## 355 HC-L 16/32 Litronic MEBHERR Luffing Boom Tower Crane



## Radius and Hoisting Heights



* NOTE: Out of operation boom position from $15^{\circ}$ to $70^{\circ}$. Out of operation boom position dependent on boom length and number of tower sections installed.


## Tower Heights

| Configuration I |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Tower Base <br> Components | 540 HC-L <br> on 40'-9" (12.42m) base section |  |  |  | $\frac{1^{\prime}-2^{\prime \prime}\left(9^{\prime}-2^{\prime \prime}\right)^{*}}{4 \mathrm{~m}(2.8 \mathrm{~m})}$ |  |
| No. of Tower |  |  | Boom | Length |  |  |
| Sections | $98 \mathrm{ft} \rightarrow 131 \mathrm{ft}$ | $30 \mathrm{~m} \rightarrow 40 \mathrm{~m}$ | $148 \mathrm{ft} \rightarrow 164 \mathrm{ft}$ | $45 \mathrm{~m} \rightarrow 50 \mathrm{~m}$ | $180 \mathrm{ft} \rightarrow 197 \mathrm{ft}$ | $55 \mathrm{~m} \rightarrow 60 \mathrm{~m}$ |
| 0 | 41.7 ft | 12.7m | 41.7 ft | 12.7 m | 41.7 ft | 12.7 m |
| 1 | 60.7 ft | 18.5m | 60.7 ft | 18.5m | 60.7 ft | 18.5m |
| 2 | 79.7 ft | 24.3m | 79.7 ft | 24.3m | 79.7 ft | 24.3 m |
| 3 | 98.8 ft | 30.1m | 98.8 ft | 30.1 m | 98.8 ft | 30.1 m |
| 4 | 117.8 ft | 35.9m | 117.8 ft | 35.9 m | 117.8 ft | 35.9 m |
| 5 | 136.8 ft | 41.7 m | 136.8 ff | 41.7 m | 136.8 ft | 41.7 m |
| 6 | 155.8 ft | 47.5m | 155.8 ft | 47.5 m | 155.8 ft | 47.5m |
| 7 | 174.9 ft | 53.3m | 174.9 ft | 53.3m | $174.9 \mathrm{ft}^{1}$ | 53.3m |
| 8 | 193.9 ft | 59.1m | 193.9 ft | 59.1m | $193.9 \mathrm{ft}^{\prime}$ | $59.1 \mathrm{~m}^{1}$ |
| 9 | 212.9 ft | 64.9m | $212.9 \mathrm{ft}^{\prime}$ | $64.9 \mathrm{~m}^{1}$ | - | - |
| 10 | $231.9 \mathrm{ft}^{1}$ | $70.7 \mathrm{~m}^{1}$ | - | - | - | - |


