

100%  
Swadeshi



# ACE

## Tower Cranes

**ACE** INDIA'S NO. 1  
CRANE BRAND

## About ACE



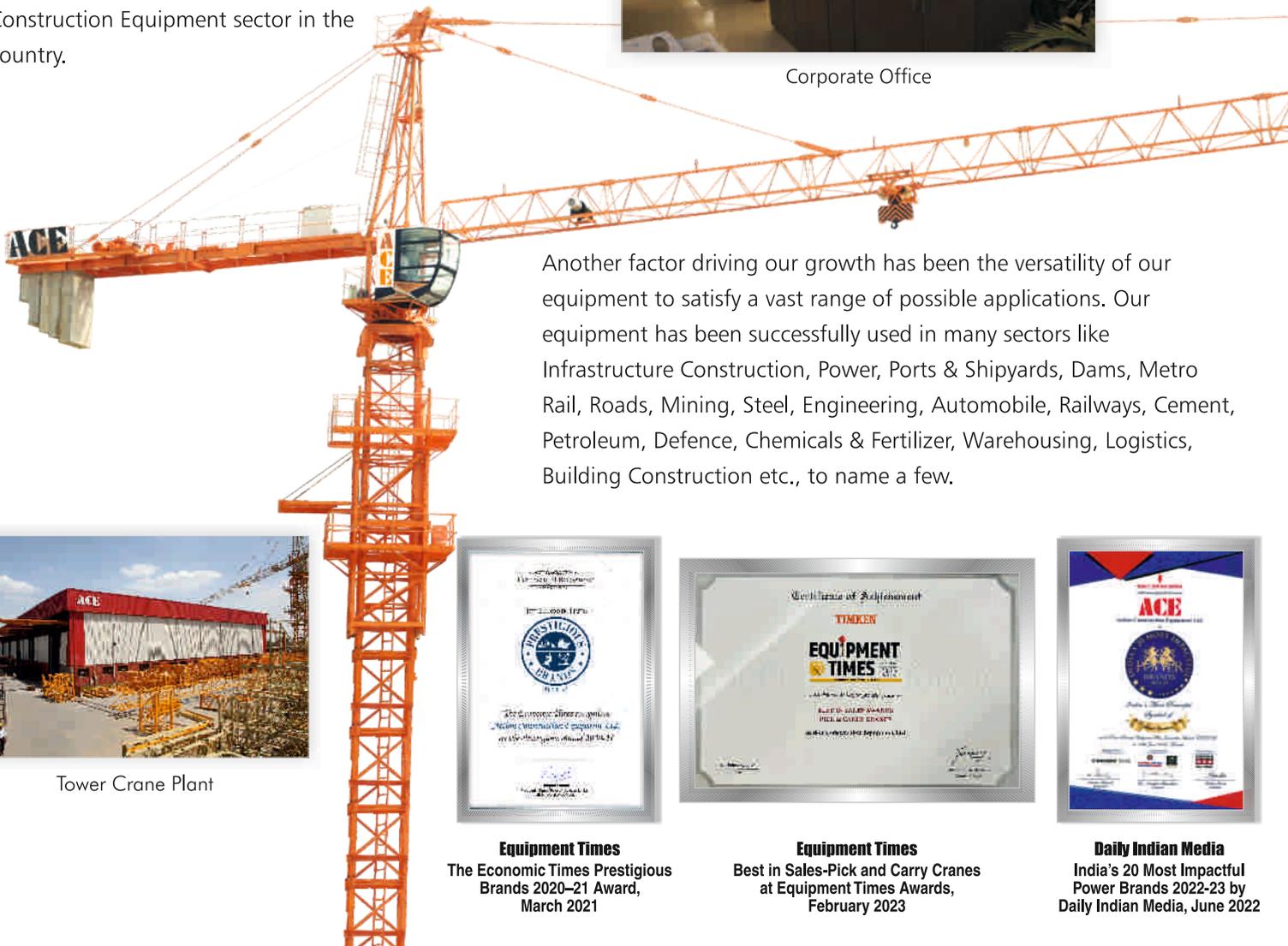
Corporate Office

ACE - Action Construction Equipment Limited is India's largest Mobile Crane and Tower Crane manufacturing company. In addition to Tower Cranes, ACE also offers Mobile Cranes, Loaders, Vibratory Roller, Truck Mounted Cranes, Crawler Cranes, Forklifts, Tractors and other Construction Equipment. ACE has a consolidated presence in all major Infrastructure, Construction, Heavy Engineering and Industrial Projects across the country.

The policy of responding with speed and expertise has been rewarded over the years in the form of repeat business, resulting in constant growth of the company and making us one of the leading companies in the Mobile Cranes, Tower Cranes and Construction Equipment sector in the country.



Corporate Office



Another factor driving our growth has been the versatility of our equipment to satisfy a vast range of possible applications. Our equipment has been successfully used in many sectors like Infrastructure Construction, Power, Ports & Shipyards, Dams, Metro Rail, Roads, Mining, Steel, Engineering, Automobile, Railways, Cement, Petroleum, Defence, Chemicals & Fertilizer, Warehousing, Logistics, Building Construction etc., to name a few.



Tower Crane Plant



**Equipment Times**  
The Economic Times Prestigious  
Brands 2020-21 Award,  
March 2021



**Equipment Times**  
Best in Sales-Pick and Carry Cranes  
at Equipment Times Awards,  
February 2023



**Daily Indian Media**  
India's 20 Most Impactful  
Power Brands 2022-23 by  
Daily Indian Media, June 2022



### TOWER CRANE RANGE

| Model | Maximum Capacity (t) | Free Standing Height (m) | Jib Length (m) | Tip Load (t) | Mast Size L x B x H (m) |
|-------|----------------------|--------------------------|----------------|--------------|-------------------------|
|-------|----------------------|--------------------------|----------------|--------------|-------------------------|

#### TOWER CRANES - SELF ERECTING

|          |     |    |    |      |     |
|----------|-----|----|----|------|-----|
| MTC-2418 | 1.6 | 24 | 18 | 0.55 | (-) |
| MTC-3625 | 2.5 | 36 | 25 | 0.80 | (-) |
| MTC-4030 | 2   | 40 | 30 | 0.80 | (-) |

#### TOWER CRANES - FIXED / INNER CLIMBING / RAIL MOUNTED

|            |     |      |       |     |                   |
|------------|-----|------|-------|-----|-------------------|
| TC 5034    | 5   | 34.5 | 50    | 1.3 | 1.2 x 1.2 x 3.0   |
| TC 5040    | 5/6 | 40.0 | 50    | 1.3 | 1.6 x 1.6 x 2.8   |
| FT 5234    | 5   | 34.0 | 50/52 | 1.1 | 1.2 x 1.2 x 3.0   |
| FT 5040    | 5   | 40.0 | 50/52 | 1.4 | 1.6 x 1.6 x 2.8   |
| TC 5540    | 5/6 | 40.0 | 55    | 1.0 | 1.6 x 1.6 x 2.8   |
| FT 5534    | 5   | 34.0 | 55    | 1.0 | 1.2 x 1.2 x 3.0   |
| FT 5540    | 5   | 40.0 | 55    | 1.0 | 1.6 x 1.6 x 2.8   |
| TC 6040    | 5/6 | 40   | 60    | 1.0 | 1.6 x 1.6 x 2.8   |
| FT 6040-6T | 6   | 40   | 60    | 1.1 | 1.6 x 1.6 x 2.8   |
| FT 6040-8T | 8   | 40.0 | 60    | 1.3 | 1.6X1.6X2.8       |
| TC 6552    | 10  | 51.3 | 65    | 2.0 | 1.83 x 1.83 x 3.0 |
| FT 7052    | 10  | 52.0 | 70    | 1.6 | 2.0X2.0X3.0       |
| TC 7054    | 16  | 52.0 | 70    | 3.5 | 2.15 x 2.15 x 3.0 |
| FT 7560    | 16  | 60.0 | 75    | 2.7 | 2.0X2.0X3.0       |
| TC 7059    | 20  | 59.0 | 70    | 5.2 | 2.15 x 2.15 x 3.0 |
| TC 7074    | 25  | 73.0 | 70    | 5.2 | 2.5 x 2.5 x 5.95  |
| FT 8065    | 25  | 65.0 | 80    | 3.5 | 2.5X2.5X5.7       |



**Fortune India**  
Ranked 171st among the  
Next 500 Companies 2022 –  
Fortune India Magazin



**Equipment India**  
Bestseller in Mobile Cranes  
2021 by Equipment India,  
Oct 2021



**Equipment India**  
Bestseller in Mobile Cranes Category  
Award- 10th Equipment India  
Awards 2022

# MTC 2418 Mobile Tower Crane

1.6 t

● MTC-2418 is an **all-terrain, self propelled** mobile tower crane, with a road speed of 25 km/hr. A differential lock enables it to get out of tough spots.

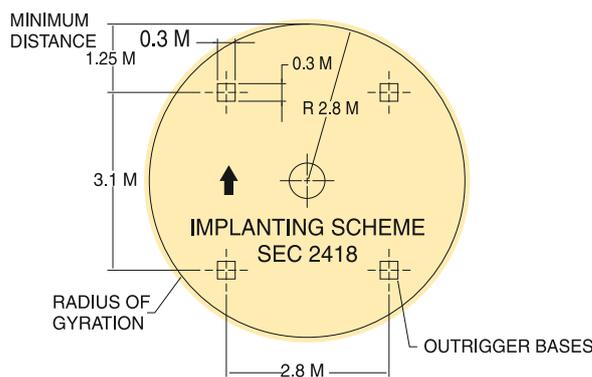
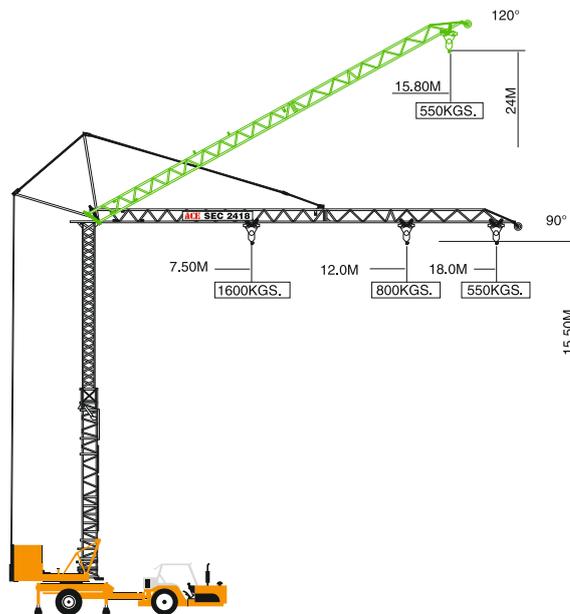
● MTC-2418 is **self erecting/self-folding**. Operations can be easily affected in a few minutes by a single operator through a remote control pod.

● MTC-2418 is **remote controlled**. It facilitates the operator to position himself in such a way that he can see both picking as well as dumping points for precise load positioning.

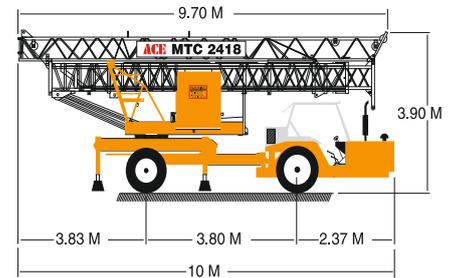
● A **built-in generator**, driven by the prime mover's engine makes MTC-2418 totally independent of any outside electric source. The crane only uses a part of the power and the generator can be used to supply other electrical equipment like mixers, vibrators and job site lighting systems.

● An articulated chassis and hydraulic steering system enables a very **short turning radius and easy positioning**.

● Stabilizers are of out and down type and can be retracted into the lower chassis to satisfy **road clearance codes**.



ALL DIMENSIONS IN METRES ±5%



|                              |  |                      |
|------------------------------|--|----------------------|
| Horizontal jib position      | Height   | 15.5 mtrs.           |
|                              | Length   | 7.5 mtrs. 18 mtrs.   |
|                              | Capacity   | 1600 Kgs. 550 Kgs.   |
| Raised jib position          | Height   | 24 mtrs.             |
|                              | Length   | 7.2 mtrs. 15.8 mtrs. |
|                              | Capacity   | 1600 Kgs. 550 Kgs.   |
| Speed                        | Trolleying   | 33m/min.             |
|                              | Hoisting   | 15m/min. & 30m/min.  |
|                              | Slewing  | 1 RPM                |
| Electrical motors            | Trolleying   | 1.5 H.P.             |
|                              | Hoisting   | 7.5 H.P.             |
|                              | Slewing  | 2.0 H.P.             |
| Electric Power               | 10.25 KVA  |                      |
| Engine (Prime mover)         | Four cylinder, water cooled, diesel engine developing 49 BHP at 2300 RPM. Model A498   |                      |
| Generator Power Developed    | 20 KVA   |                      |
| Total weight with Ballast    | 13500 Kgs.   |                      |
| Total weight without Ballast | 8700 Kgs.  |                      |
| Transportation Dimensions    | Width  | 2.5 mtrs.            |
|                              | Length   | 10 mtrs.             |
|                              | Height   | 3.9 mtrs.            |
| Front axle load              | 5300 Kgs.  |                      |
| Rear axle load               | 8200 Kgs.  |                      |
| Safety device                | <ul style="list-style-type: none"> <li>• Circuit breakers</li> <li>• Overload limit switch</li> <li>• Moment limit switch</li> <li>• Hoist limit switch</li> <li>• Trolley limit switch</li> </ul> |                      |
| Variant Model                | <b>MTC 2418 T</b><br>Mounted on a towable trailer without prime mover.   |                      |

## MTC 2418

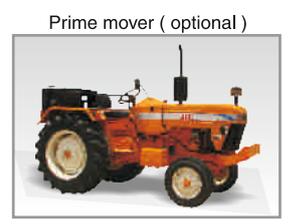
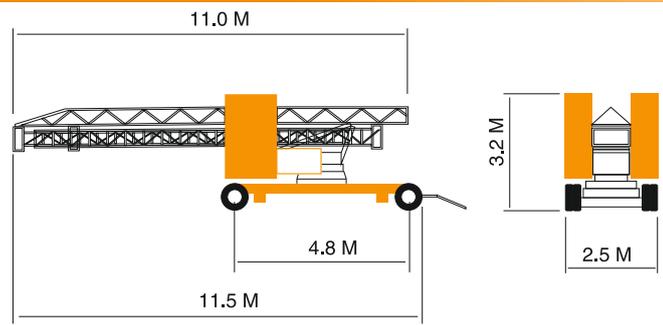


## MTC 2418 T - Mounted on a towable trailer



**MTC 3625 Mobile Tower Crane 2.5 t**

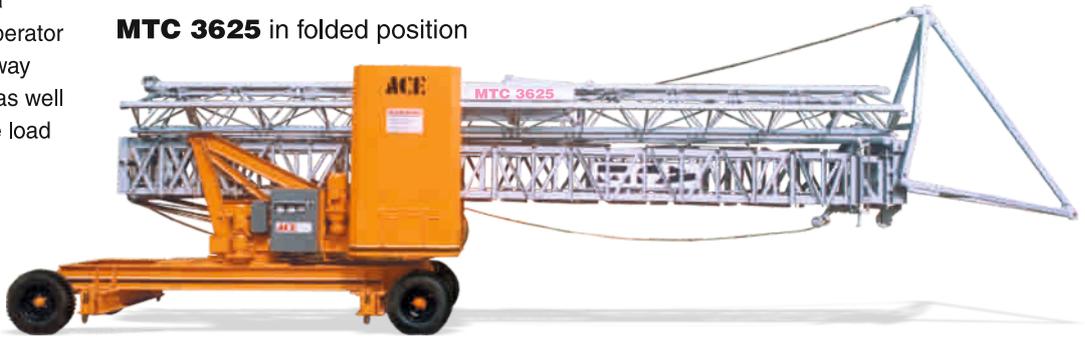
● MTC-3625 is a **self erecting/self folding** mobile tower crane. Operations can be easily affected by a single operator, through a remote control pod.



● The crane is mounted on a **towable type trailer** with compact dimensions for easy transportation.

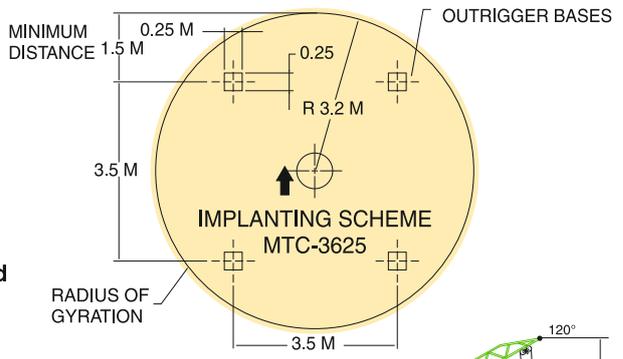
● MTC-3625 is **controlled by a remote**. This facilitates the operator to position himself in such a way that he can see both picking as well as dumping points for precise load positioning.

**MTC 3625 in folded position**



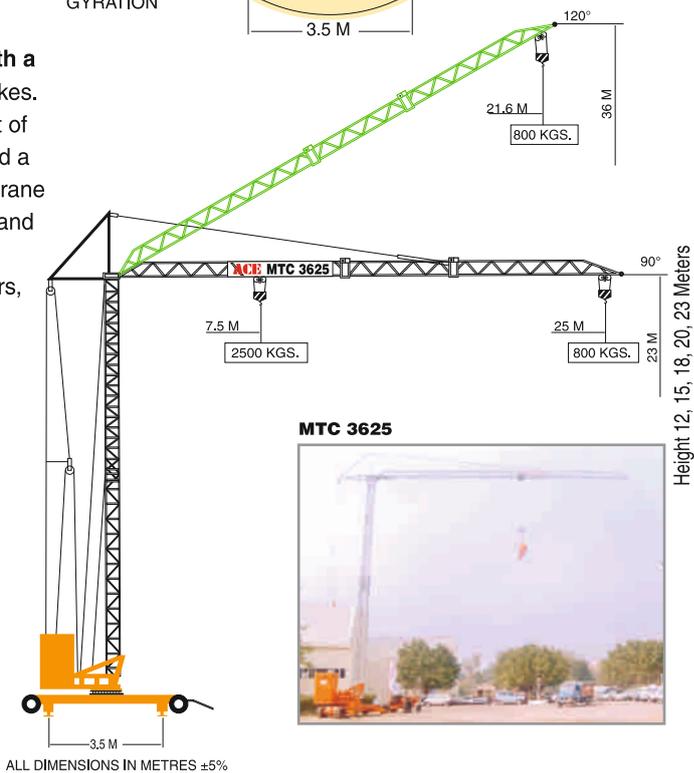
● To minimise dead weight for long distance transportation, the counter weight box is designed with trap doors to enable **general ballast use as counter weight**.

● The chassis design enables a short turning radius and **easy positioning**.



● Stabilizers are out and down type and can be reiterated into the lower chassis to satisfy **road clearance codes**.

● **An optional prime mover with a built-in 25KVA generator**, makes MTC-3625 totally independent of any outside electric source and a separate carrier vehicle. The crane uses only a part of the power and the generator can be used for other site equipment like mixers, vibrators and job site lighting systems.



