
	90	27.43	66.1	196' 3"	59.82	12,500*	5 669*	10,400	4 717					12,500*	5 669*	12,500*	5 669*
	100	30.48	63.0	191' 4"	58.32	11,100*	5 034*	8,300	3 764					11,100*	5 034*	10,800	4 898
	110	33.53	59.9	185' 9"	56.61	9,700*	4 399*	6,600	2 993					9,700*	4 399*	8,900	4 036
	120	36.58	56.6	179' 5"	54.68	8,100*	3 674*	5,200	2 358					8,100*	3 674*	7,300	3 311
	130	39.62	53.2	172' 2"	52.48	6,800*	3 084*	4,100	1 859					6,800*	3 084*	6,000	2 721
	140	42.67	49.7	164' 0"	49.98	5,600*	2 540*	3,100	1 406					5,600*	2 540*	4,900	2 222
	150	45.72	45.9	154' 8"	47.14	4,600*	2 086*	2,300	1 043					4,600*	2 086*	3,900	1 769
	160	48.77	41.9	144' 0"	43.89	3,700*	1 678*	—	—					3,700*	1 678*	3,100	1 406
	170	51.82	37.5	131' 8"	40.12	3,000*	1 360*	—	—					3,000*	1 360*	2,400	1 088
	180	54.86	32.6	117' 0"	35.65	2,300*	1 043*	—	—					2,300*	1 043*	—	—
220' (67.06 m)	50	15.24	78.4	220' 1"	67.08	20,800*	9 434*	20,800*	9 434*					20,800*	9 434*	20,800*	9 434*
	60	18.29	75.7	217' 8"	66.34	17,700*	8 028*	17,700*	8 028*					17,700*	8 028*	17,700*	8 028*
	70	21.34	72.9	214' 9"	65.44	15,000*	6 803*	15,000*	6 803*					15,000*	6 803*	15,000*	6 803*
	80	24.38	70.1	211' 3"	64.38	12,500*	5 669*	12,500*	5 669*					12,500*	5 669*	12,500*	5 669*
	90	27.43	67.3	207' 2"	63.15	10,700*	4 853*	10,200	4 626					10,700*	4 853*	10,700*	4 853*
	100	30.48	64.4	202' 7"	61.74	9,600*	4 354*	8,100	3 674					9,600*	4 354*	9,600*	4 354*
	110	33.53	61.4	197' 4"	60.14	8,600*	3 900*	6,400	2 902					8,600*	3 900*	8,600*	3 900*
	120	36.58	58.3	191' 4"	58.32	7,600*	3 447*	5,000	2 267					7,600*	3 447*	7,100	3 220
	130	39.62	55.2	184' 7"	56.27	6,500*	2 948*	3,900	1 769					6,500*	2 948*	5,800	2 630
	140	42.67	51.9	177' 0"	53.96	5,300*	2 404*	2,900	1 315					5,300*	2 404*	4,700	2 131
	150	45.72	48.4	168' 6"	51.35	4,300*	1 950*	2,100	952					4,300*	1 950*	3,700	1 678
	160	48.77	44.7	158' 9"	48.39	3,400*	1 542*	—	—					3,400*	1 542*	2,900	1 315
	170	51.82	40.8	147' 8"	45.02	2,700*	1 224*	—	—					2,700*	1 224*	2,200	997
	180	54.86	36.5	134' 11"	41.12	2,000*	907*	—	—					2,000*	907*	—	—

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HC-218A hammerhead boom						"A" upper & "A" bumper① counterweights								"AB" upper & "A" bumper counterweights			
						On outriggers				On tires (static)				On outriggers only			
	Radius		Angle	Boom point height②		Over rear		Over side and 360° swing③		Over rear		Over side		Over rear		Over side and 360° swing③	
Length	Feet	*meters*	Degrees	Feet	*meters*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*	Pounds	*kilograms*
230' *(70.10 m)*	50	*15.24*	78.8	229' 11"	*70.08*	Not applicable				Not applicable				18,600*	*8 436**	18,600*	*8 436**
	60	*18.29*	76.2	227' 7"	*69.37*									16,000*	*7 257**	16,000*	*7 257**
	70	*21.34*	73.6	224' 10"	*68.52*									13,600*	*6 168**	13,600*	*6 168**
	80	*24.38*	70.9	221' 6"	*67.51*									11,200*	*5 080**	11,200*	*5 080**
	90	*27.43*	68.2	217' 8"	*66.34*									9,400*	*4 263**	9,400*	*4 263**
	100	*30.48*	65.5	213' 3"	*65.00*									8,100*	*3 674**	8,100*	*3 674**
	110	*33.53*	62.6	208' 3"	*63.48*									7,400*	*3 356**	7,400*	*3 356**
	120	*36.58*	59.7	202' 8"	*61.76*									6,600*	*2 993**	6,600*	*2 993**
	130	*39.62*	56.8	196' 4"	*59.83*									5,900*	*2 676**	5,600	*2 540*
	140	*42.67*	53.7	189' 3"	*57.67*									5,000*	*2 267**	4,500	*2 041*
	150	*45.72*	50.5	181' 3"	*55.25*									4,000*	*1 814**	3,500	*1 587*
	160	*48.77*	47.1	172' 4"	*52.52*									3,100*	*1 406**	2,700	*1 224*
	170	*51.82*	43.5	162' 3"	*49.44*									2,400*	*1 088**	2,000	*907*

①Applicable only to machines with booms 30' *(9.14 m)* through 220' *(67.06 m)* long — without jib. "AB" upper and "A" bumper counterweights are required for booms 230' *(70.10 m)* long — without jib, and booms 40' *(12.19 m)* through 200' *(60.96 m)* long — with jib. Jib is not permitted on boom when machine is equipped with "A" upper and "A" bumper counterweights.

②Measured vertically from center of boom head sheave to ground with machine standing on tires.

③Capacities for 360° swing applicable **only** when front center jack and front and rear outriggers are set in proper working position.

Notes — lifting crane capacities; tubular boom with hammerhead top section.

1. The capacities included in this chart are the maximum allowable, and are based on machine standing level on firm supporting surface under ideal job conditions. Capacities are based on 85% of minimum tipping loads unless marked with an asterisk (*).
   a. Asterisk indicates capacities are based on factors other than those which would cause a tipping condition.
2. Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, supporting surface conditions, inflation of tires, and operating speeds. Operator must reduce load ratings accordingly to take such conditions into account. Deduction from rated capacities must be made for weight of jib, hook block, ball/hook, sling, spreader bar, or other suspended gear.
3. Boom lengths exceeding 150' *(45.72 m)* — boom midpoint suspension pendants required.
4. Main boom lengths must not exceed 230' *(70.10 m)*.
5. For lifting 164,000 lbs. *(74 390 kg)*, 8 parts of 7/8" *(22 mm)* diameter, Type "N" wire rope are required. Check parts of line required for all capacities.
6. Jib cannot be used on boom lengths less than 40' *(12.19 m)* or longer than 200' *(60.96 m)*.
7. Refer to charts page 1 when rigging machine with boom and boom plus jib.
8. Machine equipped with "AB" upper counterweight — do not swing over side until outriggers have been set.
9. Telescopic boom live mast, pinned in extended (24' — *7.32 m*) position, required for all hammerhead boom capacities except basic 30' *(9.14 m)* boom. Boom live mast, pinned in retracted (20' 6" — *6.25 m*) height, required for handling maximum capacity when using basic 30' *(9.14 m)* boom, and to reduce overall height for travel.
10. Least stable position is over side.
11. When handling loads on main load hoist line with jib mounted on boom, reduce rated boom capacities as follows to compensate for jib weights —
    30' *(9.14 m)* jib — 2,000# *(907 kg)*
    45' *(13.72 m)* jib — 2,400# *(1 089 kg)*
    60' *(18.27 m)* jib — 3,200# *(1 452 kg)*
12. Capacities apply only to the machine as originally manufactured and normally equipped by FMC Corporation, Cable Crane and Excavator Division.

