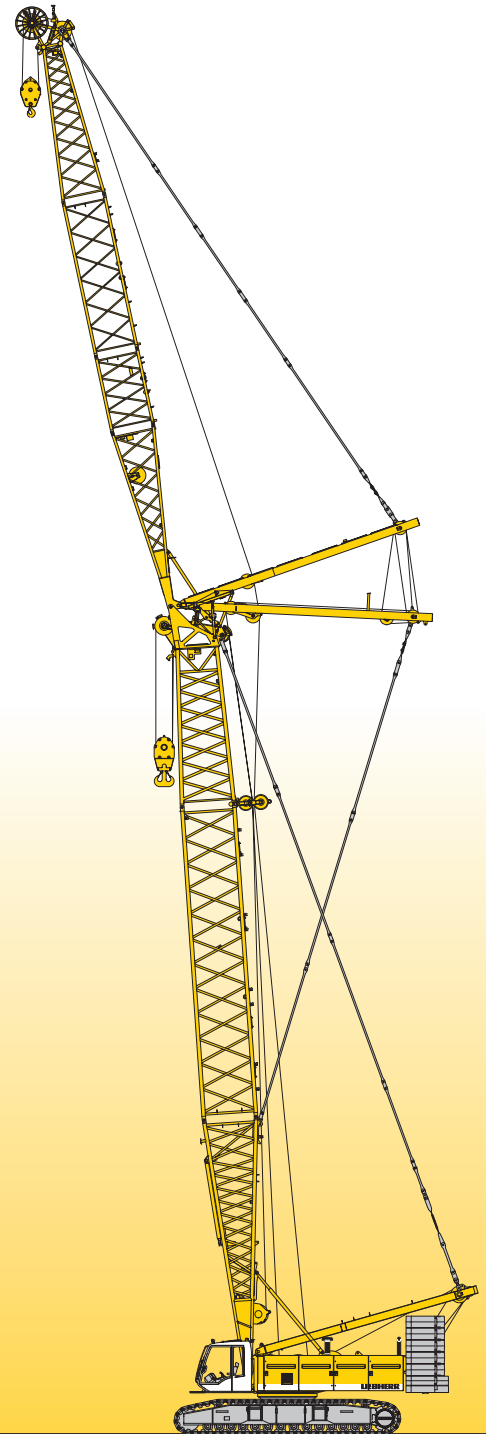


# Technical data Hydraulic lift crane

**LR 1200**  
Litronic®

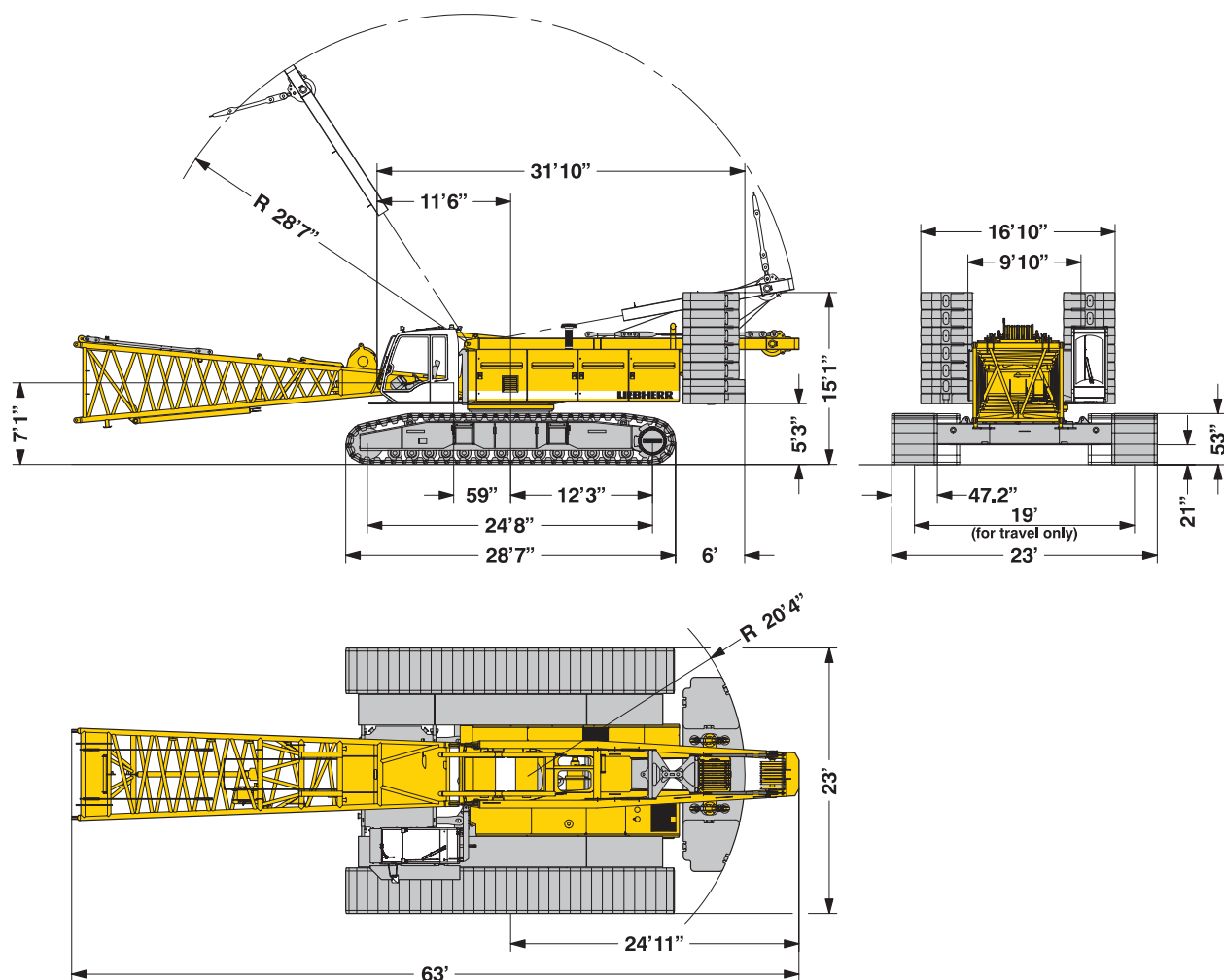
Complies with ANSI B 30.5



# LIEBHERR

# Dimensions

## Basic machine with undercarriage



## Operating weight

The operating weight includes the basic machine with crawlers, 2 main winches 26,500 lbs including wire ropes (853 ft and 1624 ft) and 66 ft main boom, consisting of A-frame, boom foot (33 ft), boom head (23 ft), boom extension (10 ft), 178,600 lbs basic counterweight, 79,400 lbs carbody counterweight and 551,100 lbs hook block.

Total weight \_\_\_\_\_ approx. 463,000 lbs

## Ground pressure

Ground bearing pressure \_\_\_\_\_ 16.5 PSI

## Equipment

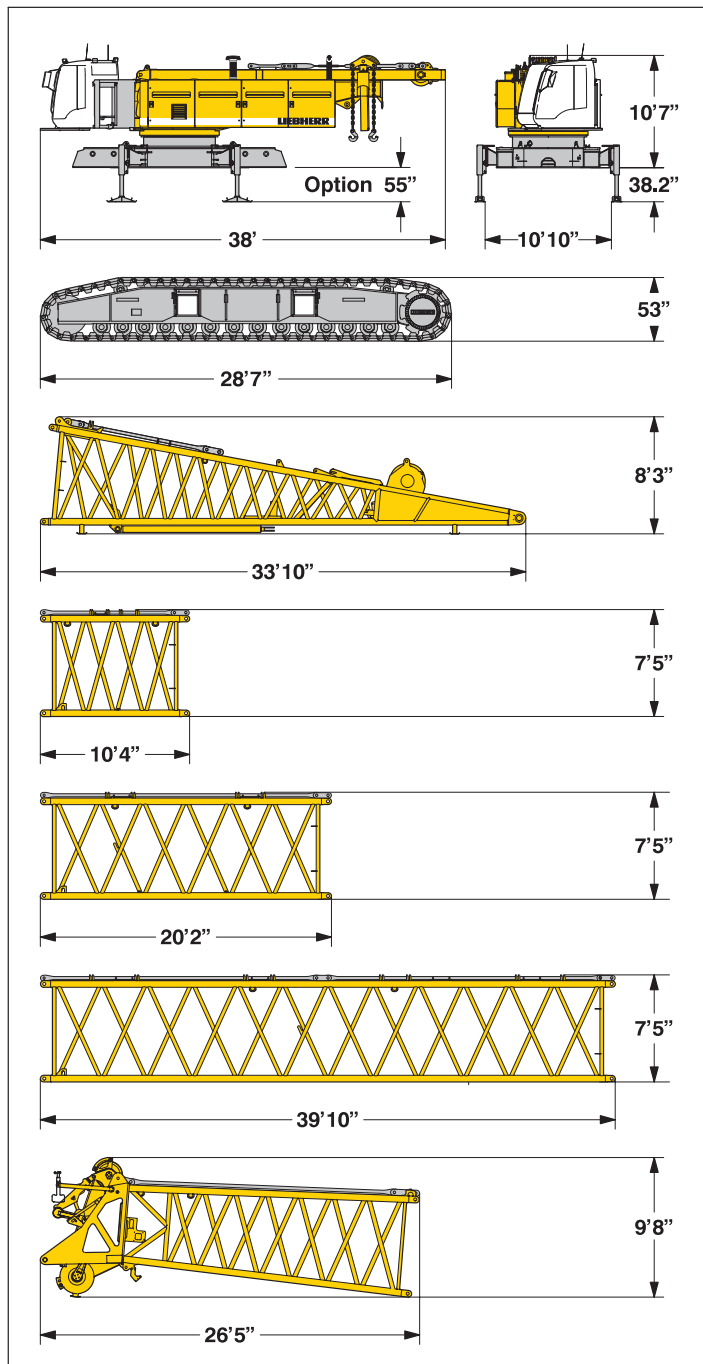
Main boom (No. 2320.xx) max. length \_\_\_\_\_ 292 ft  
 High reach (No. 2320.xx and 1916.xx) \_\_\_\_\_ 384 ft  
 Luffing jib (No. 1916.xx) max. length \_\_\_\_\_ 312 ft  
 Max. combination \_\_\_\_\_ boom 174 ft and luffing jib 312 ft  
 Fixed jib (No. 1008.xx) \_\_\_\_\_ 36 ft – 85 ft  
 Auxiliary jib 53,000 lbs lifting capacity (optional 79,100 lbs)

## Remarks

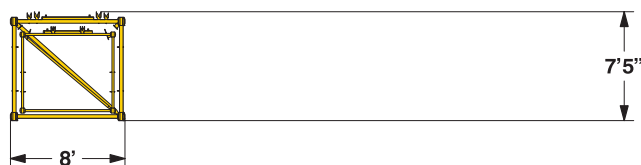
1. The lifting capacities stated are valid for lifting operation only (corresponds with crane classification according to F.E.M. 1.001, crane group A1)
2. Crane standing on firm, horizontal ground.
3. The weight of the lifting device (hoisting ropes, hook block, shackle etc.) must be deducted from the gross lifting capacity to obtain a net lifting value.
4. Additional equipment on boom (e.g. boom walkways, auxiliary jib) must be deducted to get the net lifting capacity.
5. For max. wind speed please refer to lift chart in operator's cab or manual.
6. Working radii are measured from centre of swing and under load.
7. The lifting capacities are valid for 360 degrees of swing.
8. Calculation of stability under load is based on DIN 15019 / part 2 / chart 1 and ISO 4305 Table 1 + 2, tipping angle 4°.
9. The structures are calculated according to F.E.M. 1.001 – 1998 (EN 13001-2 / 2004).
10. ANSI B 30.5

# Transport dimensions and weights

Basic machine and boom (No. 2320.xx)



## Transport option



\*) Including pendant straps

## Basic machine

with A-frame, 2x 26,500 lbs crane winches including wire ropes (total hoist ropes 247,700 ft), without crawlers, boom foot, basic counterweight and carbody counterweight

|               |        |
|---------------|--------|
| Width         | 10'    |
| Weight in lbs | 89,950 |

## Crawler

**2x**

|                  |        |
|------------------|--------|
| Flat track shoes | 47.2"  |
| Width            | 47.2"  |
| Weight in lbs    | 43,650 |

## Boom foot (No. 2320.25)

|                |        |
|----------------|--------|
| Width          | 8'     |
| Weight in lbs* | 11,700 |

## Boom section (No. 2320.23)

**10 ft**

|                |       |
|----------------|-------|
| Width          | 8'    |
| Weight in lbs* | 2,030 |

## Boom section (No. 2320.20)

**20 ft**

|                |       |
|----------------|-------|
| Width          | 8'    |
| Weight in lbs* | 2,830 |

## Boom section (No. 2320.20)

**40 ft**

|                |       |
|----------------|-------|
| Width          | 8'    |
| Weight in lbs* | 5,200 |

## Boom head (No. 2320.23)

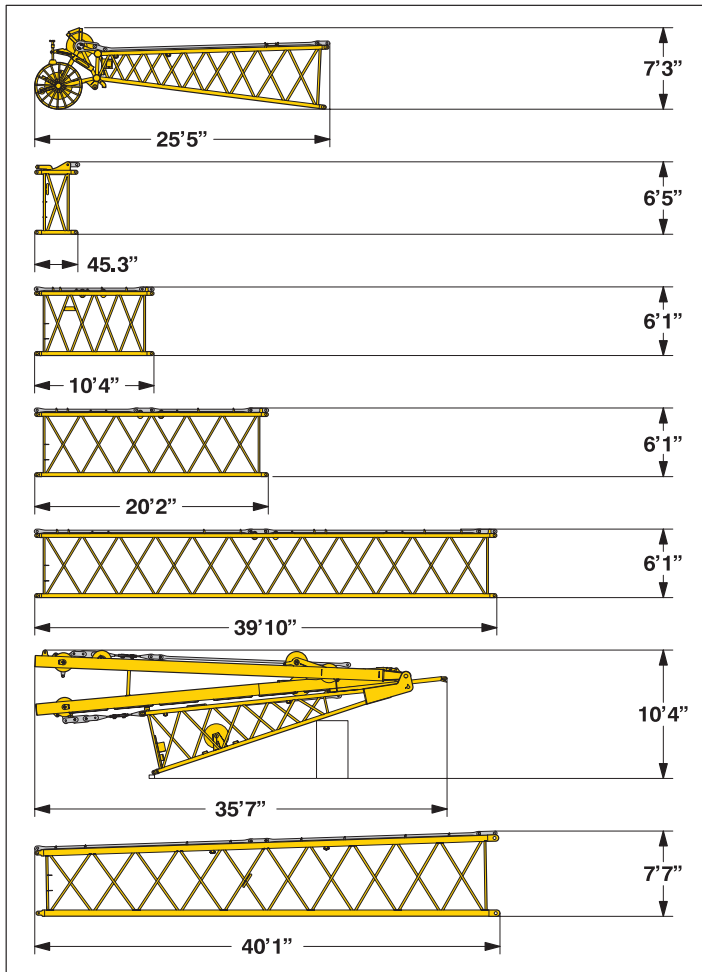
|                |       |
|----------------|-------|
| Width          | 8'    |
| Weight in lbs* | 9,500 |

## Boom transport option

|                      |           |           |           |
|----------------------|-----------|-----------|-----------|
| No. 2320.xx/1916.xxx | 40' / 40' | 20' / 20' | 10' / 10' |
| Length               | 40' 2"    | 20' 6"    | 10' 8"    |
| Weight in lbs*       | 7,960     | 4,350     | 3,240     |

# Transport dimensions and weights

## Luffing jib (No. 1916.xx)



### Luffing jib head (No. 1916.21)

|                |       |
|----------------|-------|
| Width          | 6'9"  |
| Weight in lbs* | 3,400 |

### L - boom jib section (No. 1916.22) 3 ft

|                |       |
|----------------|-------|
| Width          | 6'9"  |
| Weight in lbs* | 1,000 |

### Luffing jib section (No. 1916.18) 10 ft

|                |       |
|----------------|-------|
| Width          | 6'9"  |
| Weight in lbs* | 1,210 |

### Luffing jib section (No. 1916.18) 20 ft

|                |       |
|----------------|-------|
| Width          | 6'9"  |
| Weight in lbs* | 1,520 |

### Luffing jib section (No. 1916.18) 40 ft

|                |       |
|----------------|-------|
| Width          | 6'9"  |
| Weight in lbs* | 2,760 |

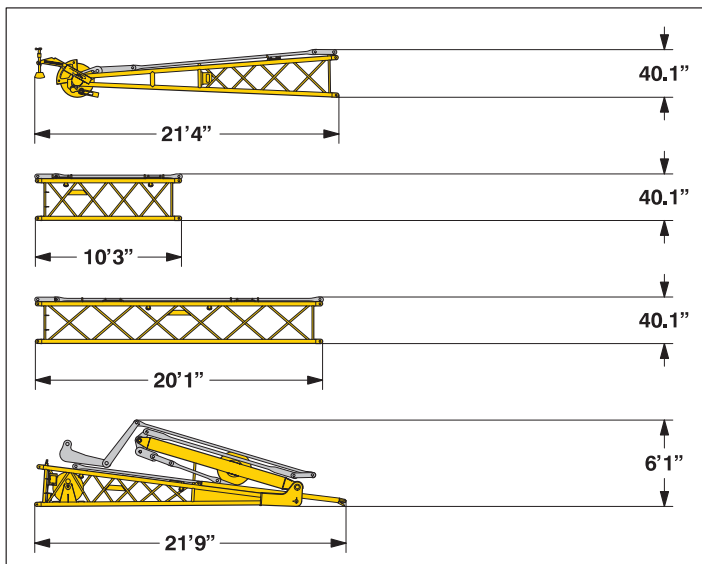
### Luffing jib foot with A-frames (No. 1916.22)

|                |        |
|----------------|--------|
| Width          | 6'9"   |
| Weight in lbs* | 14,110 |

### L - boom section tapered (No. 2320/1916.20) 40 ft

|                |       |
|----------------|-------|
| Width          | 7'11" |
| Weight in lbs* | 5,810 |

## Fixed jib (No. 1008.xx)



### Fixed jib head (No. 1008.20)

|                |       |
|----------------|-------|
| Width          | 45"   |
| Weight in lbs* | 2,060 |

### Fixed jib section (No. 1008.17) 10 ft

|                |       |
|----------------|-------|
| Width          | 43.3" |
| Weight in lbs* | 660   |