| Configuration \|| |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Tower Base Components | Std. Tow | 550 <br> r sec | HC ion |  |  | $\frac{11 '-2 "(9}{3.4 m(2.8}$ | $\frac{2^{\prime \prime}}{(2)}$ |  |
|  | Boom Length |  |  |  |  |  |  |  |
| Sections | $\begin{aligned} & 98 \mathrm{ft} \rightarrow \\ & 115 \mathrm{ft} \end{aligned}$ | $\begin{gathered} 30 \mathrm{~m} \rightarrow \\ 35 \mathrm{~m} \end{gathered}$ | $\begin{gathered} 131 \mathrm{ft} \\ 148 \mathrm{ft} \end{gathered}$ | $\begin{gathered} 40 \mathrm{~m} \rightarrow \\ 45 \mathrm{~m} \end{gathered}$ | $\begin{aligned} & 164 \mathrm{ft} \rightarrow \\ & 180 \mathrm{ft} \end{aligned}$ | $\begin{gathered} 50 \mathrm{~m} \rightarrow \\ 55 \mathrm{~m} \end{gathered}$ | 197 ft | 60 m |
| 0 | 1.3 ft | 0.4 m | 1.3 ft | 0.4 m | 1.3 ft | 0.4 m | 1.3 ft | 0.4m |
| 1 | 20.3 ft | 6.2m | 20.3 ft | 6.2m | 20.3 ft | 6.2m | 20.3 ft | 6.2m |
| 2 | 39.4 ft | 12 m | 39.4 ft | 12 m | 39.4 ft | 12 m | 39.4 ft | 12m |
| 3 | 58.4 ft | 17.8m | 58.4 ft | 17.8m | 58.4 ft | 17.8m | 58.4 ft | 17.8m |
| 4 | 77.4 ft | 23.6 m | 77.4 ft | 23.6 m | 77.4 ft | 23.6 m | 77.4 ft | 23.6 m |
| 5 | 96.5 ft | 29.4m | 96.5 ft | 29.4 m | 96.5 ft | 29.4 m | 96.5 ft | 29.4m |
| 6 | 115.5 ft | 35.2 m | 115.5 ft | 35.2 m | 115.5 ft | 35.2m | 115.5 ft | 35.2 m |
| 7 | 134.5 ft | 41m | 134.5 ft | 41m | 134.5 ft | 41 m | 134.5 ft | 41m |
| 8 | 153.5 ft | 46.8 m | 153.5 ft | 46.8 m | 153.5 ft | 46.8 m | $153.5{ }^{\text {f ft }}$ | $46.8 \mathrm{~m}^{1}$ |
| 9 | 172.6 ft | 52.6 m | 172.6 ft | 52.6 m | $172.6{ }^{\prime} \mathrm{ft}$ | $52.6 \mathrm{~m}^{1}$ | - | - |
| 10 | 191.6 ft | 58.4m | $191.6 \mathrm{ft}^{1}$ | $58.4 \mathrm{~m}^{1}$ | - | - | - | - |
| 11 | $210.6 \mathrm{ft}^{\text {1 }}$ | $64.2 \mathrm{~m}^{1}$ | - | - | - | - | - | - |

NOTE: 'Lower top climbing unit to base of tower prior to operating crane.
Alternate tower combinations are possible.
Consult crane Operation Manual before erecting, operating, servicing, climbing or dismantling crane.


## Climbing Inside Structure



NOTE: The inside climbing views shown above are examples of a typical installation. Please note, however, that factors determining installation may vary due to job site specific conditions.

PLAN VIEW - showing tail swing radius for crane configuration using steel counterweights.


TAIL SWING
RADIUS
(Steel counterweights)
*NOTE Allow for clearance between crane machine deck and any adjacent structure when climbing crane up or down. This view illustrates minimum crane-to-structure clearances for both sides of machine deck.


## CLEARANCE REQUIREMENTS

Plan view

## Radius and capacities one-part operation

| m |  | $\mathrm{m} / \mathrm{kg}$ | m/kg |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 30,0 | 32,5 | 35,0 | 37,5 | 40,0 | 42,5 | 45,0 | 47,5 | 50,0 | 52,5 | 55,0 | 57,5 | 60,0 |
| 60,0 | $0-$ |  | $\begin{aligned} & 4,0-28,2 \\ & 16000 \end{aligned}$ | 14600 | 12940 | 11530 | 10330 | 9290 | 8380 | 7580 | 6870 | 6230 | 5650 | 5130 | 4650 | 4200 |
| 55,0 | 0 | $\begin{aligned} & 4,0-30,7 \\ & 16000 \end{aligned}$ | 16000 | 14640 | 13010 | 11600 | 10390 | 9330 | 8390 | 7560 | 6810 | 6130 | 5500 |  |  |
| 50,0 | 0 | $\begin{aligned} & 4,0-32,9 \\ & 16000 \end{aligned}$ | 16000 | 16000 | 14450 | 12840 | 11450 | 10230 | 9150 | 8190 | 7300 |  |  |  |  |
| 45,0 | $\cdots$ | $\begin{aligned} & 4,0-35,2 \\ & 16000 \end{aligned}$ | 16000 | 16000 | 16000 | 14200 | 12480 | 10970 | 9600 |  |  |  |  |  |  |
| 40,0 | $\cdots$ | $\begin{aligned} & 4,0-37,2 \\ & \mathbf{1 6 0 0 0} \end{aligned}$ | 16000 | 16000 | 16000 | 15660 | 13000 |  |  |  |  |  |  |  |  |
| 35,0 | C- | $\begin{aligned} & 4,0-35,0 \\ & 16000 \end{aligned}$ | 16000 | 16000 | 16000 |  |  |  |  |  |  |  |  |  |  |
| 30,0 | c | $\begin{aligned} & 4,0-30,0 \\ & 16000 \end{aligned}$ | 16000 |  |  |  |  |  |  |  |  |  |  |  |  |

