



FEATURES

- **110 tons (100 mt) max lift capacity**
- **230 ft. (70 m) max main boom length**
- **200+70 ft. (61+21 m) max lift crane boom & jib length**
- Power up/down and freefall on main and auxiliary drums
- 40,640 lbs. (18 435 kg) max single line pull, 565 fpm (172 mpm) max line speed
- Quiet, comfortable operator's cab with excellent viewing range
- Shockless stop system gradually retards operating speed to reduce shocks when crane approaches lifting load or boom limits
- Two speed travel allows operator to select the best speed and power control for any condition
- Superior transportability:
11 ft. (3.35 m) width
11 ft. 3 in. (3.43 m) height
- 99,400 lbs. (45 100 kg) transport weight including sideframes and boom inner. Transports with full boom and jib on only 4 trucks
- Hydraulic counterweight removal system simplifies installation and removal

THE ULTIMATE CRANE™

Machines shown may have optional equipment.

Courtesy of Crane.Market

AMERICAN HC 110

Hydraulic Crawler Crane

Max. Lifting Capacity:
110 tons (80 mt)



Environmental operator's cab



Hydraulic removable counterweight system

230 ft. (70 m) MAXIMUM LIFT CRANE BOOM

- 59HI tubular chord boom, pin connected.
- 25 ft. (7.6 m) inner and outer and 10/20/40 ft. (3/6/12 m) available inserts provide boom compositions in 10 ft. (3 m) increments from 50 ft. (15.2 m) to 230 ft. (70 m).

ENVIRONMENTAL OPERATOR'S CAB

- Designed to provide excellent viewing range and quiet, comfortable operation.
- 37 in. (.91 m) wide cab has wide curved windows on both top and bottom.
- Easy-to-operate modular and ergonomically designed controls reduce operator fatigue and increase productivity.
- Load Moment Indicator with interactive screen features a shockless stop system. Operator can select from three display modes: loaded condition diagram, rated lifting curve, and rated lifting load table.
- Adjustable operator's seat, radio, air conditioner, overhead window, sun visor, fan, overhead and front wipers, and drum rotation indicators standard.

HEAVY DUTY CARBODY AND CRAWLERS

- Fabricated steel carbody is deep box constructed with square axles for the crawler side frames. Precision machined top supports anti-friction swing circle and multiple pass hydraulic swivel joint.

- Crawlers have high alloy steel tumbler yokes and rigid fabricated structures with built-in sealed automatic lubrication system.
- 36" (914 mm) crawler shoes.
- Travel mechanism is set within shoe width.
- Side frames extended or retracted by cylinders inside the carbody.
- Two travel speed settings – 0.60/0.87 mph (0.96/1.4 km/h).
- 30% (17°) gradeability.

POWERFUL, HIGH-SPEED HOIST SYSTEM

- Independent main and auxiliary load hoisting drums. Main drum is grooved for 1 in. (25 mm) diameter rope. Max line speed is 513 fpm (156 m/min), max single line pull is 40,640 lbs. (18 435 kg). Rated single line pull is 29,500 lbs. (13 381 kg). Auxiliary drum is grooved for 7/8 in. (22.4 mm) diameter rope. Max line speed is 553 fpm (168 m/min), max single line pull is 37,670 lbs. (17 086 kg). Rated single line pull is 22,700 lbs. (10 297 kg). Freefall on main and auxiliary drums.
- Each drum, including optional third, has power up/down. Load hoists are further controllable in stepless mode.
- Ample work space in front of drums allows easy access for cable installation and maintenance.
- External contracting brake.
- Internal expanding band clutch.
- 3.0 rpm swing speed.

HIGH CAPACITY, DEPENDABLE HYDRAULIC SYSTEM

- Open circuit system has 5 variable displacement piston pumps with system capacity of 183 gpm (692 lpm).
- Hydraulic reservoir with 79 gal. (300 l) capacity and 10 micron filtration.
- Component working range is between -4 and 203° F (-20 and 95° C).
- 230 HP (171 kW) @ 2000 RPM Cummins 6CTA 8.3 turbocharged diesel engine. Fuel tank capacity is 105 gal. (397 l).