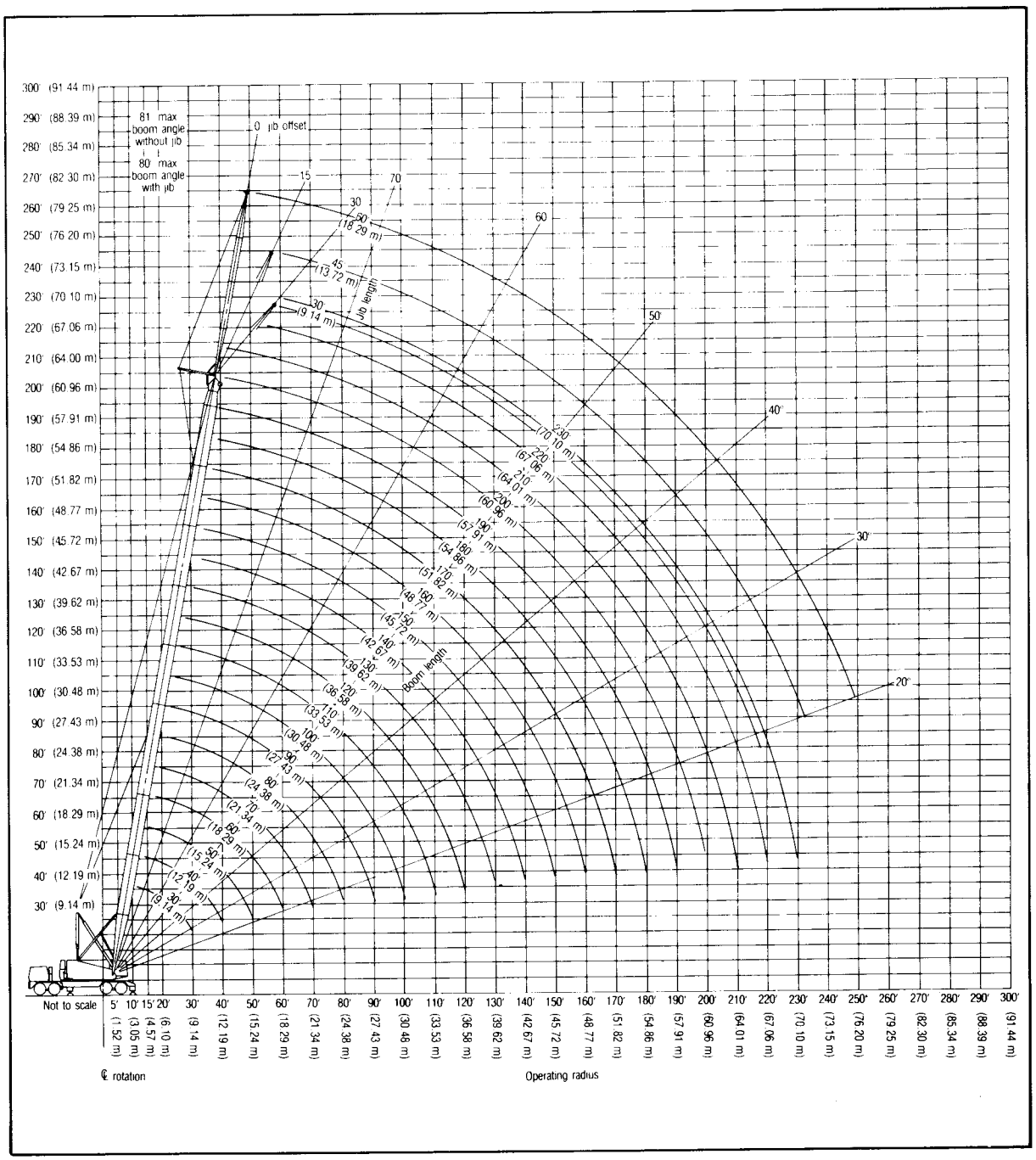
HC-218A boom/jib working ranges — hammerhead boom

Boom — tubular: 60" *(1.52 m)* wide, 50" *(1.27 m)* deep with 5' *(1.52 m)* long hammerhead top section, 1⅜" *(35 mm)* boom pendants, boom live mast, and boom midpoint suspension pendants as required.

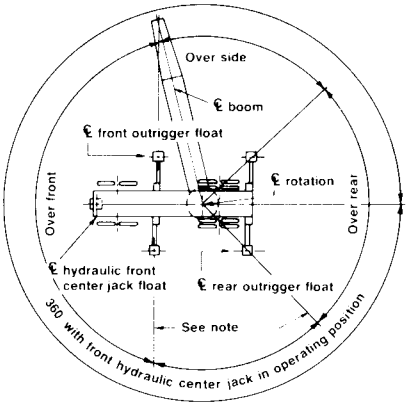
Jib — tubular: 32" *(0.81 m)* wide, 24" *(0.61 m)* deep.

Mounting — rubber tire mobile base: FMC, 8 x 4 drive, 260" *(6.60 m)* wheelbase, 11' 0" *(3.35 m)* wide.

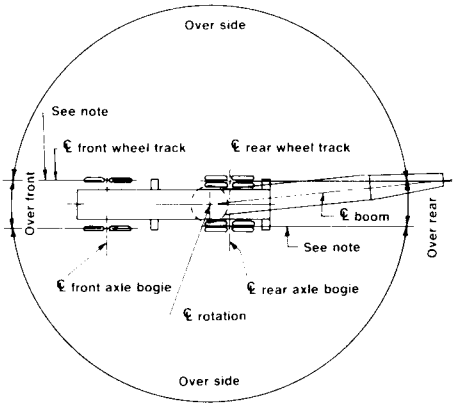
Counterweights — Refer to charts **Page 200.47**



HC-218A working areas



Rubber tire mobile base on outriggers



Rubber tire mobile base on tires

Note: These lines determine the limiting position of any load for operation within working areas indicated.

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

HC-218A jib capacities — hammerhead boom (U.S. units)

Refer to **Notes** *Page 200.61*

Boom — tubular: 60" wide, 50" deep with 5' long hammerhead top section, 1⅜" diameter boom pendants, boom live mast and boom midpoint suspension pendants as required.

Jib — tubular: 32" wide, 24" deep.

Mounting — rubber tire mobile base: FMC, 8 x 4 drive, 260" wheelbase, 11' 0" wide.

Counterweights — Upper counterweight "AB" — 33,000 lbs.; bumper counterweight "A" — 13,500 lbs.