### Fixed jib section (No. 1008.17) 20 ft

|                |       |
|----------------|-------|
| Width          | 43.3" |
| Weight in lbs* | 1,010 |

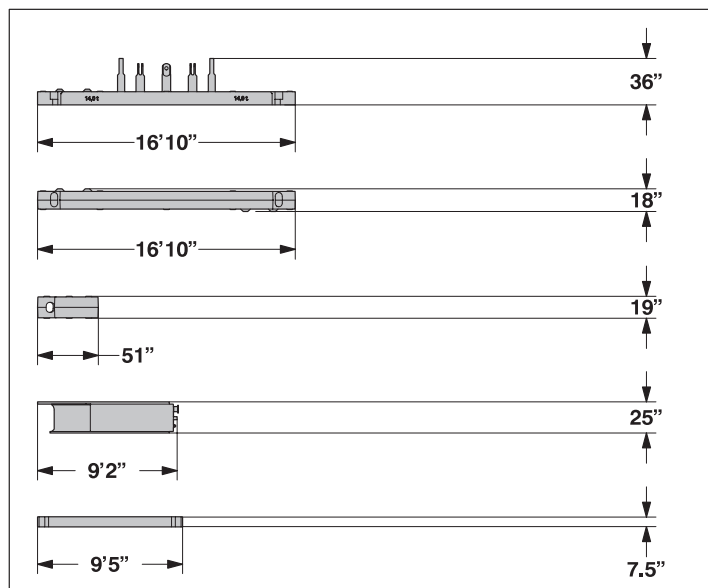
### Fixed jib foot with A-frame (No. 1008.20)

|                |       |
|----------------|-------|
| Width          | 59"   |
| Weight in lbs* | 4,300 |

\*) Including pendant straps

# Transport dimensions and weights

## Counterweights



### Counterweight 1x

Width 5'5"  
Weight in lbs 31,970

### Counterweight 1x

Width 5'5"  
Weight in lbs 35,940

### Counterweight 10x

Width 54"  
Weight in lbs 11,250

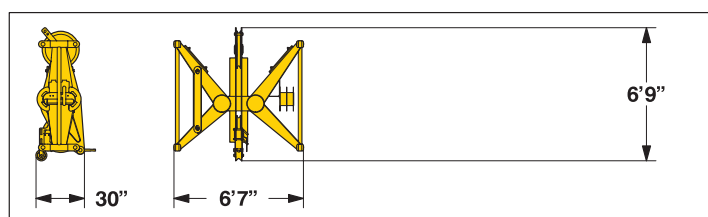
### Carbody counterweight 2x

Width 11'  
Weight in lbs 21,600

### Carbody counterweight 2x

Width 6'9"  
Weight in lbs 18,300

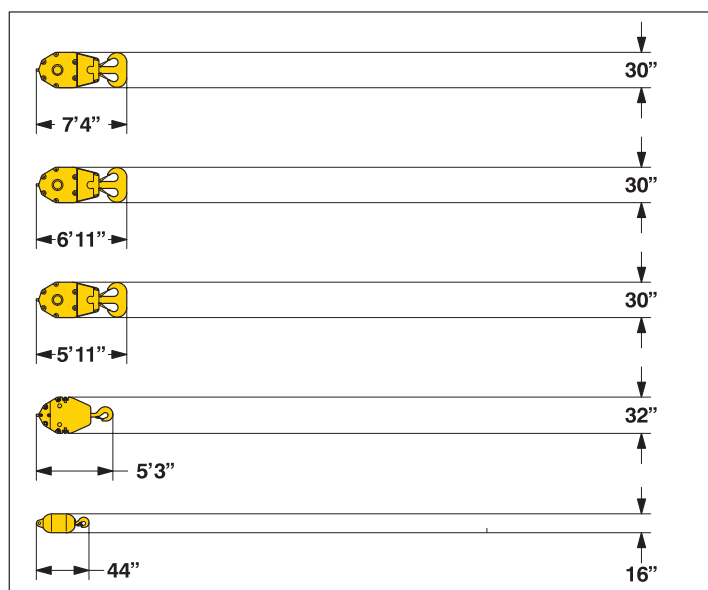
## Mid fall (option)



### Mid fall section (No. 1916.32) 20 inch

Width 30"  
Weight in lbs 1,600

## Hooks



### 551,200 lbs hook block - 11 sheaves

Width 41" — 49"  
Weight in lbs 5,070 — 7,050

### 353,000 lbs hook block - 7 sheaves

Width 25" — 30" — 35"  
Weight in lbs 3,300 — 4,960 — 6,610

### 220,500 lbs hook block - 5 sheaves

Width 21" — 25" — 30"  
Weight in lbs 2,900 — 4,000 — 5,070

### 88,200 lbs hook block - 1 sheave

Width 12" — 16" — 20"  
Weight in lbs 1,500 — 2,450 — 3,300

### 27,600 lbs single hook

Width 16"  
Weight in lbs 1,300

# Technical description



## Engine

Power rating according to ISO 9249, 322 hp at 2000 rpm  
Engine type — Liebherr D 926 TI-E  
Fuel tank — 211 gal capacity with continuous level indicator and reserve warning  
Engine complies with NRMM exhaust certification EPA / CARB Tier 2 and 97/68 EC Stage II



## Hydraulic system

A double axial displacement pump supplies the open loop hydraulic system, allowing all functions to be operated simultaneously. To minimize peak pressure an automatic working pressure cut-off is integrated in the pump. All filters are electronically monitored.

The use of synthetic environmentally friendly (biodegradable) oils is possible.  
Working pressure — max. 5076 PSI  
Oil tank capacity — 172 gal



## Luffing jib winch

Line pull — max. 23,150 lbs  
Rope diameter — 20 mm  
Jib luffing — 51 sec. from 15° to 78°



## Boom winch

Line pull — max. 47,850 lbs  
Rope diameter — 24 mm  
Boom up — 130 sec. from 15° to 86°



## Swing

Consists of rollerbearing with external teeth, swing drive with fixed axial piston hydraulic motor, spring loaded and hydraulically released multi-disc holding brake, planetary gearbox and pinion.  
Free swing with hydraulic moment control reduces wear to a minimum. Alternatively the swing control can be changed to simulate closed loop speed control. Then a multi-disc holding brake acts automatically at zero swing motion.  
Swing speed from 0 – 3 rpm continuously variable.



## Main winches

Line pull (1<sup>st</sup> layer) — max. 38,600 lbs  
Line pull (7<sup>th</sup> layer) — 26,500 lbs  
Rope diameter — 26 mm  
Drum diameter — 23 inch  
Rope speed ft/min — 0 – 446  
Rope capacity in 7 layers — 1600 ft  
The winches are outstanding in their compact design and easy assembly. Propulsion is via a planetary gearbox in an oil bath.  
Load support by the hydraulic system; additional safety factor provided by a spring loaded, multi-disc holding brake.  
The main winches use pressure controlled, variable flow hydraulic motors. This system features sensors that automatically adjust oil flow to provide max. winch speed depending on load.  
Option – winch with freefall system:  
Clutch and braking functions on the freefall system are provided by a compact designed, low wear and maintenance free multi-disc brake.



## Crawlers

Propulsion through axial piston motor, hydraulically released spring loaded multi-disc brake, crawler tracks, hydraulic chain tensioning device.  
Flat track shoes — 47.2 inch  
Drive speed — 0 – 1 mph



## Control

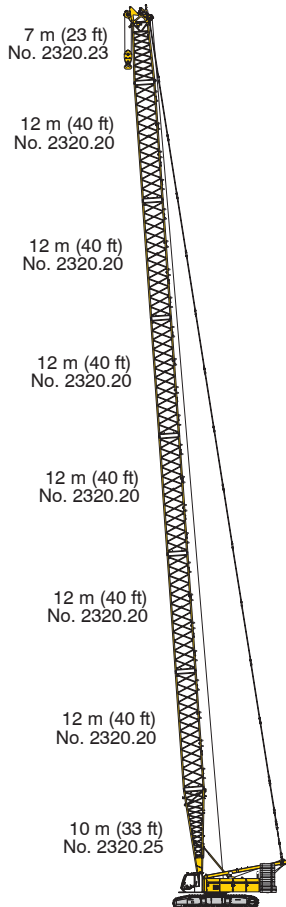
The control system – developed and manufactured by Liebherr – is designed to withstand extreme environmental conditions such as temperature, vibration and electromagnetic interference and to meet all requirements that are needed in heavy duty crane operation.  
Complete machine operating data are shown on a high resolution display. Standard operational information is displayed by means of graphical symbols, fault indications are displayed in plain text (more than 10 languages available).  
The cranes are equipped with proportional control for all main movements, which can be carried out simultaneously.  
A backup control system, that allows limited use of the crane is standard. This feature increases the safety and availability of the crane even further. The crane is operated with 2 multi-directional joysticks, the right for winch I and boom, the left for winch II and swing control.  
Option:  
Bi-directional double T-levers for simultaneous boom and luffing jib operation.  
The crawlers are activated by the two central foot pedals. Additionally, hand levers can be attached to the pedals.



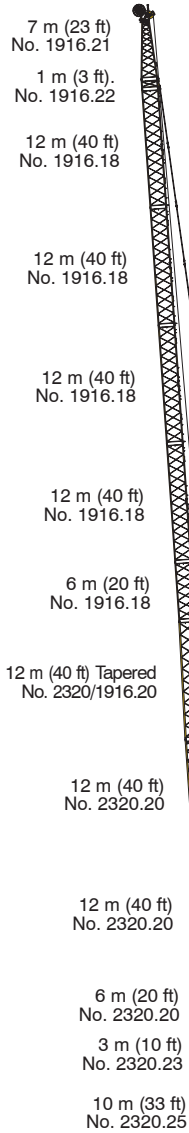
## Noise emission

Noise emissions correspond with 2000/14/EC directive on noise emission by equipment used outdoors.

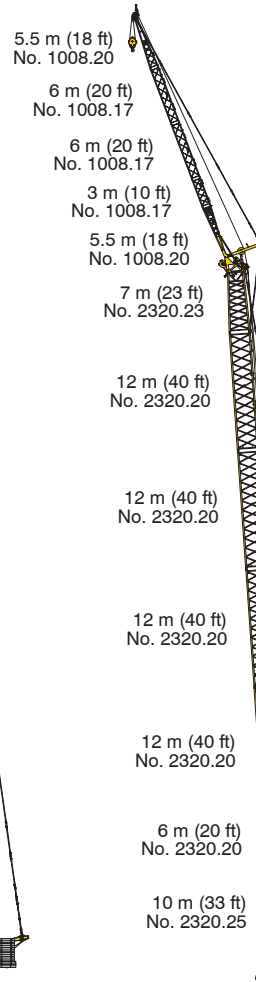
# Boom combinations



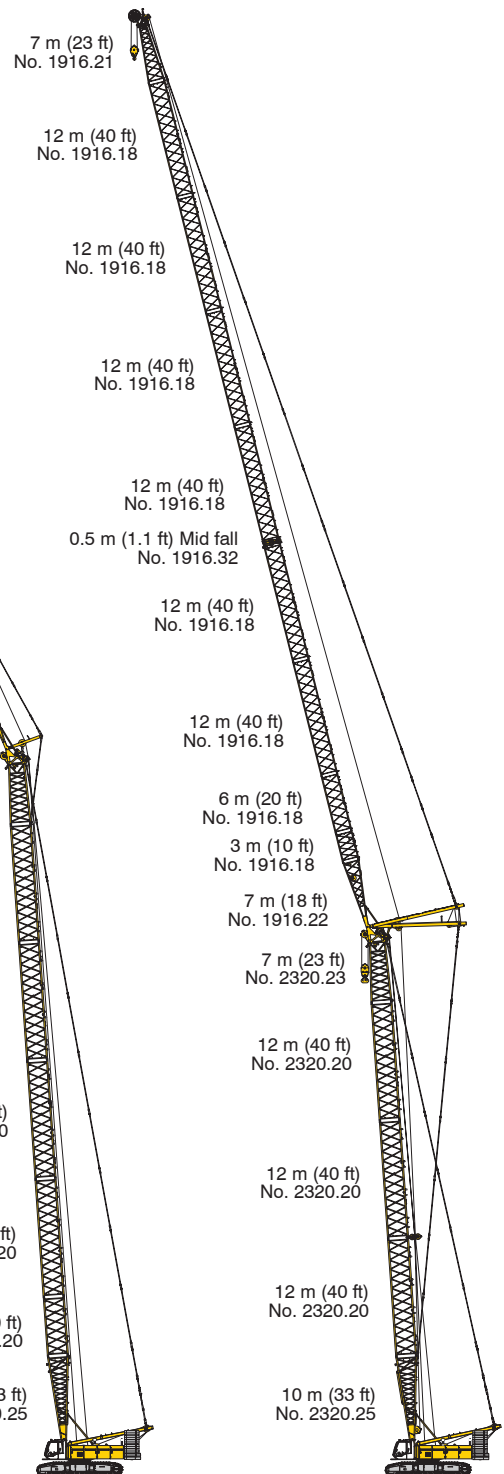
Main boom No. 2320.xx — 292 ft



Max. combination — 384 ft  
Main boom No. 2320.xx — 141 ft  
Tapered No. 2320/1916.xx — 40 ft  
Luffing jib No. 1916.xx — 203 ft



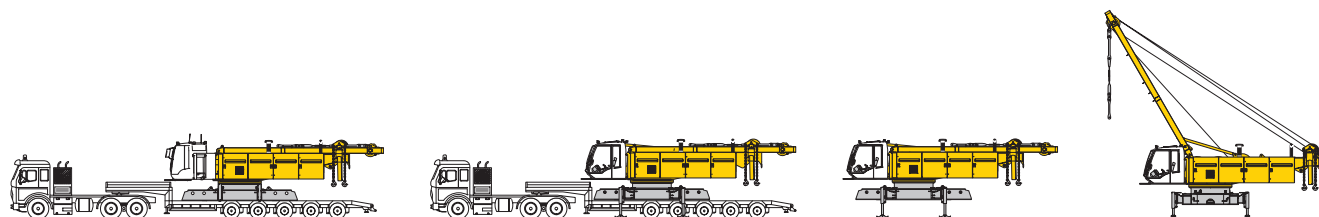
Max. combination — 318 ft  
Main boom No. 2320.xx — 233 ft  
Fixed jib No. 1008.xx — 85 ft



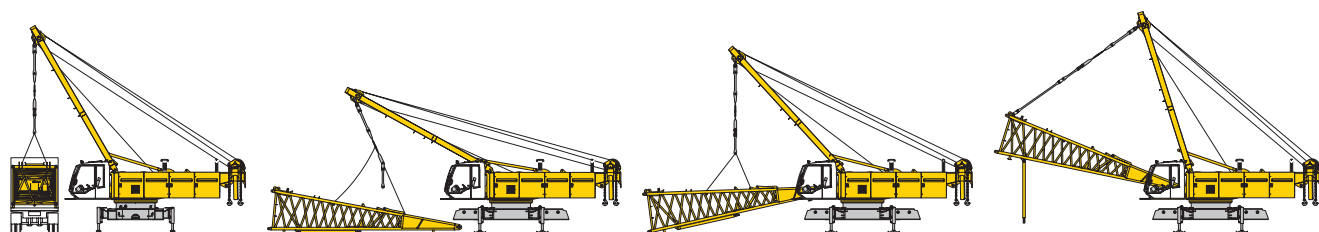
Max. combination — 486 ft  
Main boom No. 2320.xx — 174 ft  
Luffing jib No. 1916.xx — 312 ft  
Main boom No. 2320.xx — 184 ft  
Luffing jib No. 1916.xx — 262 ft