## Radius and capacities two-part operation

| m |  | m/kg | m/kg |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 15,0 | 18,0 | 21,0 | 24,0 | 27,0 | 30,0 | 32,0 | 35,0 | 37,0 | 40,0 | 42,0 | 45,0 | 47,0 | 50,0 | 52,0 | 55,0 |
| 55,0 | $\cdots$ |  | $\begin{aligned} & 4,0-12,6 \\ & 32000 \end{aligned}$ | 25380 | 19990 | 16340 | 13720 | 11740 | 10190 | 9330 | 8240 | 7620 | 6810 | 630 | 5710 | 5340 | 4840 | 4540 | $\begin{aligned} & 54,4 \mathrm{~m} \\ & \mathbf{4 2 0 0} \end{aligned}$ |
| 50,0 | $c-\square$ | $\begin{aligned} & 4,0-13,7 \\ & 32000 \end{aligned}$ | 28410 | 22430 | 18390 | 15480 | 13280 | 11560 | 10600 | 9390 | 8700 | 7800 | 7280 | 6580 | 6160 | $\begin{gathered} 49,4 \mathrm{~m} \\ \mathbf{5 7 0 0} \end{gathered}$ |  |  |
| 45,0 | $\cdots$ | $\begin{aligned} & 4,0-14,9 \\ & 32000 \end{aligned}$ | 31730 | 25120 | 20650 | 17430 | 15000 | 13090 | 12040 | 10700 | 9030 | 8930 | 8340 | $\begin{array}{\|c\|} 44,4 \mathrm{~m} \\ \mathbf{7 / 0 0} \end{array}$ |  |  |  |  |
| 40,0 | - -1 | $\begin{aligned} & 4,0-15,8 \\ & 32000 \end{aligned}$ | 32000 | 27180 | 22460 | 19050 | 16480 | 14460 | 13340 | 11910 | 11090 | $\begin{aligned} & 39,4 \mathrm{~m} \\ & \mathbf{1 0 2 0 0 0} \end{aligned}$ |  |  |  |  |  |  |
| 35,0 | $c \in$ | $\begin{aligned} & 4,0-16,6 \\ & 32000 \end{aligned}$ | 32000 | 28980 | 24040 | 20470 | 17770 | 15650 | 14480 | $13200$ |  |  |  |  |  |  |  |  |
| 30,0 | $\bigcirc$ | $\begin{aligned} & 4,0-17,5 \\ & 32000 \end{aligned}$ | 32000 | 30920 | 25650 | 21830 | 18920 | $\begin{aligned} & 29,4 \mathrm{~m} \\ & 17000 \end{aligned}$ |  |  |  |  |  |  |  |  |  |  |

IMPORTANT: Litronic® cranes are equipped with Liebherr's state of the art PLC system that provides precise monitoring, control and coordi-nation of all crane functions.

## Counterweights (Steel)

| Boom length | 197' - 115' (60m-35m) | 98' (30m) |
| :---: | :---: | :---: |
| No. of counterweights required | $7 \times$ (1) $+1 \times$ (2) $+1 \times$ (3) | $6 \times(1)+1 \times$ (2) $+1 \times$ (3) |
| Total weight | 92,810 lbs | 82,010 lbs |
| Total weight | 42100 kg | 37200 kg |
|  |  |  |

*IMPORTANT: Six (6) counterweights must be installed and secured before the boom is attached. Ballast blocks (2) with fastening plates secured in the openings shown must be in the sixth position.

NOTE: Weights of the steel counterweight blocks are: (1) $=10,800 \mathrm{lbs}(4900 \mathrm{~kg}),(2)=10,800 \mathrm{lbs}(4900 \mathrm{~kg})$ and (3) $=6,390 \mathrm{lbs}(2900 \mathrm{~kg})$ each.

Block type 2 is installed after placing the first five type 1 blocks. Block type 2 has two fastening plates that bolt the six initial counterweight blocks to the gear platform prior to attaching the boom. Once the boom is installed, the rest of the counterweight blocks are to be added.

Counterweight figures displayed in the chart above are for crane with hoist unit WiW 300 VZ 412 . If another hoist unit is installed, refer to the $355 \mathrm{HC}-\mathrm{L}$ 16 Operation Manual for information.

for counterweight Block type 2
(see Note this page.)