Boom length	Load radius	Capacities on outriggers — over side and 360° swing①								
		30' jib			45' jib			60' jib		
		Jib angles to boom (jib offset degrees)								
		0°	15°	30°	0°	15°	30°	0°	15°	30°
Feet	Feet	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
40	16	23,700*								
	17	23,400*								
	18	23,000*								
	19	22,600*			16,400*					
	20	22,200*			16,200*					
	25	20,200*	16,800*		15,300*			13,100*		
	30	18,200*	15,600*	12,900*	14,400*	12,700*		12,300*		
	35	16,500*	14,400*	12,500*	13,400*	11,500*		11,500*		
	40	15,200*	13,200*	12,000*	12,400*	10,300*	7,800*	10,700*	9,300*	
	50	12,800*	12,000*	10,900*	9,800*	7,900*	7,300*	9,000*	7,600*	5,900*
	60	11,600*	10,800*		7,800*	7,300*	6,400*	7,200*	5,900*	5,400*
	70				7,100*	6,400*	5,100*	5,800*	5,400*	4,800*
	80				5,600*			5,200*	4,800*	3,600*
	90							4,200*	3,500*	
60	20	23,600*								
	25	22,100*			16,100*			13,600*		
	30	20,600*	16,600*		15,300*			13,000*		
	35	19,000*	15,700*	12,800*	14,600*	12,500*		12,300*		
	40	17,400*	14,800*	12,500*	13,800*	11,500*		11,700*	9,900*	
	50	15,300*	12,900*	11,700*	12,100*	9,500*	7,600*	10,300*	8,600*	
	60	13,300*	12,100*	10,900*	10,000*	7,800*	7,100*	8,900*	7,100*	5,600*
	70	12,200*	11,300*	10,000*	7,900*	7,400*	6,400*	7,400*	5,900*	5,200*
	80	11,200*	10,200*		7,400*	6,800*	5,300*	5,900*	5,500*	4,700*
	90				6,700*	5,700*		5,500*	5,000*	3,800*
	100				5,300*			5,000*	4,100*	
	110							3,900*		
80	25	23,300*								
	30	22,000*			16,000*			13,500*		
	35	20,800*	16,500*		15,300*			12,900*		
	40	19,500*	15,800*	12,800*	14,700*	12,300*		12,400*		
	50	16,900*	14,300*	12,200*	13,400*	10,600*	7,700*	11,200*	9,200*	
	60	15,400*	12,800*	11,600*	11,900*	9,000*	7,400*	10,000*	8,000*	5,800*
	70	13,700*	12,200*	10,900*	10,100*	7,800*	7,000*	8,800*	6,800*	5,500*
	80	12,500*	11,500*	10,200*	8,300*	7,400*	6,300*	7,600*	5,800*	5,100*
	90	11,800*	10,700*			7,000*	5,500*	6,200*	5,500*	4,600*
	100	10,800*				6,200*		5,700*	5,100*	3,800*
	110					5,100*		5,300*	4,500*	3,000*
	120							4,700*	3,600*	
	130							3,600*		
100	30	23,000*			16,400*					
	35	22,000*	17,100*		15,900*			13,300*		
	40	20,900*	16,400*		15,300*	12,800*		12,900*		
	50	18,800*	15,200*	12,500*	14,200*	11,400*	7,900*	11,900*	9,600*	
	60	16,700*	13,900*	12,000*	13,100*	10,000*	7,600*	10,900*	8,600*	5,900*
	70	15,400*	12,800*	11,500*	11,700*	8,600*	7,300*	9,800*	7,600*	5,600*
	80	14,000*	12,300*	10,900*		7,800*	6,900*	8,800*	6,500*	5,300*
	90	12,800*	11,700*	10,300*		7,400*	6,300*	7,700*	5,800*	5,000*
	100	12,200*	11,100*			7,100*	5,600*	6,500*	5,500*	4,500*
	110	11,200	10,400*			6,500*		5,800*	5,200*	3,900*
	120	9,700				5,700*		5,500*	4,800*	3,200*
	130							5,100*	4,000*	
	140							4,400*	3,200*	
	150							3,400*		
120	30	23,800*								
	35	22,900*			16,300*			13,700*		
	40	22,000*	16,900*		15,800*			13,300*		
	50	20,100*	15,800*	12,700*	14,900*	12,000*		12,400*	10,000*	
	60	18,200*	14,700*	12,300*	13,900*	10,800*	7,700*	11,500*	9,100*	
	70	16,600*	13,600*	11,800*	12,900*	9,600*	7,400*	10,600*	8,200*	5,700*
	80	15,400*	12,800*	11,400*	11,600*	8,300*	7,200*	9,700*	7,300*	5,500*
	90	14,200*	12,300*	10,900*	10,300*	7,700*	6,800*	8,700*	6,300*	5,200*
	100	12,700	11,800*	10,400*	8,900*	7,500*	6,300*	7,700*	5,800*	5,000*
	110	10,800	11,000		7,800*	7,200*	5,600*	6,700*	5,500*	4,500*
	120	9,200	9,400		7,500*	6,800*	5,000*	5,900*	5,300*	3,900*
	130	7,900	8,100		7,200*	6,100*		5,600*	5,000*	3,300*
	140	6,800			6,700*	5,300*		5,300*	4,400*	
	150				5,800*			4,900*	3,700*	
	160							4,100*		
	170							3,200*		

(continued)

① Refer note #1-b, *Page 200.61*

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HC-218A jib capacities — hammerhead boom (U.S. units)

Refer to **Notes** *Page 200.61*

Boom length	Load radius	Capacities on outriggers — over side and 360° swing①								
		30′ jib			45′ jib			60′ jib		
		Jib angles to boom (jib offset degrees)								
		0°	15°	30°	0°	15°	30°	0°	15°	30°
Feet	Feet	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
140	35	23,500*								
	40	22,700*			16,200*			13,600*		
	50	21,110*	16,300*	12,800*	15,300*	12,500*		12,800*		
	60	19,500*	15,400*	12,500*	14,500*	11,400*	7,800*	12,000*	9,500*	
	70	17,800*	14,400*	12,100*	13,600*	10,300*	7,600*	11,200*	8,700*	5,800*
	80	16,400*	13,400*	11,700*	12,700*	9,200*	7,300*	10,400*	7,800*	5,600*
	90	14,600	12,700*	11,300*	11,500*	8,000*	7,100*	9,600*	7,000*	5,400*
	100	12,300	12,300*	10,900*	10,300*	7,700*	6,700*	8,700*	6,100*	5,200*
	110	10,400	10,700	10,500*	9,100*	7,500*	6,200*	7,800*	5,800*	4,900*
	120	8,800	9,100	9,300	7,900*	7,200*	5,700*	6,900*	5,500*	4,500*
	130	7,500	7,700		7,600*	6,900*	5,100*	5,900*	5,300*	3,900*
	140	6,400	6,600		6,600	6,300*		5,700*	5,000*	3,400*
	150	5,500			5,700	5,700*		5,400*	4,600*	
	160	4,600			4,900	5,000*		5,000	4,000*	
	170				4,100			4,300	3,300*	
	180							3,700		
	190							3,000*		
160	40	23,400*			16,500*					
	50	21,900*	16,700*		15,700*			13,100*		
	60	20,500*	15,900*	12,600*	15,000*	11,900*		12,400*	9,800*	
	70	19,000*	15,000*	12,300*	14,200*	10,900*	7,700*	11,700*	9,000*	5,900*
	80	17,100	14,100*	12,000*	13,400*	9,900*	7,500*	11,000*	8,300*	5,700*
	90	14,200	13,200*	11,600*	12,500*	8,900*	7,200*	10,200*	7,600*	5,500*
	100	11,800	12,200	11,300*	11,400*	7,900*	7,000*	9,400*	6,800*	5,300*
	110	9,900	10,300	10,600	10,100	7,700*	6,700*	8,700*	6,000*	4,800*
	120	8,300	8,700	8,900	8,500	7,500*	6,100*	7,900*	5,800*	4,100*
	130	7,000	7,300	7,500	7,200	7,300*	5,300*	7,000*	5,600*	3,500*
	140	5,900	6,200		6,100	6,500	4,600*	6,200*	5,300*	3,000*
	150	5,000	5,200		5,200	5,500		5,300	5,100*	2,700*
	160	4,100	4,300		4,300	4,600		4,500	4,700*	2,300*
	170	3,400			3,600	3,900		3,300	4,100	
	180	2,800			3,000			3,100	3,400	
	190				2,400			2,600	2,800	
	200							2,100		
180	50	22,600*	17,100*		16,000*			13,400*		
	60	21,200*	16,300*	12,800*	15,300*	12,300*		12,700*		
	70	19,900*	15,500*	12,500*	14,600*	11,400*	7,700*	12,100*	9,400*	
	80	16,600	14,700*	12,200*	13,900*	10,500*	7,600*	11,400*	8,700*	5,800*
	90	13,700	13,900*	11,800*	13,200*	9,600*	7,400*	10,700*	8,000*	5,600*
	100	11,300	11,800	10,300*	11,500	8,700*	7,200*	10,100*	7,300*	5,000*
	110	9,400	9,900	8,900*	9,600	7,900*	6,200*	9,400*	6,600*	4,300*
	120	7,900	8,200	7,700*	8,000	7,700*	5,300*	8,200	5,900*	3,600*
	130	6,500	6,900	6,900*	6,700	7,100*	4,600*	6,900	5,600*	3,200*
	140	5,400	5,700	6,000	5,600	6,100	4,000*	5,800	4,900*	2,700*
	150	4,500	4,800		4,700	5,100	3,500*	4,800	4,300*	2,400*
	160	3,700	3,900		3,900	4,200		4,000	3,900*	2,100*
	170	3,000	3,100		3,100	3,400		3,300	3,400*	1,800*
	180	2,300	2,500		2,500	2,800		2,600	3,000	
	190	1,800			1,900	2,200		2,100	2,400	
	200							1,600	1,800	
190	50	22,800*	17,300*		16,200*			13,500*		
	60	21,600*	16,400*	12,800*	15,500*	12,500*		12,900*		
	70	19,500*	15,700*	12,500*	14,800*	11,600*	7,800*	12,300*	9,500*	
	80	16,400	15,000*	12,300*	14,200*	10,800*	7,600*	11,600*	8,900*	5,800*
	90	13,500	13,200*	10,700*	12,600*	9,900*	7,400*	11,000*	8,200*	5,600*
	100	11,100	11,600	9,300*	11,100*	9,000*	6,700*	9,600*	7,500*	4,700*
	110	9,200	9,700	8,100*	9,400*	8,100*	5,700*	8,400*	6,600*	4,000*
	120	7,600	8,000	7,000*	7,800*	7,200*	4,900*	7,400*	5,800*	3,400*
	130	6,300	6,700	6,200*	6,500	6,300*	4,200*	6,500*	5,100*	2,900*
	140	5,200	5,500	5,500*	5,400	5,700*	3,700*	5,500	4,400*	2,600*
	150	4,300	4,500	4,700	4,400	4,900	3,200*	4,600	4,000*	2,200*
	160	3,400	3,700		3,600	4,000	2,900*	3,700	3,500*	1,900*
	170	2,700	2,900		2,900	3,200		3,000	3,100*	1,700*
	180	2,100	2,300		2,300	2,500		2,400	2,800	
	190	1,500			1,700	1,900		1,800	2,200	
200	50	23,100*			16,300*			13,600*		
	60	20,200*	16,600*	12,900*	15,700*	12,600*		13,000*		
	70	17,300*	15,600*	12,600*	14,800*	11,800*	7,800*	12,400*	9,600*	
	80	14,500*	13,600*	11,300*	12,900*	11,000*	7,600*	11,300*	9,000*	5,800*
	90	12,800*	11,700*	9,800*	11,200*	9,800*	7,200*	9,900*	8,200*	5,300*
	100	10,900	10,300*	8,500*	9,800*	8,600*	6,200*	8,600*	7,000*	4,500*
	110	9,000	9,000*	7,300*	8,500*	7,500*	5,300*	7,500*	6,100*	3,800*
	120	7,400	7,800	6,300*	7,600	6,500*	4,500*	6,600*	5,200*	3,200*
	130	6,100	6,500	5,600*	6,200	5,700*	3,900*	5,700*	4,600*	2,700*
	140	5,000	5,300	4,900*	5,100	5,000*	3,400*	5,100*	4,000*	2,400*
	150	4,000	4,300	4,400*	4,200	4,500*	3,000*	4,300*	3,500*	2,000*
	160	3,200	3,500	3,600	3,400	3,800	2,600*	3,500	3,100*	1,800*
	170	2,500	2,700		2,600	3,000	2,300*	2,800	2,800*	1,600*
	180	1,800	2,000		2,000	2,300		2,100	2,500*	
	190							1,600	2,000	