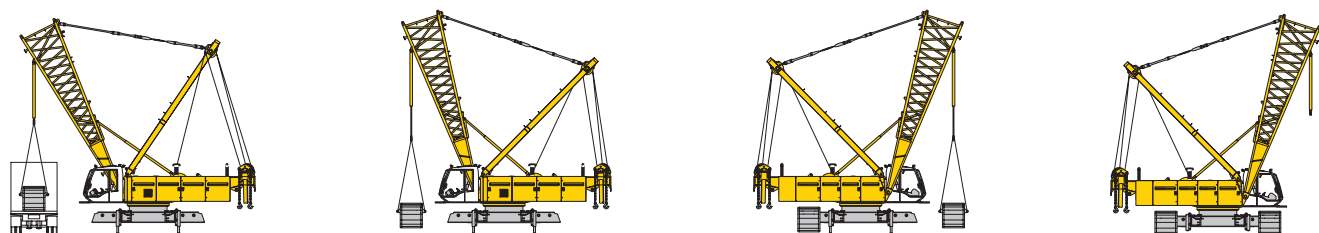
# Self assembly system



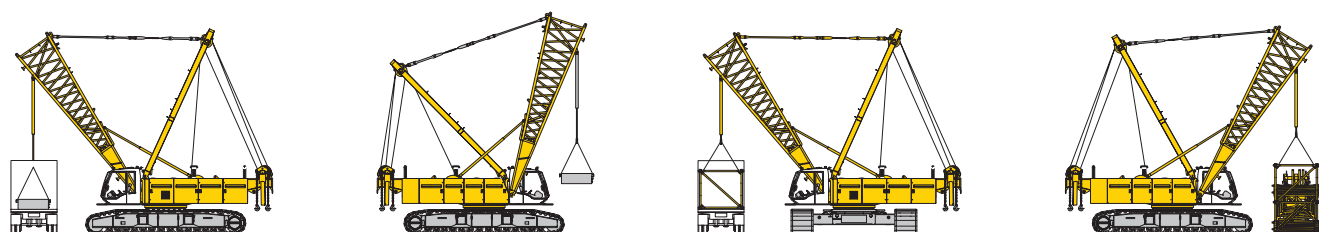
Unloading of basic machine



Unloading and assembly of boom foot

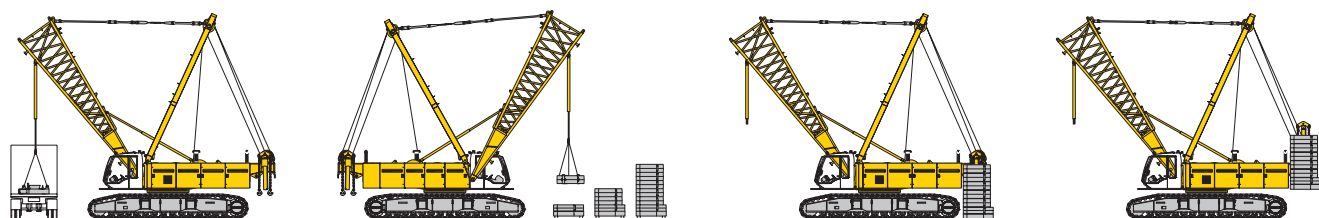


Unloading and assembly of crawlers



Unloading and assembly of carbody counterweight

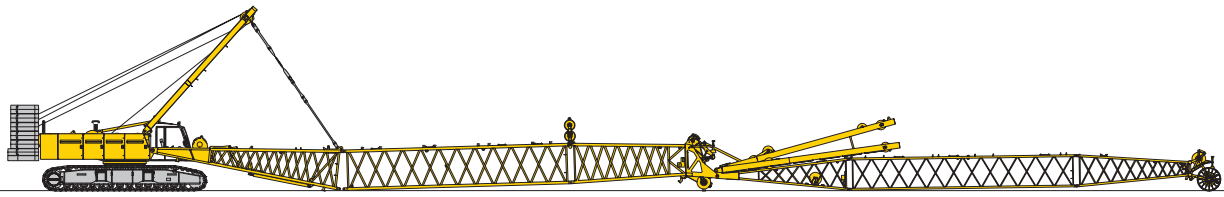
Unloading and assembly of boom



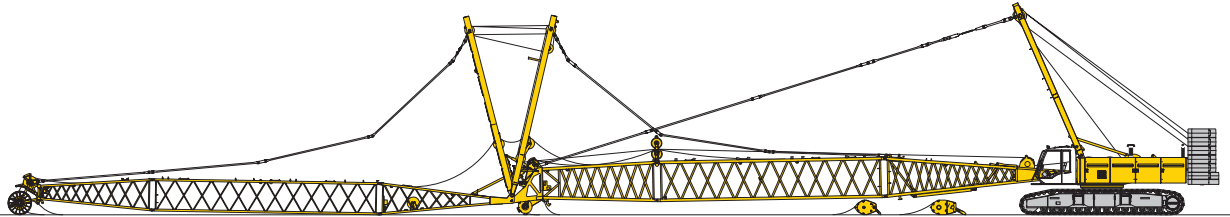
Unloading and assembly of counterweight



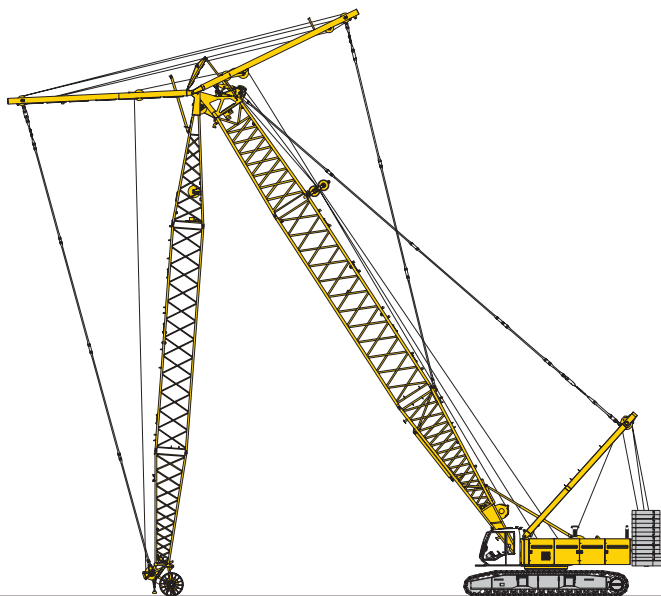
# Erecting of main boom to working position



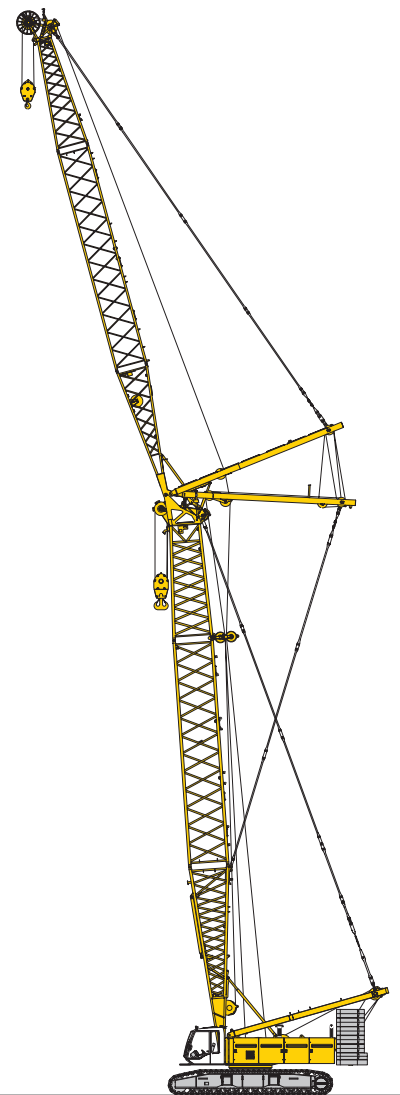
Assembly of boom



Reeving of hoist and luffing jib ropes



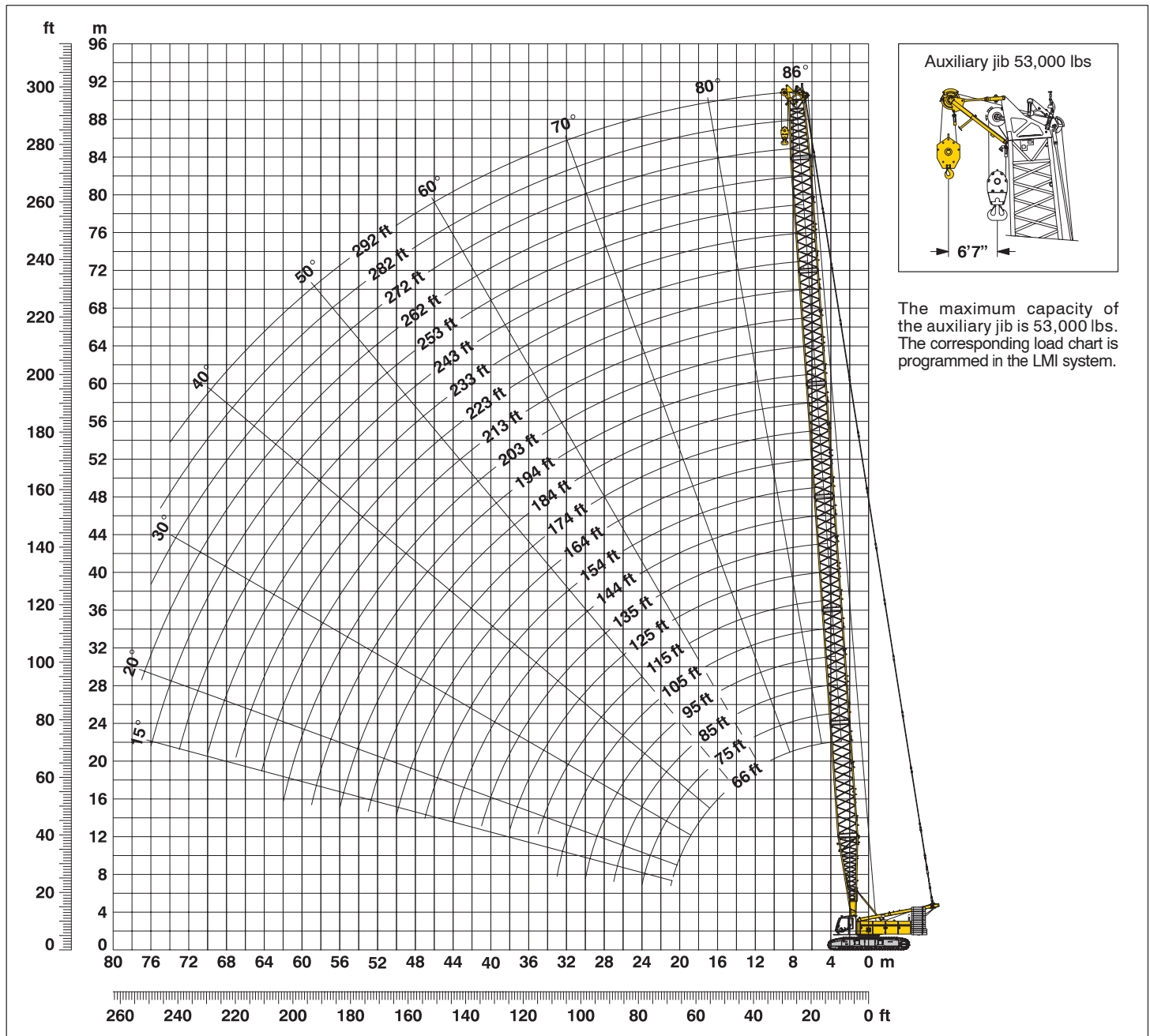
Erecting of main boom and luffing jib



Working position

# Working range - main boom (No. 2320.xx) 86° - 15°

## 178,600 lbs counterweight and 79,400 lbs carbody counterweight



### Main boom configuration (Table1 – No. 2320.xx)

Configuration for boom lengths (66 ft – 292 ft)

|                     | Length | Amount of boom extensions |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|---------------------|--------|---------------------------|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Boom foot           | 33 ft  | 1                         | 1  | 1  | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |     |
| Boom insert         | 10 ft* | 1                         |    | 1  |    | 1   |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |     |
| Boom insert         | 20 ft* |                           | 1  | 1  |    |     | 1   | 1   |     |     | 1   | 1   |     |     | 1   | 1   |     |     | 1   | 1   |     |     | 1   | 1   |     |
| Boom insert         | 40 ft* |                           |    |    | 1  | 1   | 1   | 1   | 2   | 2   | 2   | 2   | 3   | 3   | 3   | 3   | 4   | 4   | 4   | 4   | 5   | 5   | 5   | 5   | 6   |
| Boom head           | 23 ft  | 1                         | 1  | 1  | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |     |
| Boom length in (ft) |        | 66                        | 75 | 85 | 95 | 105 | 115 | 125 | 135 | 144 | 154 | 164 | 174 | 184 | 194 | 203 | 213 | 223 | 233 | 243 | 253 | 262 | 272 | 282 | 292 |

\*Actual lengths of boom sections are metric (e.g. 3 m, 6 m, 12 m). The figures shown above are approximate conversions to feet.

# Lift chart for main boom (No. 2320.xx)

## 178,600 lbs counterweight and 79,400 lbs carbody counterweight

Capacities in 1000 lbs for boom lengths (66 ft – 292 ft) – with 26,500 lbs winches

| Radius (ft) | Boom length in (ft) |       |       |       |       |       |       |       |       |       |      |      |      | Radius (ft) |
|-------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|-------------|
|             | 66                  | 85    | 105   | 125   | 144   | 164   | 184   | 203   | 223   | 243   | 262  | 282  | 292  |             |
| 20.3        | lbs                 | lbs   | lbs   | lbs   | lbs   | lbs   | lbs   | lbs   | lbs   | lbs   | lbs  | lbs  | lbs  | 20.3        |
| 25          |                     |       |       | 270.3 | 235.8 | 199.0 | 181.2 | 150.2 | 121.9 |       |      |      |      | 25          |
| 30          | 262.9               | 263.4 | 264.0 | 245.1 | 214.6 | 187.9 | 173.8 | 146.0 | 119.9 | 105.1 | 88.0 | 73.0 | 65.1 | 30          |
| 40          | 176.5               | 176.6 | 176.6 | 176.3 | 172.0 | 164.9 | 165.6 | 138.4 | 113.2 | 101.4 | 86.1 | 71.4 | 63.7 | 40          |
| 50          | 129.7               | 129.8 | 129.7 | 129.2 | 129.1 | 128.6 | 125.8 | 126.5 | 107.4 | 97.6  | 82.9 | 68.8 | 61.7 | 50          |
| 60          | 101.4               | 101.6 | 101.6 | 101.2 | 100.8 | 100.3 | 99.8  | 99.2  | 98.7  | 92.9  | 80.5 | 66.5 | 59.7 | 60          |
| 65          | 91.0                | 91.3  | 91.3  | 90.9  | 90.5  | 90.0  | 89.5  | 88.9  | 88.4  | 87.7  | 77.2 | 65.3 | 58.9 | 65          |
| 80          |                     | 69.2  | 69.3  | 68.8  | 68.5  | 67.9  | 67.4  | 66.7  | 66.2  | 65.5  | 64.9 | 61.0 | 54.7 | 80          |
| 85          |                     | 63.6  | 63.9  | 63.4  | 63.1  | 62.5  | 62.0  | 61.3  | 60.7  | 60.1  | 59.4 | 58.8 | 53.6 | 85          |
| 100         |                     |       | 51.1  | 50.8  | 50.4  | 49.8  | 49.3  | 48.6  | 48.0  | 47.3  | 46.7 | 46.0 | 45.7 | 100         |
| 105         |                     |       | 26.6  | 47.5  | 47.1  | 46.5  | 46.0  | 45.3  | 44.7  | 44.0  | 43.4 | 42.6 | 42.4 | 105         |
| 110         |                     |       |       | 44.4  | 44.1  | 43.5  | 43.0  | 42.3  | 41.7  | 41.0  | 40.3 | 39.6 | 39.3 | 110         |
| 120         |                     |       |       | 39.2  | 38.9  | 38.3  | 37.8  | 37.1  | 36.5  | 35.8  | 35.1 | 34.4 | 34.1 | 120         |
| 140         |                     |       |       |       | 30.8  | 30.3  | 29.8  | 29.1  | 28.5  | 27.8  | 27.1 | 26.4 | 26.2 | 140         |
| 160         |                     |       |       |       |       | 24.4  | 24.0  | 23.3  | 22.7  | 22.0  | 21.3 | 20.6 | 20.3 | 160         |
| 180         |                     |       |       |       |       |       | 19.3  | 18.7  | 18.1  | 17.4  | 16.8 | 16.0 | 15.7 | 180         |
| 200         |                     |       |       |       |       |       |       | 15.0  | 14.5  | 13.8  | 13.2 | 12.4 | 12.1 | 200         |
| 215         |                     |       |       |       |       |       |       |       | 12.2  | 11.6  | 10.9 | 10.2 | 9.9  | 215         |
| 235         |                     |       |       |       |       |       |       |       |       | 8.9   | 8.4  | 7.6  | 7.3  | 235         |
| 255         |                     |       |       |       |       |       |       |       |       |       | 6.2  | 5.5  | 5.2  | 255         |
| 275         |                     |       |       |       |       |       |       |       |       |       |      | 3.6  | 3.3  | 275         |
| 285         |                     |       |       |       |       |       |       |       |       |       |      |      | 2.5  | 285         |

# Lift chart for main boom (No. 2320.xx)

## 156,100 lbs counterweight and 79,400 lbs carbody counterweight

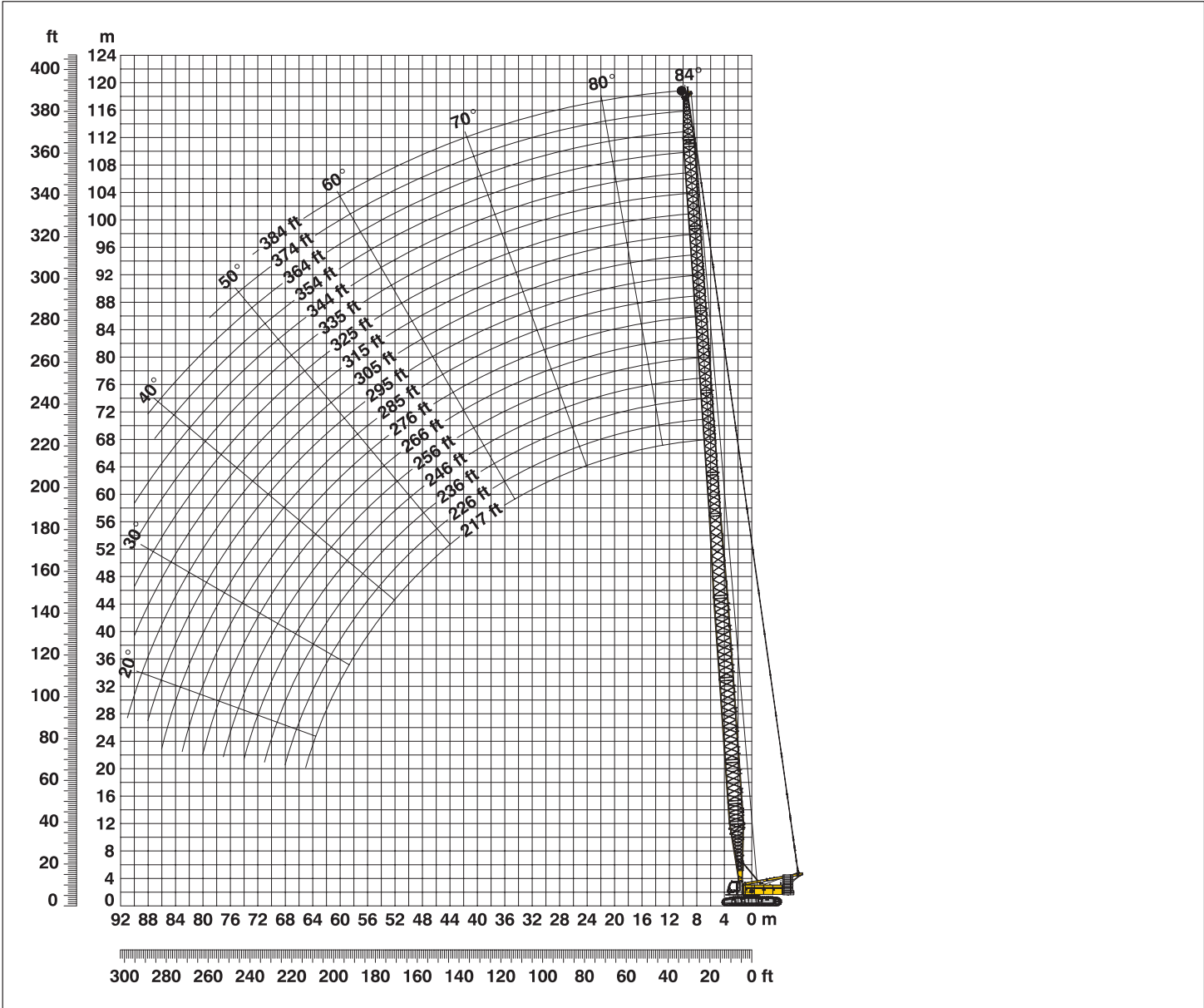
Capacities in 1000 lbs for boom lengths (66 ft – 292 ft) – with 26,500 lbs winches