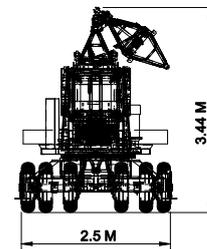
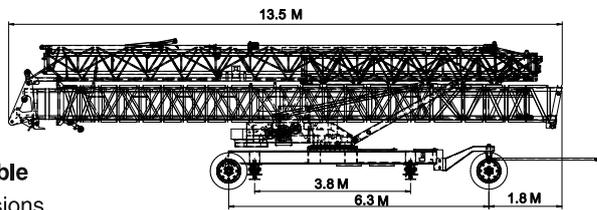
|                              |                             |   |
|------------------------------|-----------------------------|---|
| Horizontal jib position      | Height Reach Capacity       | 23 mtrs.<br>7.5 mtrs. 25 mtrs.<br>2500 Kgs. 800 Kgs.  |
| Raised jib position          | Height Reach Capacity       | 36 mtrs.<br>7.2 mtrs. 21.6 mtrs.<br>2500 Kgs. 800 Kgs.  |
| Speed                        | Trolleying Hoisting Slewing | 30m/min.<br>20m/min. & 40m/min.<br>1 RPM  |
| Electrical motors            | Trolleying Hoisting Slewing | 1.5 H.P.<br>10.0 H.P.<br>2.0 H.P.   |
| Electric Power               |                             | 12.5 KVA  |
| Total weight with Ballast    |                             | 17000 Kgs.  |
| Total weight without Ballast |                             | 8000 Kgs.   |
| Transportation Dimensions    | Width Length Height         | 2.5 mtrs.<br>11.5 mtrs.<br>3.2 mtrs.  |
| Safety device                |                             | <ul style="list-style-type: none"> <li>• Vfd</li> <li>• Circuit breakers</li> <li>• Overload limit switch</li> <li>• Moment limit switch</li> <li>• Hoist limit switch</li> <li>• Trolley limit switch</li> </ul> |
| Optional                     |                             | Prime mover fitted with 49 BHP, water cooled diesel engine and a 25 KVA alternator.   |

ALL DIMENSIONS IN METRES ±5%

# MTC 4030 Mobile Tower Crane

2.0 t

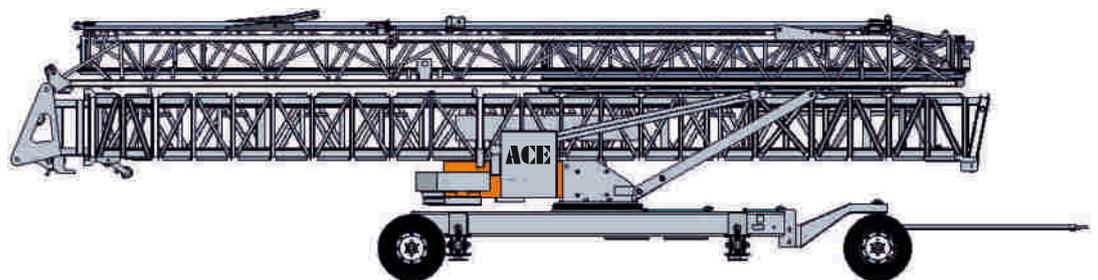
● MTC-4030 is a **self erecting/self folding** mobile tower crane. Operations can be easily affected by a single operator, through a remote control pod.



● The crane is mounted on a **towable type trailer** with compact dimensions for easy transportation.

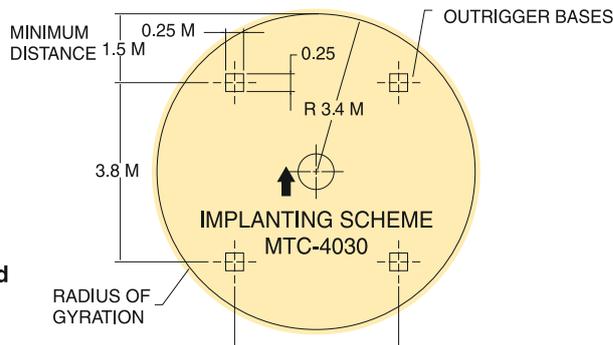
● MTC-4030 is **controlled by a remote**. This facilitates the operator to position himself in such a way that he can see both picking as well as dumping points for precise load positioning.

MTC 4030 in folded position



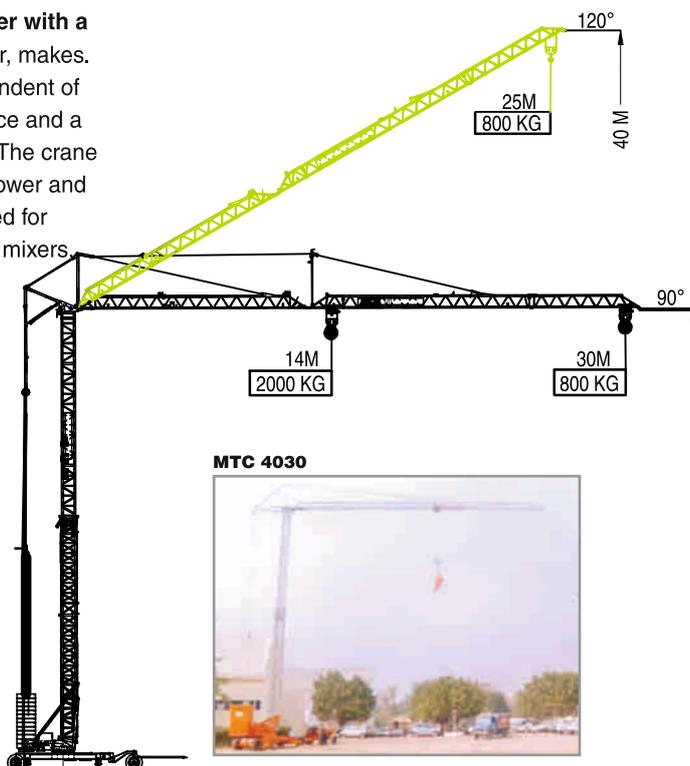
● To minimise dead weight for long distance transportation, the counter weight box is designed with trap doors to enable **general ballast use as counter weight**.

● The chassis design enables a short turning radius and **easy positioning**.



● Stabilizers are out and down type and can be reiterated into the lower chassis to satisfy **road clearance codes**.

● An optional prime mover with a **built-in 25KVA generator**, makes MTC-4030 totally independent of any outside electric source and a separate carrier vehicle. The crane uses only a part of the power and the generator can be used for other site equipment like mixers, vibrators and job site lighting systems.



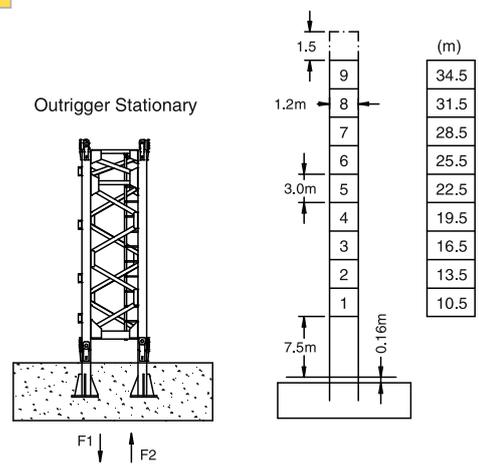
|                              |                                   |   |
|------------------------------|-----------------------------------|---|
| Horizontal jib position      | Height<br>Reach<br>Capacity       | 25 mtrs.<br>14 mtrs. 30 mtrs.<br>2000 Kgs. 800 Kgs.   |
| Raised jib position          | Height<br>Reach<br>Capacity       | 40 mtrs.<br>14 mtrs. 25 mtrs.<br>2000 Kgs. 800 Kgs.   |
| Speed                        | Trolleying<br>Hoisting<br>Slewing | 30m/min.<br>20m/min. & 40m/min.<br>1 RPM  |
| Electrical motors            | Trolleying<br>Hoisting<br>Slewing | 1.5 k.w.<br>7.5 k.w.<br>2.2 k.w.  |
| Electric Power               |                                   | 13.2 KVA  |
| Total weight with Ballast    |                                   | 28500 Kgs.  |
| Total weight without Ballast |                                   | 11500 Kgs.  |
| Transportation Dimensions    | Width<br>Length<br>Height         | 2.5 mtrs.<br>13.2 mtrs.<br>3.44 mtrs.   |
| Safety device                |                                   | <ul style="list-style-type: none"> <li>• Vfd</li> <li>• Circuit breakers</li> <li>• Overload limit switch</li> <li>• Moment limit switch</li> <li>• Hoist limit switch</li> <li>• Trolley limit switch</li> </ul> |
| Optional                     |                                   | Prime mover fitted with 49 BHP, water cooled diesel engine and a 25 KVA alternator.   |

Height: 12, 15, 18, 21, 25 Meters

**TC 5034 Tower Crane** **5 t**

**Load Capacity**

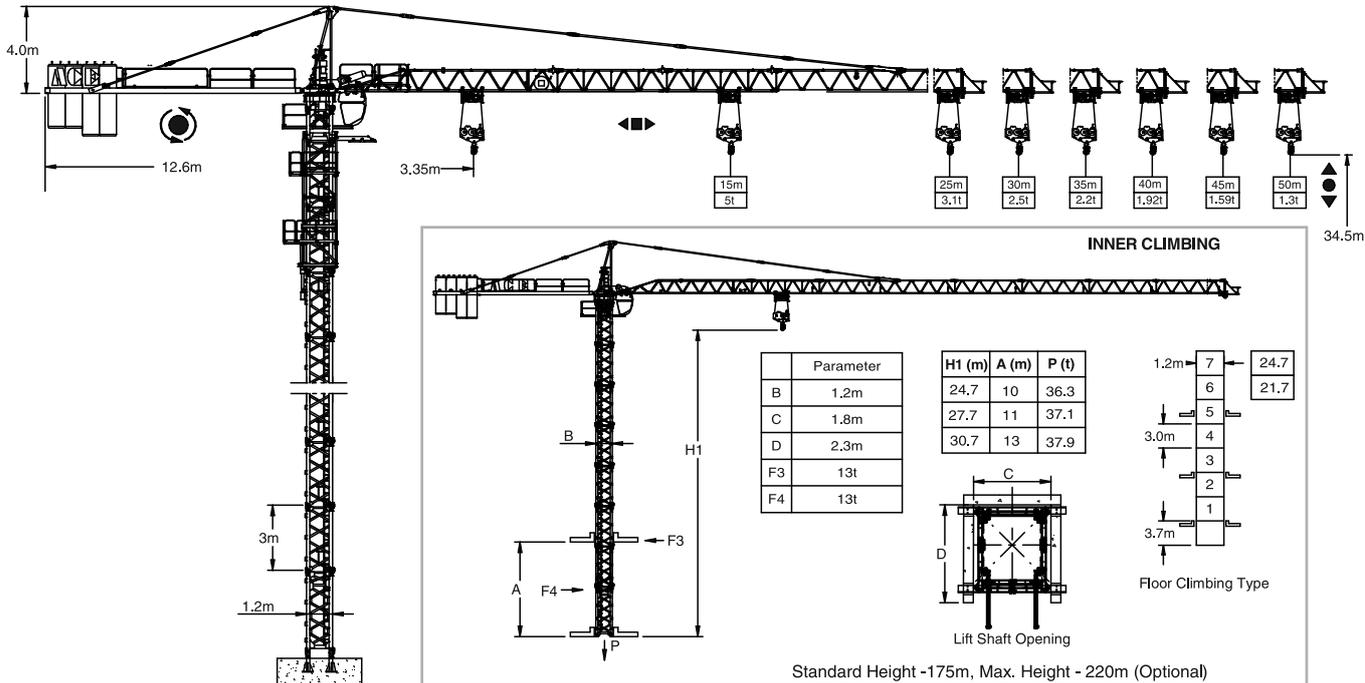
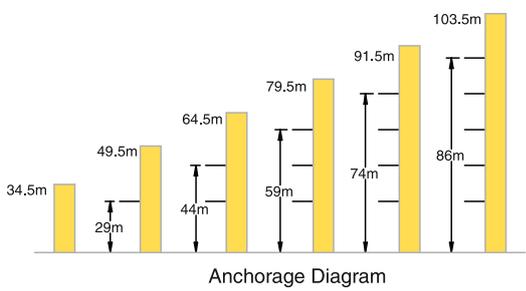
| Jib Length | Radius (m)        |      |      |      |      |      |      |      |      |      |      |      |      |
|------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|
|            | 15                | 17   | 20   | 22   | 25   | 28   | 30   | 32   | 35   | 40   | 45   | 50   |      |
| 50m        | Hoisting Load (t) | 5.00 | 4.30 | 3.60 | 3.20 | 2.70 | 2.50 | 2.40 | 2.20 | 2.00 | 1.70 | 1.50 | 1.30 |
|            | Dead weight (t)   | 2.50 |      |      |      |      |      |      |      |      |      |      |      |
| 45m        | Hoisting Load (t) | 5.00 | 4.60 | 3.80 | 3.40 | 2.90 | 2.50 | 2.50 | 2.40 | 2.20 | 1.85 | 1.59 |      |
|            | Dead weight (t)   | 2.50 |      |      |      |      |      |      |      |      |      |      |      |
| 40m        | Hoisting Load (t) | 5.00 | 4.80 | 3.90 | 3.50 | 3.00 | 2.50 | 2.50 | 2.45 | 2.20 | 1.92 |      |      |
|            | Dead weight (t)   | 2.50 |      |      |      |      |      |      |      |      |      |      |      |
| 35m        | Hoisting Load (t) | 5.00 | 4.80 | 3.90 | 3.50 | 3.00 | 2.75 | 2.50 | 2.45 | 2.20 |      |      |      |
|            | Dead weight (t)   | 2.50 |      |      |      |      |      |      |      |      |      |      |      |
| 30m        | Hoisting Load (t) | 5.00 | 4.80 | 3.90 | 3.50 | 3.00 | 2.75 | 2.50 |      |      |      |      |      |
|            | Dead weight (t)   | 2.50 |      |      |      |      |      |      |      |      |      |      |      |
| 25m        | Hoisting Load (t) | 5.00 | 4.80 | 3.90 | 3.50 | 3.10 |      |      |      |      |      |      |      |
|            | Dead weight (t)   | 2.50 |      |      |      |      |      |      |      |      |      |      |      |



**Specifications**

|                |                    |            |      |      |     |      |      |
|----------------|--------------------|------------|------|------|-----|------|------|
| Hoisting       | No of Falls        | 3          | 4    | 5    | 6   | 7    |      |
|                | Speed (m/min)      | 7          | 35   | 70   | 3.5 | 17.5 | 35   |
|                | Hoisting Load (t)  | 2.6        | 2.6  | 1.3  | 5.0 | 5.0  | 2.6  |
|                | Power (kw)         | 3.5        | 18.0 | 18.0 | 3.5 | 18.0 | 18.0 |
| Slewing        | Speed (rpm)        | 0 ~ 0.8    |      |      |     |      |      |
|                | Power (kw)         | 4          |      |      |     |      |      |
| Trolley        | Speed (m/min)      | 40         |      | 20   |     |      |      |
|                | Power (kw)         | 3.3        |      | 2.2  |     |      |      |
| Climbing       | Speed (m/min)      | 0.55 - 0.7 |      |      |     |      |      |
|                | Power (kw)         | 5.5        |      |      |     |      |      |
| Main Supply    | 415V / 50Hz        |            |      |      |     |      |      |
| Electric Power | 25.3 kw (31.6 kVA) |            |      |      |     |      |      |

|    |         |         |     |
|----|---------|---------|-----|
| F1 | ◇ 75t   | △ 90t   | ⊕   |
| F2 | ◇ 55.5t | △ 72.5t | 22t |



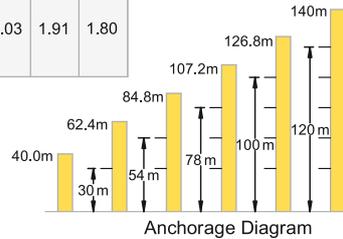
F Reaction ◇ In Service △ Out of Service ⊕ Dead weight without load and counter weights but with longest jib and free standing height.  
 P - Vertical load

# TC 5040 Tower Crane

5 t

## Load Capacity

| Jib Length    | Radius (m)        |  | Radius (m) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |
|---------------|-------------------|--|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|
|               | Hoisting Load (t) |  | 2.5-16     | 18   | 20   | 22   | 24   | 26   | 28   | 30   | 32   | 34   | 36   | 38   | 40   | 42   | 44   | 46   | 48   | 50 |
| 50m           | 5.00              |  | 4.56       | 4.04 | 3.62 | 3.27 | 2.97 | 2.72 | 2.50 | 2.31 | 2.15 | 2.00 | 1.87 | 1.75 | 1.64 | 1.54 | 1.46 | 1.37 | 1.30 |    |
|               | 2.50              |  |            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |
| 44m           | 5.00              |  | 4.62       | 4.14 | 3.74 | 3.41 | 3.13 | 2.88 | 2.67 | 2.48 | 2.31 | 2.16 | 2.03 | 1.91 | 1.80 |      |      |      |      |    |
|               | 2.50              |  |            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |
| 38m, 32m, 26m | 5.00              |  | 4.88       | 4.38 | 3.96 | 3.61 | 3.31 | 3.05 | 2.83 | 2.63 | 2.46 | 2.30 |      |      |      |      |      |      |      |    |
|               | 2.50              |  |            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |



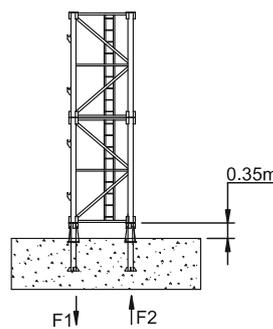
### Note:-

TC 5040 is also available with 32 Mtrs & 26 Mtrs Jib length optionally

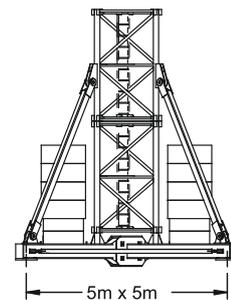
## Specifications

|                |   |            |     |      |      |    |      |
|----------------|---|------------|-----|------|------|----|------|
| Hoisting       | No of Falls                             | 5          |     | 6    |      |    |      |
|                | Speed (m/min)                           | 11.75      | 40  | 80   | 5.87 | 20 | 40   |
|                | Hoisting Load (t)                       | 2.5        | 2.5 | 1.28 | 5    | 5  | 2.56 |
|                | Power (kw)                              | 5          | 18  | 18   | 5    | 18 | 18   |
| Slewing        | Speed (rpm)                             | 0 ~ 0.6    |     |      |      |    |      |
|                | Power (kw)                              | 5.5        |     |      |      |    |      |
| Trolley        | Speed (m/min)                           | 40         |     | 20   |      |    |      |
|                | Power (kw)                              | 3.3        |     | 2.2  |      |    |      |
| Climbing       | Speed (m/min)                           | 0.55 - 0.7 |     |      |      |    |      |
|                | Power (kw)                              | 5.5        |     |      |      |    |      |
| Main Supply    | 415V / 50Hz                             |            |     |      |      |    |      |
| Electric Power | 26.8kw (33.5kVA)                        |            |     |      |      |    |      |
| Optional       | 6 Ton Max. Capacity Mechanism at 14.16m |            |     |      |      |    |      |