① Refer note #1-b. *Page 200.61*

HC-218A jib capacities — hammerhead boom (U.S. units)

Refer to **Notes** *Page 200.61*

Boom — tubular: 60" wide, 50" deep with 5' long hammerhead top section, 1⅜" diameter boom pendants, boom live mast and boom midpoint suspension pendants as required.

Jib — tubular: 32" wide, 24" deep.

Mounting — rubber tire mobile base: FMC, 8 x 4 drive, 260" wheelbase, 11' 0" wide.

Counterweights — Upper counterweight "AB" — 33,000 lbs.; bumper counterweight "A" — 13,500 lbs.

Boom length	Load radius	Capacities on outriggers — over rear only								
		30' jib			45' jib			60' jib		
		Jib angles to boom (jib offset degrees)								
		0°	15°	30°	0°	15°	30°	0°	15°	30°
Feet	Feet	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
40	16	23,700*								
	17	23,400*								
	18	23,000*								
	19	22,600*			16,400*					
	20	22,200*			16,200*					
	25	20,200*	16,800*		15,300*	12,700*		13,100*		
	30	18,200*	15,600*	12,900*	14,400*	11,500*		12,300*		
	35	16,500*	14,400*	12,500*	13,400*	10,300*	7,800*	11,500*	9,300*	
	40	15,200*	13,200*	12,000*	12,400*	7,900*	7,300*	10,700*	7,600*	5,900*
	50	12,800*	12,000*	10,900*	9,800*	7,300*	6,400*	9,000*	5,900*	5,400*
	60	11,600*	10,800*		7,800*	6,400*	5,100*	7,200*	5,400*	4,800*
	70				7,100*			5,800*	4,800*	3,600*
	80				5,600*			5,200*	3,500*	
	90							4,200*		
60	20	23,600*								
	25	22,100*			16,100*			13,600*		
	30	20,600*	16,600*		15,300*			13,000*		
	35	19,000*	15,700*	12,800*	14,600*	12,500*		12,300*		
	40	17,400*	14,800*	12,500*	13,800*	11,500*		11,700*	9,900*	
	50	15,300*	12,900*	11,700*	12,100*	9,500*	7,600*	10,300*	8,600*	
	60	13,300*	12,100*	10,900*	10,000*	7,800*	7,100*	8,900*	7,100*	5,600*
	70	12,200*	11,300*	10,000*	7,900*	7,400*	6,400*	7,400*	5,900*	5,200*
	80	11,200*	10,200*		7,400*	6,800*	5,300*	5,900*	5,500*	4,700*
	90				6,700*	5,700*		5,500*	5,000*	3,800*
	100				5,300*			5,000*	4,100*	
	110							3,900*		
80	25	23,300*								
	30	22,000*			16,000*			13,500*		
	35	20,800*	16,500*		15,300*			12,900*		
	40	19,500*	15,800*	12,800*	14,700*	12,300*		12,400*		
	50	16,900*	14,300*	12,200*	13,400*	10,600*	7,700*	11,200*	9,200*	
	60	15,400*	12,800*	11,600*	11,900*	9,000*	7,400*	10,000*	8,000*	5,800*
	70	13,700*	12,200*	10,900*	10,100*	7,800*	7,000*	8,800*	6,800*	5,500*
	80	12,500*	11,500*	10,200*	8,300*	7,400*	6,300*	7,600*	5,800*	5,100*
	90	11,800*	10,700*		7,600*	7,000*	5,500*	6,200*	5,500*	4,600*
	100	10,800*			7,200*	6,200*		5,700*	5,100*	3,800*
	110				6,300*	5,100*		5,300*	4,500*	3,000*
	120				5,000*			4,700*	3,600*	
	130							3,600*		
100	30	23,000*			16,400*					
	35	22,000*	17,100*		15,900*			13,300*		
	40	20,900*	16,400*		15,300*	12,800*		12,900*		
	50	18,800*	15,200*	12,500*	14,200*	11,400*	7,900*	11,900*	9,600*	
	60	16,700*	13,900*	12,000*	13,100*	10,000*	7,600*	10,900*	8,600*	5,900*
	70	15,400*	12,800*	11,500*	11,700*	8,600*	7,300*	9,800*	7,600*	5,600*
	80	14,000*	12,300*	10,900*	10,200*	7,800*	6,900*	8,800*	6,500*	5,300*
	90	12,800*	11,700*	10,300*	8,600*	7,400*	6,300*	7,700*	5,800*	5,000*
	100	12,200*	11,100*		7,700*	7,100*	5,600*	6,500*	5,500*	4,500*
	110	11,500*	10,400*		7,400*	6,500*		5,800*	5,200*	3,900*
	120	10,600*			7,000*	5,700*		5,500*	4,800*	3,200*
	130				6,000*			5,100*	4,000*	
	140							4,400*	3,200*	
	150							3,400*		
120	30	23,800*								
	35	22,900*			16,300*			13,700*		
	40	22,000*	16,900*		15,800*			13,300*		
	50	20,100*	15,800*	12,700*	14,900*	12,000*		12,400*	10,000*	
	60	18,200*	14,700*	12,300*	13,900*	10,800*	7,700*	11,500*	9,100*	
	70	16,600*	13,600*	11,800*	12,900*	9,600*	7,400*	10,600*	8,200*	5,700*
	80	15,400*	12,800*	11,400*	11,600*	8,300*	7,200*	9,700*	7,300*	5,500*
	90	14,200*	12,300*	10,900*	10,300*	7,700*	6,800*	8,700*	6,300*	5,200*
	100	12,900*	11,800*	10,400*	8,900*	7,500*	6,300*	7,700*	5,800*	5,000*
	110	12,400*	11,300*		7,800*	7,200*	5,600*	6,700*	5,500*	4,500*
	120	11,900*	10,700*		7,500*	6,800*	5,000*	5,900*	5,300*	3,900*
	130	11,200*	10,100*		7,200*	6,100*		5,600*	5,000*	3,300*
	140	10,400*			6,700*	5,300*		5,300*	4,400*	
	150				5,800*			4,900*	3,700*	
	160							4,100*		
	170							3,200*		
140	35	23,500*								
	40	22,700*			16,200*			13,600*		
	50	21,100*	16,300*		15,300*	12,500*		12,800*		
	60	19,500*	15,400*	12,800*	14,500*	11,400*	7,800*	12,000*	9,500*	
	70	17,800*	14,400*	12,500*	13,600*	10,300*	7,600*	11,200*	8,700*	5,800*
				12,100*						