| Radius (ft) | Boom length in (ft) |       |       |       |       |       |       |       |       |       |      |      |      | Radius (ft) |
|-------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|-------------|
|             | 66                  | 85    | 105   | 125   | 144   | 164   | 184   | 203   | 223   | 243   | 262  | 282  | 292  |             |
| 13.4        | 484.9               |       |       |       |       |       |       |       |       |       |      |      |      | 13.4        |
| 15          | 484.9               | 367.7 |       |       |       |       |       |       |       |       |      |      |      | 15          |
| 20          | 410.1               | 355.9 | 341.1 | 303.0 | 254.7 | 209.7 |       |       |       |       |      |      |      | 20          |
| 25          | 318.5               | 333.1 | 306.8 | 270.3 | 235.8 | 199.0 | 181.2 | 150.2 | 121.9 |       |      |      |      | 25          |
| 30          | 247.0               | 247.2 | 245.5 | 245.1 | 214.6 | 187.9 | 173.8 | 146.0 | 119.9 | 105.1 | 88.0 | 73.0 | 65.1 | 30          |
| 40          | 161.2               | 161.3 | 161.4 | 161.1 | 160.9 | 160.5 | 160.2 | 138.4 | 113.2 | 101.4 | 86.1 | 71.4 | 63.7 | 40          |
| 50          | 118.2               | 118.3 | 118.3 | 117.9 | 117.6 | 117.1 | 116.7 | 116.2 | 107.4 | 97.6  | 82.9 | 68.8 | 61.7 | 50          |
| 60          | 92.2                | 92.4  | 92.4  | 92.0  | 91.7  | 91.1  | 90.7  | 90.1  | 89.6  | 89.0  | 80.5 | 66.5 | 59.7 | 60          |
| 65          | 82.7                | 83.0  | 83.0  | 82.6  | 82.2  | 81.6  | 81.2  | 80.6  | 80.0  | 79.4  | 77.2 | 65.3 | 58.9 | 65          |
| 80          |                     | 62.6  | 62.7  | 62.3  | 61.9  | 61.3  | 60.8  | 60.2  | 59.6  | 59.0  | 58.4 | 57.4 | 54.7 | 80          |
| 85          |                     | 57.5  | 57.8  | 57.3  | 57.0  | 56.4  | 55.9  | 55.2  | 54.6  | 54.0  | 53.3 | 52.7 | 51.2 | 85          |
| 100         |                     |       | 46.0  | 45.7  | 45.4  | 44.8  | 44.2  | 43.6  | 43.0  | 42.3  | 41.6 | 40.9 | 40.6 | 100         |
| 105         |                     |       | 26.6  | 42.6  | 42.3  | 41.7  | 41.2  | 40.5  | 39.9  | 39.2  | 38.5 | 37.8 | 37.6 | 105         |
| 120         |                     |       |       | 35.0  | 34.7  | 34.2  | 33.6  | 32.9  | 32.3  | 31.6  | 31.0 | 30.2 | 30.0 | 120         |
| 140         |                     |       |       |       | 27.3  | 26.8  | 26.4  | 25.7  | 25.1  | 24.4  | 23.7 | 23.0 | 22.7 | 140         |
| 160         |                     |       |       |       |       | 21.3  | 20.9  | 20.2  | 19.6  | 18.9  | 18.3 | 17.5 | 17.2 | 160         |
| 180         |                     |       |       |       |       |       | 16.6  | 16.0  | 15.5  | 14.7  | 14.1 | 13.3 | 13.0 | 180         |
| 200         |                     |       |       |       |       |       |       | 12.6  | 12.1  | 11.4  | 10.8 | 10.0 | 9.7  | 200         |
| 215         |                     |       |       |       |       |       |       |       | 10.0  | 9.3   | 8.7  | 7.9  | 7.7  | 215         |
| 235         |                     |       |       |       |       |       |       |       |       | 6.9   | 6.3  | 5.6  | 5.3  | 235         |
| 255         |                     |       |       |       |       |       |       |       |       |       | 4.3  | 3.6  | 3.3  | 255         |
| 270         |                     |       |       |       |       |       |       |       |       |       |      | 2.3  | 2.0  | 270         |

Above lift chart is for reference only. For actual lift duty please refer to lift chart in operator's cab or manual.

# L – boom high reach (No.2320 / 1916.xx) 217 ft – 384 ft

Working range 84° - 15°



## L – boom configuration with 141 ft main boom (No. 2320.xx / No. 1916.xx)

| Configuration for L – boom lengths (217 ft – 384 ft) |        |                                           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|------------------------------------------------------|--------|-------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                                      | Length | Amount of boom and luffing jib extensions |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Boom foot                                            | 33 ft  | 1                                         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| Boom insert                                          | 10 ft* | 1                                         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| Boom insert                                          | 20 ft* | 1                                         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| Boom insert                                          | 40 ft* | 2                                         | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
| Tapered                                              | 40 ft* | 1                                         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| Luffing insert                                       | 10 ft* | 1                                         |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |     |
| Luffing insert                                       | 20 ft* |                                           | 1   | 1   |     |     | 1   | 1   |     |     | 1   | 1   |     |     | 1   | 1   |     |     | 1   |
| Luffing insert                                       | 40 ft* |                                           |     |     | 1   | 1   | 1   | 1   | 2   | 2   | 2   | 2   | 3   | 3   | 3   | 3   | 4   | 4   | 4   |
| Luffing jib head                                     | 26 ft* | 1                                         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| Max. L – boom length (ft)                            |        | 217                                       | 226 | 236 | 246 | 256 | 266 | 276 | 285 | 295 | 305 | 315 | 325 | 335 | 344 | 354 | 364 | 374 | 384 |

\*Actual lengths of boom sections are metric (e.g. 3 m, 6 m, 8 m, 10 m, 12 m). The figures shown above are approximate conversions to feet.

# Lift chart for L – boom (No. 2320 /1916.xx)

## Main boom length 141 ft

Capacities in 1000 lbs  
178,600 lbs counterweight and 79,400 lbs carbody counterweight

|             | Boom length in (ft) |      |      |      |      |      |
|-------------|---------------------|------|------|------|------|------|
|             | 217                 | 246  | 295  | 325  | 354  | 384  |
| Radius (ft) | lbs                 | lbs  | lbs  | lbs  | lbs  | lbs  |
| 29.3        | 129.7               |      |      |      |      |      |
| 30          | 129.6               |      |      |      |      |      |
| 35          | 128.9               | 92.3 |      |      |      |      |
| 40          | 124.2               | 89.6 | 58.5 |      |      |      |
| 45          | 117.9               | 86.8 | 56.5 | 42.5 | 33.4 |      |
| 50          | 105.7               | 84.4 | 53.9 | 40.9 | 32.2 | 22.5 |
| 60          | 88.4                | 79.9 | 48.9 | 37.9 | 29.7 | 21.2 |
| 80          | 65.2                | 61.0 | 41.6 | 32.4 | 24.3 | 18.7 |
| 100         | 49.0                | 47.5 | 36.2 | 28.0 | 21.5 | 16.4 |
| 120         | 40.5                | 39.2 | 32.0 | 24.0 | 19.2 | 14.6 |
| 140         | 32.6                | 32.4 | 28.3 | 21.5 | 17.2 | 12.9 |
| 160         | 26.7                | 26.6 | 25.3 | 19.3 | 15.4 | 11.7 |
| 170         | 24.4                | 24.3 | 23.4 | 18.5 | 14.6 | 11.0 |
| 180         | 22.3                | 22.2 | 21.3 | 17.2 | 14.0 | 10.4 |
| 190         | 20.4                | 20.3 | 19.4 | 16.1 | 13.3 | 9.9  |
| 200         | 18.7                | 18.6 | 17.7 | 15.1 | 12.4 | 9.5  |
| 210         | 17.1                | 17.1 | 16.2 | 14.4 | 11.6 | 8.8  |
| 220         |                     | 15.7 | 14.8 | 13.5 | 10.9 | 8.2  |
| 230         |                     | 14.4 | 13.6 | 12.7 | 10.4 | 7.6  |
| 240         |                     | 13.2 | 12.4 | 12.0 | 9.7  | 7.2  |
| 250         |                     |      | 11.4 | 11.0 | 9.0  | 6.7  |
| 260         |                     |      | 10.4 | 10.0 | 8.5  | 6.0  |
| 270         |                     |      | 9.5  | 9.1  | 8.0  | 5.4  |
| 280         |                     |      | 8.6  | 8.3  | 7.2  | 4.9  |
| 285         |                     |      | 8.2  | 7.9  | 6.7  | 4.7  |
| 290         |                     |      |      | 7.5  | 6.2  | 4.5  |
| 300         |                     |      |      | 6.6  | 5.2  | 3.9  |
| 310         |                     |      |      | 5.7  | 4.3  | 3.2  |
| 315         |                     |      |      | 5.3  | 3.9  | 2.8  |
| 320         |                     |      |      |      | 3.5  | 2.5  |
| 330         |                     |      |      |      | 2.7  |      |
| 335         |                     |      |      |      | 2.3  |      |

## Main boom length 180 ft

Capacities in 1000 lbs  
178,600 lbs counterweight and 79,400 lbs carbody counterweight

|             | Boom length in (ft) |      |      |      |      |      |
|-------------|---------------------|------|------|------|------|------|
|             | 256                 | 295  | 315  | 335  | 354  | 374  |
| Radius (ft) | lbs                 | lbs  | lbs  | lbs  | lbs  | lbs  |
| 33.5        | 96.0                |      |      |      |      |      |
| 35          | 95.2                |      |      |      |      |      |
| 40          | 92.9                | 66.5 | 57.5 |      |      |      |
| 45          | 89.8                | 64.8 | 56.9 | 46.4 | 39.4 |      |
| 50          | 87.7                | 62.8 | 55.5 | 45.3 | 38.2 | 32.0 |
| 60          | 82.6                | 59.7 | 51.4 | 41.9 | 35.5 | 29.8 |
| 80          | 63.7                | 53.6 | 45.4 | 36.5 | 30.9 | 24.7 |
| 100         | 47.4                | 47.2 | 40.6 | 32.1 | 27.3 | 21.9 |
| 120         | 38.9                | 37.5 | 34.7 | 28.7 | 23.7 | 19.9 |
| 140         | 31.2                | 29.9 | 29.1 | 25.5 | 21.4 | 17.8 |
| 150         | 28.0                | 27.1 | 24.5 | 23.6 | 20.5 | 17.0 |
| 160         | 25.4                | 25.0 | 23.6 | 22.1 | 19.2 | 16.2 |
| 170         | 23.0                | 22.6 | 22.2 | 20.9 | 18.1 | 15.3 |
| 180         | 20.9                | 20.5 | 20.1 | 19.5 | 17.2 | 14.6 |
| 190         | 19.0                | 18.6 | 18.2 | 18.0 | 16.3 | 13.9 |
| 200         | 17.4                | 16.9 | 16.5 | 16.3 | 15.0 | 13.2 |
| 210         | 15.8                | 15.4 | 15.0 | 14.8 | 13.9 | 12.1 |
| 220         | 14.5                | 14.0 | 13.6 | 13.4 | 12.9 | 11.2 |
| 230         | 13.2                | 12.8 | 12.4 | 12.2 | 11.8 | 10.5 |
| 240         | 12.0                | 11.6 | 11.2 | 11.0 | 10.6 | 9.8  |
| 250         | 10.9                | 10.5 | 10.2 | 10.0 | 9.3  | 8.5  |
| 260         |                     | 9.6  | 9.2  | 9.0  | 8.2  | 7.2  |
| 270         |                     | 8.7  | 8.2  | 7.9  | 7.2  | 6.0  |
| 280         |                     | 7.7  | 7.2  | 6.8  | 6.2  | 5.0  |
| 285         |                     | 7.2  | 6.8  | 6.4  | 5.6  | 4.6  |
| 290         |                     |      | 6.3  | 5.9  | 5.1  | 4.2  |
| 300         |                     |      | 5.4  | 5.1  | 4.1  | 3.4  |
| 305         |                     |      | 4.9  | 4.7  | 3.7  | 3.0  |
| 310         |                     |      |      | 4.3  | 3.3  | 2.6  |
| 320         |                     |      |      | 3.4  | 2.6  | 2.3  |
| 325         |                     |      |      | 3.0  | 2.3  |      |
| 330         |                     |      |      |      | 2.1  |      |

Above lift chart is for reference only. For actual lift duty please refer to lift chart in operator's cab or manual.

## L – boom configuration with 180 ft main boom (No. 2320.xx / No. 1916.xx)

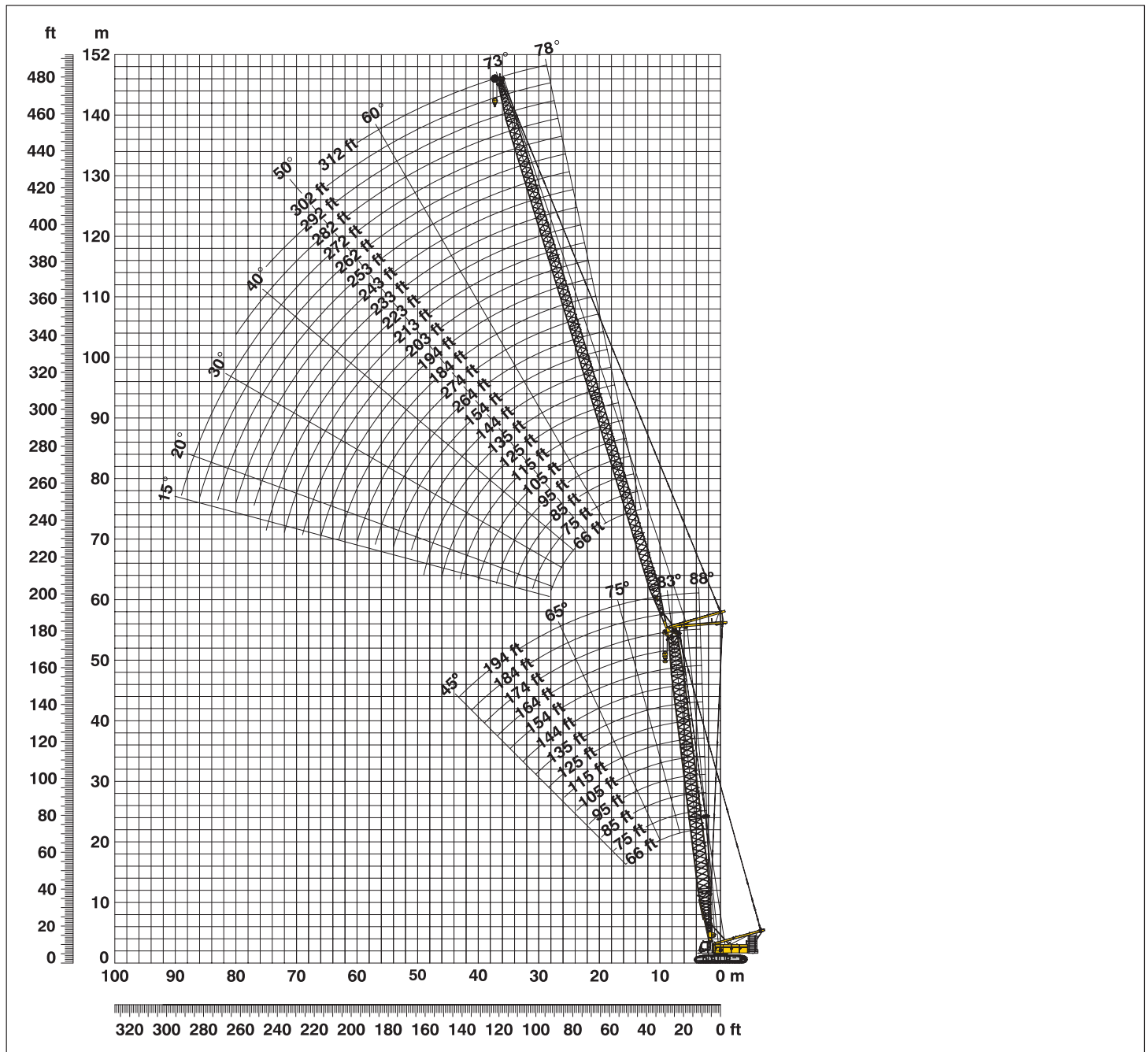
Configuration for L – boom lengths (256 ft – 374 ft)

|                           | Length | Amount of boom and luffing jib extensions |     |     |     |     |     |     |     |     |     |     |     |     |   |
|---------------------------|--------|-------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
|                           |        | 1                                         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1 |
| Boom foot                 | 33 ft  | 1                                         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1 |
| Boom insert               | 10 ft* | 1                                         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1 |
| Boom insert               | 20 ft* | 1                                         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1 |
| Boom insert               | 40 ft* | 3                                         | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3 |
| Tapered                   | 40 ft* | 1                                         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1 |
| Luffing insert            | 10 ft* | 1                                         |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |   |
| Luffing insert            | 20 ft* |                                           | 1   | 1   |     |     | 1   | 1   |     |     | 1   | 1   |     |     |   |
| Luffing insert            | 40 ft* |                                           |     |     | 1   | 1   | 1   | 1   | 2   | 2   |     | 2   | 3   | 3   |   |
| Luffing jib head          | 26 ft* | 1                                         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1 |
| Max. L – boom length (ft) |        | 256                                       | 266 | 276 | 285 | 295 | 305 | 315 | 325 | 335 | 344 | 354 | 364 | 374 |   |

\*Actual lengths of boom sections are metric (e.g. 3 m, 6 m, 8 m, 10 m, 12 m). The figures shown above are approximate conversions to feet.