FOUR PIECE REMOVABLE COUNTERWEIGHT

- Four piece pin connected counterweight can be assembled or disassembled easily within minutes.
- Hydraulic counterweight removal system is standard and makes the HC 110 one of the most transportable cranes in its class.
- Moves on four trucks with full boom and #9HL jib. At 17 ft. 0.5 in. (5.2 m) wide and 11 ft. (3.35 m) high, the basic HC 110 will transport on a standard lowboy trailer.

OPTIONS INCLUDE:

- Third drum.
- Automotive type lights.
- Hydraulic power take off.
- Jib and jib inserts.

For more information, product demonstration, or details on purchase, lease and rental plans, please contact your local Terex Cranes Distributor.

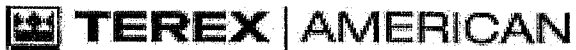
We reserve the right to amend these specifications at any time without notice. The only warranty applicable is our standard written warranty applicable to the particular product and sale. We make no other warranty, expressed or implied.

THE ULTIMATE CRANE™

 **TEREX | AMERICAN**

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Model HC110 Crawler Crane - Ratings In Pounds
 59HI Offset Tip Boom - 4 Sheave Tip
 52,900 Pound Upper Counterweight
 23,000 Pound Sideframe Counterweight
 Sideframes Fully Extended - w/ Extenders In Place

| BOOM LENGTH | RADIUS (FEET) | BOOM ANGLE (DEGREES) | 360 DEGREE RATING (POUNDS) | FROM BOOM POINT TO GROUND (FEET) |
|-------------|---------------|----------------------|----------------------------|----------------------------------|
| 50' BOOM | 13 | 79.9 | 220,000 * | 56 |
| | 15 | 77.6 | 190,080 * | 55 |
| | 20 | 71.6 | 123,290 | 54 |
| | 25 | 65.4 | 87,670 | 52 |
| | 30 | 58.9 | 67,640 | 49 |
| | 35 | 51.9 | 54,900 | 46 |
| | 40 | 44.1 | 46,010 | 41 |
| 60' BOOM | 50 | 22.7 | 34,480 | 26 |
| | 14 | 80.7 | 203,570 * | 66 |
| | 15 | 79.7 | 189,950 * | 65 |
| | 20 | 74.8 | 123,100 | 64 |
| | 25 | 69.7 | 87,490 | 63 |
| | 30 | 64.5 | 67,430 | 61 |
| | 35 | 59.1 | 54,700 | 58 |
| 70' BOOM | 40 | 53.3 | 45,790 | 54 |
| | 50 | 40.0 | 34,250 | 45 |
| | 60 | 20.6 | 27,130 | 27 |
| | 16 | 80.3 | 177,910 * | 75 |
| | 20 | 77.0 | 122,950 | 75 |
| | 25 | 72.8 | 87,320 | 73 |
| | 30 | 68.4 | 67,250 | 71 |
| 80' BOOM | 35 | 63.9 | 54,530 | 69 |
| | 40 | 59.2 | 45,620 | 67 |
| | 50 | 49.0 | 34,050 | 59 |
| | 60 | 36.9 | 26,960 | 48 |
| | 70 | 19.0 | 22,070 | 29 |
| | 17 | 80.8 | 161,850 | 85 |
| | 20 | 78.7 | 122,740 | 85 |
| 90' BOOM | 25 | 75.0 | 87,130 | 84 |
| | 30 | 71.2 | 67,020 | 82 |
| | 35 | 67.4 | 54,310 | 80 |
| | 40 | 63.4 | 45,380 | 78 |
| | 50 | 55.0 | 33,810 | 72 |
| | 60 | 45.7 | 26,730 | 64 |
| | 70 | 34.4 | 21,840 | 52 |
| 90' BOOM | 80 | 17.7 | 18,300 | 31 |
| | 19 | 80.6 | 133,440 | 95 |
| | 20 | 79.9 | 122,580 | 95 |
| | 25 | 76.7 | 86,970 | 94 |
| | 30 | 73.4 | 66,860 | 93 |
| | 35 | 70.0 | 54,150 | 91 |
| | 40 | 66.6 | 45,210 | 89 |
| | 50 | 59.4 | 33,630 | 84 |
| | 60 | 51.6 | 26,570 | 77 |
| 70 | 42.9 | 21,670 | 68 | |
| 80 | 32.3 | 18,120 | 55 | |
| 90 | 16.7 | 15,440 | 32 | |