(continued)

FMC

HC-218A jib capacities — hammerhead boom (U.S. units)

Refer to **Notes** *Page 200.61*

Boom length	Load radius	Capacities on outriggers — over rear only								
		30' jib			45' jib			60' jib		
		Jib angles to boom (jib offset degrees)								
		0°	15°	30°	0°	15°	30°	0°	15°	30°
Feet	Feet	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
140	80	16,400*	13,400*	11,700*	12,700*	9,200*	7,300*	10,400*	7,800*	5,600*
	90	15,400*	12,700*	11,300*	11,500*	8,000*	7,100*	9,600*	7,000*	5,400*
	100	14,400*	12,300*	10,900*	10,300*	7,700*	6,700*	8,700*	6,100*	5,200*
	110	13,200*	11,900*	10,500*	9,100*	7,500*	6,200*	7,800*	5,800*	4,900*
	120	12,600*	11,500*	10,000*	7,900*	7,200*	5,700*	6,900*	5,500*	4,500*
	130	11,300*	11,000*		7,600*	6,900*	5,100*	5,900*	5,300*	3,900*
	140	9,900*	10,000*		7,400*	6,300*		5,700*	5,000*	3,400*
	150	8,800*			7,000*	5,700*		5,400*	4,600*	
	160	7,600*			6,400*	5,000*		5,100*	4,000*	
	170				5,600*			4,700*	3,300*	
	180							3,900*		
	190							3,000*		
160	40	23,400*			16,500*					
	50	21,900*	16,700*		15,700*			13,100*		
	60	20,500*	15,900*	12,600*	15,000*	11,900*		12,400*	9,800*	
	70	19,000*	15,000*	12,300*	14,200*	10,900*	7,700*	11,700*	9,000*	5,900*
	80	17,500*	14,100*	12,000*	13,400*	9,900*	7,500*	11,000*	8,300*	5,700*
	90	16,400*	13,200*	11,600*	12,500*	8,900*	7,200*	10,200*	7,600*	5,500*
	100	15,400*	12,700*	11,300*	11,400*	7,900*	7,000*	9,400*	6,800*	5,300*
	110	14,100*	12,400*	10,600*	10,400*	7,700*	6,700*	8,700*	6,000*	4,800*
	120	12,200*	12,000*	9,400*	9,300*	7,500*	6,000*	7,900*	5,800*	4,100*
	130	10,600*	10,900*	8,300*	8,100*	7,300*	5,300*	7,000*	5,600*	3,500*
	140	9,200*	9,500*		7,700*	7,000*	4,600*	6,200*	5,300*	3,000*
	150	8,100*	8,300*		7,500*	6,600*		5,800*	5,100*	2,700*
	160	7,000*	7,200*		7,200*	6,000*		5,500*	4,700*	2,400*
	170	6,100*			6,300*	5,400*		5,300*	4,200*	
	180	5,300*			5,500*			5,000*	3,700*	
	190				4,700*			4,500*	3,100*	
	200							3,800*		
180	50	22,600*	17,100*		16,000*			13,400*		
	60	21,200*	16,300*	12,800*	15,300*	12,300*		12,700*		
	70	19,900*	15,500*	12,500*	14,600*	11,400*	7,700*	12,100*	9,400*	
	80	18,600*	14,700*	12,200*	13,900*	10,500*	7,600*	11,400*	8,700*	5,800*
	90	16,900*	13,900*	11,800*	13,200*	9,600*	7,400*	10,700*	8,000*	5,600*
	100	14,500*	13,000*	10,200*	12,300*	8,700*	7,100*	10,100*	7,300*	5,000*
	110	12,800*	11,600*	8,900*	11,100*	7,900*	6,200*	9,300*	6,600*	4,300*
	120	11,400*	10,100*	7,800*	9,800*	7,700*	5,300*	8,200*	5,900*	3,700*
	130	10,000*	9,100*	6,800*	8,800*	7,000*	4,600*	7,300*	5,500*	3,100*
	140	8,600*	8,200*	6,000*	7,800*	6,300*	4,000*	6,500*	4,900*	2,700*
	150	7,500*	7,200*		7,100*	5,600*	3,500*	5,900*	4,300*	2,400*
	160	6,400*	6,600*		6,400*	5,100*		5,300*	3,800*	2,100*
	170	5,500*	5,700*		5,700*	4,500*		4,700*	3,400*	1,800*
	180	4,700*	4,900*		4,900*	4,100*		4,300*	3,000*	
	190	4,000*			4,100*	3,700*		4,000*	2,800*	
	200	3,300*			3,500*			3,600*	2,600*	
	210				2,900*			3,000*		
	220							2,500*		
190	50	22,800*	17,300*		16,200*			13,500*		
	60	21,600*	16,400*	12,800*	15,500*	12,500*		12,900*		
	70	19,600*	15,700*	12,500*	14,800*	11,600*	7,800*	12,300*	9,500*	
	80	17,100*	15,000*	12,300*	14,200*	10,800*	7,600*	11,600*	8,900*	5,800*
	90	14,400*	13,100*	10,800*	12,500*	9,900*	7,400*	10,900*	8,200*	5,600*
	100	12,700*	11,500*	9,300*	11,000*	9,000*	6,600*	9,600*	7,500*	4,700*
	110	11,200*	10,200*	8,100*	9,800*	8,100*	5,700*	8,400*	6,700*	4,000*
	120	10,000*	9,000*	7,000*	8,600*	7,200*	4,900*	7,400*	5,800*	3,400*
	130	9,000*	8,100*	6,100*	7,800*	6,400*	4,200*	6,500*	5,100*	2,900*
	140	8,000*	7,300*	5,500*	6,900*	5,700*	3,700*	5,800*	4,500*	2,500*
	150	7,200*	6,400*	4,900*	6,200*	5,000*	3,300*	5,200*	3,900*	2,200*
	160	6,100*	5,900*		5,600*	4,500*	2,800*	4,700*	3,500*	1,900*
	170	5,200*	5,300*		5,000*	4,100*		4,200*	3,100*	1,700*
	180	4,400*	4,600*		4,500*	3,700*		3,800*	2,800*	
	190	3,700*			3,800*	3,300*		3,500*	2,500*	
	200	3,000*			3,200*	3,000*		3,200*	2,300*	
	210	2,400*			2,600*			2,700*	2,100*	
	220				2,000*			2,200*		
	230							1,700*		
200	50	23,100*			16,300*			13,600*		
	60	20,200*	16,600*	12,900*	15,700*	12,600*		13,000*		
	70	17,400*	15,900*	12,600*	14,800*	11,800*	7,800*	12,400*	9,600*	
	80	14,600*	13,500*	11,300*	12,800*	11,000*	7,600*	11,400*	9,000*	5,800*
	90	12,700*	11,700*	9,700*	11,300*	9,900*	7,200*	9,800*	8,200*	5,300*
	100	11,200*	10,300*	8,500*	9,800*	8,600*	6,100*	8,500*	7,100*	4,500*
	110	9,900*	9,000*	7,300*	8,600*	7,400*	5,300*	7,400*	6,100*	3,800*
	120	8,900*	8,000*	6,400*	7,600*	6,400*	4,500*	6,500*	5,200*	3,200*
	130	7,900*	7,000*	5,600*	6,700*	5,700*	3,900*	5,800*	4,600*	2,800*
	140	7,100*	6,400*	5,000*	6,100*	5,100*	3,400*	5,100*	4,000*	2,400*
	150	6,400*	5,700*	4,500*	5,400*	4,500*	3,000*	4,600*	3,600*	2,000*
	160	5,700*	5,100*	3,900*	4,800*	4,000*	2,600*	4,100*	3,100*	1,800*
	170	4,900*	4,600*		4,400*	3,600*	2,400*	3,700*	2,800*	1,600*
	180	4,100*	4,200*		4,000*	3,200*		3,300*	2,500*	
	190	3,400*	3,500*		3,500*	2,900*		3,000*	2,200*	
	200	2,700*			2,900*	2,700*		2,800*	2,000*	
	210	2,100*			2,300*			2,400*	1,900*	
	220				1,700*			1,800*	1,700*	