# Working range - luffing jib (No. 1916.xx) 78° - 15°

## Main boom 88° - 45°



**Boom configuration for main boom lengths (66 ft - 194 ft)** – see table 1 on page 10  
**Jib configuration for jib lengths (66 ft - 312 ft)**

|                         | Length | Amount of luffing jib extensions |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |  |
|-------------------------|--------|----------------------------------|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|--|
| Luffing jib foot        | 23 ft  | 1                                | 1  | 1  | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1 |  |
| Luffing jib insert      | 10 ft* |                                  | 1  |    | 1  |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |     | 1   |   |  |
| Luffing jib insert      | 20 ft* | 1                                | 1  |    |    | 1   | 1   |     |     | 1   | 1   |     |     | 1   | 1   |     |     | 1   | 1   |     |     | 1   | 1   |     |     | 1   | 1   |   |  |
| Luffing jib insert      | 40 ft* |                                  |    | 1  | 1  | 1   | 1   | 2   | 2   | 2   | 2   | 3   | 3   | 3   | 3   | 4   | 4   | 4   | 4   | 5   | 5   | 5   | 5   | 6   | 6   | 6   | 6   | 6 |  |
| Luffing jib head        | 23 ft  | 1                                | 1  | 1  | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1 |  |
| Luffing jib length (ft) |        | 66                               | 75 | 85 | 95 | 105 | 115 | 125 | 135 | 144 | 154 | 164 | 174 | 184 | 194 | 203 | 213 | 223 | 233 | 243 | 253 | 262 | 272 | 282 | 292 | 302 | 312 |   |  |

\*Actual lengths of boom sections are metric (e.g. 3 m, 6 m, 12 m). The figures shown above are approximate conversions to feet.

# Lift chart – tower crane (No. 1916.xx)

## Main boom angle 88°

### Main boom 66 ft

|             | Jib length in (ft) |       |       |      |      |      |      |      |
|-------------|--------------------|-------|-------|------|------|------|------|------|
|             | 66                 | 95    | 135   | 174  | 203  | 233  | 272  | 312  |
| Radius (ft) | lbs                | lbs   | lbs   | lbs  | lbs  | lbs  | lbs  | lbs  |
| 31.8        |                    | 155.8 |       |      |      |      |      |      |
| 35          | 155.8              | 153.3 |       |      |      |      |      |      |
| 40          | 154.6              | 143.0 | 102.9 |      |      |      |      |      |
| 50          | 122.2              | 119.9 | 95.8  | 72.4 |      |      |      |      |
| 55          | 115.2              | 110.6 | 90.9  | 70.7 | 53.0 |      |      |      |
| 65          | 96.3               | 89.5  | 81.5  | 67.4 | 51.9 | 41.0 |      |      |
| 70          | 69.7               | 82.2  | 74.4  | 65.9 | 51.0 | 40.1 | 27.9 |      |
| 80          |                    | 71.2  | 68.0  | 60.9 | 48.8 | 38.5 | 26.8 | 17.2 |
| 100         |                    | 45.0  | 51.5  | 49.8 | 45.3 | 35.6 | 23.6 | 15.9 |
| 140         |                    |       | 26.6  | 33.5 | 31.9 | 28.9 | 20.4 | 13.3 |
| 175         |                    |       |       | 21.6 | 25.0 | 24.0 | 18.1 | 11.5 |
| 205         |                    |       |       |      | 16.9 | 19.3 | 16.1 | 10.1 |
| 235         |                    |       |       |      |      | 12.1 | 14.2 | 8.7  |
| 270         |                    |       |       |      |      |      | 8.1  | 7.3  |
| 280         |                    |       |       |      |      |      |      | 6.4  |
| 310         |                    |       |       |      |      |      |      | 3.6  |

### Main boom 115 ft

|             | Jib length in (ft) |       |      |      |      |      |      |      |
|-------------|--------------------|-------|------|------|------|------|------|------|
|             | 66                 | 95    | 135  | 174  | 203  | 233  | 272  | 312  |
| Radius (ft) | lbs                | lbs   | lbs  | lbs  | lbs  | lbs  | lbs  | lbs  |
| 27.4        | 155.8              |       |      |      |      |      |      |      |
| 35          | 140.4              | 123.4 |      |      |      |      |      |      |
| 45          | 119.3              | 107.1 | 79.1 |      |      |      |      |      |
| 50          | 109.2              | 100.3 | 79.1 | 53.0 |      |      |      |      |
| 60          | 94.5               | 88.9  | 76.3 | 53.0 | 44.8 |      |      |      |
| 65          | 88.5               | 83.2  | 73.3 | 53.0 | 44.2 | 34.3 |      |      |
| 75          | 74.3               | 74.5  | 66.8 | 53.0 | 43.2 | 33.5 | 23.6 |      |
| 80          |                    | 70.4  | 64.2 | 52.0 | 42.7 | 33.2 | 23.2 | 15.5 |
| 100         |                    | 57.3  | 54.2 | 47.9 | 40.4 | 31.6 | 21.5 | 15.0 |
| 140         |                    |       | 37.7 | 36.7 | 33.5 | 28.0 | 18.8 | 12.6 |
| 180         |                    |       |      | 25.7 | 24.8 | 23.7 | 16.7 | 10.7 |
| 205         |                    |       |      |      | 21.4 | 21.3 | 15.7 | 9.7  |
| 235         |                    |       |      |      |      | 16.4 | 14.6 | 8.5  |
| 275         |                    |       |      |      |      |      | 10.6 | 7.1  |
| 280         |                    |       |      |      |      |      |      | 7.0  |
| 310         |                    |       |      |      |      |      |      | 5.8  |

### Main boom 144 ft

|             | Jib length in (ft) |       |      |      |      |      |      |      |
|-------------|--------------------|-------|------|------|------|------|------|------|
|             | 66                 | 95    | 135  | 174  | 203  | 233  | 272  | 312  |
| Radius (ft) | lbs                | lbs   | lbs  | lbs  | lbs  | lbs  | lbs  | lbs  |
| 28.4        | 126.7              |       |      |      |      |      |      |      |
| 35          | 119.6              | 100.4 |      |      |      |      |      |      |
| 45          | 107.1              | 93.2  | 71.3 |      |      |      |      |      |
| 55          | 95.8               | 85.2  | 68.6 | 49.8 |      |      |      |      |
| 60          | 91.3               | 82.1  | 67.0 | 49.0 | 38.4 |      |      |      |
| 65          | 87.0               | 76.3  | 65.3 | 48.4 | 38.0 | 30.1 |      |      |
| 75          | 75.9               | 72.1  | 61.1 | 46.9 | 37.0 | 29.6 | 21.1 |      |
| 80          |                    | 69.2  | 59.6 | 46.2 | 36.5 | 29.3 | 21.0 | 14.4 |
| 100         |                    | 59.0  | 52.1 | 43.1 | 34.5 | 27.9 | 19.9 | 13.5 |
| 140         |                    |       | 38.5 | 35.9 | 30.6 | 24.6 | 17.7 | 11.5 |
| 180         |                    |       |      | 27.1 | 24.8 | 21.9 | 15.9 | 9.9  |
| 205         |                    |       |      |      | 21.5 | 20.2 | 15.0 | 9.0  |
| 235         |                    |       |      |      |      | 16.5 | 14.0 | 7.9  |
| 275         |                    |       |      |      |      |      | 11.1 | 6.7  |
| 300         |                    |       |      |      |      |      |      | 6.0  |
| 310         |                    |       |      |      |      |      |      | 5.7  |

### Main boom 174 ft

|             | Jib length in (ft) |      |      |      |      |      |      |      |
|-------------|--------------------|------|------|------|------|------|------|------|
|             | 66                 | 95   | 135  | 174  | 203  | 233  | 272  | 312  |
| Radius (ft) | lbs                | lbs  | lbs  | lbs  | lbs  | lbs  | lbs  | lbs  |
| 29.4        | 100.3              |      |      |      |      |      |      |      |
| 40          | 92.1               | 77.3 |      |      |      |      |      |      |
| 45          | 87.6               | 74.9 | 53.0 |      |      |      |      |      |
| 55          | 80.8               | 69.5 | 52.8 | 41.2 |      |      |      |      |
| 60          | 77.4               | 67.3 | 52.2 | 40.6 | 32.8 |      |      |      |
| 65          | 74.7               | 65.0 | 51.7 | 40.0 | 32.5 | 25.8 |      |      |
| 75          | 70.9               | 60.9 | 49.7 | 38.7 | 31.6 | 25.0 | 18.2 |      |
| 85          |                    | 57.4 | 47.6 | 37.3 | 30.7 | 24.4 | 17.9 | 12.2 |
| 100         |                    | 53.5 | 44.1 | 35.4 | 29.2 | 23.5 | 17.3 | 11.8 |
| 140         |                    |      | 37.0 | 30.1 | 23.3 | 21.0 | 15.5 | 10.3 |
| 180         |                    |      |      | 26.7 | 20.4 | 18.6 | 14.0 | 8.9  |
| 205         |                    |      |      |      | 19.2 | 17.2 | 13.2 | 8.2  |
| 235         |                    |      |      |      |      | 15.9 | 12.2 | 7.3  |
| 275         |                    |      |      |      |      |      | 10.9 | 6.2  |
| 300         |                    |      |      |      |      |      |      | 5.5  |
| 310         |                    |      |      |      |      |      |      | 5.3  |

### Main boom 184 ft

|             | Jib length in (ft) |      |      |      |      |      |      |      |
|-------------|--------------------|------|------|------|------|------|------|------|
|             | 66                 | 95   | 115  | 135  | 174  | 203  | 233  | 262  |
| Radius (ft) | lbs                | lbs  | lbs  | lbs  | lbs  | lbs  | lbs  | lbs  |
| 29.8        | 97.8               |      |      |      |      |      |      |      |
| 40          | 90.5               | 74.5 | 63.9 |      |      |      |      |      |
| 45          | 86.7               | 72.4 | 63.0 | 53.0 |      |      |      |      |
| 55          | 79.7               | 68.0 | 60.1 | 51.0 | 38.4 |      |      |      |
| 60          | 76.3               | 66.1 | 58.5 | 49.7 | 38.2 | 30.0 |      |      |
| 65          | 73.1               | 63.9 | 56.9 | 48.8 | 37.9 | 29.9 | 25.0 |      |
| 75          | 68.3               | 59.9 | 53.9 | 46.9 | 36.9 | 29.7 | 24.2 | 19.5 |
| 100         |                    | 51.0 | 46.5 | 42.0 | 33.9 | 28.1 | 22.7 | 18.5 |
| 120         |                    |      | 42.4 | 38.0 | 31.0 | 25.8 | 21.4 | 17.6 |
| 140         |                    |      |      | 35.4 | 28.6 | 23.3 | 20.2 | 16.7 |
| 180         |                    |      |      |      | 22.3 | 19.7 | 17.9 | 15.0 |
| 205         |                    |      |      |      |      | 18.4 | 16.6 | 13.9 |
| 220         |                    |      |      |      |      |      | 16.0 | 13.2 |
| 235         |                    |      |      |      |      |      | 15.5 | 12.6 |
| 240         |                    |      |      |      |      |      |      | 12.5 |
| 265         |                    |      |      |      |      |      |      | 11.9 |

### Main boom 194 ft

|             | Jib length in (ft) |      |      |      |      |      |  |  |
|-------------|--------------------|------|------|------|------|------|--|--|
|             | 66                 | 95   | 115  | 135  | 174  | 203  |  |  |
| Radius (ft) | lbs                | lbs  | lbs  | lbs  | lbs  | lbs  |  |  |
| 30.1        | 87.3               |      |      |      |      |      |  |  |
| 40          | 81.1               | 66.8 |      |      |      |      |  |  |
| 45          | 76.7               | 65.0 | 53.0 | 49.0 |      |      |  |  |
| 55          | 71.7               | 61.3 | 51.9 | 47.5 | 36.3 |      |  |  |
| 60          | 69.4               | 59.5 | 51.2 | 46.3 | 35.8 | 29.1 |  |  |
| 65          | 67.0               | 57.6 | 50.4 | 45.5 | 35.3 | 28.9 |  |  |
| 75          | 63.7               | 54.2 | 48.5 | 43.2 | 34.0 | 28.1 |  |  |
| 80          |                    | 51.5 | 47.0 | 42.4 | 33.5 | 27.6 |  |  |
| 100         |                    | 47.9 | 42.5 | 38.4 | 31.1 | 25.7 |  |  |
| 120         |                    |      | 39.5 | 34.9 | 28.5 | 24.1 |  |  |
| 140         |                    |      |      | 32.7 | 24.0 | 22.4 |  |  |
| 160         |                    |      |      |      | 22.4 | 20.4 |  |  |
| 180         |                    |      |      |      | 20.8 | 18.4 |  |  |
| 190         |                    |      |      |      |      | 17.8 |  |  |
| 200         |                    |      |      |      |      | 17.4 |  |  |
| 205         |                    |      |      |      |      | 17.2 |  |  |

Capacities in 1000 lbs with luffing jib (No. 1916.xx) 178,600 lbs counterweight + 79,400 lbs carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.



# Lift chart – luffing jib (No. 1916.xx)

Main boom angle 83°

## Main boom 66 ft

|             | Jib length in (ft) |       |      |      |      |      |      |      |
|-------------|--------------------|-------|------|------|------|------|------|------|
|             | 66                 | 95    | 135  | 174  | 203  | 233  | 272  | 312  |
| Radius (ft) | lbs                | lbs   | lbs  | lbs  | lbs  | lbs  | lbs  | lbs  |
| 37          | 155.8              |       |      |      |      |      |      |      |
| 50          | 136.6              | 136.1 |      |      |      |      |      |      |
| 60          | 108.4              | 107.9 | 92.9 |      |      |      |      |      |
| 70          | 89.5               | 89.1  | 84.5 | 67.4 |      |      |      |      |
| 75          | 82.1               | 81.9  | 79.7 | 66.3 |      |      |      |      |
| 80          |                    | 75.7  | 74.4 | 64.4 | 50.0 |      |      |      |
| 90          |                    | 65.6  | 64.8 | 60.4 | 48.1 | 37.8 |      |      |
| 100         |                    | 57.6  | 57.0 | 56.1 | 46.3 | 36.4 | 24.0 |      |
| 105         |                    | 47.7  | 53.7 | 50.8 | 45.5 | 35.8 | 23.7 |      |
| 110         |                    |       | 49.3 | 48.1 | 44.8 | 35.0 | 23.2 | 15.9 |
| 140         |                    |       | 35.5 | 36.6 | 34.8 | 30.7 | 20.7 | 13.7 |
| 180         |                    |       |      | 22.9 | 25.8 | 24.1 | 18.2 | 11.6 |
| 210         |                    |       |      |      | 18.5 | 20.0 | 16.4 | 10.2 |
| 235         |                    |       |      |      |      | 14.6 | 15.0 | 9.1  |
| 275         |                    |       |      |      |      |      | 9.2  | 7.5  |
| 315         |                    |       |      |      |      |      |      | 4.6  |

## Main boom 115 ft

|             | Jib length in (ft) |       |      |      |      |      |      |      |
|-------------|--------------------|-------|------|------|------|------|------|------|
|             | 66                 | 95    | 135  | 174  | 203  | 233  | 272  | 312  |
| Radius (ft) | lbs                | lbs   | lbs  | lbs  | lbs  | lbs  | lbs  | lbs  |
| 43          | 144.1              |       |      |      |      |      |      |      |
| 55          | 118.8              | 109.5 |      |      |      |      |      |      |
| 65          | 96.4               | 95.0  | 78.9 |      |      |      |      |      |
| 75          | 80.8               | 80.3  | 75.5 | 53.0 |      |      |      |      |
| 85          | 69.1               | 68.9  | 68.1 | 53.0 | 44.0 |      |      |      |
| 95          |                    | 60.2  | 59.4 | 51.9 | 43.0 | 33.2 |      |      |
| 105         |                    | 53.3  | 52.5 | 50.5 | 41.7 | 32.4 | 21.6 |      |
| 110         |                    | 50.3  | 49.6 | 48.6 | 41.0 | 32.0 | 21.5 |      |
| 115         |                    |       | 46.9 | 46.0 | 40.4 | 31.5 | 21.2 | 14.3 |
| 150         |                    |       | 33.6 | 32.8 | 32.1 | 28.4 | 18.8 | 12.3 |
| 190         |                    |       |      | 23.9 | 23.3 | 22.5 | 16.8 | 10.6 |
| 215         |                    |       |      |      | 19.4 | 18.7 | 15.8 | 9.7  |
| 245         |                    |       |      |      |      | 15.2 | 14.3 | 8.5  |
| 285         |                    |       |      |      |      |      | 10.7 | 7.3  |
| 300         |                    |       |      |      |      |      |      | 6.7  |
| 320         |                    |       |      |      |      |      |      | 6.0  |

## Main boom 144 ft

|             | Jib length in (ft) |      |      |      |      |      |      |      |
|-------------|--------------------|------|------|------|------|------|------|------|
|             | 66                 | 95   | 135  | 174  | 203  | 233  | 272  | 312  |
| Radius (ft) | lbs                | lbs  | lbs  | lbs  | lbs  | lbs  | lbs  | lbs  |
| 46.6        | 114.5              |      |      |      |      |      |      |      |
| 60          | 100.9              | 90.3 |      |      |      |      |      |      |
| 70          | 86.8               | 83.3 | 68.9 |      |      |      |      |      |
| 80          | 73.6               | 73.1 | 65.2 | 49.5 |      |      |      |      |
| 85          | 68.3               | 67.9 | 62.9 | 49.2 |      |      |      |      |
| 90          |                    | 63.4 | 61.1 | 48.6 | 38.0 |      |      |      |
| 100         |                    | 55.7 | 54.9 | 46.9 | 37.4 | 29.5 |      |      |
| 110         |                    | 49.6 | 48.8 | 45.4 | 36.5 | 29.0 | 19.9 |      |
| 115         |                    | 26.6 | 46.2 | 44.4 | 36.0 | 28.7 | 19.8 |      |
| 120         |                    |      | 43.8 | 42.8 | 35.6 | 28.4 | 19.5 | 12.8 |
| 150         |                    |      | 33.0 | 32.2 | 31.5 | 25.7 | 17.8 | 11.6 |
| 190         |                    |      |      | 23.4 | 22.8 | 22.0 | 16.0 | 10.0 |
| 220         |                    |      |      |      | 18.4 | 17.6 | 15.0 | 9.0  |
| 245         |                    |      |      |      |      | 14.8 | 13.9 | 8.1  |
| 285         |                    |      |      |      |      |      | 10.4 | 6.9  |
| 325         |                    |      |      |      |      |      |      | 5.8  |