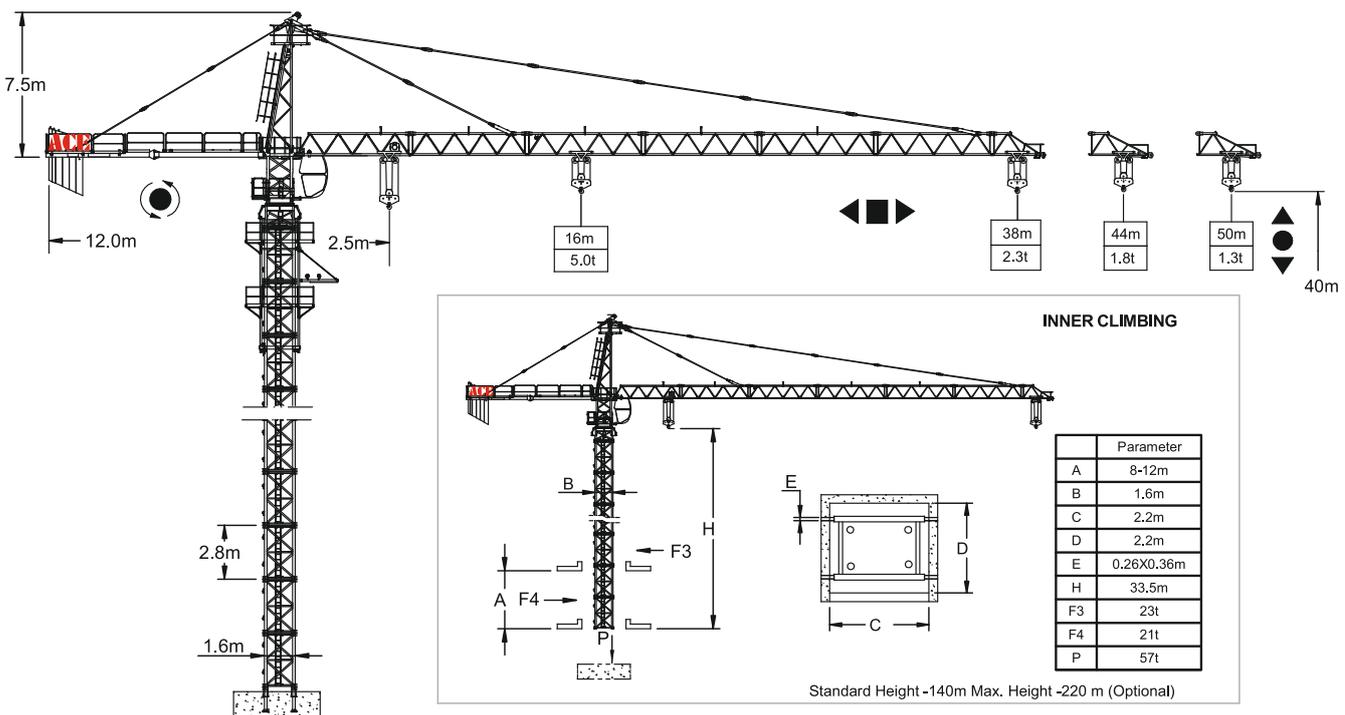
Outrigger Stationary



Chassis Stationary/Rail Mounted



|    |       |       |       |
|----|-------|-------|-------|
| F1 | ◇ 68t | △ 86t | ⊕ 31t |
| F2 | ◇ 46t | △ 71t |       |

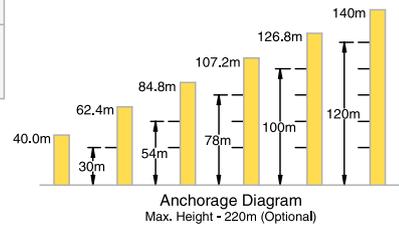


F Reaction ◇ In Service △ Out of Service ⊕ Dead weight without load and counter weights but with longest jib and free standing height.  
P - Vertical load

**FT 5040 Flat Top Tower Crane** **5 t**

**Load Capacity**

|                               |                   |          |     |     |     |     |      |      |      |      |      |     |      |      |      |     |     |
|-------------------------------|-------------------|----------|-----|-----|-----|-----|------|------|------|------|------|-----|------|------|------|-----|-----|
| Jib Length 50m                | Radius (m)        | 2.7~15.9 | 17  | 20  | 22  | 25  | 27   | 28   | 30   | 32   | 35   | 37  | 40   | 42   | 45   | 47  | 50  |
|                               | Hoisting Load (t) | 5.00     | 4.6 | 3.8 | 3.4 | 2.9 | 2.65 | 2.50 | 2.50 | 2.4  | 2.15 | 2.0 | 1.85 | 1.75 | 1.6  | 1.5 | 1.4 |
| Jib Length 45m                | Radius (m)        | 2.7~16.3 | 17  | 20  | 22  | 25  | 27   | 29   | 31   | 32   | 35   | 37  | 40   | 42   | 45   |     |     |
|                               | Hoisting Load (t) | 5.00     | 4.8 | 3.9 | 3.5 | 3.0 | 2.75 | 2.50 | 2.50 | 2.45 | 2.2  | 2.1 | 1.9  | 1.8  | 1.65 |     |     |
| Jib Length 40m                | Radius (m)        | 2.7~16.4 | 17  | 20  | 22  | 25  | 27   | 29   | 31   | 32   | 35   | 37  | 40   |      |      |     |     |
|                               | Hoisting Load (t) | 5.00     | 4.8 | 3.9 | 3.5 | 3.0 | 2.75 | 2.50 | 2.50 | 2.45 | 2.2  | 2.1 | 1.9  |      |      |     |     |
| Jib Length 35m, 30m, 25m, 20m | Radius (m)        | 2.7~16.4 | 17  | 20  | 22  | 25  | 27   | 29   | 31   | 32   | 35   |     |      |      |      |     |     |
|                               | Hoisting Load (t) | 5.00     | 4.8 | 3.9 | 3.5 | 3.0 | 2.75 | 2.50 | 2.50 | 2.45 | 2.2  |     |      |      |      |     |     |



\* Optional 2mtr. jib available.

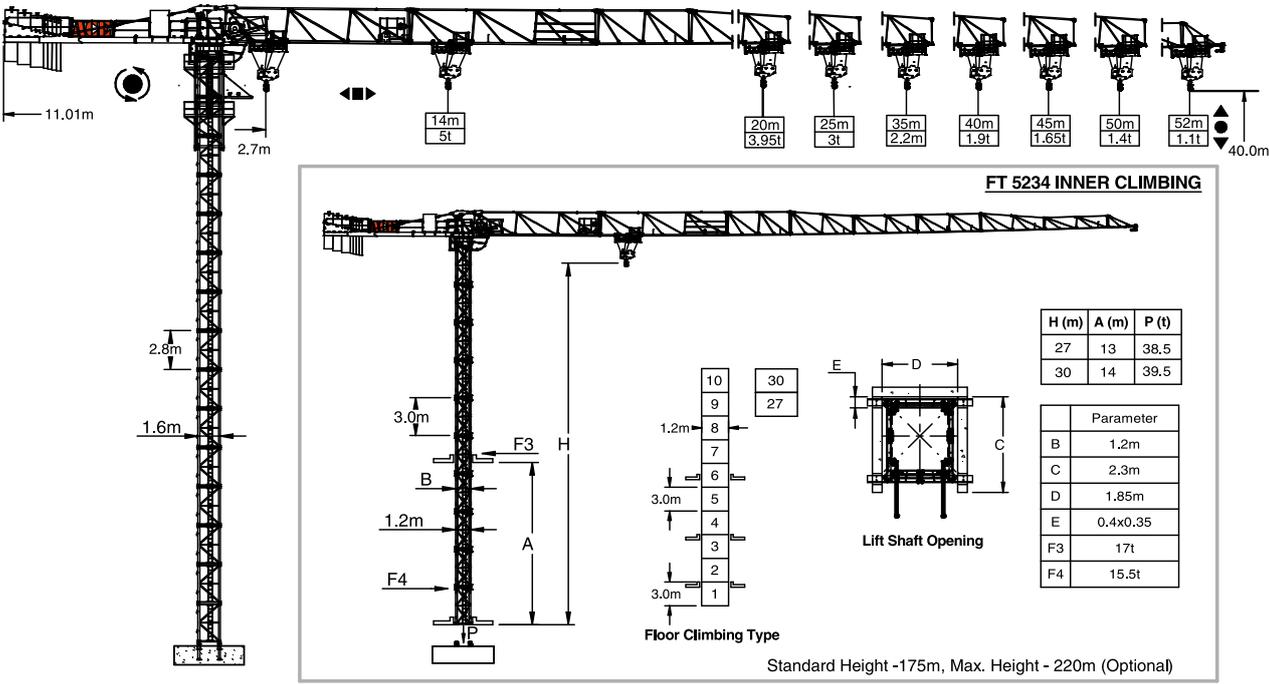
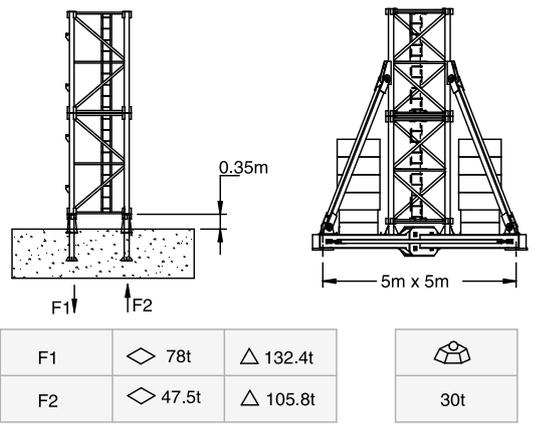
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|----------------|-------------------|--------|------|-----|-----|------|------|------|------|------|-----|-----|-----|------|------|-----|------|------|-----|
| Jib Length 52m | Radius (m)        | 2.7~14 | 15   | 17  | 20  | 22   | 24   | 26   | 27   | 30   | 32  | 35  | 37  | 40   | 42   | 45  | 47   | 50   | 52  |
|                | Hoisting Load (t) | 5.00   | 4.5  | 3.9 | 3.2 | 2.85 | 2.50 | 2.50 | 2.45 | 2.15 | 2.0 | 1.8 | 1.7 | 1.55 | 1.45 | 1.3 | 1.25 | 1.15 | 1.1 |
|                |                   |        | 2.50 |     |     |      |      |      |      |      |     |     |     |      |      |     |      |      |     |

**Specifications**

|                |                    |            |      |      |     |      |      |     |  |      |  |    |  |
|----------------|--------------------|------------|------|------|-----|------|------|-----|--|------|--|----|--|
| Hoisting       | No of Falls        | 7          |      | 35   |     | 70   |      | 3.5 |  | 17.5 |  | 35 |  |
|                | Speed (m/min)      | 7          |      | 35   |     | 70   |      | 3.5 |  | 17.5 |  | 35 |  |
|                | Hoisting Load (t)  | 2.6        | 2.6  | 1.3  | 5.0 | 5.0  | 2.6  |     |  |      |  |    |  |
|                | Power (kw)         | 3.5        | 18.0 | 18.0 | 3.5 | 18.0 | 18.0 |     |  |      |  |    |  |
| Slewing        | Speed (rpm)        | 0 ~ 0.8    |      |      |     |      |      |     |  |      |  |    |  |
|                | Power (kw)         | 4          |      |      |     |      |      |     |  |      |  |    |  |
| Trolley        | Speed (m/min)      | 40         |      |      |     |      |      | 20  |  |      |  |    |  |
|                | Power (kw)         | 3.3        |      |      |     |      |      | 2.2 |  |      |  |    |  |
| Climbing       | Speed (m/min)      | 0.55 - 0.7 |      |      |     |      |      |     |  |      |  |    |  |
|                | Power (kw)         | 5.5        |      |      |     |      |      |     |  |      |  |    |  |
| Main Supply    | 415V / 50Hz        |            |      |      |     |      |      |     |  |      |  |    |  |
| Electric Power | 25.3 kw (31.6 kVA) |            |      |      |     |      |      |     |  |      |  |    |  |

Outrigger Stationary

Chassis Stationary/Rail Mounted



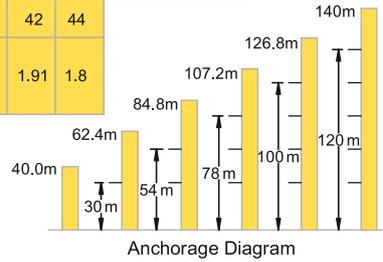
F Reaction ◇ In Service △ Out of Service ⊕ Dead weight without load and counter weights but with longest jib and free standing height.  
P - Vertical load

# TC 5540 Tower Crane

5 t

## Load Capacity

| Jib Length (m) | Radius (m)        | Radius (m) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
|----------------|-------------------|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
|                |                   | 2.5-13.64  | 16   | 18   | 22   | 24   | 26   | 28   | 30   | 32   | 34   | 36   | 38   | 40   | 42   | 44   | 46   | 48   | 50   | 53   | 55   |  |
| 55m            | Hoisting Load (t) | 5.00       | 4.70 | 3.90 | 3.24 | 2.93 | 2.66 | 2.43 | 2.24 | 2.06 | 1.91 | 1.78 | 1.66 | 1.55 | 1.46 | 1.37 | 1.29 | 1.21 | 1.15 | 1.06 | 1.00 |  |
|                |                   | 2.50       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| 50m            | Hoisting Load (t) | 5.00       | 4.56 | 3.62 | 3.27 | 2.97 | 2.72 | 2.48 | 2.31 | 2.15 | 2.00 | 1.87 | 1.75 | 1.64 | 1.54 | 1.46 | 1.37 | 1.30 |      |      |      |  |
|                |                   | 2.50       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| 44m            | Hoisting Load (t) | 5.00       | 4.14 | 3.74 | 3.43 | 3.13 | 2.88 | 2.67 | 2.48 | 2.31 | 2.16 | 2.03 | 1.91 | 1.8  |      |      |      |      |      |      |      |  |
|                |                   | 2.50       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| 38m            | Hoisting Load (t) | 5.00       | 4.38 | 3.96 | 3.61 | 3.31 | 3.05 | 2.83 | 2.63 | 2.46 | 2.30 |      |      |      |      |      |      |      |      |      |      |  |
|                |                   | 2.50       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |

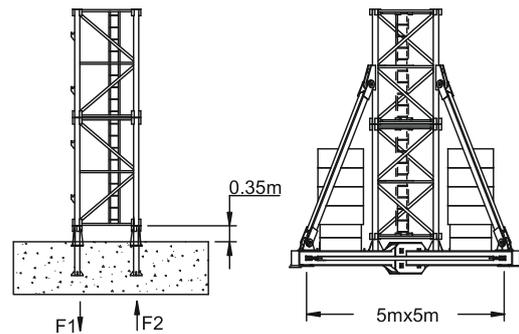


## Specifications

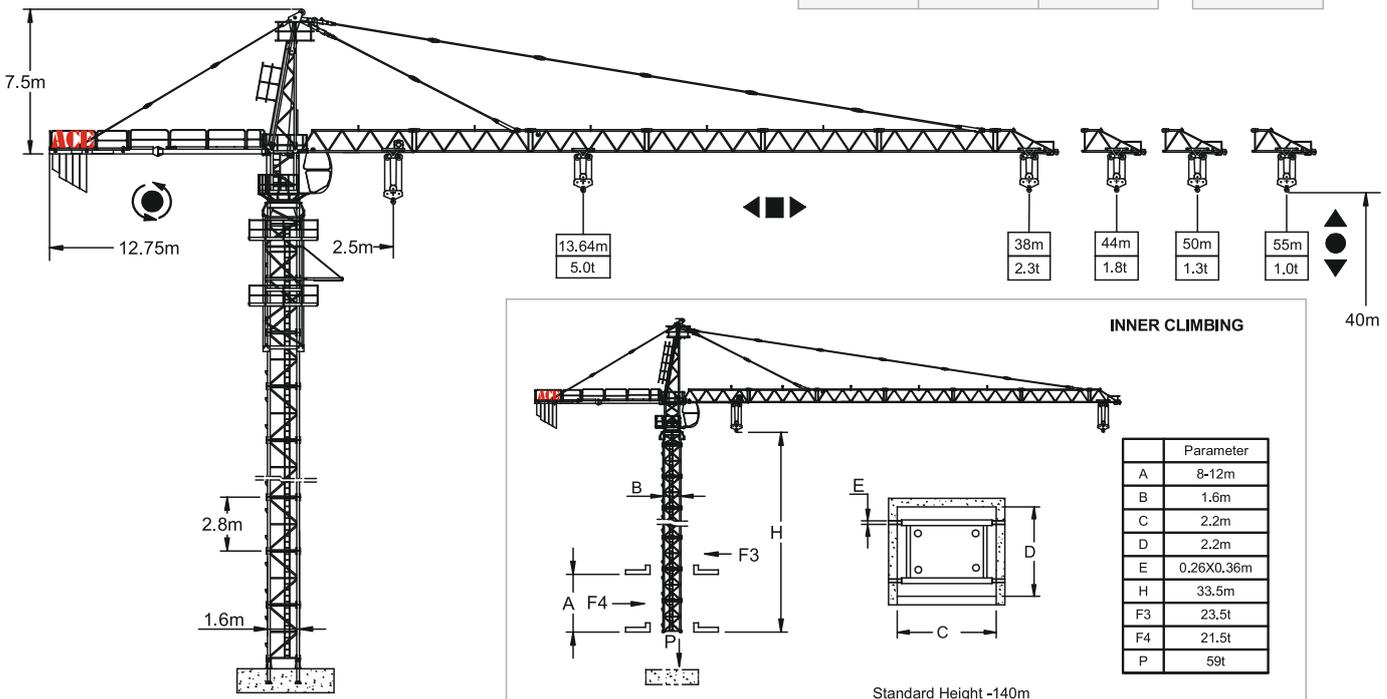
|                |                   |   |     |      |      |    |      |
|----------------|-------------------|---|-----|------|------|----|------|
| Hoisting       | No of Falls       | 3                                       | 4   | 5    | 6    | 7  |      |
|                | Speed (m/min)     | 11.75                                   | 40  | 80   | 5.87 | 20 | 40   |
|                | Hoisting Load (t) | 2.5                                     | 2.5 | 1.28 | 5    | 5  | 2.56 |
|                | Power (kw)        | 5                                       | 18  | 18   | 5    | 18 | 18   |
| Slewing        | Speed (rpm)       | 0 ~ 0.6                                 |     |      |      |    |      |
|                | Power (kw)        | 2 x 2.2                                 |     |      |      |    |      |
| Trolley        | Speed (m/min)     | 40                                      | 20  |      |      |    |      |
|                | Power (kw)        | 3.3                                     | 2.2 |      |      |    |      |
| Climbing       | Speed (m/min)     | 0.55 - 0.7                              |     |      |      |    |      |
|                | Power (kw)        | 5.5                                     |     |      |      |    |      |
| Main Supply    |                   | 415V / 50Hz                             |     |      |      |    |      |
| Electric Power |                   | 25.7kw (32.1 kVA)                       |     |      |      |    |      |
| Variant Model  |                   | 6 Ton Max. Capacity Mechanism at 13.64m |     |      |      |    |      |

Outrigger Stationary

Chassis Stationary/Rail Mounted



|    |       |       |        |
|----|-------|-------|--------|
| F1 | ◇ 72t | △ 86t | ⊕ 32 t |
| F2 | ◇ 43t | △ 66t |        |



INNER CLIMBING

| Parameter | Value      |
|-----------|------------|
| A         | 8-12m      |
| B         | 1.6m       |
| C         | 2.2m       |
| D         | 2.2m       |
| E         | 0.26X0.36m |
| H         | 33.5m      |
| F3        | 23.5t      |
| F4        | 21.5t      |
| P         | 59t        |

Standard Height -140m

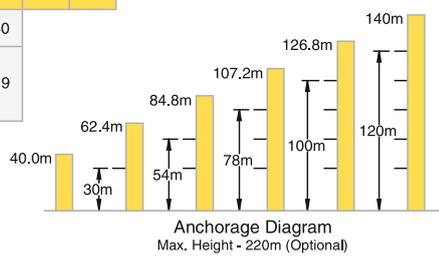
F Reaction ◇ In Service △ Out of Service ⊕ Dead weight without load and counter weights but with longest jib and free standing height.