FMC

HC-218A jib capacities — hammerhead boom (U.S. units)

Notes — tubular jib capacities

1. The capacities included in this chart are the maximum allowable, and are based on machine standing level on firm supporting surface under ideal job conditions. Capacities are based on 85% of minimum tipping loads unless marked with an asterisk (*).
   a. Asterisk indicates capacities are based on factors other than those which would cause a tipping condition.
   b. Capacities for 360° swing applicable **only** when front center jack and front and rear outriggers are set in proper working position.
2. Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, supporting surface conditions, inflation of tires, and operating speeds. Operator must reduce load ratings accordingly to take such conditions into account. Deduction from rated capacities must be made for weight of jib, hook block, ball/hook, sling, spreader bar, or other suspended gear.
3. Boom lengths exceeding 150' — boom midpoint suspension pendants required.
4. Main boom lengths must not exceed 230'.
5. For lifting 200,000 lbs., 10 parts of 7/8" diameter Type "N" wire rope are required. Check parts of line required for all capacities.
6. Jib cannot be used on boom lengths less than 40' or longer than 200'.
7. Refer to all notes on applicable lifting crane capacity chart in addition to these notes.
8. Machine equipped with "AB" upper counterweight — do not swing over side until outriggers have been set.
9. Telescopic boom live mast, pinned in the extended 24' position, required for all open throat boom capacities.
10. Least stable position is over side.
11. When handling loads on main load hoist line with jib mounted on boom, reduce rated boom capacities as follows to compensate for jib weights —
    30' jib — 2,000 lbs.
    45' jib — 2,400 lbs.
    60' jib — 3,200 lbs.
12. Capacities apply only to the machine as originally manufactured and normally equipped by FMC Corporation, Cable Crane and Excavator Division.

CR1393 11811.5 (Supersedes #938879.25)

Link-Belt® HC-218A lifting crane capacities — open throat boom

— Machine must be equipped with heavy duty axle/suspension system.

HC-218A maximum allowable open throat capacities on tires over the rear - maximum travel speed - 1 mph

PCSA Class (12-340)

Capacities are for a crane on FMC 260" W.B. carrier and equipped with 1-3/8" diameter pendants and open throat 50" x 60" tubular boom assembled in accordance with make-up label 18P735. Counterweights per plate No. 18P819. Refer to All notes at bottom

BOOM			CAPACITIES On tires Rear
Lgth	Rad	Angle	Ctwt AB + A
40'	12'	77.7°	110,800*
	13'	76.3°	107,100*
	14'	74.8°	103,500*
	15'	73.3°	100,200*
	16'	71.8°	97,100*
	17'	70.3°	94,100*
	18'	68.7°	91,400*
	19'	67.2°	87,200
	20'	65.6°	81,600
	25'	57.5°	61,300
	30'	48.5°	48,700
	35'	38.0°	40,200
	40'	24.1°	33,900
50'	12'	80.2°	110,200*
	13'	79.0°	106,500*
	14'	77.9°	102,900*
	15'	76.7°	99,600*
	16'	75.5°	96,500*
	17'	74.3°	93,600*
	18'	73.1°	90,800*
	19'	71.9°	87,300
	20'	70.7°	81,600
	25'	64.5°	61,400
	30'	58.0°	48,800
	35'	50.9°	40,200
	40'	43.1°	34,000
	50'	21.6°	25,500

BOOM			CAPACITIES On Tires Rear
Lgth	Rad	Angle	Ctwt AB + A
60'	13'	80.9°	106,000*
	14'	79.9°	102,500*
	15'	78.9°	99,200*
	16'	78.0°	96,100*
	17'	77.0°	93,100*
	18'	76.0°	90,600*
	19'	75.0°	87,600
	20'	74.0°	81,900
	25'	69.0°	61,600
	30'	63.8°	48,900
	35'	58.3°	40,300
	40'	52.5°	34,100
	50'	39.2°	25,600
	60'	19.7°	20,100
70'	15'	80.5°	98,500*
	16'	79.7°	95,400*
	17'	78.9°	92,500*
	18'	78.0°	89,900*
	19'	77.2°	87,300*
	20'	76.4°	81,800
	25'	72.1°	61,400
	30'	67.8°	48,700
	35'	63.3°	40,200
	40'	53.6°	33,900
	50'	48.4°	25,400
	60'	36.2°	20,000
	70'	18.2°	16,100

BOOM			CAPACITIES On tires Rear
Lgth	Rad	Angle	Ctwt AB + A
80'	17'	80.3°	91,800*
	18'	79.6°	89,300*
	19'	78.8°	86,700*
	20'	78.1°	81,600
	25'	74.4°	61,200
	30'	70.7°	48,500
	35'	66.8°	40,000
	40'	62.9°	33,700
	50'	54.5°	25,200
	60'	45.1°	19,800
	70'	33.8°	16,000
	80'	17.0°	13,100
90'	18'	80.7°	88,700*
	19'	80.1°	86,000*
	20'	79.4°	81,300
	25'	76.2°	61,000
	30'	72.9°	48,300
	35'	69.5°	39,800
	40'	66.1°	33,500
	50'	58.9°	25,000
	60'	51.1°	19,600
	70'	42.4°	15,800
	80'	31.8°	12,900
	90'	16.0°	10,700

BOOM			CAPACITIES On tires Rear
Lgth	Rad	Angle	Ctwt AB + A
100'	20'	80.5°	81,100
	25'	77.6°	60,700
	30'	74.6°	48,000
	35'	71.6°	39,500
	40'	68.6°	33,200
	50'	62.3°	24,700
	60'	55.6°	19,400
	70'	48.3°	15,500
	80'	40.1°	12,700
	90'	30.1°	10,500
	100'	15.2°	8,700

Lifting Crane Notes

1. Capacities shown are in pounds and are not more than 85% of the tipping loads with machine standing level on firm supporting surface. A deduction must be made from these capacities for weight of hook block, hook, sling, grapple, load weighing devices, etc. When using main hook while jib is attached reduce capacities by values shown on jib capacity chart. See operator's manual for all limitations when raising or lowering attachment.
   Indicates these capacities are based on factors other than those which would cause a tipping condition.
2. For recommended reeving, parts of line, wire rope type, and wire rope inspection, see plate No. 21P9, operator's manual and parts manual.
3. The pinned telescopic live mast must be used in the extended 24' position for all capacities on this chart.
4. Maximum boom length is 100'.
5. These capacities apply only to the machine as originally manufactured and normally equipped by FMC Corporation Cable Crane and Excavator Division.
6. Machine with "AB" upper counterweight. Do not swing over side until outriggers have been set.