## Main boom 174 ft

|             | Jib length in (ft) |      |      |      |      |      |      |      |
|-------------|--------------------|------|------|------|------|------|------|------|
|             | 66                 | 95   | 135  | 174  | 203  | 233  | 272  | 312  |
| Radius (ft) | lbs                | lbs  | lbs  | lbs  | lbs  | lbs  | lbs  | lbs  |
| 50.2        | 92.2               |      |      |      |      |      |      |      |
| 60          | 85.7               | 73.6 |      |      |      |      |      |      |
| 85          | 67.3               | 62.7 | 51.8 | 40.3 |      |      |      |      |
| 90          | 62.7               | 61.0 | 50.5 | 39.8 |      |      |      |      |
| 95          |                    | 58.3 | 49.5 | 39.1 | 32.2 |      |      |      |
| 100         |                    | 54.8 | 48.2 | 38.5 | 31.8 | 25.3 |      |      |
| 115         |                    | 46.1 | 44.8 | 37.1 | 30.5 | 24.1 | 17.2 |      |
| 120         |                    | 43.7 | 43.0 | 36.3 | 30.1 | 23.8 | 17.1 |      |
| 125         |                    |      | 40.8 | 35.5 | 29.8 | 23.4 | 16.9 | 11.2 |
| 160         |                    |      | 26.6 | 28.9 | 26.9 | 21.2 | 15.4 | 10.1 |
| 195         |                    |      |      | 22.1 | 21.1 | 19.3 | 14.2 | 9.0  |
| 225         |                    |      |      |      | 17.3 | 16.6 | 13.2 | 8.2  |
| 250         |                    |      |      |      |      | 13.9 | 12.5 | 7.4  |
| 290         |                    |      |      |      |      |      | 9.6  | 6.3  |
| 320         |                    |      |      |      |      |      |      | 5.6  |
| 330         |                    |      |      |      |      |      |      | 5.3  |

## Main boom 184 ft

|             | Jib length in (ft) |      |      |      |      |      |      |      |
|-------------|--------------------|------|------|------|------|------|------|------|
|             | 66                 | 95   | 115  | 135  | 174  | 203  | 233  | 262  |
| Radius (ft) | lbs                | lbs  | lbs  | lbs  | lbs  | lbs  | lbs  | lbs  |
| 51.4        | 91.0               |      |      |      |      |      |      |      |
| 65          | 82.6               | 70.8 |      |      |      |      |      |      |
| 70          | 77.3               | 68.7 | 61.6 |      |      |      |      |      |
| 75          | 75.3               | 66.5 | 60.1 | 52.3 |      |      |      |      |
| 85          | 66.9               | 61.8 | 57.0 | 50.6 | 38.4 |      |      |      |
| 95          | 26.6               | 57.7 | 53.4 | 48.6 | 37.7 | 30.9 |      |      |
| 105         |                    | 51.3 | 50.1 | 45.9 | 36.7 | 30.3 | 23.9 |      |
| 110         |                    | 48.4 | 48.0 | 44.6 | 36.2 | 30.0 | 23.7 | 18.9 |
| 120         |                    | 43.4 | 43.1 | 42.4 | 35.1 | 29.0 | 23.1 | 18.4 |
| 140         |                    |      | 35.4 | 35.2 | 32.5 | 27.4 | 21.9 | 17.4 |
| 160         |                    |      |      | 29.5 | 28.7 | 25.4 | 20.6 | 16.7 |
| 180         |                    |      |      |      | 24.0 | 22.2 | 19.6 | 15.8 |
| 195         |                    |      |      |      | 21.9 | 20.1 | 18.5 | 15.3 |
| 225         |                    |      |      |      |      | 17.1 | 16.4 | 13.9 |
| 255         |                    |      |      |      |      |      | 13.3 | 12.6 |
| 285         |                    |      |      |      |      |      |      | 10.1 |

## Main boom 194 ft

|             | Jib length in (ft) |      |      |      |      |      |  |  |
|-------------|--------------------|------|------|------|------|------|--|--|
|             | 66                 | 95   | 115  | 135  | 174  | 203  |  |  |
| Radius (ft) | lbs                | lbs  | lbs  | lbs  | lbs  | lbs  |  |  |
| 52.6        | 80.7               |      |      |      |      |      |  |  |
| 65          | 73.9               | 64.0 |      |      |      |      |  |  |
| 70          | 71.1               | 62.2 | 52.8 |      |      |      |  |  |
| 75          | 69.0               | 60.0 | 52.7 | 46.8 |      |      |  |  |
| 85          | 64.8               | 56.5 | 50.9 | 45.8 | 35.3 |      |  |  |
| 95          | 57.9               | 53.6 | 48.4 | 44.1 | 34.4 | 28.4 |  |  |
| 100         |                    | 51.2 | 47.2 | 43.3 | 33.8 | 28.1 |  |  |
| 120         |                    | 43.2 | 42.8 | 39.4 | 31.8 | 26.0 |  |  |
| 130         |                    |      | 38.7 | 37.4 | 30.8 | 25.6 |  |  |
| 140         |                    |      | 35.2 | 34.9 | 29.9 | 24.9 |  |  |
| 150         |                    |      |      | 31.9 | 28.8 | 24.2 |  |  |
| 160         |                    |      |      | 29.3 | 27.7 | 23.7 |  |  |
| 180         |                    |      |      |      | 22.6 | 20.9 |  |  |
| 200         |                    |      |      |      | 20.9 | 18.5 |  |  |
| 220         |                    |      |      |      |      | 17.5 |  |  |
| 225         |                    |      |      |      |      | 17.0 |  |  |

Capacities in 1000 lbs with luffing jib (No. 1916.xx) 178,600 lbs counterweight + 79,400 lbs carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

# Lift chart – luffing jib (No. 1916.xx)

## Main boom angle 75°

### Main boom 66 ft

|             | Jib length in (ft) |      |      |      |      |      |      |      |
|-------------|--------------------|------|------|------|------|------|------|------|
|             | 66                 | 95   | 135  | 174  | 203  | 233  | 272  | 312  |
| Radius (ft) | lbs                | lbs  | lbs  | lbs  | lbs  | lbs  | lbs  | lbs  |
| 54.7        | 117.7              |      |      |      |      |      |      |      |
| 70          | 86.5               | 85.9 |      |      |      |      |      |      |
| 85          | 68.1               | 67.7 | 66.8 |      |      |      |      |      |
| 105         |                    | 52.3 | 51.5 | 50.5 |      |      |      |      |
| 115         |                    | 26.6 | 46.1 | 45.1 | 44.3 |      |      |      |
| 130         |                    |      | 39.5 | 38.6 | 37.9 | 33.4 |      |      |
| 145         |                    |      | 34.4 | 33.5 | 32.8 | 31.8 | 20.6 |      |
| 150         |                    |      | 32.9 | 32.1 | 31.4 | 30.5 | 20.4 |      |
| 160         |                    |      |      | 29.5 | 28.8 | 27.9 | 19.7 | 12.8 |
| 190         |                    |      |      | 23.4 | 22.8 | 21.9 | 18.0 | 11.6 |
| 220         |                    |      |      |      | 18.3 | 17.6 | 16.4 | 10.1 |
| 245         |                    |      |      |      |      | 14.7 | 13.8 | 9.0  |
| 260         |                    |      |      |      |      |      | 12.4 | 8.4  |
| 285         |                    |      |      |      |      |      | 10.3 | 7.5  |
| 300         |                    |      |      |      |      |      |      | 6.7  |
| 320         |                    |      |      |      |      |      |      | 5.6  |

### Main boom 115 ft

|             | Jib length in (ft) |      |      |      |      |      |      |      |
|-------------|--------------------|------|------|------|------|------|------|------|
|             | 66                 | 95   | 135  | 174  | 203  | 233  | 272  | 312  |
| Radius (ft) | lbs                | lbs  | lbs  | lbs  | lbs  | lbs  | lbs  | lbs  |
| 67.5        | 86.1               |      |      |      |      |      |      |      |
| 80          | 69.9               | 69.1 |      |      |      |      |      |      |
| 100         | 53.1               | 52.6 | 51.5 |      |      |      |      |      |
| 115         |                    | 44.3 | 43.3 | 42.2 |      |      |      |      |
| 130         |                    | 26.6 | 37.2 | 36.1 | 35.3 |      |      |      |
| 140         |                    |      | 33.8 | 32.8 | 32.0 | 29.9 |      |      |
| 155         |                    |      | 29.7 | 28.7 | 27.9 | 26.9 | 19.3 |      |
| 165         |                    |      | 27.3 | 26.4 | 25.7 | 24.7 | 18.5 |      |
| 175         |                    |      |      | 24.4 | 23.7 | 22.7 | 18.0 | 11.5 |
| 200         |                    |      |      | 20.2 | 19.5 | 18.6 | 16.8 | 10.7 |
| 205         |                    |      |      | 19.5 | 18.8 | 17.9 | 16.6 | 10.5 |
| 230         |                    |      |      |      | 15.7 | 14.9 | 13.9 | 9.5  |
| 260         |                    |      |      |      |      | 12.0 | 11.0 | 8.5  |
| 300         |                    |      |      |      |      |      | 8.1  | 7.1  |
| 320         |                    |      |      |      |      |      |      | 6.0  |
| 335         |                    |      |      |      |      |      |      | 5.2  |

### Main boom 144 ft

|             | Jib length in (ft) |      |      |      |      |      |      |      |
|-------------|--------------------|------|------|------|------|------|------|------|
|             | 66                 | 95   | 135  | 174  | 203  | 233  | 272  | 312  |
| Radius (ft) | lbs                | lbs  | lbs  | lbs  | lbs  | lbs  | lbs  | lbs  |
| 75.1        | 72.7               |      |      |      |      |      |      |      |
| 90          | 58.3               | 57.4 |      |      |      |      |      |      |
| 105         | 48.2               | 47.5 | 46.3 |      |      |      |      |      |
| 125         |                    | 38.3 | 37.3 | 36.1 |      |      |      |      |
| 135         |                    | 34.7 | 33.8 | 32.6 | 31.8 |      |      |      |
| 150         |                    |      | 29.5 | 28.4 | 27.6 | 25.9 |      |      |
| 165         |                    |      | 26.1 | 25.0 | 24.3 | 23.3 | 17.4 |      |
| 175         |                    |      | 24.1 | 23.1 | 22.3 | 21.4 | 17.2 |      |
| 180         |                    |      |      | 22.2 | 21.5 | 20.5 | 17.0 | 10.9 |
| 210         |                    |      |      | 17.7 | 17.1 | 16.2 | 15.0 | 9.9  |
| 240         |                    |      |      |      | 13.8 | 12.9 | 11.8 | 8.9  |
| 265         |                    |      |      |      |      | 10.8 | 9.7  | 8.1  |
| 280         |                    |      |      |      |      |      | 8.6  | 7.2  |
| 305         |                    |      |      |      |      |      | 7.0  | 5.8  |
| 320         |                    |      |      |      |      |      |      | 5.1  |
| 345         |                    |      |      |      |      |      |      | 4.0  |

### Main boom 174 ft

|             | Jib length in (ft) |      |      |      |      |      |      |     |
|-------------|--------------------|------|------|------|------|------|------|-----|
|             | 66                 | 95   | 135  | 174  | 203  | 233  | 272  | 312 |
| Radius (ft) | lbs                | lbs  | lbs  | lbs  | lbs  | lbs  | lbs  | lbs |
| 82.7        | 61.7               |      |      |      |      |      |      |     |
| 100         | 49.0               | 48.1 |      |      |      |      |      |     |
| 115         | 26.6               | 40.5 | 39.2 |      |      |      |      |     |
| 130         |                    | 34.7 | 33.6 | 32.3 |      |      |      |     |
| 140         |                    | 31.6 | 30.6 | 29.3 |      |      |      |     |
| 145         |                    |      | 29.2 | 28.0 | 27.1 |      |      |     |
| 155         |                    |      | 26.8 | 25.6 | 24.8 | 21.8 |      |     |
| 175         |                    |      | 22.8 | 21.7 | 20.9 | 19.6 | 14.7 |     |
| 180         |                    |      | 21.9 | 20.8 | 20.1 | 18.8 | 14.7 |     |
| 190         |                    |      |      | 19.3 | 18.5 | 17.4 | 14.4 | 9.1 |
| 215         |                    |      |      | 16.0 | 15.3 | 14.3 | 12.4 | 8.7 |
| 245         |                    |      |      |      | 12.3 | 11.4 | 9.8  | 7.8 |
| 275         |                    |      |      |      |      | 9.1  | 7.8  | 5.9 |
| 310         |                    |      |      |      |      |      | 5.9  | 4.1 |
| 320         |                    |      |      |      |      |      |      | 3.7 |
| 350         |                    |      |      |      |      |      |      | 2.6 |

### Main boom 184 ft

|             | Jib length in (ft) |      |      |      |      |      |      |      |
|-------------|--------------------|------|------|------|------|------|------|------|
|             | 66                 | 95   | 115  | 135  | 174  | 203  | 233  | 262  |
| Radius (ft) | lbs                | lbs  | lbs  | lbs  | lbs  | lbs  | lbs  | lbs  |
| 85.3        | 58.5               |      |      |      |      |      |      |      |
| 100         | 48.1               | 47.2 |      |      |      |      |      |      |
| 110         | 42.8               | 42.0 | 41.3 |      |      |      |      |      |
| 115         | 40.5               | 39.7 | 39.0 | 38.4 |      |      |      |      |
| 135         |                    | 32.5 | 31.9 | 31.4 | 30.1 |      |      |      |
| 145         |                    | 29.6 | 29.1 | 28.6 | 27.4 | 26.3 |      |      |
| 160         |                    |      | 25.6 | 25.2 | 24.0 | 23.1 | 20.9 |      |
| 165         |                    |      | 24.5 | 24.1 | 23.0 | 22.2 | 20.3 |      |
| 170         |                    |      |      | 23.2 | 22.1 | 21.2 | 19.5 | 15.9 |
| 185         |                    |      |      | 20.6 | 19.6 | 18.8 | 17.3 | 15.6 |
| 220         |                    |      |      |      | 15.0 | 14.3 | 13.3 | 11.8 |
| 250         |                    |      |      |      |      | 11.5 | 10.6 | 9.4  |
| 280         |                    |      |      |      |      |      | 8.4  | 7.5  |
| 305         |                    |      |      |      |      |      |      | 6.2  |

### Main boom 194 ft

|             | Jib length in (ft) |      |      |      |      |      |  |  |
|-------------|--------------------|------|------|------|------|------|--|--|
|             | 66                 | 95   | 115  | 135  | 174  | 203  |  |  |
| Radius (ft) | lbs                | lbs  | lbs  | lbs  | lbs  | lbs  |  |  |
| 87.8        | 55.4               |      |      |      |      |      |  |  |
| 105         | 44.6               | 43.6 |      |      |      |      |  |  |
| 110         | 42.1               | 41.2 | 40.4 |      |      |      |  |  |
| 120         | 37.6               | 36.9 | 36.3 | 35.7 |      |      |  |  |
| 135         |                    | 31.9 | 31.2 | 30.7 | 29.4 |      |  |  |
| 150         |                    | 26.6 | 27.3 | 26.8 | 25.6 | 24.2 |  |  |
| 160         |                    |      | 25.1 | 24.6 | 23.4 | 22.2 |  |  |
| 170         |                    |      | 23.0 | 22.7 | 21.5 | 20.5 |  |  |
| 180         |                    |      |      | 20.9 | 19.8 | 19.0 |  |  |
| 185         |                    |      |      | 20.1 | 19.1 | 18.3 |  |  |
| 200         |                    |      |      |      | 17.0 | 16.2 |  |  |
| 225         |                    |      |      |      | 14.1 | 13.4 |  |  |
| 240         |                    |      |      |      |      | 12.0 |  |  |
| 255         |                    |      |      |      |      | 10.7 |  |  |

Capacities in 1000 lbs with luffing jib (No. 1916.xx) 178,600 lbs counterweight + 79,400 lbs carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

# Lift chart – luffing jib (No. 1916.xx)

Main boom angle 65°

## Main boom 66 ft

|             | Jib length in (ft) |      |      |      |      |      |      |      |
|-------------|--------------------|------|------|------|------|------|------|------|
|             | 66                 | 95   | 135  | 174  | 203  | 233  | 272  | 312  |
| Radius (ft) | lbs                | lbs  | lbs  | lbs  | lbs  | lbs  | lbs  | lbs  |
| 75.4        | 75.7               |      |      |      |      |      |      |      |
| 95          | 57.0               | 56.5 |      |      |      |      |      |      |
| 115         |                    | 44.7 | 43.7 |      |      |      |      |      |
| 125         |                    | 40.2 | 39.4 |      |      |      |      |      |
| 140         |                    |      | 34.1 | 33.1 |      |      |      |      |
| 155         |                    |      | 29.9 | 29.0 | 28.2 |      |      |      |
| 165         |                    |      | 26.6 | 26.6 | 26.0 |      |      |      |
| 175         |                    |      |      | 24.6 | 23.9 | 23.0 |      |      |
| 195         |                    |      |      | 21.2 | 20.5 | 19.6 | 18.0 |      |
| 200         |                    |      |      | 20.4 | 19.8 | 18.9 | 17.7 |      |
| 220         |                    |      |      |      | 17.1 | 16.3 | 15.2 | 10.3 |
| 230         |                    |      |      |      | 15.9 | 15.1 | 14.1 | 10.0 |
| 260         |                    |      |      |      |      | 12.2 | 11.2 | 8.9  |
| 295         |                    |      |      |      |      |      | 8.6  | 7.6  |
| 320         |                    |      |      |      |      |      |      | 6.1  |
| 335         |                    |      |      |      |      |      |      | 5.3  |

## Main boom 115 ft

|             | Jib length in (ft) |      |      |      |      |      |      |     |
|-------------|--------------------|------|------|------|------|------|------|-----|
|             | 66                 | 95   | 135  | 174  | 203  | 233  | 272  | 312 |
| Radius (ft) | lbs                | lbs  | lbs  | lbs  | lbs  | lbs  | lbs  | lbs |
| 96.2        | 51.1               |      |      |      |      |      |      |     |
| 115         | 41.0               | 40.2 |      |      |      |      |      |     |
| 120         | 26.6               | 38.2 |      |      |      |      |      |     |
| 140         |                    | 31.4 | 30.3 |      |      |      |      |     |
| 145         |                    | 30.0 | 29.0 |      |      |      |      |     |
| 160         |                    |      | 25.5 | 24.3 |      |      |      |     |
| 180         |                    |      | 21.7 | 20.7 | 19.8 |      |      |     |
| 185         |                    |      | 20.9 | 19.9 | 19.1 |      |      |     |
| 195         |                    |      |      | 18.4 | 17.6 | 16.6 |      |     |
| 215         |                    |      |      | 15.9 | 15.1 | 14.2 | 12.9 |     |
| 225         |                    |      |      | 14.8 | 14.1 | 13.1 | 11.9 |     |
| 240         |                    |      |      |      | 12.6 | 11.7 | 10.5 | 8.9 |
| 250         |                    |      |      |      | 11.7 | 10.8 | 9.7  | 8.1 |
| 280         |                    |      |      |      |      | 8.6  | 7.5  | 6.1 |
| 320         |                    |      |      |      |      |      | 5.3  | 4.1 |
| 355         |                    |      |      |      |      |      |      | 2.6 |