P - Vertical Load

**FT 5540 Flat Top Tower Crane** **5 t**

**Load Capacity**

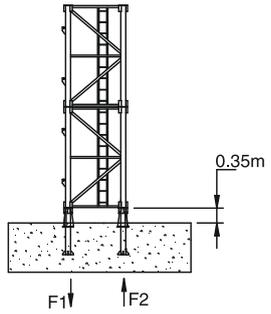
|                               |                   |          |     |     |     |      |      |      |      |      |      |     |      |      |      |     |      |      |     |     |
|-------------------------------|-------------------|----------|-----|-----|-----|------|------|------|------|------|------|-----|------|------|------|-----|------|------|-----|-----|
| Jib Length 55m                | Radius (m)        | 2.7-14   | 15  | 17  | 20  | 22   | 24   | 26   | 27   | 30   | 32   | 35  | 37   | 40   | 42   | 45  | 47   | 50   | 52  | 55  |
|                               | Hoisting Load (t) | 5.00     | 4.5 | 3.9 | 3.2 | 2.85 | 2.50 | 2.50 | 2.45 | 2.15 | 2.0  | 1.8 | 1.7  | 1.55 | 1.45 | 1.3 | 1.25 | 1.15 | 1.1 | 1.0 |
|                               |                   | 2.50     |     |     |     |      |      |      |      |      |      |     |      |      |      |     |      |      |     |     |
| Jib Length 50m                | Radius (m)        | 2.7-15.9 | 17  | 20  | 22  | 25   | 27   | 28   | 30   | 32   | 35   | 37  | 40   | 42   | 45   | 47  | 50   |      |     |     |
|                               | Hoisting Load (t) | 5.00     | 4.6 | 3.8 | 3.4 | 2.9  | 2.65 | 2.50 | 2.50 | 2.4  | 2.15 | 2.0 | 1.85 | 1.75 | 1.6  | 1.5 | 1.4  |      |     |     |
|                               |                   | 2.50     |     |     |     |      |      |      |      |      |      |     |      |      |      |     |      |      |     |     |
| Jib Length 45m                | Radius (m)        | 2.7-16.3 | 17  | 20  | 22  | 25   | 27   | 29   | 31   | 32   | 35   | 37  | 40   | 42   | 45   |     |      |      |     |     |
|                               | Hoisting Load (t) | 5.00     | 4.8 | 3.9 | 3.5 | 3.0  | 2.75 | 2.50 | 2.50 | 2.45 | 2.2  | 2.1 | 1.9  | 1.8  | 1.65 |     |      |      |     |     |
|                               |                   | 2.50     |     |     |     |      |      |      |      |      |      |     |      |      |      |     |      |      |     |     |
| Jib Length 40m                | Radius (m)        | 2.7-16.4 | 17  | 20  | 22  | 25   | 27   | 29   | 31   | 32   | 35   | 37  | 40   |      |      |     |      |      |     |     |
|                               | Hoisting Load (t) | 5.00     | 4.8 | 3.9 | 3.5 | 3.0  | 2.75 | 2.50 | 2.50 | 2.45 | 2.2  | 2.1 | 1.9  |      |      |     |      |      |     |     |
|                               |                   | 2.50     |     |     |     |      |      |      |      |      |      |     |      |      |      |     |      |      |     |     |
| Jib Length 35m, 30m, 25m, 20m | Radius (m)        | 2.7-16.4 | 17  | 20  | 22  | 25   | 27   | 29   | 31   | 32   | 35   |     |      |      |      |     |      |      |     |     |
|                               | Hoisting Load (t) | 5.00     | 4.8 | 3.9 | 3.5 | 3.0  | 2.75 | 2.50 | 2.50 | 2.45 | 2.2  |     |      |      |      |     |      |      |     |     |
|                               |                   | 2.50     |     |     |     |      |      |      |      |      |      |     |      |      |      |     |      |      |     |     |



**Specifications**

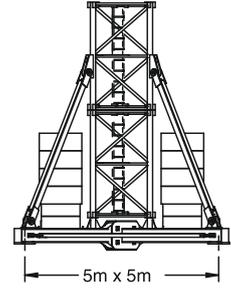
|                |                    |            |      |      |     |      |      |
|----------------|--------------------|------------|------|------|-----|------|------|
| Hoisting       | No of Falls        |            |      |      |     |      |      |
|                | Speed (m/min)      | 7          | 35   | 70   | 3.5 | 17.5 | 35   |
|                | Hoisting Load (t)  | 2.6        | 2.6  | 1.3  | 5.0 | 5.0  | 2.6  |
|                | Power (kw)         | 3.5        | 18.0 | 18.0 | 3.5 | 18.0 | 18.0 |
| Slewing        | Speed(rpm)         | 0 - 0.6    |      |      |     |      |      |
|                | Power(kw)          | 2 x 2.2    |      |      |     |      |      |
| Trolley        | Speed(m/min)       | 40         | 20   |      |     |      |      |
|                | Power(kw)          | 3.3        | 2.2  |      |     |      |      |
| Climbing       | Speed(m/min)       | 0.55 - 0.7 |      |      |     |      |      |
|                | Power(kw)          | 5.5        |      |      |     |      |      |
| Main Supply    | 415V / 50Hz        |            |      |      |     |      |      |
| Electric Power | 25.7 kw (32.1 kVA) |            |      |      |     |      |      |

Outrigger Stationary

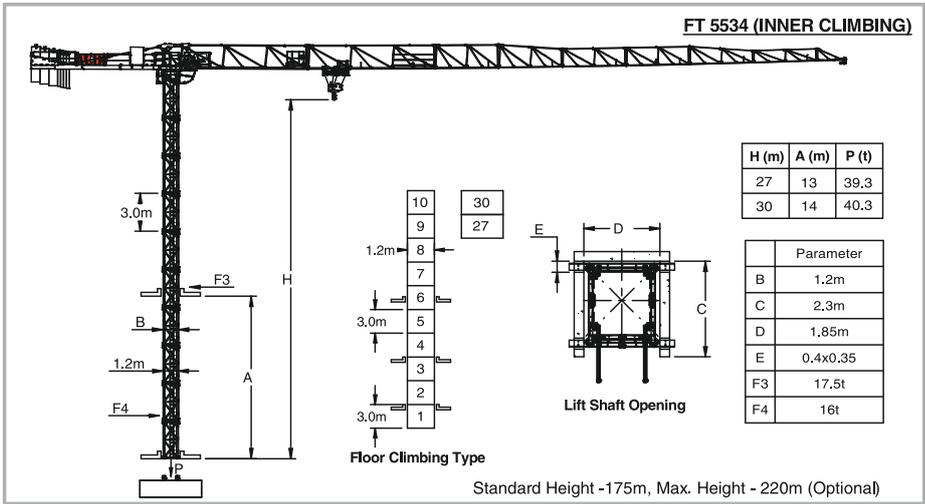
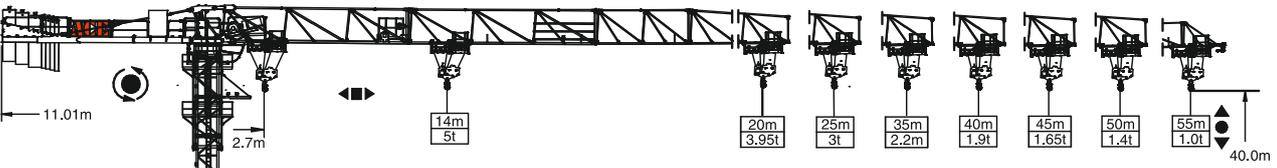


|    |       |        |
|----|-------|--------|
| F1 | ◇ 81t | △ 134t |
| F2 | ◇ 50t | △ 108t |

Chassis Stationary/Rail Mounted



|     |
|-----|
|     |
| 31t |



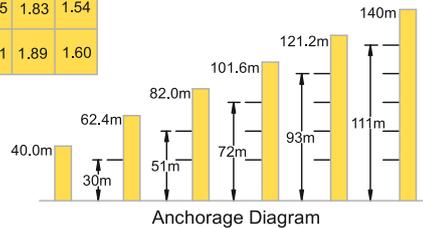
F Reaction ◇ In Service △ Out of Service Dead weight without load and counter weights but with longest jib and free standing height.  
P - Vertical load

# TC 6040 Tower Crane

5 t

## Load Capacity

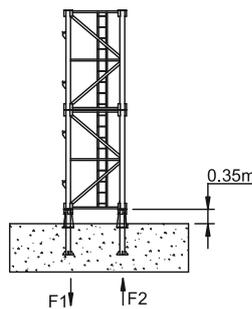
| Jib Length | Radius (m)        | Radius (m) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------------|-------------------|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|            |                   | 2.5~16     | 18   | 20   | 22   | 24   | 26   | 28   | 30   | 32   | 34   | 36   | 38   | 40   | 42   | 44   | 46   | 48   | 50   | 54   | 56   | 60   |      |
| 60m        | Hoisting Load (t) | 5.00       | 4.40 | 3.90 | 3.48 | 3.14 | 2.85 | 2.61 | 2.40 | 2.21 | 2.05 | 1.91 | 1.78 | 1.66 | 1.56 | 1.46 | 1.38 | 1.30 | 1.23 | 1.10 | 1.08 | 0.94 |      |
|            |                   | 2.50       |      |      |      |      |      |      |      |      |      | 2.27 | 2.11 | 1.97 | 1.84 | 1.72 | 1.62 | 1.52 | 1.44 | 1.36 | 1.29 | 1.16 | 1.14 |
| 54m        | Hoisting Load (t) | 5.00       | 4.83 | 4.28 | 3.83 | 3.46 | 3.15 | 2.88 | 2.65 | 2.45 | 2.27 | 2.12 | 1.98 | 1.85 | 1.74 | 1.64 | 1.54 | 1.46 | 1.24 |      |      |      |      |
|            |                   | 2.50       |      |      |      |      |      |      |      |      |      | 2.33 | 2.18 | 2.04 | 1.91 | 1.80 | 1.70 | 1.60 | 1.52 | 1.30 |      |      |      |
| 48m        | Hoisting Load (t) | 5.00       | 4.48 | 4.01 | 3.63 | 3.30 | 3.02 | 2.78 | 2.57 | 2.39 | 2.23 | 2.08 | 1.95 | 1.83 | 1.54 |      |      |      |      |      |      |      |      |
|            |                   | 2.50       |      |      |      |      |      |      |      |      |      | 2.29 | 2.14 | 2.01 | 1.89 | 1.60 |      |      |      |      |      |      |      |
| 42m        | Hoisting Load (t) | 5.00       | 4.48 | 4.01 | 3.63 | 3.30 | 3.02 | 2.78 | 2.57 | 2.39 | 2.23 | 1.83 |      |      |      |      |      |      |      |      |      |      |      |
|            |                   | 2.50       |      |      |      |      |      |      |      |      |      | 2.29 | 1.90 |      |      |      |      |      |      |      |      |      |      |



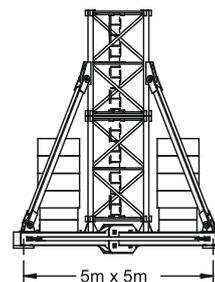
## Specifications

|                |                   |   |     |      |      |    |      |
|----------------|-------------------|---|-----|------|------|----|------|
| Hoisting       | No of Falls       | ☹                                       |     | ☹    |      |    |      |
|                | Speed (m/min)     | 11.75                                   | 40  | 80   | 5.87 | 20 | 40   |
|                | Hoisting Load (t) | 2.5                                     | 2.5 | 1.28 | 5    | 5  | 2.56 |
|                | Power (kw)        | 5                                       | 18  | 18   | 5    | 18 | 18   |
| Slewing        | Speed (rpm)       | 0 ~ 0.6                                 |     |      |      |    |      |
|                | Power (kw)        | 2 x 2.2                                 |     |      |      |    |      |
| Trolley        | Speed (m/min)     | 20                                      |     | 40   |      |    |      |
|                | Power (kw)        | 2.2                                     |     | 3.3  |      |    |      |
| Climbing       | Speed (m/min)     | 0.55 - 0.7                              |     |      |      |    |      |
|                | Power (kw)        | 7.5                                     |     |      |      |    |      |
| Main Supply    |                   | 415V / 50Hz                             |     |      |      |    |      |
| Electric Power |                   | 25.7 kw (32.1kVA)                       |     |      |      |    |      |
| Variant Model  |                   | 6 Ton Max. Capacity Mechanism at 13.76m |     |      |      |    |      |

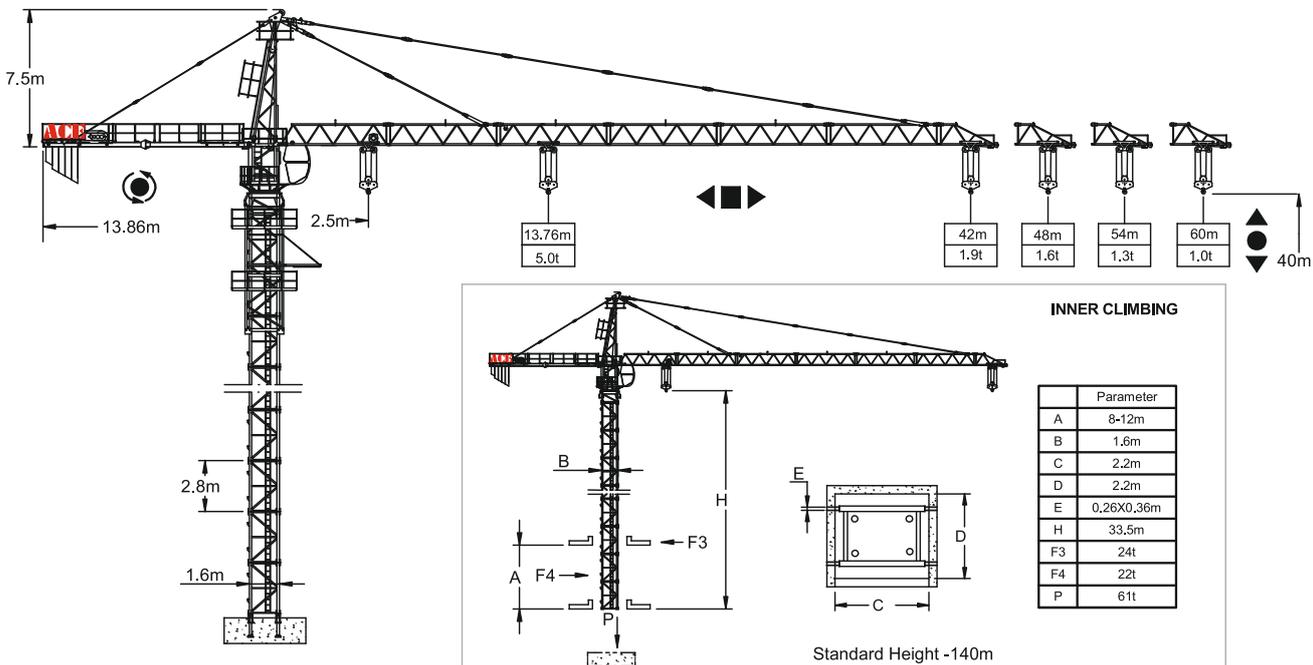
Outrigger Stationary



Chassis Stationary/Rail Mounted



|    |       |       |         |
|----|-------|-------|---------|
| F1 | ◇ 80t | △ 95t | ☹ 34.5t |
| F2 | ◇ 60t | △ 74t |         |



INNER CLIMBING

| Parameter | Value      |
|-----------|------------|
| A         | 8-12m      |
| B         | 1.6m       |
| C         | 2.2m       |
| D         | 2.2m       |
| E         | 0,26X0,36m |
| H         | 33.5m      |
| F3        | 24t        |
| F4        | 22t        |
| P         | 61t        |

Standard Height -140m

F Reaction ◇ In Service △ Out of Service ☹ Dead weight without load and counter weights but with longest jib and free standing height.  
P - Vertical Load

**FT 6040 - 6T Flat Top Tower Crane** **6 t**

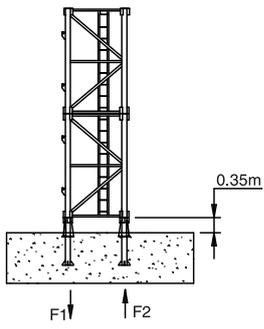
**Load Capacity**

| Jib Length | Radius (m)        |                   | 2.5-10.0 | 15.0 | 17.5 | 20.0 | 22.5 | 25.0 | 27.5 | 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 |      |
|------------|-------------------|-------------------|----------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|
|            | 60m               | Hoisting Load (t) |          | 6.00 | 5.46 | 5.05 | 4.32 | 3.75 | 3.29 | 2.92 | 2.61 | 2.35 | 2.13 | 1.94 | 1.77  | 1.63 | 1.50 | 1.38 | 1.28 | 1.18 | 1.10 | 1.02 | 0.95 |
|            |                   |                   | 2.50     |      |      |      |      |      |      |      |      |      | 2.41 | 2.19 | 1.99  | 1.83 | 1.68 | 1.55 | 1.43 | 1.33 | 1.24 | 1.15 | 1.07 |
| 55m        | Radius (m)        |                   | 2.5-10.0 | 15.0 | 17.5 | 20.0 | 22.5 | 25.0 | 27.5 | 30.0 | 32.5 | 35.0 | 37.5 | 40.0 | 42.5  | 45.0 | 47.5 | 50.0 | 52.5 | 55.0 |      |      |      |
| 55m        | Hoisting Load (t) |                   | 6.00     | 5.57 | 5.10 | 4.46 | 3.87 | 3.40 | 3.02 | 2.70 | 2.44 | 2.21 | 2.01 | 1.84 | 1.69  | 1.56 | 1.44 | 1.33 | 1.23 | 1.15 |      |      |      |
|            |                   |                   | 2.50     |      |      |      |      |      |      |      |      |      | 2.49 | 2.27 | 2.07  | 1.90 | 1.75 | 1.61 | 1.49 | 1.39 | 1.29 | 1.20 |      |
| 50m        | Radius (m)        |                   | 2.5-10.0 | 15.0 | 17.5 | 20.0 | 22.5 | 25.0 | 27.5 | 30.0 | 32.5 | 35.0 | 37.5 | 40.0 | 42.5  | 45.0 | 47.5 | 50.0 |      |      |      |      |      |
| 50m        | Hoisting Load (t) |                   | 6.00     | 5.68 | 5.18 | 4.76 | 4.13 | 3.64 | 3.23 | 2.90 | 2.62 | 2.38 | 2.17 | 1.99 | 1.83  | 1.69 | 1.56 | 1.45 |      |      |      |      |      |
|            |                   |                   | 2.50     |      |      |      |      |      |      |      |      |      | 2.43 | 2.22 | 2.04  | 1.88 | 1.74 | 1.61 | 1.50 |      |      |      |      |
| 45m        | Radius (m)        |                   | 2.5-10.0 | 15.0 | 17.5 | 20.0 | 22.5 | 25.0 | 27.5 | 30.0 | 32.5 | 35.0 | 37.5 | 40.0 | 42.04 | 45.0 |      |      |      |      |      |      |      |
| 45m        | Hoisting Load (t) |                   | 6.00     | 5.76 | 5.25 | 4.89 | 4.25 | 3.75 | 3.33 | 2.99 | 2.70 | 2.45 | 2.24 | 2.05 | 1.89  | 1.75 |      |      |      |      |      |      |      |
|            |                   |                   | 2.50     |      |      |      |      |      |      |      |      |      | 2.29 | 2.11 | 1.95  | 1.80 |      |      |      |      |      |      |      |
| 40m        | Radius (m)        |                   | 2.5-10.0 | 15.0 | 17.5 | 20.0 | 22.5 | 25.0 | 27.5 | 30.0 | 32.5 | 35.0 | 37.5 | 40.0 |       |      |      |      |      |      |      |      |      |
| 40m        | Hoisting Load (t) |                   | 6.00     | 5.83 | 5.30 | 5.12 | 4.42 | 3.89 | 3.47 | 3.11 | 2.81 | 2.56 | 2.34 | 2.15 |       |      |      |      |      |      |      |      |      |
|            |                   |                   | 2.50     |      |      |      |      |      |      |      |      |      | 2.39 | 2.20 |       |      |      |      |      |      |      |      |      |
| 35m        | Radius (m)        |                   | 2.5-15.0 | 17.5 | 20.0 | 22.5 | 25.0 | 27.5 | 30.0 | 32.5 | 35.0 |      |      |      |       |      |      |      |      |      |      |      |      |
| 35m        | Hoisting Load (t) |                   | 6.00     | 5.52 | 5.05 | 4.56 | 4.02 | 3.58 | 3.21 | 2.91 | 2.65 |      |      |      |       |      |      |      |      |      |      |      |      |
|            |                   |                   | 2.50     |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |      |
| 30m        | Radius (m)        |                   | 2.5-15.0 | 17.5 | 20.0 | 22.5 | 25.0 | 27.5 | 30.0 |      |      |      |      |      |       |      |      |      |      |      |      |      |      |
| 30m        | Hoisting Load (t) |                   | 6.00     | 5.64 | 5.00 | 4.67 | 4.12 | 3.67 | 3.30 |      |      |      |      |      |       |      |      |      |      |      |      |      |      |
|            |                   |                   | 2.50     |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |      |