## Tie-in details

IMPORTANT: Please consult crane operation manual before erecting, operating, climbing, servicing and dismantling.



D


TIE-IN ASSEMBLY
Plan View
NOTE: The tie-in assembly shown is an example of a typical installation. Please note, however, that factors determining the installation of tie-in assemblies may vary due to project specific conditions.
with $\mathbf{5 5 0} \mathbf{~ H C ~ T o w e r ~}$
Tied to structure with 1 tie-in

Tower sections permitted with 1 tie-in **

| Boom Length | 197' (60m) | 180' (55m) | 164' (50m) | 148' (45m) | 131' (40m) | 115' (35m) | 98' (30m) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Above top tie-in (E) | 7 max-3 min | 7 max-3 min | 8 max-3 min | 8 max-3 min | 9 max-3 min | 9 max-3 min | 10 max -3 min |
| Base to lst tie-in (D) | 9 max-4 min | 9 max-4 min | 9 max-4 min | 9 max-4 min | 9 max-4 min | 9 max-4 min | 9 max-4 min |

Tower sections permitted with 2 or more tie-ins**

| Boom Length | 197' (60m) | 180' (55m) | 164' (50m) | 148' (45m) | 131' (40m) | 115' (35m) | 98' (30m) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Above top tie-in (C) | 6 max-3 min | 7 max-3 min | 7 max-3 min | 8 max-3 min | 8 max-3 min | 9 max-3 min | 9 max-3 min |
| Between tie-ins (B) | 9 max-4 min | 9 max-4 min | 9 max-4 min | 9 max-4 min | 9 max-4 min | 9 max-4 min | 9 max-4 min |
| Base to lst tie-in (A) |  |  |  |  |  |  |  |

with 550 HC tower
Tied to structure with two or more tie-ins

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## Foundation details on concrete footing



## Undercarriage defails on rail-travelling undercarriage



NOTE: For information regarding rail-travelling, static undercarriages and central ballast configurations, see 357 HC-L Litronic Operation Manual.

## Hoist speed and capacity

| Hoist Unit WiW 300 VZ 412 | 1-Part Line |  |  |
| :---: | :---: | :---: | :---: |
| 147 hp ( 110 kW ) AC hoist unit Variable frequency drive 3 -speed gearbox Electromagnetic gear shifting | Speed | Capacity | Line Speed |
|  | 1 | up to $16,000 \mathrm{~kg}$ <br> up to $7,500 \mathrm{~kg}$ | @ $34 \mathrm{~m} / \mathrm{min}$ <br> @ $62 \mathrm{~m} / \mathrm{min}$ |
|  | 2 | up to $8,900 \mathrm{~kg}$ up to $3,600 \mathrm{~kg}$ | @ $58 \mathrm{~m} / \mathrm{min}$ <br> @106 m/min |
|  | 3 | up to $4,700 \mathrm{~kg}$ up to $1,000 \mathrm{~kg}$ | @ $97 \mathrm{~m} / \mathrm{min}$ <br> @ $171 \mathrm{~m} / \mathrm{min}$ |
|  | 2-Part Line |  |  |
|  | 1 | up to $32,000 \mathrm{~kg}$ up to $15,500 \mathrm{~kg}$ | @ $17 \mathrm{~m} / \mathrm{min}$ <br> @ $31 \mathrm{~m} / \mathrm{min}$ |
|  | 2 | up to $18,300 \mathrm{~kg}$ up to $8,000 \mathrm{~kg}$ | @ $29 \mathrm{~m} / \mathrm{min}$ <br> @ $53 \mathrm{~m} / \mathrm{min}$ |
| $\begin{aligned} & \text { IP-4L435 } \\ & 2 P-4 L 217 \end{aligned}$ | 3 | up to $10,000 \mathrm{~kg}$ up to $3,900 \mathrm{~kg}$ | @ $49 \mathrm{~m} / \mathrm{min}$ <br> @ $88 \mathrm{~m} / \mathrm{min}$ |

NOTE: Capacities and line speeds indicated will vary depending on the amount of hoist rope installed. This crane model may be equipped with a hoist unit other than that specified in the data above. To verify, check the serial number of the crane and refer to the Liebherr 355 HC-L Operation Manual for additional information.