## Main boom 144 ft

|             | Jib length in (ft) |      |      |      |      |      |     |     |
|-------------|--------------------|------|------|------|------|------|-----|-----|
|             | 66                 | 95   | 135  | 174  | 203  | 233  | 272 | 312 |
| Radius (ft) | lbs                | lbs  | lbs  | lbs  | lbs  | lbs  | lbs | lbs |
| 108.7       | 40.8               |      |      |      |      |      |     |     |
| 130         | 32.6               | 31.8 |      |      |      |      |     |     |
| 150         |                    | 26.5 | 25.3 |      |      |      |     |     |
| 160         |                    | 24.3 | 23.2 |      |      |      |     |     |
| 175         |                    |      | 20.5 | 19.3 |      |      |     |     |
| 190         |                    |      | 18.3 | 17.1 | 16.2 |      |     |     |
| 200         |                    |      | 16.9 | 15.8 | 15.0 |      |     |     |
| 205         |                    |      |      | 15.2 | 14.4 | 13.3 |     |     |
| 230         |                    |      |      | 12.6 | 11.9 | 10.8 | 9.1 |     |
| 235         |                    |      |      | 12.2 | 11.4 | 10.4 | 8.7 |     |
| 250         |                    |      |      |      | 10.2 | 9.2  | 7.6 | 5.6 |
| 265         |                    |      |      |      | 9.1  | 8.2  | 6.7 | 4.7 |
| 295         |                    |      |      |      |      | 6.3  | 5.0 | 3.2 |
| 320         |                    |      |      |      |      |      | 4.0 | 2.1 |
| 330         |                    |      |      |      |      |      | 3.5 |     |

## Main boom 174 ft

|             | Jib length in (ft) |      |      |      |      |     |     |     |
|-------------|--------------------|------|------|------|------|-----|-----|-----|
|             | 66                 | 95   | 135  | 174  | 203  | 233 | 272 | 312 |
| Radius (ft) | lbs                | lbs  | lbs  | lbs  | lbs  | lbs | lbs | lbs |
| 121.2       | 32.6               |      |      |      |      |     |     |     |
| 140         | 27.1               | 26.2 |      |      |      |     |     |     |
| 165         |                    | 21.0 | 19.8 |      |      |     |     |     |
| 170         |                    | 20.2 | 19.0 |      |      |     |     |     |
| 185         |                    |      | 16.8 | 15.5 |      |     |     |     |
| 205         |                    |      | 14.4 | 13.2 | 12.3 |     |     |     |
| 210         |                    |      | 13.8 | 12.7 | 11.8 |     |     |     |
| 220         |                    |      |      | 11.7 | 10.9 | 9.1 |     |     |
| 240         |                    |      |      | 10.1 | 9.3  | 7.7 | 5.6 |     |
| 245         |                    |      |      | 9.7  | 8.9  | 7.4 | 5.3 |     |
| 265         |                    |      |      |      | 7.6  | 6.2 | 4.2 | 2.2 |
| 275         |                    |      |      |      | 6.9  | 5.7 | 3.7 |     |
| 300         |                    |      |      |      |      | 4.6 | 2.7 |     |
| 305         |                    |      |      |      |      | 4.4 | 2.5 |     |
| 315         |                    |      |      |      |      |     | 2.1 |     |

## Main boom 184 ft

|             | Jib length in (ft) |      |      |      |      |      |     |     |
|-------------|--------------------|------|------|------|------|------|-----|-----|
|             | 66                 | 95   | 115  | 135  | 174  | 203  | 233 | 262 |
| Radius (ft) | lbs                | lbs  | lbs  | lbs  | lbs  | lbs  | lbs | lbs |
| 125.3       | 30.1               |      |      |      |      |      |     |     |
| 145         | 24.9               | 24.0 |      |      |      |      |     |     |
| 150         | 23.8               | 22.9 |      |      |      |      |     |     |
| 155         |                    | 22.0 | 21.2 |      |      |      |     |     |
| 165         |                    | 20.2 | 19.5 | 18.8 |      |      |     |     |
| 175         |                    | 18.5 | 17.9 | 17.4 |      |      |     |     |
| 190         |                    |      | 15.9 | 15.4 | 14.1 |      |     |     |
| 195         |                    |      | 15.3 | 14.8 | 13.5 |      |     |     |
| 205         |                    |      |      | 13.7 | 12.5 | 11.1 |     |     |
| 215         |                    |      |      | 12.7 | 11.5 | 10.3 |     |     |
| 225         |                    |      |      |      | 10.6 | 9.5  | 7.7 |     |
| 240         |                    |      |      |      | 9.4  | 8.5  | 6.8 | 5.3 |
| 250         |                    |      |      |      | 8.7  | 7.9  | 6.2 | 4.8 |
| 280         |                    |      |      |      |      | 6.1  | 4.7 | 3.3 |
| 310         |                    |      |      |      |      |      | 3.5 | 2.1 |

## Main boom 194 ft

|             | Jib length in (ft) |      |      |      |      |     |  |  |
|-------------|--------------------|------|------|------|------|-----|--|--|
|             | 66                 | 95   | 115  | 135  | 174  | 203 |  |  |
| Radius (ft) | lbs                | lbs  | lbs  | lbs  | lbs  | lbs |  |  |
| 129.5       | 27.8               |      |      |      |      |     |  |  |
| 150         | 22.9               | 22.0 |      |      |      |     |  |  |
| 160         |                    | 20.2 | 19.4 |      |      |     |  |  |
| 170         |                    | 18.5 | 17.8 | 17.2 |      |     |  |  |
| 180         |                    | 17.0 | 16.4 | 15.9 |      |     |  |  |
| 195         |                    |      | 14.6 | 14.1 | 12.5 |     |  |  |
| 200         |                    |      | 14.0 | 13.5 | 12.1 |     |  |  |
| 210         |                    |      |      | 12.5 | 11.2 | 9.7 |  |  |
| 215         |                    |      |      | 12.0 | 10.8 | 9.3 |  |  |
| 220         |                    |      |      |      | 10.4 | 8.9 |  |  |
| 240         |                    |      |      |      | 8.8  | 7.6 |  |  |
| 255         |                    |      |      |      | 7.8  | 6.7 |  |  |
| 260         |                    |      |      |      |      | 6.5 |  |  |
| 280         |                    |      |      |      |      | 5.5 |  |  |
| 285         |                    |      |      |      |      | 5.3 |  |  |

Capacities in 1000 lbs with luffing jib (No. 1916.xx) 178,600 lbs counterweight + 79,400 lbs carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

# Lift chart – luffing jib (No. 1916.xx)

Main boom angle 45°

## Main boom 66 ft

|             | Jib length in (ft) |      |      |      |      |      |     |     |
|-------------|--------------------|------|------|------|------|------|-----|-----|
|             | 66                 | 95   | 135  | 174  | 203  | 233  | 272 | 312 |
| Radius (ft) | lbs                | lbs  | lbs  | lbs  | lbs  | lbs  | lbs | lbs |
| 109.8       | 44.0               |      |      |      |      |      |     |     |
| 115         | 41.5               |      |      |      |      |      |     |     |
| 134         |                    | 33.7 |      |      |      |      |     |     |
| 145         |                    | 26.6 |      |      |      |      |     |     |
| 170         |                    |      | 23.9 |      |      |      |     |     |
| 180         |                    |      | 22.1 |      |      |      |     |     |
| 200         |                    |      |      | 18.1 |      |      |     |     |
| 220         |                    |      |      | 15.6 |      |      |     |     |
| 225         |                    |      |      |      | 14.4 |      |     |     |
| 250         |                    |      |      |      | 12.0 | 11.1 |     |     |
| 275         |                    |      |      |      |      | 9.2  |     |     |
| 280         |                    |      |      |      |      |      | 7.8 |     |
| 315         |                    |      |      |      |      |      | 5.7 | 4.7 |
| 355         |                    |      |      |      |      |      |     | 2.8 |

## Main boom 115 ft

|             | Jib length in (ft) |      |      |      |     |     |     |  |
|-------------|--------------------|------|------|------|-----|-----|-----|--|
|             | 66                 | 95   | 135  | 174  | 203 | 233 | 272 |  |
| Radius (ft) | lbs                | lbs  | lbs  | lbs  | lbs | lbs | lbs |  |
| 144.6       | 25.7               |      |      |      |     |     |     |  |
| 150         | 24.5               |      |      |      |     |     |     |  |
| 170         |                    | 19.9 |      |      |     |     |     |  |
| 180         |                    | 18.3 |      |      |     |     |     |  |
| 205         |                    |      | 14.1 |      |     |     |     |  |
| 215         |                    |      | 13.1 |      |     |     |     |  |
| 235         |                    |      |      | 10.1 |     |     |     |  |
| 255         |                    |      |      | 8.7  |     |     |     |  |
| 260         |                    |      |      |      | 7.6 |     |     |  |
| 280         |                    |      |      |      | 6.4 |     |     |  |
| 290         |                    |      |      |      |     | 4.9 |     |  |
| 310         |                    |      |      |      |     | 3.9 |     |  |
| 315         |                    |      |      |      |     |     | 2.3 |  |
| 320         |                    |      |      |      |     |     | 2.1 |  |

## Main boom 144 ft

|             | Jib length in (ft) |      |     |     |     |  |  |  |
|-------------|--------------------|------|-----|-----|-----|--|--|--|
|             | 66                 | 95   | 135 | 174 | 203 |  |  |  |
| Radius (ft) | lbs                | lbs  | lbs | lbs | lbs |  |  |  |
| 165.5       | 18.0               |      |     |     |     |  |  |  |
| 170         | 17.3               |      |     |     |     |  |  |  |
| 190         |                    | 13.8 |     |     |     |  |  |  |
| 200         |                    | 12.8 |     |     |     |  |  |  |
| 225         |                    |      | 9.4 |     |     |  |  |  |
| 235         |                    |      | 8.7 |     |     |  |  |  |
| 255         |                    |      |     | 6.1 |     |  |  |  |
| 275         |                    |      |     | 5.1 |     |  |  |  |
| 280         |                    |      |     |     | 4.0 |  |  |  |
| 305         |                    |      |     |     | 3.0 |  |  |  |

## Main boom 174 ft

|             | Jib length in (ft) |     |     |     |     |     |     |     |
|-------------|--------------------|-----|-----|-----|-----|-----|-----|-----|
|             | 66                 | 95  | 135 | 174 | 203 | 233 | 272 | 312 |
| Radius (ft) | lbs                | lbs | lbs | lbs | lbs | lbs | lbs | lbs |
| 186.4       | 11.9               |     |     |     |     |     |     |     |
| 190         | 11.5               |     |     |     |     |     |     |     |
| 215         |                    | 8.4 |     |     |     |     |     |     |
| 220         |                    | 8.1 |     |     |     |     |     |     |
| 245         |                    |     | 5.3 |     |     |     |     |     |
| 250         |                    |     | 5.0 |     |     |     |     |     |
| 255         |                    |     | 4.8 |     |     |     |     |     |
| 260         |                    |     | 4.5 |     |     |     |     |     |
| 280         |                    |     |     | 2.1 |     |     |     |     |
| 0           |                    |     |     |     |     |     |     |     |

## Main boom 184 ft

|             | Jib length in (ft) |     |     |     |  |  |  |  |
|-------------|--------------------|-----|-----|-----|--|--|--|--|
|             | 66                 | 95  | 115 | 135 |  |  |  |  |
| Radius (ft) | lbs                | lbs | lbs | lbs |  |  |  |  |
| 193.3       | 10.0               |     |     |     |  |  |  |  |
| 200         | 9.4                |     |     |     |  |  |  |  |
| 220         |                    | 7.0 |     |     |  |  |  |  |
| 225         |                    | 6.7 |     |     |  |  |  |  |
| 235         |                    |     | 5.4 |     |  |  |  |  |
| 245         |                    |     | 4.8 |     |  |  |  |  |
| 250         |                    |     |     | 4.0 |  |  |  |  |
| 265         |                    |     |     | 3.4 |  |  |  |  |

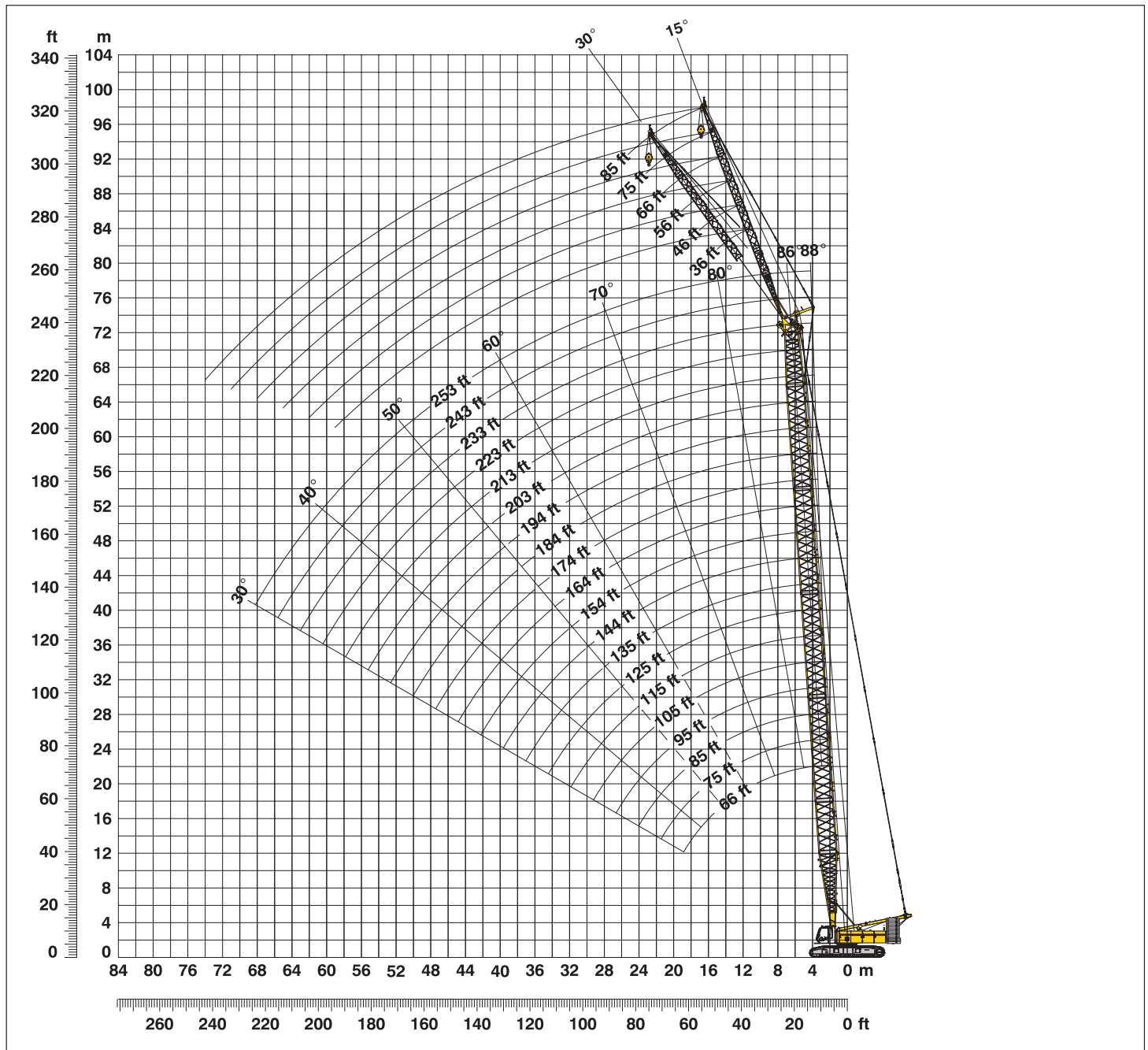
## Main boom 194 ft

|             | Jib length in (ft) |     |     |     |     |     |  |  |
|-------------|--------------------|-----|-----|-----|-----|-----|--|--|
|             | 66                 | 95  | 115 | 135 | 174 | 203 |  |  |
| Radius (ft) | lbs                | lbs | lbs | lbs | lbs | lbs |  |  |
| 200.3       | 8.3                |     |     |     |     |     |  |  |
| 205         | 8.0                |     |     |     |     |     |  |  |
| 225         |                    | 5.6 |     |     |     |     |  |  |
| 235         |                    | 5.1 |     |     |     |     |  |  |
| 245         |                    |     | 3.8 |     |     |     |  |  |
| 255         |                    |     | 3.4 |     |     |     |  |  |
| 260         |                    |     |     | 2.4 |     |     |  |  |
| 270         |                    |     |     | 2.0 |     |     |  |  |

Capacities in 1000 lbs with luffing jib (No. 1916.xx) 178,600 lbs counterweight + 79,400 lbs carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

# Working range - fixed jib (No. 1008.xx) 15° and 30°

## Main boom 88°- 30°



### Boom configuration for boom lengths (66 ft - 253 ft) – see table 1 on page 10

### Fixed jib configuration for fixed jib lengths (36 ft - 85 ft)

|                       | Length | Amount of fixed jib extensions |    |    |    |    |    |
|-----------------------|--------|--------------------------------|----|----|----|----|----|
| Fixed jib foot        | 18 ft  | 1                              | 1  | 1  | 1  | 1  | 1  |
| Fixed jib insert      | 10 ft* |                                | 1  |    | 1  |    | 1  |
| Fixed jib insert      | 20 ft* |                                |    | 1  | 1  | 2  | 2  |
| Fixed jib head        | 18 ft  | 1                              | 1  | 1  | 1  | 1  | 1  |
| Fixed jib length (ft) |        | 36                             | 46 | 56 | 66 | 75 | 85 |

\*Actual lengths of boom sections are metric (e.g. 3 m, 6 m). The figures shown above are approximate conversions to feet.