| BOOM LENGTH | RADIUS (FEET) | BOOM ANGLE (DEGREES) | 360 DEGREE RATING (POUNDS) | FROM BOOM POINT TO GROUND (FEET) |
|--------------|---------------|----------------------|----------------------------|----------------------------------|
| 100' BOOM | 20 | 80.9 | 122,380 | 105 |
| | 25 | 78.0 | 86,760 | 104 |
| | 30 | 75.1 | 66,630 | 103 |
| | 35 | 72.1 | 53,930 | 102 |
| | 40 | 69.0 | 44,980 | 100 |
| | 50 | 62.7 | 33,380 | 95 |
| | 60 | 56.0 | 26,340 | 89 |
| | 70 | 48.8 | 21,430 | 82 |
| | 80 | 40.6 | 17,880 | 71 |
| | 90 | 30.6 | 15,190 | 57 |
| | 100 | 15.8 | 13,090 | 34 |
| 110' BOOM | 22 | 80.7 | 105,050 | 115 |
| | 25 | 79.1 | 86,580 | 114 |
| | 30 | 76.5 | 66,410 | 113 |
| | 35 | 73.8 | 53,720 | 112 |
| | 40 | 71.0 | 44,760 | 110 |
| | 50 | 65.4 | 33,160 | 106 |
| | 60 | 59.5 | 26,130 | 101 |
| | 70 | 53.2 | 21,220 | 94 |
| | 80 | 46.4 | 17,650 | 86 |
| | 90 | 38.6 | 14,960 | 75 |
| | 100 | 29.1 | 12,860 | 60 |
| | 110 | 15.1 | 11,180 | 35 |
| 120' BOOM | 24 | 80.5 | 91,640 | 125 |
| | 25 | 80.1 | 86,370 | 125 |
| | 30 | 77.6 | 66,180 | 124 |
| | 35 | 75.2 | 53,490 | 122 |
| | 40 | 72.7 | 44,530 | 121 |
| | 50 | 67.6 | 32,910 | 117 |
| | 60 | 62.3 | 25,890 | 113 |
| | 70 | 56.7 | 20,970 | 107 |
| | 80 | 50.8 | 17,410 | 99 |
| | 90 | 44.3 | 14,720 | 90 |
| | 100 | 36.9 | 12,600 | 78 |
| | 110 | 27.9 | 10,910 | 62 |
| | 120 | 14.4 | 9,540 | 36 |
| 130' BOOM | 25 | 80.8 | 86,180 | 135 |
| | 30 | 78.6 | 65,990 | 134 |
| | 35 | 76.3 | 53,300 | 133 |
| | 40 | 74.0 | 44,340 | 131 |
| | 50 | 69.4 | 32,700 | 128 |
| | 60 | 64.6 | 25,690 | 124 |
| | 70 | 59.6 | 20,770 | 118 |
| | 80 | 54.3 | 17,210 | 112 |
| | 90 | 48.6 | 14,510 | 104 |
| | | 100 | 42.4 | 12,400 |
| | 110 | 35.4 | 10,700 | 82 |
| | 120 | 26.7 | 9,310 | 65 |
| | 130 | 13.8 | 8,160 | 37 |