## Motor information

| Drive Unit | Horsepower | Kilowatts | Speed* |
| :--- | :---: | :---: | :---: |
| Luffing* (VFD) | 147 hp | 110 kW | 1.7 min |
| Swing (VFD) | $2 \times 10 \mathrm{hp}$ | $2 \times 7.5 \mathrm{~kW}$ | 0.7 rpm |
| Rail travelling | Information available upon request |  |  |

* NOTE: Luffing speed shown is for a typical working range of $15^{\circ}$ to $75^{\circ}$ with load. Luffing speeds are variable. Factors such as hook load, boom length will affect speed.


## Power requirements

Power supply: 3-phase; 3-wire plus ground; no Neutral.
480 V phase-phase, 277 V each phase to ground with $120^{\circ}$ phase shift between phases.
Service size: 300 Amperes

## NOTES:

1. For electric power provided by an electric utility, do not use open Delta transformers.
2. For electric power provided by a generator, the minimum generator size required is 350 kW . Verify the generator provided is suitable for use with variable frequency drives (VFDs). A properly sized generator is critical to the safe operation of the crane.

## Component List

| Description | Dimensions | Weight | Description |  | Dimensions | Weight |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Slewing Ring Support | $\begin{aligned} & 9^{\prime}-6^{\prime \prime} \times 8^{\prime} \cdot 11^{\prime \prime} \times 7^{\prime}-1 "^{\prime \prime} \\ & 2.9 \mathrm{~m} \times 2.7 \mathrm{~mm} .15 \end{aligned}$ | $\begin{aligned} & 9,410 \mathrm{lbs} \\ & 4270 \mathrm{~kg} \end{aligned}$ | $\begin{aligned} & \text { Butt Section (1) } \\ & 611 \end{aligned}$ | $\frac{\square}{\mathrm{N}}$ | $\begin{aligned} & 32^{\prime}-6 " \times 6^{\prime}-3^{\prime \prime} \times 6^{\prime}-3^{\prime \prime} \\ & 9.91 \mathrm{~m} \times 1.9 \mathrm{~m} \times 1.9 \mathrm{~m} \end{aligned}$ | $\begin{aligned} & 5,620 \mathrm{lbs} \\ & 2550 \mathrm{~kg} \\ & \hline \end{aligned}$ |
| $\begin{aligned} & \text { Connection Brackets (4) } \\ & \text { (each) } \end{aligned} \frac{\frac{\square}{L}}{\frac{P_{1}^{T}}{w}}$ | $\begin{gathered} 3^{\prime} \cdot 8^{\prime \prime \prime} \times 2^{\prime} \cdot 44^{\prime \prime} \times 10^{\prime \prime} \\ 1.13 \mathrm{~m} \times 0.7 \mathrm{~m} \times .2 \mathrm{~m} \end{gathered}$ | $\begin{aligned} & 470 \mathrm{lbs} \\ & 215 \mathrm{~kg} \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Boom Section (2) } \\ & 612 \end{aligned}$ | $\frac{\square \Delta \Delta /{ }_{-1}}{\square} I^{H}$ | $29 '-4$＂$\times 6^{\prime}-3$＂$\times 6^{\prime}-111^{\prime \prime}$ <br> $8.95 \mathrm{~m} \times 1.9 \mathrm{~m} \times 2.1 \mathrm{~m}$ | $\begin{aligned} & 4,670 \mathrm{lbs} \\ & 2120 \mathrm{~kg} \\ & \hline \end{aligned}$ |