# Lift chart – fixed jib (No. 1008.xx)

Offset 15°

## Main boom 66 ft

|             | Fixed jib length in (ft) |      |      |      |
|-------------|--------------------------|------|------|------|
|             | 36                       | 46   | 66   | 85   |
| Radius (ft) | lbs                      | lbs  | lbs  | lbs  |
| 30          | 79.1                     |      |      |      |
| 35          | 79.1                     | 77.4 |      |      |
| 40          | 79.1                     | 75.1 | 66.3 | 51.2 |
| 50          | 78.9                     | 69.2 | 58.0 | 47.5 |
| 60          | 77.9                     | 64.2 | 49.3 | 41.3 |
| 70          | 71.7                     | 60.0 | 45.4 | 36.3 |
| 80          | 63.4                     | 53.8 | 40.2 | 32.6 |
| 90          | 57.5                     | 49.4 | 36.4 | 29.1 |
| 95          | 55.0                     | 47.6 | 34.6 | 27.7 |
| 105         |                          | 43.6 | 31.6 | 26.2 |
| 125         |                          |      | 27.4 | 22.5 |
| 145         |                          |      |      | 19.8 |

## Main boom 95 ft

|             | Fixed jib length in (ft) |      |      |      |
|-------------|--------------------------|------|------|------|
|             | 36                       | 46   | 66   | 85   |
| Radius (ft) | lbs                      | lbs  | lbs  | lbs  |
| 30          | 79.1                     | 79.1 |      |      |
| 35          | 79.1                     | 79.1 | 68.8 |      |
| 40          | 79.1                     | 77.1 | 67.1 | 50.7 |
| 60          | 78.9                     | 68.4 | 55.1 | 43.5 |
| 80          | 69.8                     | 60.7 | 45.2 | 35.2 |
| 90          | 59.6                     | 57.0 | 40.9 | 32.3 |
| 100         | 51.6                     | 50.5 | 37.6 | 29.5 |
| 110         | 45.2                     | 45.8 | 34.8 | 27.2 |
| 120         | 39.8                     | 40.5 | 32.3 | 26.3 |
| 130         |                          | 36.0 | 30.4 | 24.5 |
| 150         |                          |      | 27.3 | 21.9 |
| 170         |                          |      |      | 19.7 |

## Main boom 125 ft

|             | Fixed jib length in (ft) |      |      |      |
|-------------|--------------------------|------|------|------|
|             | 36                       | 46   | 66   | 85   |
| Radius (ft) | lbs                      | lbs  | lbs  | lbs  |
| 25          | 79.1                     | 79.1 |      |      |
| 35          | 79.1                     | 79.1 | 69.4 |      |
| 40          | 79.1                     | 79.1 | 68.5 | 49.5 |
| 60          | 79.1                     | 72.2 | 58.7 | 44.9 |
| 80          | 68.7                     | 65.7 | 48.5 | 37.7 |
| 100         | 50.5                     | 51.1 | 42.3 | 32.1 |
| 120         | 38.8                     | 39.4 | 36.9 | 27.7 |
| 140         | 30.6                     | 31.1 | 32.2 | 25.5 |
| 150         | 26.6                     | 27.9 | 28.9 | 24.1 |
| 160         |                          | 25.1 | 26.1 | 22.8 |
| 180         |                          |      | 21.3 | 20.9 |
| 200         |                          |      |      | 18.2 |

## Main boom 154 ft

|             | Fixed jib length in (ft) |      |      |      |
|-------------|--------------------------|------|------|------|
|             | 36                       | 46   | 66   | 85   |
| Radius (ft) | lbs                      | lbs  | lbs  | lbs  |
| 21.6        | 79.1                     |      |      |      |
| 30          | 79.1                     | 79.1 |      |      |
| 40          | 79.1                     | 78.5 | 66.4 |      |
| 45          | 79.1                     | 78.1 | 65.1 | 47.5 |
| 80          | 67.8                     | 67.5 | 50.4 | 39.3 |
| 120         | 37.8                     | 38.4 | 39.2 | 29.9 |
| 140         | 29.7                     | 30.2 | 31.2 | 26.6 |
| 160         | 23.8                     | 24.2 | 25.2 | 25.0 |
| 170         | 21.3                     | 21.7 | 22.6 | 23.4 |
| 180         |                          | 19.5 | 20.4 | 21.1 |
| 200         |                          |      | 16.6 | 17.3 |
| 220         |                          |      |      | 14.1 |

## Main boom 184 ft

|             | Fixed jib length in (ft) |      |      |      |
|-------------|--------------------------|------|------|------|
|             | 36                       | 46   | 66   | 85   |
| Radius (ft) | lbs                      | lbs  | lbs  | lbs  |
| 22.6        | 79.1                     |      |      |      |
| 30          | 79.1                     | 78.9 |      |      |
| 35          | 79.1                     | 78.3 | 65.2 |      |
| 45          | 79.1                     | 76.9 | 63.7 | 45.7 |
| 80          | 66.8                     | 67.7 | 54.2 | 39.7 |
| 120         | 36.7                     | 37.3 | 38.5 | 31.5 |
| 160         | 22.7                     | 23.2 | 24.1 | 24.9 |
| 180         | 18.0                     | 18.5 | 19.3 | 20.1 |
| 200         | 14.3                     | 14.7 | 15.6 | 16.3 |
| 205         |                          | 13.9 | 14.7 | 15.4 |
| 225         |                          |      | 11.7 | 12.4 |
| 245         |                          |      |      | 9.9  |

## Main boom 203 ft

|             | Fixed jib length in (ft) |      |      |      |
|-------------|--------------------------|------|------|------|
|             | 36                       | 46   | 66   | 85   |
| Radius (ft) | lbs                      | lbs  | lbs  | lbs  |
| 23.3        | 79.1                     |      |      |      |
| 30          | 79.1                     | 77.0 |      |      |
| 35          | 79.1                     | 76.6 | 62.0 |      |
| 45          | 79.1                     | 75.4 | 61.0 | 44.0 |
| 60          | 79.1                     | 73.2 | 58.4 | 42.4 |
| 100         | 47.7                     | 48.4 | 48.1 | 36.4 |
| 140         | 27.8                     | 28.3 | 29.4 | 29.2 |
| 180         | 17.3                     | 17.7 | 18.6 | 19.3 |
| 215         | 11.2                     | 11.6 | 12.4 | 13.1 |
| 225         |                          | 10.2 | 11.0 | 11.7 |
| 245         |                          |      | 8.5  | 9.2  |
| 265         |                          |      |      | 7.0  |

## Main boom 223 ft

|             | Fixed jib length in (ft) |      |      |      |
|-------------|--------------------------|------|------|------|
|             | 36                       | 46   | 66   | 85   |
| Radius (ft) | lbs                      | lbs  | lbs  | lbs  |
| 24          | 79.1                     |      |      |      |
| 30          | 79.1                     | 74.7 |      |      |
| 40          | 78.5                     | 73.5 | 58.5 |      |
| 45          | 77.9                     | 72.3 | 57.7 | 42.1 |
| 80          | 65.6                     | 65.0 | 50.4 | 38.8 |
| 120         | 35.3                     | 35.9 | 37.1 | 32.9 |
| 160         | 21.2                     | 21.7 | 22.7 | 23.5 |
| 200         | 12.9                     | 13.3 | 14.1 | 14.8 |
| 235         | 7.9                      | 8.3  | 9.1  | 9.7  |
| 245         |                          | 7.1  | 7.9  | 8.5  |
| 265         |                          |      | 5.7  | 6.4  |
| 285         |                          |      |      | 4.5  |

## Main boom 243 ft

|             | Fixed jib length in (ft) |      |      |      |
|-------------|--------------------------|------|------|------|
|             | 36                       | 46   | 56   | 66   |
| Radius (ft) | lbs                      | lbs  | lbs  | lbs  |
| 24.7        | 75.0                     |      |      |      |
| 30          | 74.7                     | 68.1 |      |      |
| 35          | 73.1                     | 67.7 | 61.3 |      |
| 40          | 71.8                     | 66.7 | 60.9 | 53.9 |
| 120         | 34.5                     | 35.2 | 35.9 | 36.4 |
| 160         | 20.4                     | 20.9 | 21.5 | 21.9 |
| 200         | 12.1                     | 12.5 | 13.0 | 13.4 |
| 240         | 6.6                      | 6.9  | 7.4  | 7.7  |
| 250         | 5.5                      | 5.8  | 6.2  | 6.6  |
| 260         |                          | 4.8  | 5.2  | 5.5  |
| 270         |                          |      | 4.2  | 4.5  |
| 280         |                          |      |      | 3.6  |

## Main boom 253 ft

|             | Fixed jib length in (ft) |      |  |  |
|-------------|--------------------------|------|--|--|
|             | 36                       | 46   |  |  |
| Radius (ft) | lbs                      | lbs  |  |  |
| 25          | 70.1                     |      |  |  |
| 30          | 70.0                     | 63.0 |  |  |
| 40          | 66.9                     | 61.8 |  |  |
| 80          | 57.9                     | 53.3 |  |  |
| 120         | 34.2                     | 34.9 |  |  |
| 160         | 20.1                     | 20.6 |  |  |
| 180         | 15.5                     | 15.9 |  |  |
| 200         | 11.8                     | 12.2 |  |  |
| 220         | 8.8                      | 9.2  |  |  |
| 240         | 6.3                      | 6.7  |  |  |
| 255         | 4.7                      | 5.0  |  |  |
| 265         |                          | 4.0  |  |  |

Capacities in 1000 lbs with fixed jib (No. 1008.xx) 178,600 lbs counterweight + 79,400 lbs carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

# Lift chart – fixed jib (No. 1008.xx)

Offset 30°

## Main boom 66 ft

|             | Fixed jib length in (ft) |      |      |      |
|-------------|--------------------------|------|------|------|
|             | 36                       | 46   | 66   | 85   |
| Radius (ft) | lbs                      | lbs  | lbs  | lbs  |
| 40          | 74.4                     | 62.0 |      |      |
| 50          | 65.4                     | 55.0 | 40.7 |      |
| 60          | 58.3                     | 49.6 | 36.0 | 28.9 |
| 70          | 53.0                     | 45.4 | 32.4 | 26.6 |
| 80          | 49.5                     | 41.6 | 29.7 | 24.8 |
| 90          | 46.9                     | 38.5 | 27.3 | 22.6 |
| 100         | 26.6                     | 36.4 | 26.4 | 20.8 |
| 110         |                          | 26.6 | 24.9 | 19.3 |
| 120         |                          |      | 23.9 | 18.1 |
| 130         |                          |      | 23.2 | 17.1 |
| 140         |                          |      |      | 16.4 |
| 150         |                          |      |      | 16.0 |

## Main boom 95 ft

|             | Fixed jib length in (ft) |      |      |      |
|-------------|--------------------------|------|------|------|
|             | 36                       | 46   | 66   | 85   |
| Radius (ft) | lbs                      | lbs  | lbs  | lbs  |
| 35          | 79.1                     |      |      |      |
| 40          | 78.8                     | 62.8 |      |      |
| 50          | 70.9                     | 58.0 | 41.3 |      |
| 60          | 63.8                     | 52.2 | 37.6 | 29.3 |
| 80          | 54.2                     | 45.8 | 31.6 | 25.5 |
| 90          | 51.5                     | 42.6 | 29.6 | 24.1 |
| 100         | 48.9                     | 40.2 | 27.6 | 22.2 |
| 110         | 45.6                     | 38.0 | 26.6 | 20.9 |
| 120         | 40.1                     | 36.5 | 25.8 | 19.6 |
| 130         |                          | 35.4 | 24.7 | 18.6 |
| 150         |                          |      | 23.4 | 16.9 |
| 170         |                          |      |      | 16.2 |

## Main boom 125 ft

|             | Fixed jib length in (ft) |      |      |      |
|-------------|--------------------------|------|------|------|
|             | 36                       | 46   | 66   | 85   |
| Radius (ft) | lbs                      | lbs  | lbs  | lbs  |
| 30          | 79.1                     |      |      |      |
| 40          | 79.1                     | 64.9 |      |      |
| 50          | 74.1                     | 62.0 | 42.7 |      |
| 60          | 68.3                     | 56.6 | 39.1 | 29.2 |
| 80          | 58.9                     | 49.8 | 34.0 | 26.3 |
| 100         | 51.2                     | 44.5 | 30.1 | 23.5 |
| 120         | 39.3                     | 40.0 | 27.0 | 20.9 |
| 140         | 30.9                     | 31.6 | 25.6 | 18.9 |
| 150         | 27.5                     | 28.2 | 25.0 | 18.1 |
| 160         |                          | 25.3 | 24.4 | 17.4 |
| 180         |                          |      | 21.5 | 16.4 |
| 200         |                          |      |      | 16.0 |

## Main boom 154 ft

|             | Fixed jib length in (ft) |      |      |      |
|-------------|--------------------------|------|------|------|
|             | 36                       | 46   | 66   | 85   |
| Radius (ft) | lbs                      | lbs  | lbs  | lbs  |
| 30.3        | 79.1                     |      |      |      |
| 40          | 78.9                     | 63.7 |      |      |
| 50          | 77.2                     | 60.8 | 42.0 |      |
| 65          | 69.1                     | 55.0 | 37.7 | 28.5 |
| 80          | 62.3                     | 50.6 | 34.3 | 26.6 |
| 120         | 38.5                     | 39.3 | 28.0 | 21.5 |
| 140         | 30.1                     | 30.8 | 26.6 | 19.6 |
| 160         | 24.1                     | 24.7 | 25.2 | 18.2 |
| 175         | 20.3                     | 20.9 | 22.0 | 17.2 |
| 185         |                          | 18.7 | 19.8 | 16.7 |
| 205         |                          |      | 15.9 | 16.0 |
| 225         |                          |      |      | 13.6 |

## Main boom 184 ft

|             | Fixed jib length in (ft) |      |      |      |
|-------------|--------------------------|------|------|------|
|             | 36                       | 46   | 66   | 85   |
| Radius (ft) | lbs                      | lbs  | lbs  | lbs  |
| 31.3        | 79.1                     |      |      |      |
| 40          | 79.1                     | 65.3 |      |      |
| 50          | 77.6                     | 63.1 | 42.3 |      |
| 65          | 70.8                     | 58.1 | 39.0 | 28.7 |
| 80          | 64.8                     | 53.4 | 35.7 | 26.6 |
| 120         | 37.5                     | 38.4 | 29.7 | 22.6 |
| 160         | 23.1                     | 23.7 | 25.0 | 19.2 |
| 180         | 18.3                     | 18.9 | 20.0 | 18.1 |
| 200         | 14.5                     | 15.0 | 16.0 | 17.0 |
| 210         |                          | 13.3 | 14.3 | 15.2 |
| 230         |                          |      | 11.2 | 12.2 |
| 250         |                          |      |      | 9.5  |

## Main boom 203 ft

|             | Fixed jib length in (ft) |      |      |      |
|-------------|--------------------------|------|------|------|
|             | 36                       | 46   | 66   | 85   |
| Radius (ft) | lbs                      | lbs  | lbs  | lbs  |
| 32          | 79.1                     |      |      |      |
| 40          | 79.1                     | 64.9 |      |      |
| 55          | 76.2                     | 61.6 | 41.6 |      |
| 65          | 71.7                     | 58.8 | 39.2 | 28.5 |
| 100         | 48.9                     | 49.1 | 33.1 | 25.1 |
| 140         | 28.5                     | 29.2 | 28.2 | 21.2 |
| 180         | 17.7                     | 18.2 | 19.4 | 18.6 |
| 200         | 13.8                     | 14.3 | 15.4 | 16.4 |
| 215         | 11.4                     | 11.9 | 12.9 | 13.8 |
| 225         |                          | 10.4 | 11.4 | 12.3 |
| 245         |                          |      | 8.7  | 9.6  |
| 265         |                          |      |      | 7.2  |

## Main boom 223 ft

|             | Fixed jib length in (ft) |      |      |      |
|-------------|--------------------------|------|------|------|
|             | 36                       | 46   | 66   | 85   |
| Radius (ft) | lbs                      | lbs  | lbs  | lbs  |
| 32.7        | 76.5                     |      |      |      |
| 40          | 76.2                     | 62.4 |      |      |
| 55          | 72.1                     | 59.8 | 41.6 |      |
| 65          | 68.6                     | 57.1 | 39.4 | 28.2 |
| 100         | 48.4                     | 48.3 | 33.5 | 25.4 |
| 140         | 27.9                     | 28.6 | 28.8 | 21.6 |
| 180         | 17.0                     | 17.6 | 18.8 | 19.0 |
| 220         | 10.1                     | 10.6 | 11.6 | 12.5 |
| 235         | 8.1                      | 8.5  | 9.5  | 10.3 |
| 245         |                          | 7.3  | 8.2  | 9.0  |
| 265         |                          |      | 5.9  | 6.7  |
| 285         |                          |      |      | 4.6  |

## Main boom 243 ft

|             | Fixed jib length in (ft) |      |      |      |
|-------------|--------------------------|------|------|------|
|             | 36                       | 46   | 56   | 66   |
| Radius (ft) | lbs                      | lbs  | lbs  | lbs  |
| 33.4        | 68.9                     |      |      |      |
| 40          | 68.6                     | 58.4 |      |      |
| 50          | 66.7                     | 57.3 | 49.4 |      |
| 55          | 65.1                     | 56.4 | 48.1 | 41.2 |
| 100         | 47.7                     | 46.3 | 39.4 | 33.8 |
| 140         | 27.2                     | 28.0 | 28.8 | 29.3 |
| 180         | 16.3                     | 16.9 | 17.6 | 18.1 |
| 220         | 9.4                      | 9.9  | 10.4 | 10.9 |
| 250         | 5.6                      | 6.0  | 6.5  | 6.9  |
| 260         |                          | 4.9  | 5.4  | 5.8  |
| 270         |                          |      | 4.4  | 4.7  |
| 280         |                          |      |      | 3.7  |

## Main boom 253 ft

|             | Fixed jib length in (ft) |      |  |  |
|-------------|--------------------------|------|--|--|
|             | 36                       | 46   |  |  |
| Radius (ft) | lbs                      | lbs  |  |  |
| 33.7        | 65.6                     |      |  |  |
| 40          | 65.4                     | 55.8 |  |  |
| 60          | 60.8                     | 52.0 |  |  |
| 100         | 47.5                     | 44.9 |  |  |
| 140         | 26.9                     | 27.7 |  |  |
| 160         | 20.8                     | 21.5 |  |  |
| 180         | 16.1                     | 16.7 |  |  |
| 200         | 12.2                     | 12.8 |  |  |
| 220         | 9.1                      | 9.6  |  |  |
| 240         | 6.5                      | 7.0  |  |  |
| 260         | 4.3                      | 4.7  |  |  |
| 270         |                          | 3.7  |  |  |

Capacities in 1000 lbs with fixed jib (No. 1008.xx) 178,600 lbs counterweight + 79,400 lbs carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.



# Notice