| BOOM LENGTH | RADIUS (FEET) | BOOM ANGLE (DEGREES) | 360 DEGREE RATING (POUNDS) | FROM BOOM POINT TO GROUND (FEET) |
|-------------|---------------|----------------------|----------------------------|----------------------------------|
| 140' BOOM | 27 | 80.7 | 76,660 | 145 |
| | 30 | 79.4 | 65,750 | 144 |
| | 35 | 77.3 | 53,070 | 143 |
| | 40 | 75.2 | 44,100 | 142 |
| | 50 | 70.9 | 32,450 | 139 |
| | 60 | 66.5 | 25,450 | 135 |
| | 70 | 62.0 | 20,530 | 130 |
| | 80 | 57.2 | 16,960 | 124 |
| | 90 | 52.2 | 14,260 | 117 |
| | 100 | 46.8 | 12,140 | 108 |
| | 110 | 40.8 | 10,440 | 98 |
| | 120 | 34.0 | 9,050 | 85 |
| | 130 | 25.7 | 7,890 | 67 |
| | 140 | 13.3 | 6,920 | 39 |
| 150' BOOM | 28 | 80.9 | 72,450 | 154 |
| | 30 | 80.1 | 65,530 | 154 |
| | 35 | 78.2 | 52,860 | 153 |
| | 40 | 76.2 | 43,870 | 152 |
| | 50 | 72.2 | 32,220 | 149 |
| | 60 | 68.2 | 25,230 | 146 |
| | 70 | 64.0 | 20,300 | 141 |
| | 80 | 59.6 | 16,730 | 136 |
| | 90 | 55.1 | 14,020 | 129 |
| | 100 | 50.3 | 11,910 | 122 |
| | 110 | 45.1 | 10,210 | 113 |
| | 120 | 39.4 | 8,810 | 102 |
| | 130 | 32.8 | 7,640 | 88 |
| | 140 | 24.9 | 6,670 | 69 |
| 150 | 12.8 | 5,840 | 40 | |
| 160' BOOM | 30 | 80.7 | 65,300 | 164 |
| | 35 | 78.9 | 52,640 | 163 |
| | 40 | 77.1 | 43,640 | 162 |
| | 50 | 73.4 | 31,960 | 160 |
| | 60 | 69.6 | 24,990 | 156 |
| | 70 | 65.7 | 20,060 | 152 |
| | 80 | 61.7 | 16,480 | 147 |
| | 90 | 57.6 | 13,770 | 141 |
| | 100 | 53.2 | 11,650 | 134 |
| | 110 | 48.6 | 9,950 | 126 |
| | 120 | 43.6 | 8,550 | 117 |
| | 130 | 38.1 | 7,380 | 105 |
| | 140 | 31.8 | 6,400 | 91 |
| | 150 | 24.0 | 5,550 | 72 |
| 160 | 12.4 | 4,850 | 41 | |