**Specifications**

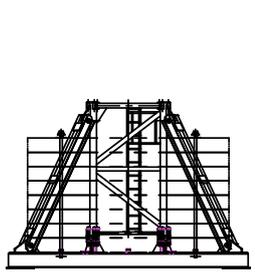
|                |                    |            |     |     |     |      |    |
|----------------|--------------------|------------|-----|-----|-----|------|----|
| Hoisting       | No of Falls        |            |     |     |     |      |    |
|                | Speed (m/min)      | 9          | 39  | 80  | 4.5 | 19.5 | 40 |
|                | Hoisting Load (t)  | 3          | 3   | 1.5 | 6   | 6    | 3  |
|                | Power (kw)         | 5.4        | 24  | 24  | 5.4 | 24   | 24 |
| Slewing        | Speed (rpm)        | 0 ~ 0.6    |     |     |     |      |    |
|                | Power (kw)         | 2X2.2      |     |     |     |      |    |
| Trolley        | Speed (m/min)      | 20         | 40  |     |     |      |    |
|                | Power (kw)         | 2.2        | 3.3 |     |     |      |    |
| Climbing       | Speed (m/min)      | 0.55 - 0.7 |     |     |     |      |    |
|                | Power (kw)         | 7.5        |     |     |     |      |    |
| Main Supply    | 415V / 50Hz        |            |     |     |     |      |    |
| Electric Power | 31.7kw (39.63 kVA) |            |     |     |     |      |    |

Outrigger Stationary

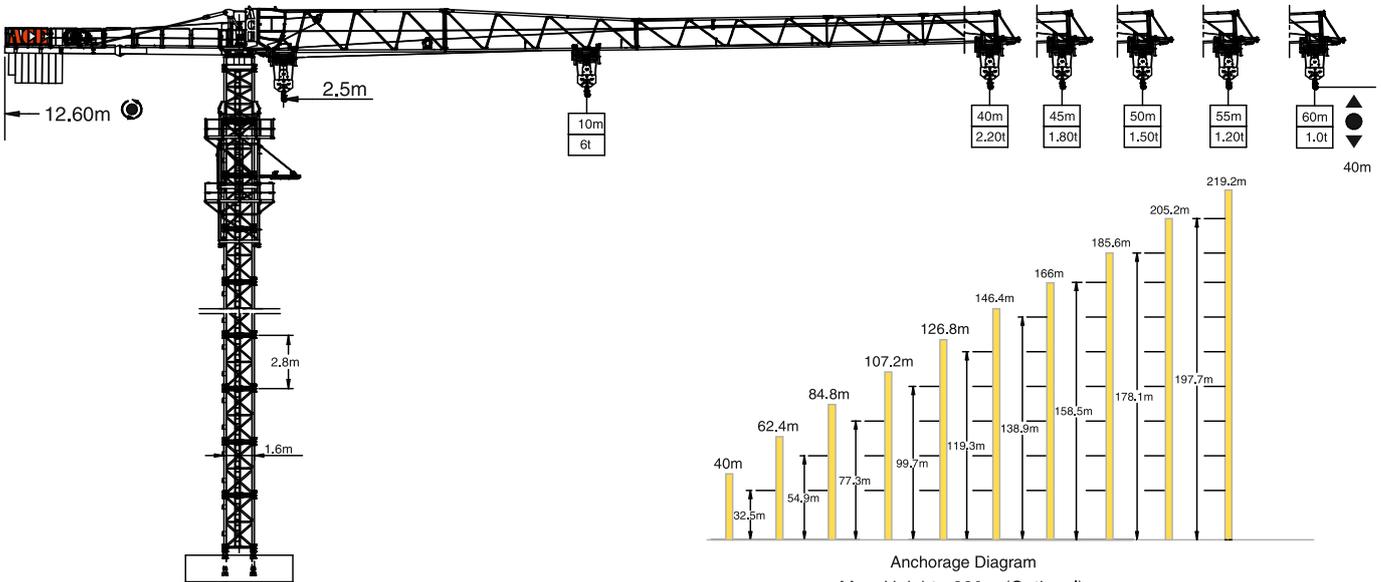


|    |  |     |  |      |
|----|--|-----|--|------|
| F1 |  | 92t |  | 114t |
| F2 |  | 64t |  | 87t  |

Chassis Stationary/Rail Mounted



|  |     |
|--|-----|
|  | 33t |
|--|-----|



Anchorage Diagram  
Max. Height - 220m (Optional)

F Reaction In Service Out of Service Dead weight without load and counter weights but with longest jib and free standing height.  
P - Vertical Load

# FT 6040 - 8T Flat Top Tower Crane

8 t

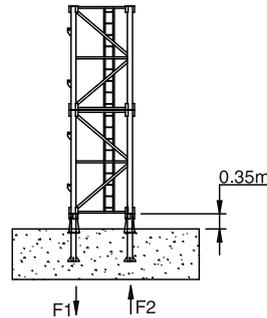
## Load Capacity

| Jib Length              | Radius (m)        |                   | 2.5-14.1  | 15   | 17.5 | 20   | 22.5 | 26   | 30    | 32.5 | 35   | 37.5 | 40   | 42.5 | 45   | 47.5 | 50   | 52.5 | 55   | 57.5 | 60   |      |
|-------------------------|-------------------|-------------------|-----------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                         | 60m               | Hoisting Load (t) |           | 8.00 | 7.43 | 6.19 | 5.27 | 4.56 | 3.80  | 3.17 | 2.85 | 2.58 | 2.35 | 2.14 | 1.96 | 1.80 | 1.66 | 1.53 | 1.42 | 1.31 | 1.22 | 1.10 |
|                         |                   |                   | 4.00      |      |      |      |      |      |       |      | 3.37 | 3.05 | 2.78 | 2.55 | 2.34 | 2.16 | 2.00 | 1.86 | 1.73 | 1.62 | 1.51 | 1.42 |
| Jib Length 55m          | Radius (m)        |                   | 2.5-14.86 | 15   | 17.5 | 20   | 22.5 | 25   | 27.5  | 32.5 | 35   | 37.5 | 40   | 42.5 | 45   | 47.5 | 50   | 52.5 | 55   |      |      |      |
|                         | Hoisting Load (t) |                   | 8.00      | 7.91 | 6.59 | 5.62 | 4.87 | 4.28 | 3.8   | 3.06 | 2.78 | 2.53 | 2.31 | 2.12 | 1.95 | 1.80 | 1.67 | 1.55 | 1.40 |      |      |      |
|                         |                   |                   | 4.00      |      |      |      |      |      |       |      | 3.26 | 2.98 | 2.73 | 2.51 | 2.32 | 2.15 | 2.00 | 1.87 | 1.75 | 1.60 |      |      |
| Jib Length 50m          | Radius (m)        |                   | 2.5-15.84 | 17.5 | 20   | 22.5 | 25   | 27.5 | 29.37 | 35   | 37.5 | 40   | 42.5 | 45   | 47.5 | 50   |      |      |      |      |      |      |
|                         | Hoisting Load (t) |                   | 8.00      | 7.12 | 6.08 | 5.28 | 4.64 | 4.13 | 3.80  | 3.03 | 2.77 | 2.54 | 2.33 | 2.15 | 1.99 | 1.80 |      |      |      |      |      |      |
|                         |                   |                   | 4.00      |      |      |      |      |      |       |      | 3.23 | 2.97 | 2.74 | 2.53 | 2.35 | 2.19 | 2.00 |      |      |      |      |      |
| Jib Length 45m          | Radius (m)        |                   | 2.5-16.38 | 17.5 | 20   | 22.5 | 25   | 27.5 | 30.38 | 35   | 37.5 | 40   | 42.5 | 45   |      |      |      |      |      |      |      |      |
|                         | Hoisting Load (t) |                   | 8.00      | 7.40 | 6.32 | 5.49 | 4.84 | 4.3  | 3.80  | 3.17 | 2.90 | 2.66 | 2.45 | 2.20 |      |      |      |      |      |      |      |      |
|                         |                   |                   | 4.00      |      |      |      |      |      |       |      | 3.37 | 3.10 | 2.86 | 2.65 | 2.40 |      |      |      |      |      |      |      |
| Jib Length 40m, 35M 30m | Radius (m)        |                   | 2.5-16.91 | 17.5 | 20   | 22.5 | 25   | 27.5 | 31.4  | 35   | 37.5 | 40   |      |      |      |      |      |      |      |      |      |      |
|                         | Hoisting Load (t) |                   | 8.00      | 7.69 | 6.57 | 5.71 | 5.03 | 4.48 | 3.80  | 3.31 | 3.02 | 2.70 |      |      |      |      |      |      |      |      |      |      |
|                         |                   |                   | 4.00      |      |      |      |      |      |       |      | 3.51 | 3.22 | 2.90 |      |      |      |      |      |      |      |      |      |

## Specifications

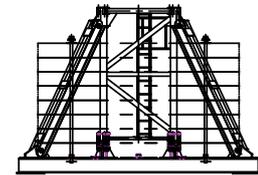
|                |                    |                                 |  |
|----------------|--------------------|---------------------------------|--|
| Hoisting       | No of Falls        |                                 |  |
|                | Speed (m/min)      | 0-50 0-75 0-100 0-50 0-75 0-100 |  |
|                | Hoisting Load (t)  | 4 2.8 2 8 5.6 4                 |  |
|                | Power (kw)         | 30 30 30 30 30 30               |  |
| Slewing        | Speed(rpm)         | 0 ~ 0.6                         |  |
|                | Power(kw)          | 2X4KW                           |  |
| Trolley        | Speed(m/min)       | 40 20                           |  |
|                | Power(kw)          | 3.3 2.2                         |  |
| Climbing       | Speed(m/min)       | 0.55 - 0.7                      |  |
|                | Power(kw)          | 7.5                             |  |
| Main Supply    | 415V / 50Hz        |                                 |  |
| Electric Power | 41.3kw (51.62 kVA) |                                 |  |

Outrigger Stationary

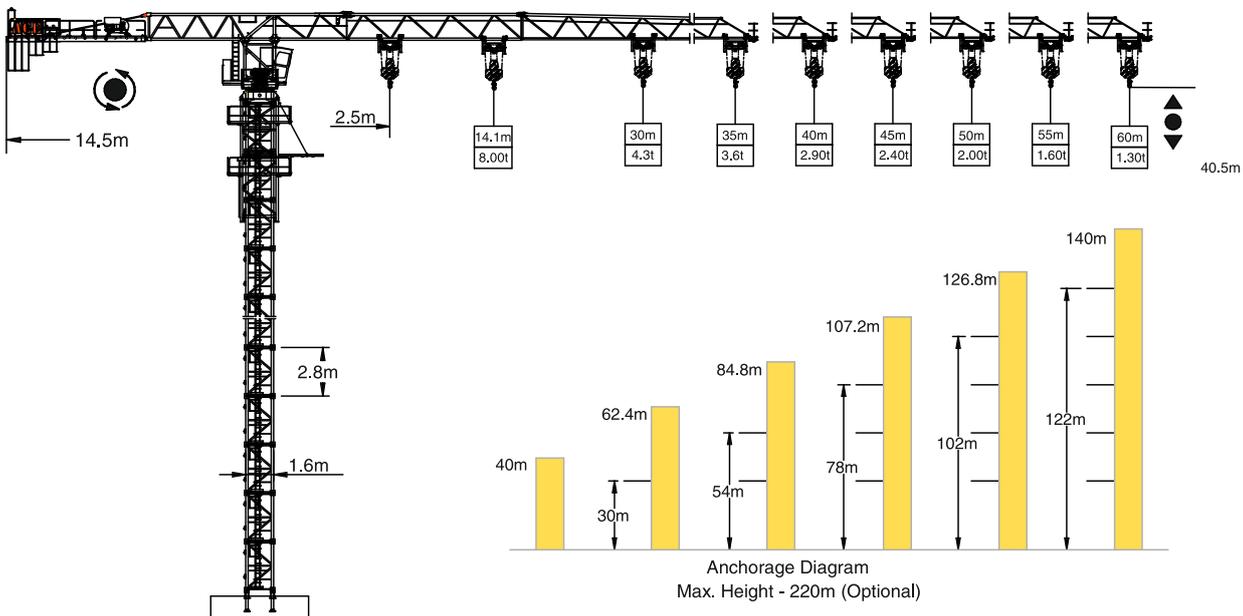


|    |       |        |
|----|-------|--------|
| F1 | ◇ 96t | △ 140t |
| F2 | ◇ 66t | △ 112t |

Chassis Stationary/Rail Mounted



|     |
|-----|
|     |
| 40t |

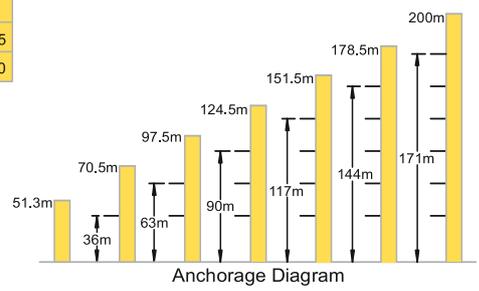


F Reaction ◇ In Service △ Out of Service Dead weight without load and counter weights but with longest jib and free standing height.  
P - Vertical Load

# TC 6552 Tower Crane 10 t

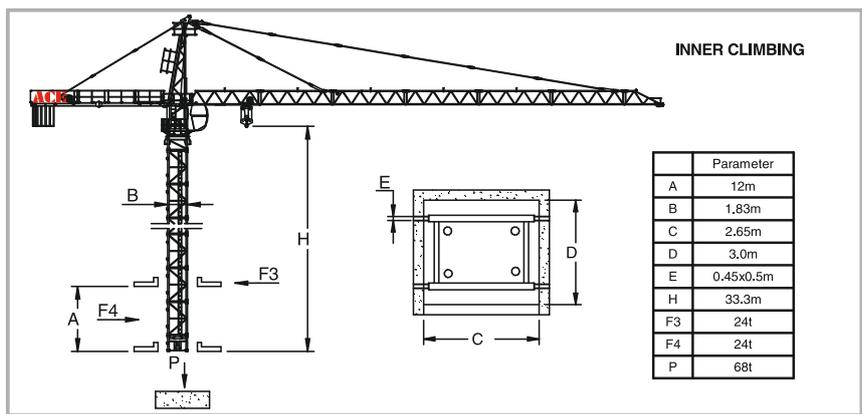
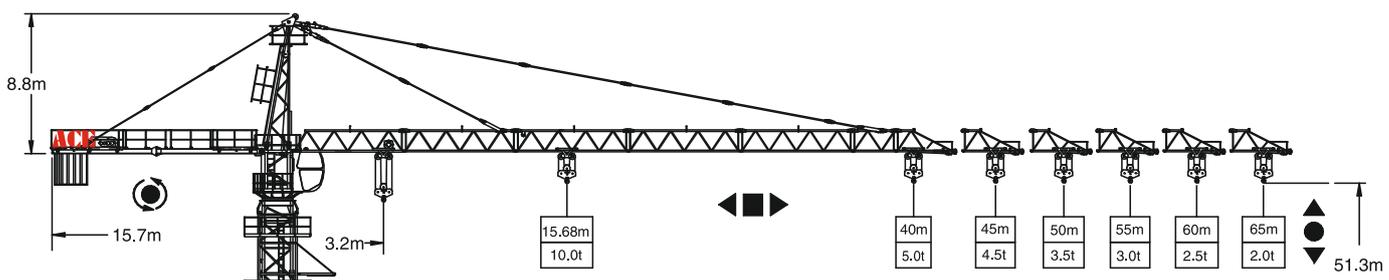
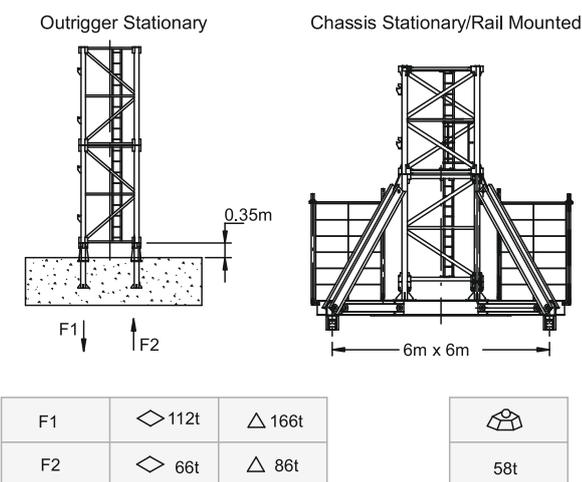
## Load Capacity

|                    |                   |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-------------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Jib Length 65m     | Radius (m)        | 3.2~15.68 | 18   | 20   | 22   | 25   | 28   | 30   | 32   | 35   | 38   | 40   | 42   | 45   | 48   | 50   | 52   | 55   | 58   | 60   | 63   | 65   |
|                    | Hoisting Load (t) | 10.00     | 8.48 | 7.47 | 6.65 | 5.68 | 4.92 | 4.51 | 4.15 | 3.68 | 3.30 | 3.07 | 2.87 | 2.60 | 2.36 | 2.22 | 2.09 | 1.92 | 1.76 | 1.66 | 1.53 | 1.45 |
| Jib Length 60m     | Radius (m)        | 3.2~17.2  | 18   | 20   | 22   | 25   | 28   | 30   | 32   | 35   | 38   | 40   | 42   | 45   | 48   | 50   | 52   | 55   | 58   | 60   |      |      |
|                    | Hoisting Load (t) | 10.00     | 9.48 | 8.36 | 7.45 | 6.38 | 5.55 | 5.09 | 4.69 | 4.18 | 3.75 | 3.50 | 3.28 | 2.98 | 2.72 | 2.57 | 2.42 | 2.23 | 2.05 | 1.95 |      |      |
| Jib Length 55m     | Radius (m)        | 3.2~18.27 | 20   | 22   | 25   | 28   | 30   | 32   | 35   | 38   | 40   | 42   | 45   | 48   | 50   | 53   | 55   |      |      |      |      |      |
|                    | Hoisting Load (t) | 10.00     | 9.04 | 8.02 | 6.70 | 5.99 | 5.50 | 5.07 | 4.53 | 4.07 | 3.81 | 3.57 | 3.25 | 2.97 | 2.81 | 2.58 | 2.45 |      |      |      |      |      |
| Jib Length 50m     | Radius (m)        | 3.2~18.88 | 20   | 22   | 25   | 28   | 30   | 32   | 35   | 38   | 40   | 42   | 45   | 48   | 50   |      |      |      |      |      |      |      |
|                    | Hoisting Load (t) | 10.00     | 9.34 | 8.35 | 7.16 | 6.24 | 5.74 | 5.30 | 4.73 | 4.26 | 3.98 | 3.74 | 3.41 | 3.12 | 2.95 |      |      |      |      |      |      |      |
| Jib Length 45m,40m | Radius (m)        | 3.2~21.1  | 22   | 25   | 28   | 30   | 32   | 35   | 38   | 40   | 42   | 45   |      |      |      |      |      |      |      |      |      |      |
|                    | Hoisting Load (t) | 10.00     | 9.55 | 8.22 | 7.19 | 6.61 | 6.11 | 5.48 | 4.95 | 4.64 | 4.36 | 3.95 |      |      |      |      |      |      |      |      |      |      |