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LINK-BELT
HC-218A
LATTICE BOOM TRUCK CRANE

DESCRIPTION	PRICES	WEIGHT LBS.	WEIGHT KG.
1. HC-218A BASIC UPPER ✓ F.O.B. BOWLING GREEN, KENTUCKY with General Motors 6-71N diesel engine and single stage Allison torque converter, turntable bearing, foot throttle, independent boomhoist with low speed planetary drive unit for boom lowering, boom hoist limiting device, swing brake, power load lowering clutch on rear drum shaft, drum rotation indicators, and 21,000 lb (9 526 kg) counterweight "A", and 12,000 lb (5 443 kg) counterweight "B"	198,200	68,630	31,131
5. GENERAL MOTORS 6-71N DIESEL ENGINE WITH THREE STAGE TWIN DISC TORQUE CONVERTER ✓ instead of standard	7,860	250	113
10. CUMMINS N855-C220 DIESEL ENGINE WITH THREE STAGE TWIN DISC TORQUE CONVERTER instead of standard.	7,860	830	376
15. HAND THROTTLE on swing control lever	2,020	20	9
20. POWER LOAD LOWERING CLUTCH ON FRONT DRUM SHAFT	3,080	400	181
25. HIGH SPEED POWER BOOM LOWERING CLUTCH	2,360	280	127
30. TWO-SPEED PLANETARY ON REAR DRUM for increased hoist speed----------(PRICE EACH)	8,490*	450	204
35. TWO-SPEED PLANETARY ON FRONT DRUM for increased hoist speed----------(PRICE EACH) PRICE INCLUDES REQUIRED POWER LOAD LOWERING CLUTCH ON FRONT DRUM	10,850*	850	386
*Planetaries are available on all drums for either increased or reduced hoisting speeds and/or increased or reduced lowering speeds.			
37. HYDRAULIC BOOMFOOT PIN REMOVAL SYSTEM	2,085		
40. DEDUCT FOR NOT FURNISHING COUNTERWEIGHT "B"	6,620CR	12,000-	5,443-
45. THIRD DRUM MECHANISM WITH MECHANICAL BRAKE with 11-1/4" (0.29 m) smooth hoist drum but without rope PRICE INCLUDES REQUIRED POWER LOAD LOWERING CLUTCH ON FRONT DRUM SHAFT	9,720	2,100	953
46. POWER LOAD LOWERING CLUTCH ON THIRD DRUM SHAFT	3,080	400	181
47. REMOVABLE CATWALK ALONG OPERATOR'S SIDE	1,445	100	45
48. AUTOMATIC DRUM BRAKES front and rear drums	8,435*	250	113
*Dead man controls available at no charge - must be stated on sales order			

HC-218A DESCRIPTION	PRICES	WEIGHT LBS.	WEIGHT KG.
49. ANTI TWO BLOCK WARNING DEVICE audio -- main load hoist line only	3,590	100	45
50. ANTI TWO BLOCK WARNING DEVICE audio -- main load hoist line and jib load line.	5,055	150	68
51. LOAD MOMENT WARNING DEVICE audio/visual -- main load hoist line only.	CONSULT SALES OFFICE		
52. LOAD MOMENT WARNING DEVICE audio/visual -- main load hoist line and jib load line.	CONSULT SALES OFFICE		
53. AUTOMATIC FUNCTION KICK-OUT SYSTEM for use with ITEMS 49, 50, 51 or 52. NOTE Item 48 is required when using this option.	1,755	100	45
55. ELECTRIC WINDSHIELD WIPER	540	10	5
60. CAB HEATER AND DEFROSTER FAN Propane.	1,320	30	14
61. CAB HEATER AND DEFROSTER FAN Hot water.	675	30	14
65. SPECIAL PAINT; BASIC MACHINE ONLY Covers applying a different color only of a standard acrylic enamel	1,215		
66. SPECIAL PAINT; BOOM AND JIB SECTIONS Covers applying a different color only of a standard acrylic enamel----------(EACH SECTION)	140		
67. 3000 WATT ONAN INDEPENDENT LIGHT PLANT with four cycle, one cylinder, air cooled diesel engine and remote electric starting. 120 volt, three wire, single phase, 60 cycles A.C., including wiring in conduit, interior cab lights, trouble lamp with cord, two 300 watt adjustable floodlights on cab front roof and cab extension when required. See note. NOTE Independent light plant cannot be furnished in conjunction with magnet generator due to lack of installation space.	7,875	345	156
68. ADDITIONAL 300 WATT FLOODLIGHT, CAB MOUNTED ----------(PRICE EACH)	295	10	5
69. ADDITIONAL 300 WATT FLOODLIGHT, BOOM MOUNTED Specify location----------(PRICE EACH)	270	25	11
70. BATTERY LIGHTING SYSTEM including two sealed beam automotive type adjustable headlights located on cab front roof, one interior cab light and automotive type wiring.	570	50	23

HC-218A DESCRIPTION	PRICES	WEIGHT LBS.	WEIGHT KG.
71. EXTRA SEALED BEAM AUTOMOTIVE TYPE HEADLIGHT ON BOOM Specify location----------(PRICE EACH) ** Three extra automotive type headlights are maximum quantity recommended. Twelve volt systems use 50 watt lamps.*	315*	25	11
75. LIFTING CRANE ATTACHMENT: 20' (6.10 m) BASE SECTION ONLY with pin-connected sections, boom angle indicator, skywalk, boom stops, 16 part boomhoist, 550' (167.64 m) of 3/4" (19 mm) Type "T" boomhoist rope, power hydraulic boom live mast, MID-POINT SUSPENSION PENDANTS, 890' (271.30 m) of 7/8" (22 mm) Type "N" main load hoist rope, but no hook block ** Boom lengths exceeding 150' (45.72 m) must have a joint 80' (24.38 m) from boom foot pins to allow attachment of mid-point suspension pendants.*	30.520*	8,570	3.887
80. CALIFORNIA STYLE BOOM STOPS (California requirement only) instead of standard	1,275	190	86
85. 20' (6.10 m) OPEN THROAT BOOM TOP SECTION. 5 boom point sheaves, rigid sheave guard, main load hoist wire rope deflector roller, basic pendants.	11,410	3,380	1.533
90. 10' (3.05 m) TWO PIECE HAMMERHEAD BOOM TOP SECTION consisting of a 5' (1.52 m) hammerhead, a 5' (1.52 m) transition section, pin connections, 5 boom point sheaves, two deflector sheaves, pendants and backstay lines and back stops for jib if furnished.	17,040	3,160	1.433
95. 40' (12.19 m) TAPERED BOOM TOP SECTION with pin connections, 2 boom point sheaves, rigid guards, three deflector rollers, spreader bar, and basic pendants MINIMUM OPERATING LENGTH 90' (27.43 m) NOTE The first 60' (18.29 m) of boom extensions adjacent to the base section in any boom must be made up of "H" wall chord extensions. In order to make up all short boom lenth combinations, it is recommended that this 60' (18.29 m) be made up of one each of items 100, 105 and 110. 60' (18.29 m) is also the maximum length of "H" wall chord extensions to be used in any boom. See note for item 150 for the only exception.	20,040	3,685	1.672
100. 10' (3.05 m) TUBULAR BOOM EXTENSION WITH "H" WALL CORDS with pendants and main load wire rope deflector rollers.	5,415	675	306