| Slewing Plafform＇ <br> plus swing motors | $\begin{aligned} & 9^{\prime}-88^{\prime \prime} \times 7^{\prime}-55^{\prime \prime} \times 6^{\prime}-11 "^{\prime \prime} \\ & 2.95 \mathrm{~m} \times 2.27 \mathrm{~m} \times 1.85 \mathrm{c} \end{aligned}$ | $\begin{gathered} 16,250 \mathrm{lbs} \\ 7370 \mathrm{~kg} \end{gathered}$ | $\begin{aligned} & \text { Boom Section (3) } \\ & 621 \end{aligned}$ | $\triangle A M N \mathbb{N} \quad \square I^{H}$ | $34^{\prime}-9$＂$\times 6^{\prime}-3$＂$\times 6^{\prime}-11{ }^{\prime \prime}$ <br> $10.6 \mathrm{~m} \times 1.9 \mathrm{~m} \times 2.1 \mathrm{~m}$ | $\begin{aligned} & 4,960 \mathrm{lbs} \\ & 2250 \mathrm{~kg} \end{aligned}$ |
| Machine Deck <br> with lectrical panels | 22 ＇－8＂x 7＇－3＂$\times 8^{\prime}-0{ }^{\prime \prime}$ <br> $6.9 \mathrm{~m} \times 2.22 \mathrm{~m} \times 2.45 \mathrm{~m}$ | $\begin{gathered} 19,180 \mathrm{lbs} \\ 8700 \mathrm{~kg} \end{gathered}$ | $\begin{aligned} & \text { Boom Section (4) } \\ & 631 \end{aligned}$ |  | $34^{\prime}-9^{\prime \prime} \times 6^{\prime}-3^{\prime \prime} \times 6^{\prime}-3^{\prime \prime}$ <br> $10.6 \mathrm{~m} \times 1.9 \mathrm{~m} \times 1.9 \mathrm{~m}$ | $\begin{aligned} & 3,640 \mathrm{lbs} \\ & 1650 \mathrm{~kg} \end{aligned}$ |
| Hoist Gear ${ }^{2}$ <br> 147 hp （ 110 kW ） | $\begin{aligned} & 10^{\prime}-66^{\prime \prime} \times 8^{\prime}-0 " \times 5^{\prime}-9 " \\ & 3.2 \mathrm{~m} \times 2.45 \mathrm{~m} \times 1.75 \mathrm{~m} \end{aligned}$ | $\begin{gathered} 14,990 \mathrm{lbs} \\ 6800 \mathrm{~kg} \end{gathered}$ | $\begin{aligned} & \text { Boom Section (5) } \\ & 622 \end{aligned}$ |  | $18^{\prime}-00^{\prime \prime} \times 6^{\prime}-3^{\prime \prime} \times 6^{\prime}-33^{\prime \prime}$ <br> $5.5 \mathrm{~m} \times 1.9 \mathrm{~m} \times 1.9 \mathrm{~m}$ | 1，980 lbs 900 kg |
| Luffing Gear（w／wire rope） 147 hp （110 kW） | $9^{\prime}-2^{\prime \prime} \times 7^{\prime}-33^{\prime \prime} \times 5^{\prime}-3^{\prime \prime}$ <br> $2.8 \mathrm{~m} \times 2.2 \mathrm{~m} \times 1.6 \mathrm{~m}$ | $\begin{aligned} & 11020 \mathrm{lbs} \\ & 5000 \mathrm{~kg} \end{aligned}$ | Tip Section（6） 641 | MANV国 | $36^{\prime}-5 " \times 6^{\prime}-7$＂$\times 6^{\prime}-11{ }^{\prime \prime}$ <br> $11.1 \mathrm{~m} \times 2 \mathrm{~m} \times 2.1 \mathrm{~m}$ | $\begin{aligned} & 6,720 \mathrm{lbs} \\ & 3050 \mathrm{~kg} \end{aligned}$ |
| Operator＇s Cab with access plaform | $17^{\prime}-55^{\prime \prime} \times 6^{\prime}-3^{\prime \prime} \times 8^{\prime}-55^{\prime \prime}$ <br> $5.3 \mathrm{~m} \times 1.9 \mathrm{~m} \times 2.57 \mathrm{~m}$ | $\begin{aligned} & 3,640 \mathrm{lbs} \\ & 1650 \mathrm{~kg} \end{aligned}$ | Top Climbing Unit ${ }^{4}$ Panels（2） |  | $\begin{gathered} 41^{\prime}-44^{\prime} \times 9^{\prime}-8 " \times 55^{\prime}-9 " \\ 12.6 \mathrm{~m} \times 2.95 \mathrm{~m} \times 1.7 \mathrm{~m} \end{gathered}$ | $\begin{gathered} 17,415 \mathrm{lbs} \\ 7900 \mathrm{~kg} \end{gathered}$ |