## Specifications

|                |                   |         |        |
|----------------|-------------------|---------|--------|
| Hoisting       | No of Falls       |         |        |
|                | Speed (m/min)     | 0 ~ 45  | 0 ~ 90 |
|                | Hoisting Load (t) | 5.0     | 2.5    |
|                | Power (kw)        | 45      | 45     |
| Slewing        | Speed (rpm)       | 0 ~ 0.6 |        |
|                | Power (kw)        | 2 x 5.5 |        |
| Trolley        | Speed (m/min)     | 0 ~ 60  |        |
|                | Power (kw)        | 5.5     |        |
| Climbing       | Speed (m/min)     | 0.6     |        |
|                | Power (kw)        | 11      |        |
| Main Supply    | 415V / 50Hz       |         |        |
| Electric Power | 61.5kw (76.9kVA)  |         |        |



F Reaction ◇ In Service △ Out of Service Dead weight without load and counter weights but with longest jib and free standing height.  
 P Vertical Load

# FT 7052 - Flat Top Tower Crane

10 t

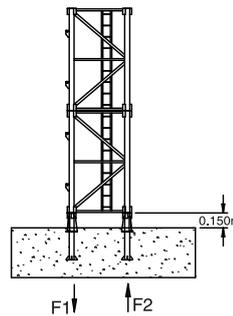
## Load Capacity

| Jib Length | Radius (m)        |                   | 2,7-16,92 | 17,5 | 20,0 | 22,5 | 25,0 | 27,5 | 30,5  | 32,5  | 35,0  | 37,5 | 40,0 | 42,5 | 45,0 | 47,5 | 50,0 | 52,5 | 55,0 | 57,5 | 60,0 | 62,5 | 65,0 | 67,5 | 70,0 |      |
|------------|-------------------|-------------------|-----------|------|------|------|------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|            | 70m               | Hoisting Load (t) |           | 10,0 | 9,61 | 8,20 | 7,12 | 6,27 | 5,57  | 4,90  | 4,52  | 4,11 | 3,76 | 3,45 | 3,18 | 2,94 | 2,73 | 2,53 | 2,36 | 2,20 | 2,06 | 1,93 | 1,81 | 1,70 | 1,60 | 1,50 |
|            |                   |                   | 5,0       |      |      |      |      |      |       | 4,62  | 4,21  | 3,86 | 3,55 | 3,28 | 3,04 | 2,83 | 2,63 | 2,46 | 2,30 | 2,16 | 2,03 | 1,91 | 1,80 | 1,70 | 1,60 |      |
| 65m        | Radius (m)        |                   | 2,7-18,67 | 20,0 | 22,5 | 25,0 | 27,5 | 30,0 | 33,75 | 35,0  | 37,5  | 40,0 | 42,5 | 45,0 | 47,5 | 50,0 | 52,5 | 55,0 | 57,5 | 60,0 | 62,5 | 65,0 |      |      |      |      |
|            | Hoisting Load (t) |                   | 10,0      | 9,22 | 8,02 | 7,07 | 6,31 | 5,67 | 4,90  | 4,68  | 4,29  | 3,95 | 3,65 | 3,38 | 3,14 | 2,93 | 2,74 | 2,56 | 2,40 | 2,26 | 2,12 | 2,0  |      |      |      |      |
|            |                   |                   | 5,0       |      |      |      |      |      |       | 4,78  | 4,39  | 4,05 | 3,75 | 3,48 | 3,24 | 3,03 | 2,84 | 2,66 | 2,50 | 2,36 | 2,22 | 2,10 |      |      |      |      |
| 60m        | Radius (m)        |                   | 2,7-19,97 | 20,0 | 22,5 | 25,0 | 27,5 | 30,0 | 32,5  | 36,16 | 37,5  | 40,0 | 42,5 | 45,0 | 47,5 | 50,0 | 52,5 | 55,0 | 57,5 | 60,0 |      |      |      |      |      |      |
|            | Hoisting Load (t) |                   | 10,0      | 9,9  | 8,69 | 7,67 | 6,85 | 6,17 | 5,59  | 4,90  | 4,68  | 4,31 | 3,99 | 3,71 | 3,45 | 3,22 | 3,01 | 2,83 | 2,66 | 2,50 |      |      |      |      |      |      |
|            |                   |                   | 5,0       |      |      |      |      |      |       | 4,78  | 4,41  | 4,09 | 3,81 | 3,55 | 3,32 | 3,11 | 2,93 | 2,76 | 2,60 |      |      |      |      |      |      |      |
| 55m        | Radius (m)        |                   | 2,7-22,0  | 22,5 | 25,0 | 27,5 | 30,0 | 32,5 | 35,0  | 38,64 | 40,0  | 42,5 | 45,0 | 47,5 | 50,0 | 52,5 | 55,0 |      |      |      |      |      |      |      |      |      |
|            | Hoisting Load (t) |                   | 10,0      | 9,38 | 8,29 | 7,41 | 6,67 | 6,06 | 5,54  | 4,90  | 4,69  | 4,35 | 4,04 | 3,77 | 3,60 | 3,55 | 3,50 |      |      |      |      |      |      |      |      |      |
|            |                   |                   | 5,0       |      |      |      |      |      |       | 4,79  | 4,45  | 4,14 | 3,87 | 3,70 | 3,65 | 3,60 |      |      |      |      |      |      |      |      |      |      |
| 50m        | Radius (m)        |                   | 2,7-22,53 | 25,0 | 27,5 | 30,0 | 32,5 | 35,0 | 37,5  | 40,93 | 42,5  | 45,0 | 47,5 | 50,0 |      |      |      |      |      |      |      |      |      |      |      |      |
|            | Hoisting Load (t) |                   | 10,0      | 8,86 | 7,92 | 7,15 | 6,49 | 5,94 | 5,49  | 4,90  | 4,68  | 4,35 | 4,06 | 3,80 |      |      |      |      |      |      |      |      |      |      |      |      |
|            |                   |                   | 5,0       |      |      |      |      |      |       | 4,78  | 4,45  | 4,16 | 3,90 |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 45m        | Radius (m)        |                   | 2,7-23,13 | 25,0 | 27,5 | 30,0 | 32,5 | 35,0 | 37,5  | 40,0  | 42,04 | 45,0 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|            | Hoisting Load (t) |                   | 10,0      | 9,13 | 8,17 | 7,37 | 6,70 | 6,13 | 5,64  | 5,21  | 4,90  | 4,50 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|            |                   |                   | 5,0       |      |      |      |      |      |       | 4,60  |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 40m        | Radius (m)        |                   | 2,7-23,44 | 25,0 | 27,5 | 30,0 | 32,5 | 35,0 | 37,5  | 40,0  |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|            | Hoisting Load (t) |                   | 10,0      | 9,28 | 8,30 | 7,49 | 6,81 | 6,23 | 5,74  | 5,30  |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|            |                   |                   | 5,0       |      |      |      |      |      |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 35m        | Radius (m)        |                   | 2,7-23,64 | 25,0 | 27,5 | 30,0 | 32,5 | 35,0 |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|            | Hoisting Load (t) |                   | 10,0      | 9,37 | 8,39 | 7,57 | 6,88 | 6,30 |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|            |                   |                   | 5,0       |      |      |      |      |      |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 30m        | Radius (m)        |                   | 2,7-23,72 | 25,0 | 27,5 | 30,0 |      |      |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|            | Hoisting Load (t) |                   | 10,0      | 9,41 | 8,42 | 7,60 |      |      |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|            |                   |                   | 5,0       |      |      |      |      |      |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |

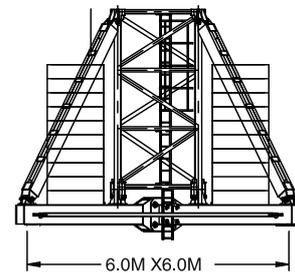
## Specifications

|                |                     |         |        |
|----------------|---------------------|---------|--------|
| Hoisting       | No of Falls         |         |        |
|                | Speed (m/min)       | 0 ~ 45  | 0 ~ 90 |
|                | Hoisting Load (t)   | 5.0     | 10.0   |
|                | Power (kw)          | 45      | 45     |
| Slewing        | Speed (rpm)         | 0 ~ 0.7 |        |
|                | Power (kw)          | 2 x 7.5 |        |
| Trolley        | Speed (m/min)       | 0 ~ 60  |        |
|                | Power (kw)          | 5.5     |        |
| Climbing       | Speed (m/min)       | 0.8     |        |
|                | Power (kw)          | 15      |        |
| Main Supply    | 415V / 50Hz         |         |        |
| Electric Power | 65.5kW (81.875 kVA) |         |        |

Outrigger Stationary

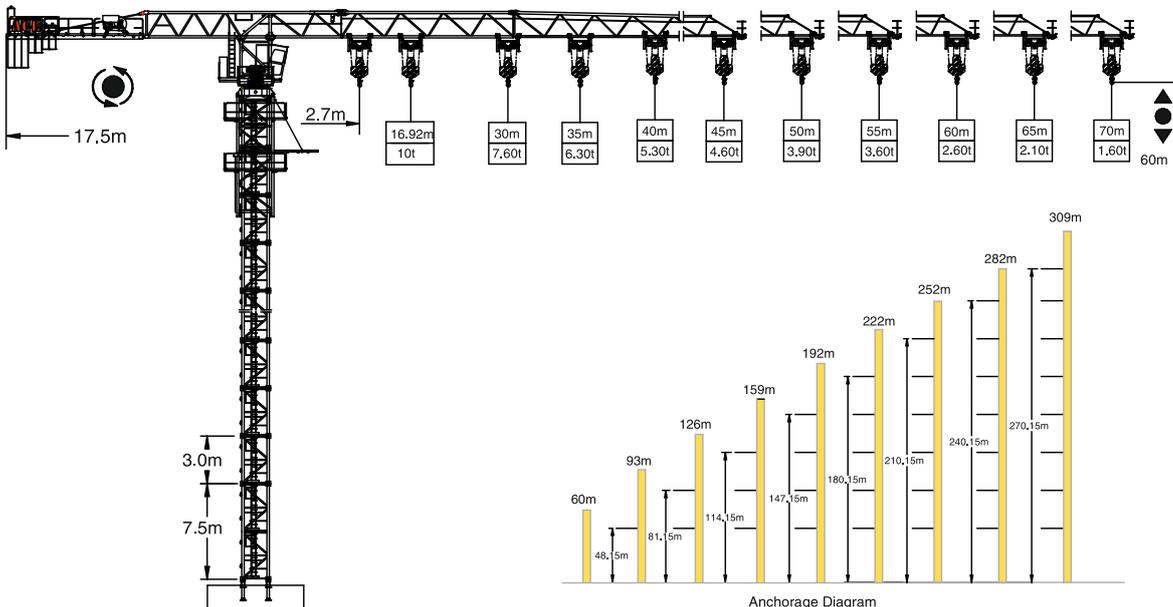


Chassis Stationary/Rail Mounted



|    |  |      |  |      |
|----|--|------|--|------|
| F1 |  | 154t |  | 204t |
| F2 |  | 83t  |  | 148t |

|  |       |
|--|-------|
|  | 64.2t |
|--|-------|



F Reaction In Service Out of Service Dead weight without load and counter weights but with longest jib and free standing height.  
P - Vertical Load

**TC 7054 Tower Crane** **16 t**

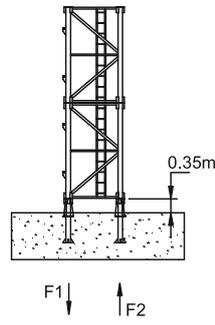
**Load Capacity**

|                |                   |           |       |       |       |      |      |      |      |      |      |      |      |
|----------------|-------------------|-----------|-------|-------|-------|------|------|------|------|------|------|------|------|
| Jib Length 70m | Radius (m)        | 3.75~18.0 | 23    | 25    | 30    | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   |
|                | Hoisting Load (t) | 16.00     | 12.30 | 11.20 | 8.90  | 7.34 | 6.16 | 5.26 | 4.55 | 3.95 | 3.48 | 3.07 | 2.72 |
|                |                   | 8.00      |       |       |       |      | 7.60 | 6.04 | 5.32 | 4.74 | 4.26 | 3.85 | 3.50 |
| Jib Length 65m | Radius (m)        | 3.75~19.7 | 23    | 25    | 30    | 35   | 40   | 45   | 50   | 55   | 60   | 65   |      |
|                | Hoisting Load (t) | 16.00     | 13.30 | 12.0  | 9.67  | 7.99 | 6.74 | 5.77 | 5.01 | 4.38 | 3.86 | 3.42 |      |
|                |                   | 8.00      |       |       |       |      | 7.52 | 6.55 | 5.78 | 5.16 | 4.64 | 4.20 |      |
| Jib Length 60m | Radius (m)        | 3.75~20.5 | 23    | 25    | 30    | 35   | 40   | 45   | 50   | 55   | 60   |      |      |
|                | Hoisting Load (t) | 16.00     | 14.0  | 12.7  | 10.2  | 8.44 | 7.14 | 6.13 | 5.32 | 4.67 | 4.12 |      |      |
|                |                   | 8.00      |       |       |       |      | 7.91 | 6.90 | 6.10 | 5.44 | 4.90 |      |      |
| Jib Length 55m | Radius (m)        | 3.75~21.3 | 23    | 25    | 30    | 35   | 40   | 45   | 50   | 55   |      |      |      |
|                | Hoisting Load (t) | 16.00     | 14.6  | 13.3  | 10.7  | 8.85 | 7.49 | 6.44 | 5.60 | 4.92 |      |      |      |
|                |                   | 8.00      |       |       |       |      | 7.22 | 6.38 | 5.70 |      |      |      |      |
| Jib Length 50m | Radius (m)        | 3.75~22.2 | 25    | 30    | 35    | 40   | 45   | 50   |      |      |      |      |      |
|                | Hoisting Load (t) | 16.00     | 13.9  | 11.2  | 9.41  | 7.89 | 6.80 | 5.92 |      |      |      |      |      |
|                |                   | 8.00      |       |       |       |      | 7.57 | 6.70 |      |      |      |      |      |
| Jib Length 45m | Radius (m)        | 3.75~23.7 | 25    | 30    | 35    | 40   | 45   |      |      |      |      |      |      |
|                | Hoisting Load (t) | 16.00     | 15.10 | 12.2  | 10.10 | 8.60 | 7.42 |      |      |      |      |      |      |
|                |                   | 8.00      |       |       |       |      |      |      |      |      |      |      |      |
| Jib Length 40m | Radius (m)        | 3.75~24   | 25    | 30    | 35    | 40   |      |      |      |      |      |      |      |
|                | Hoisting Load (t) | 16.00     | 15.3  | 12.3  | 10.3  | 8.72 |      |      |      |      |      |      |      |
|                |                   | 8.00      |       |       |       |      |      |      |      |      |      |      |      |

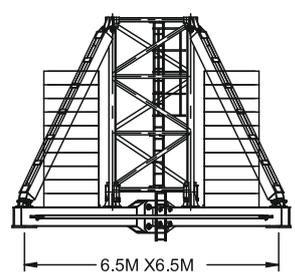
**Specifications**

|                |                     |          |        |
|----------------|---------------------|----------|--------|
| Hoisting       | No of Falls         |          |        |
|                | Speed (m/min)       | 0 ~ 37.5 | 0 ~ 75 |
|                | Hoisting Load (t)   | 8.0      | 3.0    |
|                | Power (kw)          | 60       | 60     |
| Slewing        | Speed (rpm)         | 0 ~ 0.8  |        |
|                | Power (kw)          | 2 x 9    |        |
| Trolley        | Speed (m/min)       | 0 ~ 58   |        |
|                | Power (kw)          | 7.5      |        |
| Climbing       | Speed (m/min)       | 0.5      |        |
|                | Power (kw)          | 15       |        |
| Main Supply    | 415V / 50Hz         |          |        |
| Electric Power | 85.5 kw (106.87kVA) |          |        |