HC-218A DESCRIPTION	PRICES	WEIGHT LBS.	WEIGHT KG.
105. 20' (6.10 m) TUBULAR BOOM EXTENSION WITH "H" WALL CORDS with pendants and main load wire rope deflector rollers	7,025	1,120	*508*
110. 30' (9.14 m) TUBULAR BOOM EXTENSION WITH "H" WALL CORDS with pendants and main load wire rope deflector rollers.	7,950	1,580	*717*
115. 10' (3.05 m) TUBULAR BOOM EXTENSION WITH "F" WALL CORDS with pendants and main load wire rope deflector rollers.	4,915	615	*279*
125. 20' (6.10 m) TUBULAR BOOM EXTENSION WITH "F" WALL CORDS with pendants and main load wire rope deflector rollers.	6,405	1,030	*467*
130. 30' (9.14 m) TUBULAR BOOM EXTENSION WITH "F" WALL CORDS with pendants and main load wire rope deflector rollers.	7,230	1,440	*653*
135. 40' (12.19 m) TUBULAR BOOM EXTENSION WITH "F" WALL CORDS with pendants and main load wire rope deflector rollers.	8,395	1,870	*848*
140. 30' (9.14 m) TWO PIECE TUBULAR JIB with 585' (178.31 m) of 3/4" (19 mm) Type "K" single part hoist line, but no hook or weight. NOTE: maximum jib lenth 60' (18.29 m)	10,710	1,965	*891*
145. 15' (4.57 m) JIB EXTENSION with pendants	2,085	300	*136*
150. BOOM FOLDING EQUIPMENT ON OPEN THROAT BOOM ONLY including folding brackets, special 10' (3.05 m) "H" wall pin-connected boom extension with pendants and main load hoist wire rope deflector roller and dual wheels on boom peak with 4:00 x 18B (4-ply rating) tires NOTE: Only the following boom lengths can be folded: 60, 80, 100, 120, 140 and 160 ft (18.29, 24.38, 30.48, 36.58, 42.67 and 48.77 m) When using the special 10' (3.05 m) folding section a total of 70' (21.34 m) of "H" wall boom extensions may be used. This combination is required to fold 160' (48.77 m) of boom. Combination of boom sections must be such that the portion of the boom folded under be 20' (6.10 m) shorter than the upper portion. The special 10' (3.05 m) boom extension must be placed on the machine side of the joint where boom is to be folded.	9,025	1,365	*619*
155. SKYWAY PLATFORM for boom extension	295	125	*57*
160. RUD-O-MATIC TAGLINE WINDER, MODEL 648 with rope	1,555	325	*147*

HC-218A DESCRIPTION	PRICES	WEIGHT LBS.	WEIGHT KG.
165. 10-TON (9.07 METRIC TON) HOOK, BALL WEIGHT AND SWIVEL for 3/4"-7/8"-1"-1-1/8" (19-22-25-29 mm) diameter wire rope	2,150	710	322
170. 15-TON (13.61 METRIC TON) 1 SHEAVE HOOK BLOCK for 5/8" - 3/4" (19-22 mm) diameter wire rope.	1,125	350	159
175. 50-TON (45.35 METRIC TON) 3 SHEAVE HOOK BLOCK for 3/4" - 7/8" (19-22 mm) diameter wire rope	2,775	870	395
180. 60-TON (54.42 METRIC TON) 3 SHEAVE HOOK BLOCK for 7/8" - 1" (22-25 mm) diameter wire rope.	4,005	1,098	498
185. 65-TON (58.96 METRIC TON) 5 SHEAVE HOOK BLOCK for 3/4" - 7/8" (19-22 mm) diameter wire rope.	5,860	1,470	667
190. 90-TON (81.63 METRIC TON) 5 SHEAVE HOOK BLOCK for 3/4" - 7/8" (19-22 mm) diameter wire rope	8,015	1,850	839
195. 100-TON (90.70 METRIC TON) 5 SHEAVE HOOK BLOCK for 7/8" (22 mm) diameter wire rope.	9,360	1,800	816
200. FMC MOUNTING: 11' 0" (3.35 m) WIDE WITH 8 x 4 DRIVE General Motors 6V-92TAC diesel engine, eight wheel air brakes, twelve 14:00 x 24J (18-ply rating) transport type tires, power hydraulic steering, removable pin-connected front and rear outrigger boxes with four ground controlled power hydraulic beams and jacks with floats, ground controlled power hydraulic front center jack and float, fenders, towing shackles front and rear, 13,500 lb (6 124 kg) front bumper counterweight "A" and one man cab with heater and defroster fan.	245,605	62,410	28,309
205. HEAVY DUTY AXLE/SUSPENSION SYSTEM enables machine to handle increased load for pick and carry application - instead of standard. Includes 18-ply rating tires for front and 20-ply rating tires for rear.	7,175	1,000	454
210. CONTROLS FOR HYDRAULIC OUTRIGGERS IN UPPER CAB in addition to standard. (Will not control front center jack).	2,040	125	57
215. HYDRAULIC EQUIPMENT FOR REMOVING OUTRIGGER BOX PINS	5,640	365	166
220. CUMMINS NTC-300 DIESEL ENGINE instead of standard.	375	300	136
225. CUMMINS NTC-350 DIESEL ENGINE instead of standard.	1,140	300	136
230. CUMMINS NTCC-350 DIESEL ENGINE instead of standard. Necessary in California.	2,580	740	336
235. 14:00 x 24J (18-PR) TIRES AND RIMS GENERAL HCT NYGEN HIGHWAY TYPE instead of standard.	1,595	228	103

HC-218A DESCRIPTION	PRICES	WEIGHT LBS.	WEIGHT KG.
240. 14:00 x 24J (18-PR) TIRES AND RIMS GOODYEAR SRL-1 instead of standard.	1,740	684	310
245. 14:00 x 24J (18-PR) TIRES AND RIMS (FRONT) 14:00 x 24L (20-PR) TIRES AND RIMS (REAR) GENERAL HCT NYGEN HIGHWAY TYPE instead of standard. (For use with item 205)	4,280	452	205
250. 14:00 x 24J (18-PR) TIRES AND RIMS (FRONT) 14:00 x 24L (20-PR) TIRES AND RIMS (REAR) GOODYEAR SRL-1 instead of standard. (For use with item 205).	6,240	908	412
255. SPARE TIRE AND RIM - 14:00 x 24J (18-PR) TRANSPORT TYPE	1,485	370	168
260. SPARE TIRE AND RIM - 14:00 x 24J (18-PR) GENERAL HCT NYGEN HIGHWAY TYPE	1,595	397	180
265. SPARE TIRE AND RIM - 14:00 x 24J (18-PR) GOODYEAR SRL-1	1,610	429	195
270. SPARE TIRE AND RIM - 14:00 x 24L (20-PR) GOODYEAR CUSTOM HI-MILER TRANSPORT TYPE for use with Item 205.	1,925	398	181
275. SPARE TIRE AND RIM - 14:00 x 24L (20-PR) GENERAL HCT NYGEN HIGHWAY TYPE for use with Item 205.	2,060	425	193
280. SPARE TIRE AND RIM - 14:00 x 24L (20-PR) GOODYEAR SRL-1 for use with Item 205	2,280	457	207
285. SPARE RIM ONLY for 14:00 x 24J tire	225	140	64
290. SPARE RIM ONLY for 14:00 x 24L tire. (For use with Item 205).	610	168	76
295. TRANSPORT TRAILERS TAG AXLE (SINGLE AXLE) with air brakes and 10.00 x 20F (12-ply rating) dual tires.	CONSULT SALES OFFICE		
300. AIR AND ELECTRIC CONNECTIONS at rear of mounting for trailer/tag axle lights and air brakes	820	50	23
305. PINTLE HOOK TRAILER HITCH.	320	75	34
310. PREPARATION OF MACHINE FOR EXPORT SHIPMENT ----------(Net Price)	2,695*		

*price includes machine dismantling as necessary, but not major upper disassembly; protection for windows; rust protection for unfinished surfaces; protection of clutches from rust and foreign matter; furnishing lifting lugs on carriers; packaging,skidding, or boxing loose or disassembled parts or components and marking for export. Consult sales office for quotation if additional disassembly or boxing of upper or carrier is required.

HC-218A DESCRIPTION	PRICE$	WEIGHT LBS.	WEIGHT KG.
315. PROTECTION OF TUBULAR BOOM FOR EXPORT SHIPMENT ----------(Net Price) ----------(PER LINEAR FOOT)	40		
320. PROTECTION OF TUBULAR JIB FOR EXPORT SHIPMENT----------(Net Price) ----------(PER LINEAR FOOT)	8		