| Plafforms（3）for machine deck | $18^{\prime}-11^{\prime \prime} \times 3^{\prime}-7{ }^{\prime \prime} \times 6^{\prime}-1$ 1＂ <br> $5.5 \mathrm{~m} \times 1.1 \mathrm{~m} \times 1.85 \mathrm{~m}$ | $\begin{gathered} 1,650 \mathrm{lbs} \\ 750 \mathrm{~kg} \end{gathered}$ | Top Climbing Unit ${ }^{4}$ Hydraulis／ett． | 苛 匐 | $8^{\prime}-66^{\prime \prime} \times 4^{\prime}-11 " \times 22^{\prime}-0 "$ <br> $2.6 \mathrm{~m} \times 1.5 \mathrm{~m} \times 0.6 \mathrm{~m}$ | 6，830 lbs <br> 3100 kg |
|  | $39 '-3 " \times 7^{\prime}-77^{\prime \prime} \times 4^{\prime}-11{ }^{\prime \prime}$ <br> $11.97 \mathrm{~m} \times 2.3 \mathrm{~m} \times 1.5 \mathrm{~m}$ | $\begin{gathered} 12,200 \mathrm{lbs} \\ 5535 \mathrm{~kg} \end{gathered}$ | Boom Assembly Part $1^{5}$ <br> 197－ft（ 60 m ）boom | （1）（2） 3 | $\begin{gathered} 95^{\prime}-2 "^{\prime \prime} \times 6^{\prime}-33^{\prime \prime} \times 6^{\prime}-11^{\prime \prime} \mathrm{m} \times 1.9 \mathrm{~m} \times 2.1 \mathrm{~m} \end{gathered}$ | $\begin{aligned} & 20,060 \mathrm{lbs} \\ & 9100 \mathrm{ko} \end{aligned}$ |
| Base Section 630 EC－H | $40^{\prime}-9$＂$^{\prime \prime} \times 8^{\prime}-10^{\prime \prime} \times 8^{\prime}-10^{\prime \prime}$ <br> $12.42 \mathrm{~m} \times 2.68 \mathrm{~m} \times 2.68 \mathrm{~m}$ | $\begin{aligned} & 31,010 \mathrm{lbs} \\ & 14065 \mathrm{~kg} \end{aligned}$ | Boom Assembly Part $2{ }^{6}$ 197－ft 60 m ）boom | （4）44） |  | $16,090 \mathrm{lbs}$ 7300 kg |
| Base Section 500 HC L |  | $\begin{aligned} & 37,850 \mathrm{lbs} \\ & 17170 \mathrm{~kg} \end{aligned}$ | Boom Assembly Part $1^{6}$ <br> 180－ft（55m）－98－ft（30m）booms | （1）（2） | $61^{\prime}-4^{\prime \prime} \times 6^{\prime}-3^{\prime \prime} \times 6^{\prime}-11^{\prime \prime}$ <br> $18.7 \mathrm{~m} \times 1.9 \mathrm{~m} \times 2.1 \mathrm{~m}$ | $13,890 \mathrm{lbs}$ 6300 kg |
| Base Section $540 \mathrm{HC-L}$ | $\begin{aligned} & 40^{\prime} \cdot 99 \times 8^{\prime} \cdot 10^{\prime \prime} \times 8^{\prime} \cdot 10^{\prime \prime} \\ & 12.42 \mathrm{x} \times .68 \mathrm{x} \times 2.6 \mathrm{~m} \end{aligned}$ | $\begin{aligned} & 31,880 \mathrm{lbs} \\ & 14460 \mathrm{~kg} \end{aligned}$ | Boom Assembly Part $2^{6}$ 180－ft（55m）boom | （3）4）（5） 6 | $37 \mathrm{~m} \times 2 \mathrm{~m} \times 2.1 \mathrm{~m}$ | $\begin{aligned} & 19,840 \mathrm{lbs} \\ & 9000 \mathrm{~kg} \end{aligned}$ |
| Std Tower Section 550 HC | $\begin{gathered} 20^{\prime}-7^{\prime \prime \prime} \times 8^{\prime} .0^{\prime \prime} \times 8^{\prime} .0^{\prime \prime} \\ 6.28 \mathrm{~m} \times 2.45 \mathrm{~m} \times 2.45 \mathrm{~m} \end{gathered}$ | $\begin{gathered} 14,280 \mathrm{lbs} \\ 6480 \mathrm{~kg} \end{gathered}$ | Boom Assembly Part $2^{6}$ 164－ft（ 50 m ）boom | （3）46 | $\begin{gathered} 104 \text { '-4" x 6'-7" x 6'-11" } \\ 31.8 \mathrm{~m} \times 2 \mathrm{~m} \times 2.1 \mathrm{~m} \end{gathered}$ | $\begin{gathered} 17,420 \mathrm{lbs} \\ 7900 \mathrm{~kg} \end{gathered}$ |