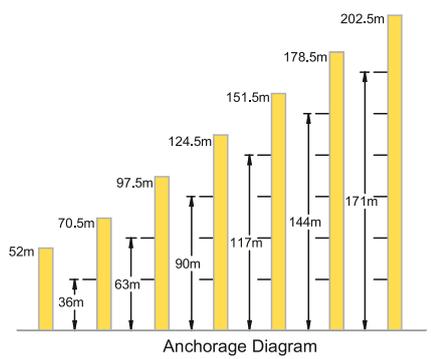
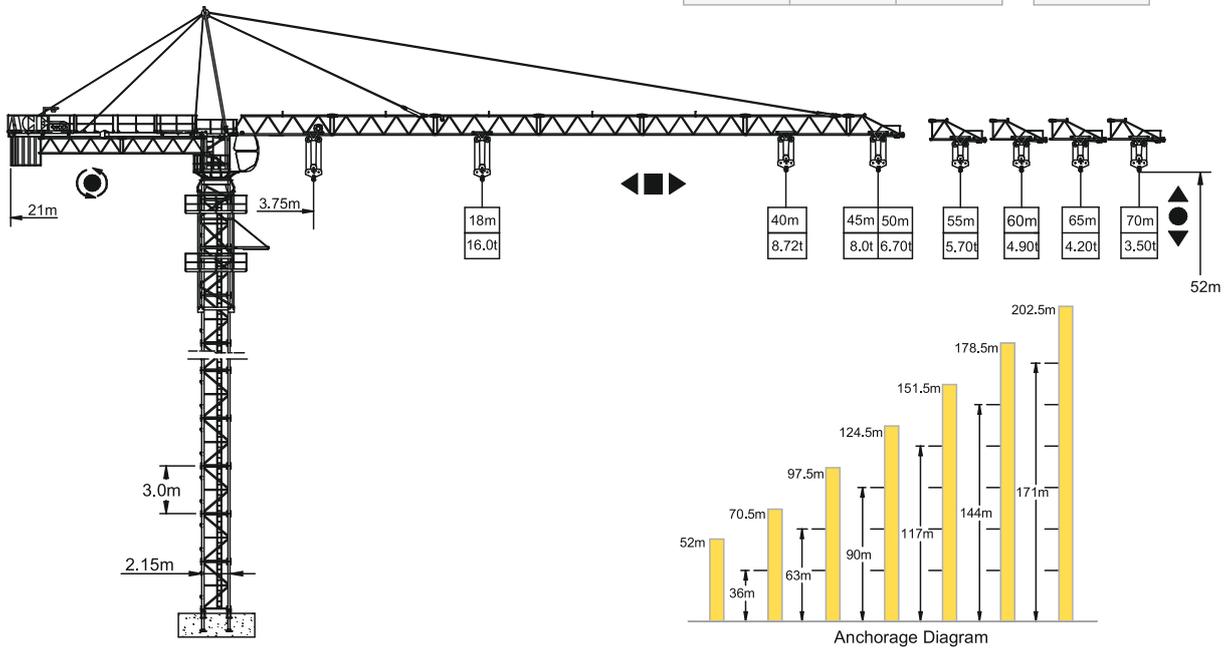
Outrigger Stationary



Chassis Stationary/Rail Mounted



|    |  |        |  |        |  |     |
|----|--|--------|--|--------|--|-----|
| F1 |  | 241.8t |  | 237.7t |  |     |
| F2 |  | 184.7t |  | 183.7t |  | 87t |



F Reaction In Service Out of Service Dead weight without load and counter weights but with longest jib and free standing height.  
P Vertical Load

# FT 7560 Flat Top Tower Crane

16 t

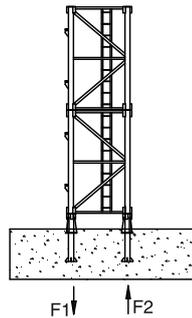
## Load Capacity

| Jib Length | Radius (m)        | 4.2-16.5 | 20   | 25   | 30  | 35  | 40  | 45  | 50  | 55  | 60  | 65  | 70  | 75  |
|------------|-------------------|----------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 75m        | Hoisting Load (t) | 16.0     | 12.7 | 9.7  | 7.7 | 6.3 | 5.3 | 4.5 | 3.9 | 3.4 | 2.9 | 2.6 | 2.3 | 2.0 |
|            |                   | 8.0      |      |      |     |     |     |     |     |     |     |     |     |     |
| 70m        | Hoisting Load (t) | 16.0     | 14.0 | 10.7 | 8.5 | 7.0 | 5.9 | 5.0 | 4.3 | 3.8 | 3.3 | 2.9 | 2.6 |     |
|            |                   | 8.0      |      |      |     |     |     |     |     |     |     |     |     |     |
| 65m        | Hoisting Load (t) | 16.0     | 14.9 | 11.4 | 9.1 | 7.3 | 6.3 | 5.4 | 4.7 | 4.1 | 3.6 | 3.2 |     |     |
|            |                   | 8.0      |      |      |     |     |     |     |     |     |     |     |     |     |
| 60m        | Hoisting Load (t) | 16.0     | 15.4 | 11.8 | 9.5 | 7.8 | 6.6 | 5.7 | 4.9 | 4.3 | 3.8 |     |     |     |
|            |                   | 8.0      |      |      |     |     |     |     |     |     |     |     |     |     |
| 55m        | Hoisting Load (t) | 16.0     |      |      |     |     | 7.6 | 6.6 | 5.8 | 5.2 |     |     |     |     |
|            |                   | 8.0      |      |      |     |     |     |     |     |     |     |     |     |     |
| 50m        | Hoisting Load (t) | 16.0     |      |      |     |     |     | 7.1 | 6.3 |     |     |     |     |     |
|            |                   | 8.0      |      |      |     |     |     |     |     |     |     |     |     |     |
| 45m        | Hoisting Load (t) | 16.0     |      |      |     |     |     |     | 7.1 |     |     |     |     |     |
|            |                   | 8.0      |      |      |     |     |     |     |     |     |     |     |     |     |
| 40m        | Hoisting Load (t) | 16.0     |      |      |     |     |     |     |     |     |     |     |     |     |
|            |                   | 8.0      |      |      |     |     |     |     |     |     |     |     |     |     |
| 35m        | Hoisting Load (t) | 16.0     |      |      |     |     |     |     |     |     |     |     |     |     |
|            |                   | 8.0      |      |      |     |     |     |     |     |     |     |     |     |     |
| 30m        | Hoisting Load (t) | 16.0     |      |      |     |     |     |     |     |     |     |     |     |     |
|            |                   | 8.0      |      |      |     |     |     |     |     |     |     |     |     |     |

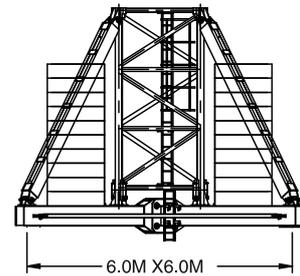
## Specifications

|                |                     |         |        |          |        |
|----------------|---------------------|---------|--------|----------|--------|
| Hoisting       | No of Falls         |         |        |          |        |
|                | Speed (m/min)       | 0 ~ 45  | 0 ~ 90 | 0 ~ 22.5 | 0 ~ 45 |
|                | Hoisting Load (t)   | 8.0     | 4.0    | 16.0     | 8.0    |
|                | Power (kw)          | 75      | 75     | 75       | 75     |
| Slewing        | Speed(rpm)          | 0 ~ 0.8 |        |          |        |
|                | Power(kw)           | 2 x 7.5 |        |          |        |
| Trolley        | Speed(m/min)        | 0 ~ 65  |        |          |        |
|                | Power(kw)           | 7.5     |        |          |        |
| Climbing       | Speed(m/min)        | 0.5     |        |          |        |
|                | Power(kw)           | 15      |        |          |        |
| Main Supply    | 415V / 50Hz         |         |        |          |        |
| Electric Power | 97.5 kw (121.87kVA) |         |        |          |        |

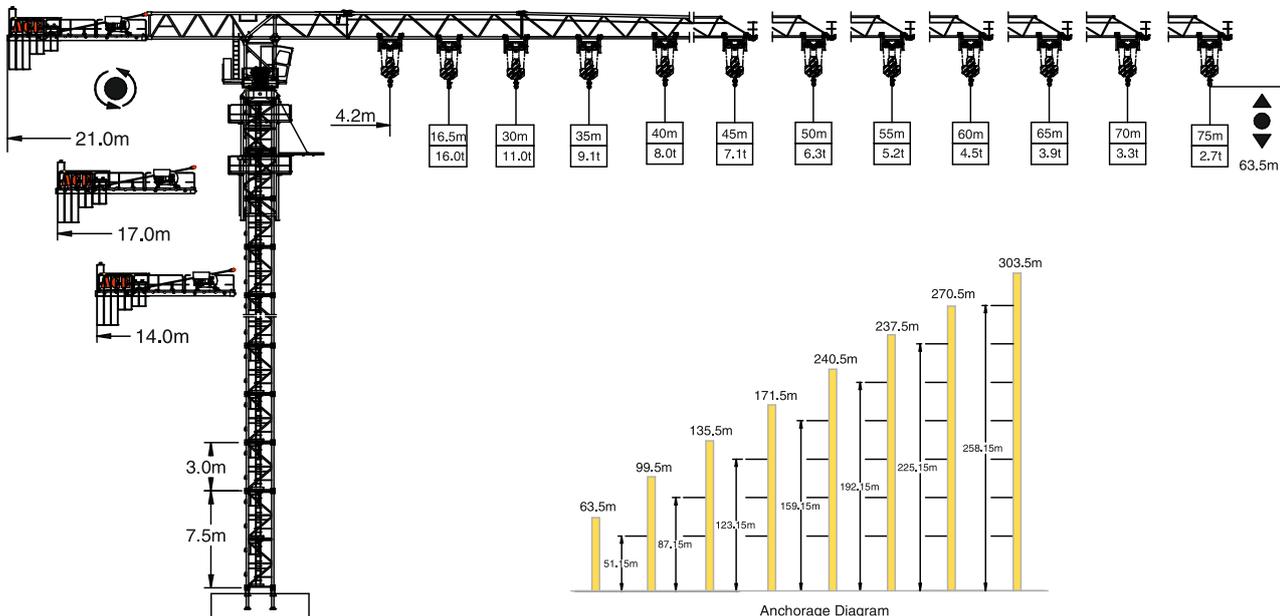
Outrigger Stationary



Chassis Stationary/Rail Mounted



|    |        |        |       |
|----|--------|--------|-------|
| F1 | ◇ 238t | △ 241t |       |
| F2 | ◇ 173t | △ 179t | 81.4t |



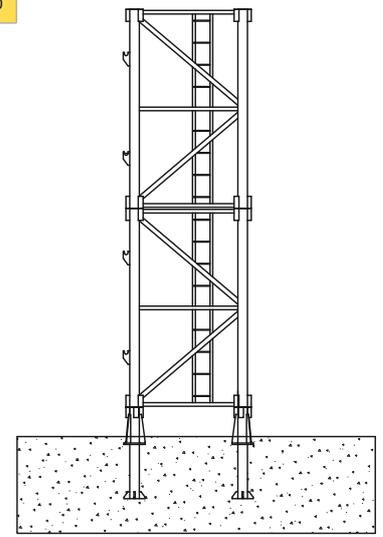
F Reaction ◇ In Service △ Out of Service Dead weight without load and counter weights but with longest jib and free standing height.  
P - Vertical Load

**TC 7059 Tower Crane** **20 t**

**Load Capacity**

|                      |                   |                |       |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |
|----------------------|-------------------|----------------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| Jib Length 70m       | Radius (m)        | 3.5~21.19      | 25    | 30    | 35    | 38    | 40    | 43   | 45   | 48   | 50   | 53   | 55   | 58   | 60   | 63   | 65   | 68   | 70   |
|                      | Hoisting Load (t) | 20.00          | 16.42 | 13.16 | 10.86 | 9.78  | 9.15  | 8.32 | 7.83 | 7.17 | 6.77 | 6.24 | 5.92 | 5.47 | 5.20 | 4.83 | 4.60 | 4.29 | 4.09 |
|                      |                   | 10.00          |       |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |
| Jib Length 65m       | Radius (m)        | 3.5~21.72      | 25    | 30    | 35    | 38    | 40    | 43   | 45   | 48   | 50   | 53   | 55   | 58   | 60   | 63   | 65   |      |      |
|                      | Hoisting Load (t) | 20.00          | 16.92 | 13.57 | 11.21 | 10.10 | 9.45  | 8.60 | 8.10 | 7.42 | 7.02 | 6.47 | 6.14 | 5.68 | 5.41 | 5.02 | 4.79 |      |      |
|                      |                   | 10.00          |       |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |
| Jib Length 60m       | Radius (m)        | 3.5~22.46      | 25    | 30    | 35    | 38    | 40    | 43   | 45   | 48   | 50   | 53   | 55   | 58   | 60   |      |      |      |      |
|                      | Hoisting Load (t) | 20.00          | 17.62 | 14.15 | 11.70 | 10.55 | 9.88  | 9.00 | 8.48 | 7.78 | 7.36 | 6.79 | 6.45 | 5.98 | 5.69 |      |      |      |      |
|                      |                   | 10.00          |       |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |
| Jib Length 55m       | Radius (m)        | 3.5~22.80      | 25    | 30    | 35    | 38    | 40    | 43   | 45   | 48   | 50   | 53   | 55   |      |      |      |      |      |      |
|                      | Hoisting Load (t) | 20.00          | 17.94 | 14.42 | 11.93 | 10.76 | 10.08 | 9.18 | 8.65 | 7.94 | 7.52 | 6.94 | 6.59 |      |      |      |      |      |      |
|                      |                   | 10.00          |       |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |
| Jib Length 50,45,40m | Radius (m)        | 3.5~22.96      | 25    | 30    | 35    | 38    | 40    | 43   | 45   | 48   | 50   |      |      |      |      |      |      |      |      |
|                      | Hoisting Load (t) | 20.00          | 18.09 | 14.54 | 12.04 | 10.86 | 10.17 | 9.27 | 8.74 | 8.02 | 7.59 |      |      |      |      |      |      |      |      |
|                      |                   | 10.00          |       |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |
|                      |                   | 9.85 9.13 8.70 |       |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |

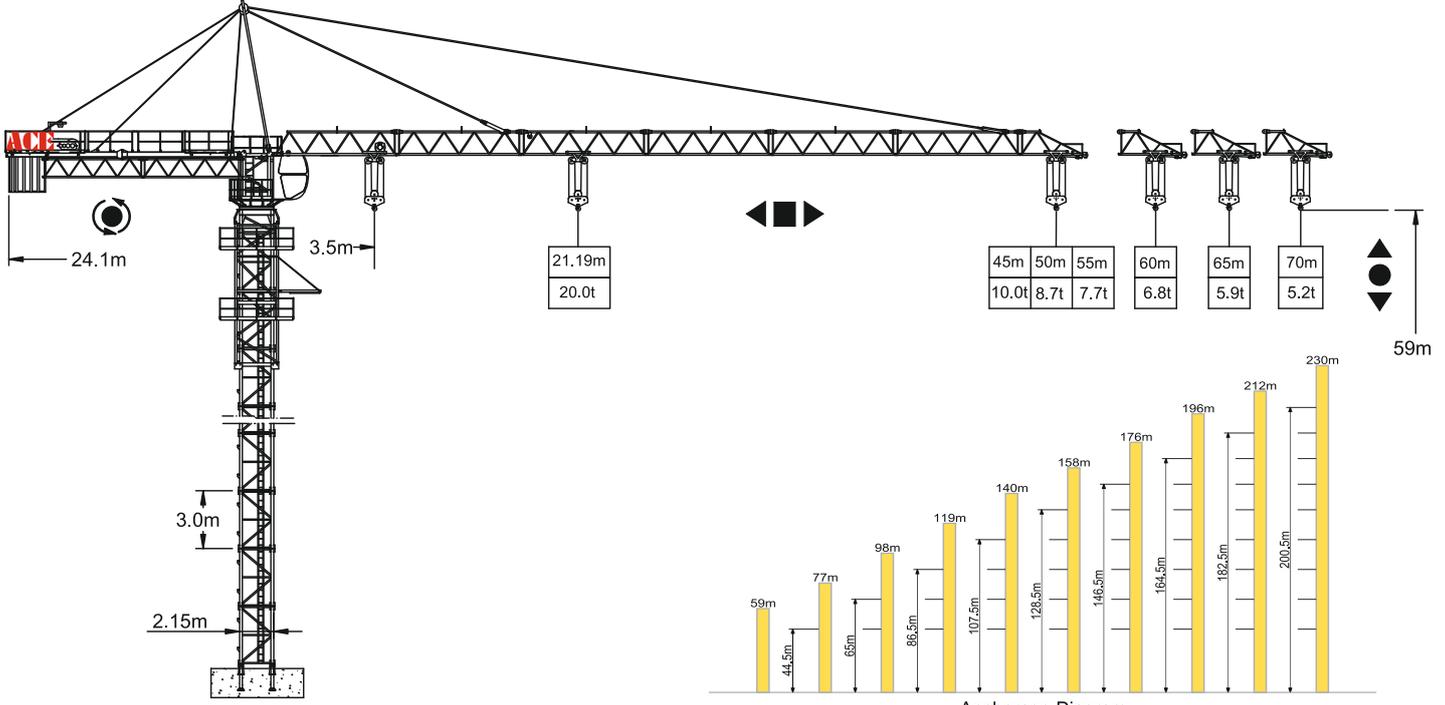
Outrigger Stationary



|    |        |        |        |
|----|--------|--------|--------|
| F1 | ◇ 143t | △ 171t | ⊕ 141t |
| F2 | ◇ 240t | △ 256t | 141t   |

**Specifications**

|                |                      |    |          |        |        |        |
|----------------|----------------------|----|----------|--------|--------|--------|
| Hoisting       | No of Falls          | ⬆  | ⬆        | ⬆      | ⬆      |        |
|                | Speed (m/min)        | ▲  | 0 ~ 45   | 0 ~ 96 | 0 ~ 22 | 0 ~ 45 |
|                | Hoisting Load (t)    | ●  | 10.0     | 5.0    | 20.0   | 10.0   |
|                | Power (kw)           | ●  | 90       | 90     | 90     | 90     |
| Slewing        | Speed(rpm)           | ⦿  | 0 ~ 0.72 |        |        |        |
|                | Power(kw)            | ⦿  | 3 x 5.5  |        |        |        |
| Trolley        | Speed(m/min)         | ◄► | 0 ~ 100  |        |        |        |
|                | Power(kw)            | ◄► | 11       |        |        |        |
| Climbing       | Speed(m/min)         | ▲  | 0.46     |        |        |        |
|                | Power(kw)            | ▲  | 11       |        |        |        |
| Main Supply    | 415V / 50Hz          |    |          |        |        |        |
| Electric Power | 117.5 kw (146.9 kVA) |    |          |        |        |        |



F Reaction ◇ In Service △ Out of Service ⊕ Dead weight without load and counter weight but with longest jib and free standing height.