| BOOM LENGTH | RADIUS (FEET) | BOOM ANGLE (DEGREES) | 360 DEGREE RATING (POUNDS) | FROM BOOM POINT TO GROUND (FEET) |
|-------------|---------------|----------------------|----------------------------|----------------------------------|
| 170' BOOM | 31 | 80.9 | 62,050 | 174 |
| | 35 | 79.6 | 52,430 | 174 |
| | 40 | 77.9 | 43,420 | 173 |
| | 50 | 74.4 | 31,740 | 170 |
| | 60 | 70.8 | 24,780 | 167 |
| | 70 | 67.2 | 19,850 | 163 |
| | 80 | 63.5 | 16,270 | 159 |
| | 90 | 59.7 | 13,560 | 153 |
| | 100 | 55.7 | 11,430 | 147 |
| | 110 | 51.5 | 9,730 | 139 |
| | 120 | 47.0 | 8,320 | 131 |
| | 130 | 42.2 | 7,150 | 121 |
| | 140 | 36.9 | 6,160 | 108 |
| | 150 | 30.8 | 5,320 | 93 |
| | 160 | 23.3 | 4,600 | 74 |
| | 170 | 12.1 | 3,990 | 42 |
| 180' BOOM | 33 | 80.8 | 56,790 | 184 |
| | 35 | 80.2 | 52,200 | 184 |
| | 40 | 78.6 | 43,200 | 183 |
| | 50 | 75.3 | 31,490 | 180 |
| | 60 | 71.9 | 24,560 | 178 |
| | 70 | 68.6 | 19,600 | 174 |
| | 80 | 65.1 | 16,020 | 170 |
| | 90 | 61.5 | 13,310 | 165 |
| | 100 | 57.8 | 11,180 | 159 |
| | 110 | 54.0 | 9,470 | 152 |
| | 120 | 49.9 | 8,070 | 144 |
| | 130 | 45.6 | 6,890 | 135 |
| | 140 | 41.0 | 5,900 | 124 |
| | 150 | 35.8 | 5,060 | 112 |
| | 160 | 29.9 | 4,330 | 96 |
| | 170 | 22.6 | 3,690 | 76 |
| 180 | 11.7 | 3,150 | 43 | |
| 190' BOOM | 34 | 81.0 | 52,440 * | 194 |
| | 35 | 80.7 | 51,980 | 194 |
| | 40 | 79.2 | 42,970 | 193 |
| | 50 | 76.1 | 31,260 | 191 |
| | 60 | 72.9 | 24,330 | 188 |
| | 70 | 69.7 | 19,370 | 185 |
| | 80 | 66.5 | 15,790 | 181 |
| | 90 | 63.2 | 13,070 | 176 |
| | 100 | 59.7 | 10,940 | 170 |
| | 110 | 56.2 | 9,230 | 164 |
| | 120 | 52.4 | 7,820 | 157 |
| | 130 | 48.5 | 6,650 | 149 |
| | 140 | 44.3 | 5,660 | 139 |
| | 150 | 39.8 | 4,810 | 128 |
| | 160 | 34.8 | 4,070 | 115 |
| | 170 | 29.1 | 3,430 | 99 |
| 180 | 22.0 | 2,880 | 78 | |
| 190 | 11.4 | 2,410 | 44 | |

| BOOM LENGTH | RADIUS (FEET) | BOOM ANGLE (DEGREES) | 360 DEGREE RATING (POUNDS) | FROM BOOM POINT TO GROUND (FEET) |
|--------------|---------------|----------------------|----------------------------|----------------------------------|
| 200' BOOM | 36 | 80.9 | 46,580 * | 204 |
| | 40 | 79.7 | 42,730 | 203 |
| | 50 | 76.8 | 31,010 | 201 |
| | 60 | 73.8 | 24,090 | 198 |
| | 70 | 70.8 | 19,130 | 195 |
| | 80 | 67.7 | 15,540 | 191 |
| | 90 | 64.6 | 12,820 | 187 |
| | 100 | 61.4 | 10,690 | 182 |
| | 110 | 58.0 | 8,980 | 176 |
| | 120 | 54.6 | 7,570 | 169 |
| | 130 | 51.0 | 6,390 | 162 |
| | 140 | 47.2 | 5,390 | 153 |
| | 150 | 43.1 | 4,540 | 143 |
| | 160 | 38.8 | 3,800 | 132 |
| | 170 | 33.9 | 3,170 | 118 |
| | 180 | 28.3 | 2,610 | 101 |
| 190 | 21.5 | 2,120 | 80 | |
| 200 | 11.1 | 1,700 | 45 | |
| 210' BOOM | 38 | 80.8 | 41,260 * | 214 |
| | 40 | 80.2 | 40,530 * | 213 |
| | 50 | 77.4 | 30,780 | 211 |
| | 60 | 74.6 | 23,870 | 209 |
| | 70 | 71.7 | 18,910 | 206 |
| | 80 | 68.8 | 15,320 | 202 |
| | 90 | 65.9 | 12,600 | 198 |
| | 100 | 62.9 | 10,470 | 193 |
| | 110 | 59.7 | 8,750 | 188 |
| | 120 | 56.5 | 7,340 | 182 |
| | 130 | 53.2 | 6,160 | 174 |
| | 140 | 49.7 | 5,170 | 166 |
| | 150 | 46.0 | 4,310 | 157 |
| | 160 | 42.0 | 3,570 | 147 |
| | 170 | 37.8 | 2,920 | 135 |
| | 180 | 33.0 | 2,360 | 121 |
| 190 | 27.6 | 1,860 | 104 | |