| Long Section 550 HC | $\begin{gathered} 39^{\prime}-8^{\prime \prime} \times 8^{\prime} \cdot 0^{\prime \prime} \times 8^{\prime} .0^{\prime \prime} \\ 12 . \mathrm{m} \times 2.45 \mathrm{~m} \times 2.45 \end{gathered}$ | $\begin{aligned} & 23,480 \mathrm{lbs} \\ & 10650 \mathrm{~kg} \end{aligned}$ | Boom Assembly Part $2^{6}$ 148－ft（45m）boom | （3）56 | 87＇－3＂x 6＇－7＂$\times 6^{\prime}-11{ }^{\prime \prime}$ $26.6 \mathrm{~m} \times 2 \mathrm{~m} \times 2.1 \mathrm{~m}$ | $\begin{aligned} & 15,650 \mathrm{lbs} \\ & 7100 \mathrm{~kg} \end{aligned}$ |
| Tower Section $500 \mathrm{HC}-\mathrm{L}$ | $\begin{gathered} 20^{\prime}-7^{\prime \prime \prime} \times 8^{\prime} .0^{\prime \prime} \times 8^{\prime} .0^{\prime \prime} \\ 6.28 \mathrm{~m} \times 2.45 \mathrm{~m} \times 2.45 \mathrm{~m} \end{gathered}$ | $\begin{gathered} 17,900 \mathrm{lbs} \\ 8120 \mathrm{~kg} \end{gathered}$ | Boom Assembly Complete ${ }^{7}$ 131－ft（40m）boom | （1）（2）（6） |  | 26，240 lbs 11900 kg |
| Hook Block | $7^{\prime}-10^{\prime \prime} \times 4^{\prime}-99^{\prime \prime} \times 2^{\prime}-88^{\prime \prime}$ <br> $2.4 \mathrm{~m} \times 1.45 \mathrm{~m} \times 0.8 \mathrm{~m}$ | $\begin{aligned} & 3,420 \mathrm{lbs} \\ & 1550 \mathrm{~kg} \end{aligned}$ | Boom Assembly Complete ${ }^{7}$ 115－ft（35m）boom | （1）（2）（6） |  | 23，150 lbs 10500 kg |
| Luffing Rope Sheave Block | $\begin{gathered} 4^{\prime}-11 " \times 3^{\prime}-1111 " ~_{\text {" }} 3^{\prime}-77^{\prime \prime} \\ 1.5 \mathrm{~m} \times 1.2 \mathrm{~m} \times 1.1 \mathrm{~m} \end{gathered}$ | $1,320 \mathrm{lbs}$ 600 kg | Boom Assembly Complete ${ }^{7}$ <br> 98．fl（30m）boom | （1）（2） | $97^{\prime}-9$＂$\times 6^{\prime}-77^{\prime \prime} \times 6^{\prime}-11{ }^{\prime \prime}$ <br> $29.8 \mathrm{~m} \times 2 \mathrm{~m} \times 2.1 \mathrm{~m}$ | 20，500 lbs 9300 kg |

NOTE：Weights and dimensions are approximate．Scale components before liffing．Consult operation manual before erecting，operating，servicing and dismantling crane．
${ }^{1}$ Slewing platform can be split into four parts i．e．，slewing platform，slewing ring and two swing drives．
${ }^{2}$ Wire rope included．Typical rope installation； 985 feet（300m）at 2，315 lbs（1 050 kg ）．
${ }^{3}$ Gantry（boom retaining frame）can be split into component parts．
${ }^{4}$ Top climbing unit complete includes front and rear panel，hydraulic system，ladders and plafforms with a total weight of 22，420 lbs（10 170 kg ）
${ }^{5}$ Boom assembly Part 1 includes boom sections 1， 2 and 3 and erection wire rope for the 197 －ft（ 60 m ）boom．For all other booms，Part 1 includes boom sections 1 and 2 plus erection rope．
${ }^{6}$ Boom assembly Part 2 includes boom sections and pendent bars．
${ }^{7}$ Complete boom assemblies can be split into two parts．


[^0]:    **NOTE! Charts above apply only to 355 HC-L $16 / 32$ configurations with 550 HC tower. Other configurations available. Restrictions may apply.