| BOOM LENGTH | RADIUS (FEET) | BOOM ANGLE (DEGREES) | 360 DEGREE RATING (POUNDS) | FROM BOOM POINT TO GROUND (FEET) |
|-------------|---------------|----------------------|----------------------------|----------------------------------|
| 220' BOOM | 39 | 80.9 | 36,220 * | 224 |
| | 40 | 80.7 | 35,920 * | 223 |
| | 50 | 78.0 | 30,530 | 222 |
| | 60 | 75.3 | 23,640 | 219 |
| | 70 | 72.6 | 18,670 | 216 |
| | 80 | 69.8 | 15,080 | 213 |
| | 90 | 67.1 | 12,350 | 209 |
| | 100 | 64.2 | 10,220 | 204 |
| | 110 | 61.3 | 8,490 | 199 |
| | 120 | 58.2 | 7,090 | 193 |
| | 130 | 55.1 | 5,900 | 187 |
| | 140 | 51.9 | 4,900 | 179 |
| | 150 | 48.5 | 4,050 | 171 |
| | 160 | 44.9 | 3,300 | 162 |
| | 170 | 41.0 | 2,650 | 151 |
| | 180 | 36.9 | 2,090 | 138 |
| 190 | 32.3 | 1,590 | 124 | |
| 230' BOOM | 41 | 80.8 | 31,600 * | 233 |
| | 50 | 78.5 | 27,960 * | 232 |
| | 60 | 76.0 | 23,410 | 230 |
| | 70 | 73.4 | 18,440 | 227 |
| | 80 | 70.8 | 14,840 | 224 |
| | 90 | 68.1 | 12,110 | 220 |
| | 100 | 65.4 | 9,970 | 215 |
| | 110 | 62.6 | 8,250 | 211 |
| | 120 | 59.8 | 6,830 | 205 |
| | 130 | 56.8 | 5,660 | 199 |
| | 140 | 53.8 | 4,660 | 192 |
| | 150 | 50.6 | 3,800 | 184 |
| | 160 | 47.3 | 3,060 | 175 |
| 170 | 43.8 | 2,410 | 166 | |
| 180 | 40.1 | 1,840 | 154 | |



This rating chart is invalid if the crane has been modified or altered by use of other than GENUINE AMERICAN PARTS as such modifications or alterations may affect its capacity or safe operation. See American Crane Corporation Service Bulletin #259.

Ratings in this chart are in POUNDS and do not exceed the percentage of tipping specified for this crane by ANSI B30.5. All ratings require that the crane be standing level on a firm uniformly supporting surface.

Do not lift loads in excess of those shown on this chart. Lifting loads in excess of those shown or operation not in accordance with good operating practice, including limitations shown on page 3499 of Operator's Manual, can cause tipping, structural damage or catastrophic failure.

Asterisk (*) areas on this chart indicate ratings that are limited by strength of material or factors other than stability (tipping).

" RADIUS IN FEET " is the horizontal distance at ground level from the crane centerline of rotation to a vertical line through the center of gravity of the suspended load.

When using the main boom fall with jib in place, the main fall ratings must be reduced by the jib effective weight shown on the jib rating chart plus twice the weight of all suspended blocks, slings, rope, etc., at the jib fall. See Appendix A.

When using the main boom fall with boom tip extension in place, the main fall ratings must be reduced by the weight of the boom tip extension plus twice the weight of all suspended blocks, slings, rope, etc., at the boom tip extension fall. See Appendix A.

Blocks, slings, buckets and other load carrying devices are considered part of the load. The weight of standard hoisting ropes for the rating at a given radius has been calculated as part of the boom point load and need not be considered in determining net allowable loads. See Appendix A.

This chart was developed exclusively for use with a boom only. Under no circumstances are these ratings to be interpreted for use with a jib.

Ratings shown on this chart make no allowance for such factors as out of plumb loads, wind, poor soil conditions, improper inflation of rubber tires and dynamic effects due to excessive operating speeds. The user (operator) must exercise judgment to make allowance for these conditions. See page 3499 of Operator's Manual for detailed information.

No account is taken of the wind force on the load. The user must consider this effect, which can be substantial for loads with large surface areas. In any wind it is strongly recommended that taglines be used to control the load.

BOOM HOIST LINE –

12 parts of 3/4 inch diameter IPS wire rope with a minimum breaking strength of 51,200 pounds

PENDANT SUSPENSION LINE –

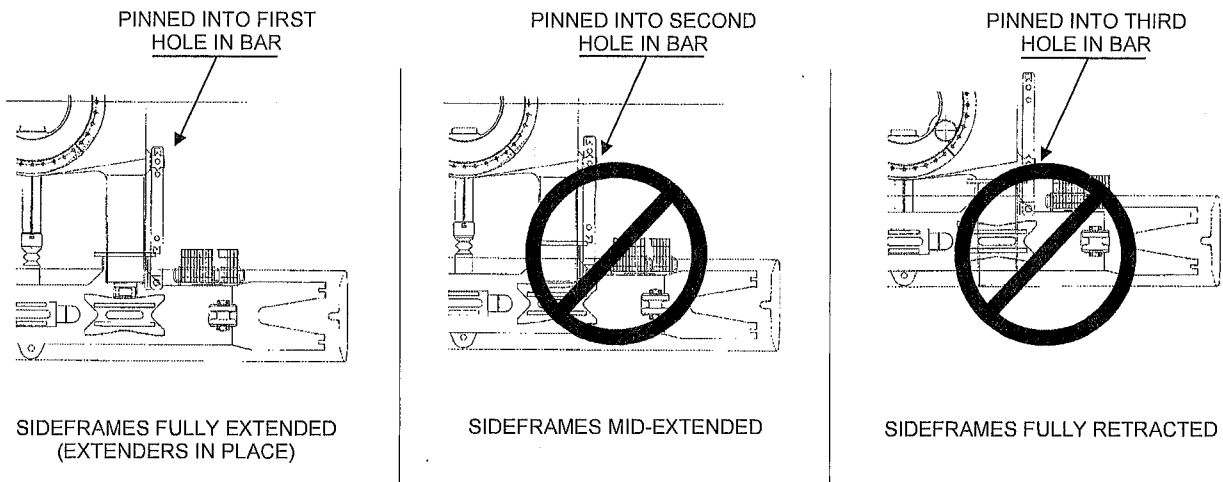
2 parts of 1-3/8 inch diameter EEIPS wire rope with a minimum breaking strength of 211,000 pounds.

MAIN LOAD LINE –

1.000 inch diameter EIPS wire rope with a minimum breaking strength of 103,400 pounds or
 0.875 inch diameter EIPS wire rope with a minimum breaking strength of 79,600 pounds

SIDEFRAME POSITION DEFINITIONS

These ratings are valid for the sideframe positions as indicated below. Refer to the *HC110 Operator's Manual* for additional information.



ERECTION

Erection "OVER-THE-END BLOCKED" is with the boom over the idler end with idler tumblers blocked (See *HC110 Operator's Manual* for blocking instructions). Erection "OVER-THE-SIDE" is with the boom 90° to the sideframes. Blocks, slings and other load carrying devices must be on the ground during erection.

| 59HI OFFSET TIP BOOM MAXIMUM BOOM & JIB SELF-ERECTION DATA | | | | |
|---|--------------------------|-------------------------|---|-------------------------|
| JIB | OVER-THE-END BLOCKED | | OVER-THE-SIDE | |
| | | | SIDEFRAMES FULLY-EXTENDED (WITH EXTENDERS IN PLACE) | |
| | BOOM LENGTH (FEET) | JIB LENGTH (FEET) | BOOM LENGTH (FEET) | JIB LENGTH (FEET) |
| 9HL | 230 | 0 | 210 | 0 |
| | 220 | 0 | 200 | 0 |
| | 210 | 40 | 190 | 40 |
| | 200 | 70 | 180 | 70 |

| LOAD HOISTING INFORMATION - 1.00" diameter EIPS wire rope | | | |
|---|-----------------------|----------------------------------|----------------|
| MAXIMUM LIFTING CAPACITY - LBS. | MINIMUM PARTS OF LINE | MAXIMUM HOISTING DISTANCE - FEET | |
| | | MAIN HOIST | AUX HOIST |
| 220,000 | 8 | 130 | NOT APPLICABLE |
| 206,800 | 7 | 148 | |
| 177,250 | 6 | 173 | |
| 147,700 | 5 | 208 | |
| 118,150 | 4 | 260 | |
| 88,600 | 3 | 346 | |
| 59,050 | 2 | 520 | |
| 29,500 | 1 | 1040 | |

| LOAD HOISTING INFORMATION - 7/8" diameter EIPS wire rope | | | |
|--|-----------------------|----------------------------------|-----------|
| MAXIMUM LIFTING CAPACITY - LBS. | MINIMUM PARTS OF LINE | MAXIMUM HOISTING DISTANCE - FEET | |
| | | MAIN HOIST | AUX HOIST |
| 181,900 | 8 | NOT APPLICABLE | 78 |
| 159,200 | 7 | | 89 |
| 136,450 | 6 | | 104 |
| 113,700 | 5 | | 125 |
| 90,950 | 4 | | 156 |
| 68,200 | 3 | | 208 |
| 45,450 | 2 | | 313 |
| 22,700 | 1 | | 626 |

| BOOM COMPOSITION CHART - 59HI OFFSET TIP | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|
| BOOM LENGTH (FEET) | BOOM SECTIONS | | | | |
| | 25' 59HI INNER | 10' 59H CENTER | 20' 59H CENTER | 40' 59H CENTER | 25' 59HI OUTER |
| 50 | 1 | 0 | 0 | 0 | 1 |
| 60 | 1 | 1 | 0 | 0 | 1 |
| 70 | 1 | 0 | 1 | 0 | 1 |
| 80 | 1 | 1 | 1 | 0 | 1 |
| 90 | 1 | 0 | 0 | 1 | 1 |
| 100 | 1 | 1 | 0 | 1 | 1 |
| 110 | 1 | 0 | 1 | 1 | 1 |
| 120 | 1 | 1 | 1 | 1 | 1 |
| 130 | 1 | 0 | 0 | 2 | 1 |
| 140 | 1 | 1 | 0 | 2 | 1 |
| 150 | 1 | 0 | 1 | 2 | 1 |
| 160 | 1 | 1 | 1 | 2 | 1 |
| 170 | 1 | 0 | 0 | 3 | 1 |
| 180 | 1 | 1 | 0 | 3 | 1 |
| 190 | 1 | 0 | 1 | 3 | 1 |
| 200 | 1 | 1 | 1 | 3 | 1 |
| 210 | 1 | 0 | 0 | 4 | 1 |
| 220 | 1 | 1 | 0 | 4 | 1 |
| 230 | 1 | 0 | 1 | 4 | 1 |