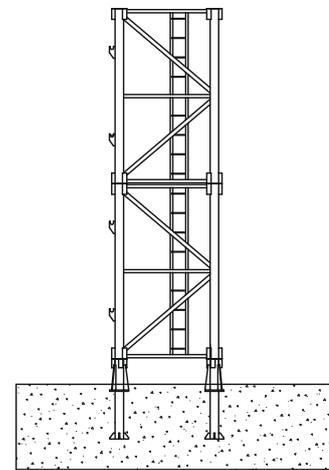
# TC 7074 Tower Crane

25 t

## Load Capacity

| Jib Length           | Radius (m)        |                   | 3.5~17.52 | 20    | 25    | 30    | 35    | 38    | 40    | 43   | 45   | 48   | 50   | 53   | 55   | 58   | 60   | 63   | 65   | 68   | 70   |
|----------------------|-------------------|-------------------|-----------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
|                      | 70m               | Hoisting Load (t) | ☞         | 25.00 | 21.41 | 16.42 | 13.16 | 10.86 | 9.78  | 9.15 | 8.32 | 7.83 | 7.17 | 6.77 | 6.24 | 5.92 | 5.47 | 5.20 | 4.83 | 4.60 | 4.29 |
|                      |                   | ☞                 | 12.50     |       |       |       | 11.97 | 10.89 | 10.26 | 9.43 | 8.94 | 8.28 | 7.88 | 7.35 | 7.03 | 6.58 | 6.31 | 5.94 | 5.71 | 5.40 | 5.20 |
| Jib Length 65m       | Radius (m)        |                   | 3.5~17.95 | 25    | 30    | 35    | 38    | 40    | 43    | 45   | 48   | 50   | 53   | 55   | 58   | 60   | 63   | 65   |      |      |      |
|                      | Hoisting Load (t) | ☞                 | 25.00     | 16.92 | 13.57 | 11.21 | 10.10 | 9.45  | 8.60  | 8.10 | 7.42 | 7.02 | 6.47 | 6.14 | 5.68 | 5.41 | 5.02 | 4.79 |      |      |      |
|                      |                   | ☞                 | 12.50     |       |       |       | 11.21 | 10.56 | 9.71  | 9.21 | 8.53 | 8.13 | 7.58 | 7.25 | 6.79 | 6.52 | 6.13 | 5.90 |      |      |      |
| Jib Length 60m       | Radius (m)        |                   | 3.5~18.56 | 25    | 30    | 35    | 38    | 40    | 43    | 45   | 48   | 50   | 53   | 55   | 58   | 60   |      |      |      |      |      |
|                      | Hoisting Load (t) | ☞                 | 25.00     | 17.62 | 14.15 | 11.70 | 10.55 | 9.88  | 9.00  | 8.48 | 7.78 | 7.36 | 6.79 | 6.45 | 5.98 | 5.69 |      |      |      |      |      |
|                      |                   | ☞                 | 12.50     |       |       |       | 11.66 | 10.99 | 10.11 | 9.59 | 8.89 | 8.47 | 7.90 | 7.56 | 7.09 | 6.80 |      |      |      |      |      |
| Jib Length 55m       | Radius (m)        |                   | 3.5~18.85 | 25    | 30    | 35    | 38    | 40    | 43    | 45   | 48   | 50   | 53   | 55   |      |      |      |      |      |      |      |
|                      | Hoisting Load (t) | ☞                 | 25.00     | 17.94 | 14.42 | 11.93 | 10.76 | 10.08 | 9.18  | 8.65 | 7.94 | 7.52 | 6.94 | 6.59 |      |      |      |      |      |      |      |
|                      |                   | ☞                 | 12.50     |       |       |       | 11.87 | 11.19 | 10.29 | 9.76 | 9.05 | 8.63 | 8.05 | 7.70 |      |      |      |      |      |      |      |
| Jib Length 50,45,40m | Radius (m)        |                   | 3.5~18.97 | 25    | 30    | 35    | 38    | 40    | 43    | 45   | 48   | 50   |      |      |      |      |      |      |      |      |      |
|                      | Hoisting Load (t) | ☞                 | 25.00     | 18.09 | 14.54 | 12.04 | 10.86 | 10.17 | 9.27  | 8.74 | 8.02 | 7.59 |      |      |      |      |      |      |      |      |      |
|                      |                   | ☞                 | 12.50     |       |       |       | 11.97 | 11.28 | 10.38 | 9.85 | 9.13 | 8.70 |      |      |      |      |      |      |      |      |      |

Outrigger Stationary

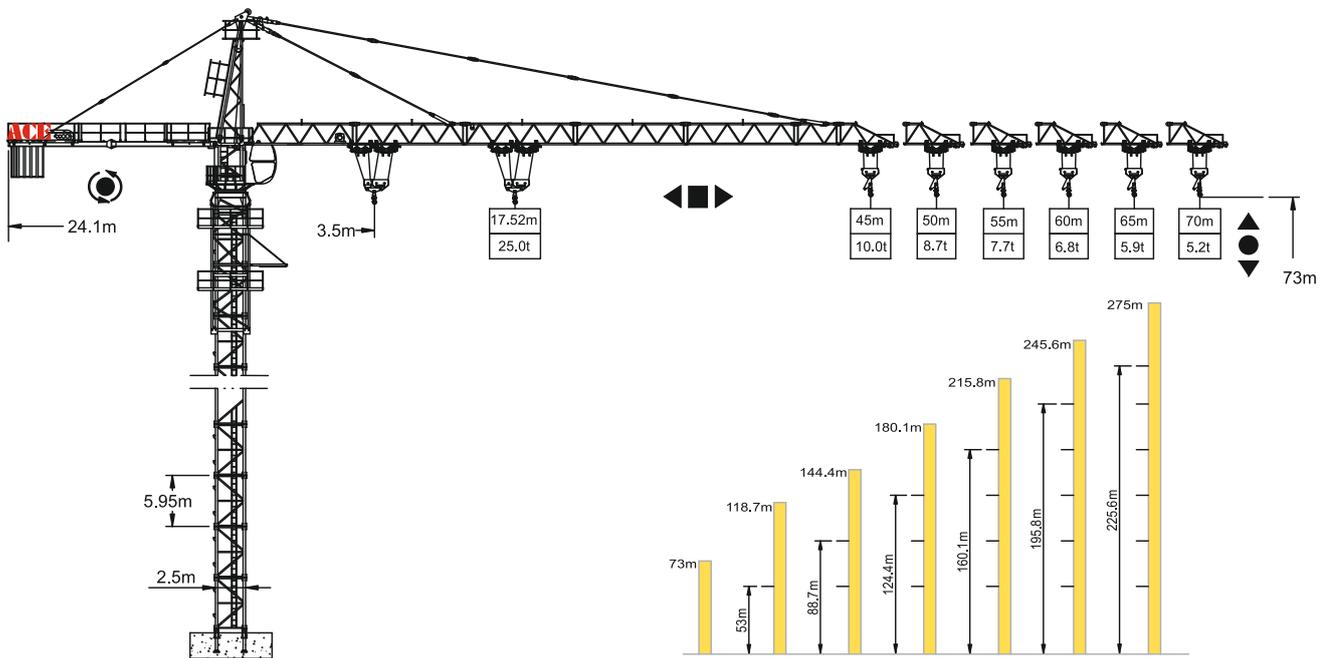


F1 ↓      ↑ F2

|    |        |        |        |
|----|--------|--------|--------|
| F1 | ◇ 143t | △ 171t | ☞ 141t |
| F2 | ◇ 240t | △ 256t |        |

## Specifications

|                |                   |                             |                   |
|----------------|-------------------|-----------------------------|-------------------|
| Hoisting       | No of Falls       | ☞                           | ☞                 |
|                | Speed (m/min)     | 0 ~ 45    45 ~ 90           | 0 ~ 22    22 ~ 45 |
|                | Hoisting Load (t) | 12.5    6.3    25.0    12.5 |                   |
|                | Power (kw)        | 110    110    110    110    |                   |
| Slewing        | Speed (rpm)       | 0 ~ 0.72                    |                   |
|                | Power (kw)        | 3 x 5.5                     |                   |
| Trolley        | Speed (m/min)     | 0 ~ 100                     |                   |
|                | Power (kw)        | 11                          |                   |
| Climbing       | Speed (m/min)     | 0.46                        |                   |
|                | Power (kw)        | 11                          |                   |
| Main Supply    | 415V / 50Hz       |                             |                   |
| Electric Power | 110 kw (137.5kVA) |                             |                   |



Anchorage Diagram

F Reaction ◇ In Service △ Out of Service ☞ Dead weight without load and counter weights but with longest jib and free standing height.

**FT 8065 Flat Top Tower Crane** **25 t**

**Load Capacity**

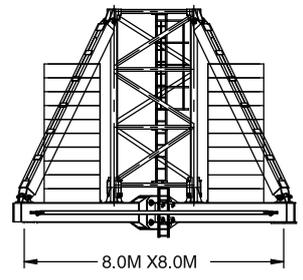
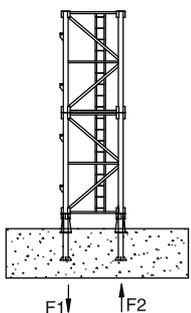
| Jib Length | Radius (m) | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55   | 60   | 65   | 70   | 75   | 80   |     |
|------------|------------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|-----|
| 80m        | Hoisting   | 12.5  | 12.5  | 12.5  | 12.5  | 10.05 | 8.58  | 7.44  | 6.53 | 5.79 | 5.18 | 4.66 | 4.22 | 3.83 | 3.5 |
|            | Load (t)   | 25.0  | 18.04 | 13.75 | 11.4  | 8.95  | 7.48  | 6.34  | 5.43 | 4.69 | 4.08 | 3.56 | 3.12 | 2.73 | 2.4 |
| 75m        | Hoisting   | 12.5  | 12.5  | 12.5  | 12.5  | 11.5  | 9.84  | 8.56  | 7.54 | 6.7  | 6.01 | 5.43 | 4.93 | 4.5  |     |
|            | Load (t)   | 25.0  | 20.63 | 15.8  | 12.64 | 10.4  | 8.74  | 7.46  | 6.44 | 5.6  | 4.91 | 4.33 | 3.83 | 3.4  |     |
| 70m        | Hoisting   | 12.5  | 12.5  | 12.5  | 12.5  | 11.02 | 9.61  | 8.48  | 7.56 | 6.8  | 6.15 | 5.6  |      |      |     |
|            | Load (t)   | 25.0  | 23.06 | 17.72 | 14.23 | 11.4  | 9.92  | 8.51  | 7.38 | 6.46 | 5.7  | 5.05 | 4.5  |      |     |
| 65m        | Hoisting   | 12.5  | 12.5  | 12.5  | 12.5  | 11.6  | 10.11 | 8.93  | 7.97 | 7.17 | 6.5  |      |      |      |     |
|            | Load (t)   | 12.42 | 25.0  | 18.65 | 15    | 12.42 | 10.5  | 9.01  | 7.83 | 6.87 | 6.07 | 5.4  |      |      |     |
| 60m        | Hoisting   | 12.5  | 12.5  | 12.5  | 12.5  | 10.82 | 9.57  | 8.55  | 7.7  |      |      |      |      |      |     |
|            | Load (t)   | 25.0  | 25.0  | 19.95 | 16.07 | 13.33 | 11.4  | 9.72  | 8.47 | 7.45 | 6.6  |      |      |      |     |
| 55m        | Hoisting   | 12.5  | 12.5  | 12.5  | 12.5  | 12.5  | 11.25 | 9.96  | 8.9  |      |      |      |      |      |     |
|            | Load (t)   | 25.0  | 25.0  | 20.74 | 16.07 | 13.89 | 11.78 | 10.15 | 8.86 | 7.8  |      |      |      |      |     |
| 50m        | Hoisting   | 12.5  | 12.5  | 12.5  | 12.5  | 12.5  | 11.3  | 10    |      |      |      |      |      |      |     |
|            | Load (t)   | 25.0  | 20.83 | 18.62 | 16.8  | 13.95 | 11.84 | 10.2  | 8.9  |      |      |      |      |      |     |
| 45m        | Hoisting   | 12.5  | 12.5  | 12.5  | 12.5  | 12.5  | 12.5  | 11.3  |      |      |      |      |      |      |     |
|            | Load (t)   | 25.0  | 20.83 | 18.62 | 16.8  | 13.95 | 11.83 | 10.2  |      |      |      |      |      |      |     |
| 40m        | Hoisting   | 12.5  | 12.5  | 12.5  | 12.5  | 12.5  |       |       |      |      |      |      |      |      |     |
|            | Load (t)   | 25.0  | 21.09 | 18.86 | 17.02 | 14.14 | 12.0  |       |      |      |      |      |      |      |     |
| 35m        | Hoisting   | 12.5  | 12.5  | 12.5  | 12.5  |       |       |       |      |      |      |      |      |      |     |
|            | Load (t)   | 25    | 21.18 | 18.94 | 17.09 | 14.2  |       |       |      |      |      |      |      |      |     |
| 30m        | Hoisting   | 12.5  | 12.5  | 12.5  |       |       |       |       |      |      |      |      |      |      |     |
|            | Load (t)   | 25.0  | 21.31 | 19.06 | 17.2  |       |       |       |      |      |      |      |      |      |     |

Outrigger Stationary

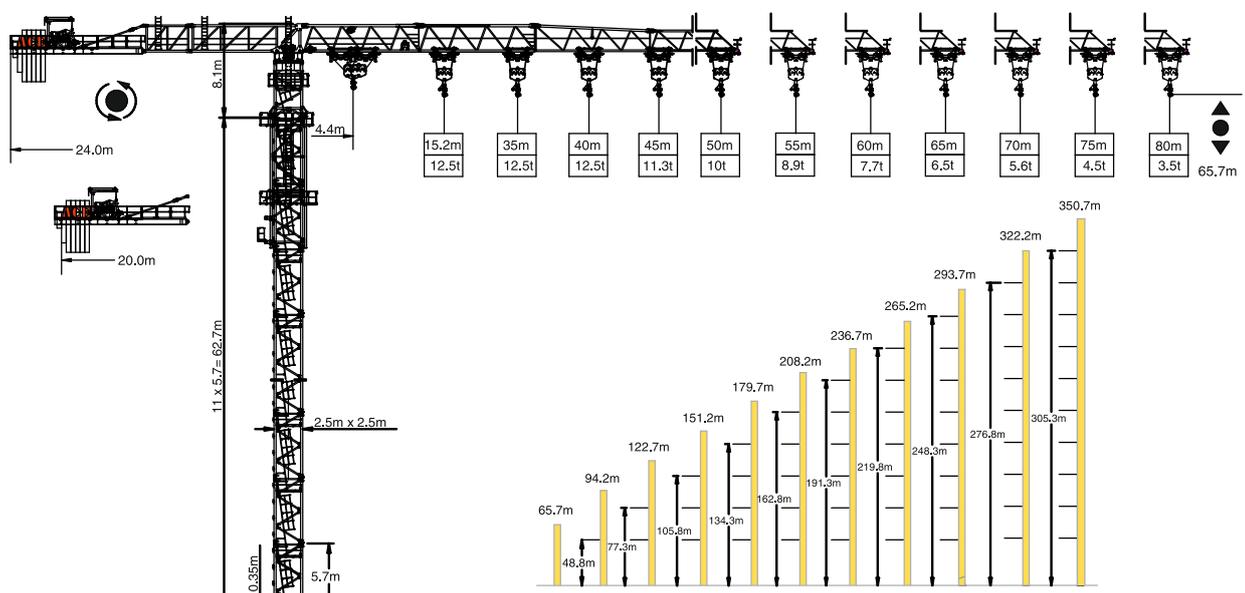
Chassis Stationary/Rail Mounted

**Specifications**

|                |                   |                    |        |         |        |        |        |
|----------------|-------------------|--------------------|--------|---------|--------|--------|--------|
| Hoisting       | No of Falls       | 0 - 38             | 0 - 76 | 0 - 100 | 0 - 19 | 0 - 38 | 0 - 50 |
|                | Speed (m/min)     | 0 - 38             | 0 - 76 | 0 - 100 | 0 - 19 | 0 - 38 | 0 - 50 |
|                | Hoisting Load (t) | 12.5               | 6.2    | 3.5     | 25     | 12.5   | 7      |
| Power (kw)     |                   | 90                 | 90     | 90      | 90     | 90     | 90     |
|                |                   |                    |        |         |        |        |        |
| Slewing        | Speed (rpm)       | 0 - 0.5            |        |         |        |        |        |
|                | Power (kw)        | 3 x 9              |        |         |        |        |        |
| Trolley        | Speed (m/min)     | 0 - 65             |        |         |        |        |        |
|                | Power (kw)        | 11kw               |        |         |        |        |        |
| Climbing       | Speed (m/min)     | 0.65               |        |         |        |        |        |
|                | Power (kw)        | 18.5kw             |        |         |        |        |        |
| Main Supply    |                   | 415V / 50Hz        |        |         |        |        |        |
| Electric Power |                   | 128 kw (160.0 kVA) |        |         |        |        |        |



|    |       |       |         |
|----|-------|-------|---------|
| F1 | ◇ 233 | △ 153 |         |
| F2 | ◇ 322 | △ 250 | 123.57t |



Anchorage Diagram

F Reaction ◇ In Service △ Out of Service Dead weight without load and counter weights but with longest jib and free standing height.  
P - Vertical Load

# LC 85 Luffing Crane

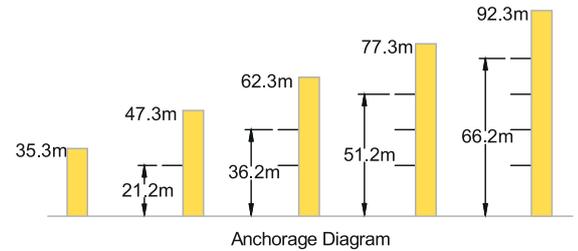
6 t

## Load Capacity

| Jib Length<br>40m | Radius (m)        |  | 4~18 | 20  | 25  | 28.5 | 30  | 32  | 35  | 40  |
|-------------------|-------------------|--|------|-----|-----|------|-----|-----|-----|-----|
|                   | Hoisting Load (t) |  |      | 6.0 | 5.2 | 3.7  | 2.9 | 2.6 | 2.3 | 1.9 |
|                   |                   |  | 3.0  |     |     |      | 2.7 | 2.4 | 2.0 | 1.5 |

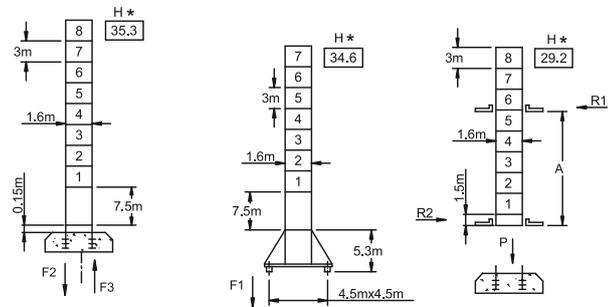
  

| Jib Length<br>35m | Radius (m)        |  | 4~18 | 20  | 25  | 28.5 | 30  | 32  | 35  |
|-------------------|-------------------|--|------|-----|-----|------|-----|-----|-----|
|                   | Hoisting Load (t) |  |      | 6.0 | 5.2 | 3.7  | 2.9 | 2.6 | 2.3 |
|                   |                   |  | 3.0  |     |     |      | 2.7 | 2.4 | 2.0 |

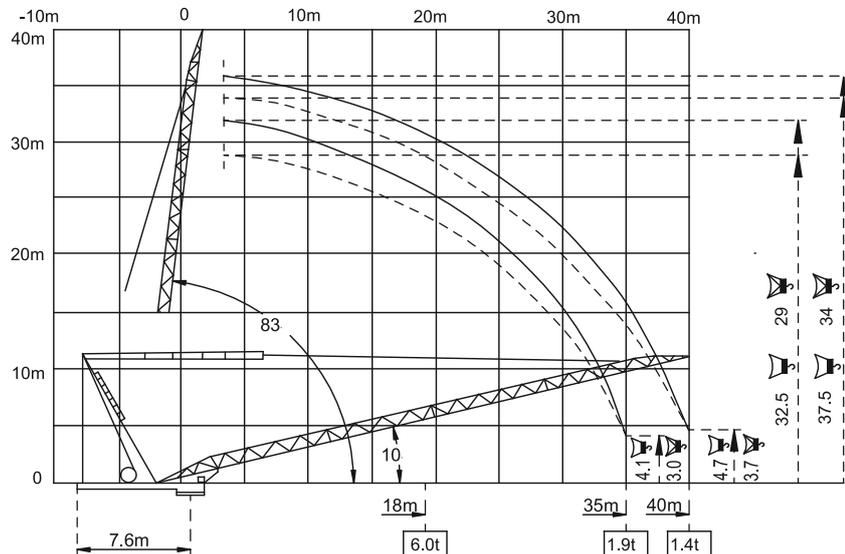
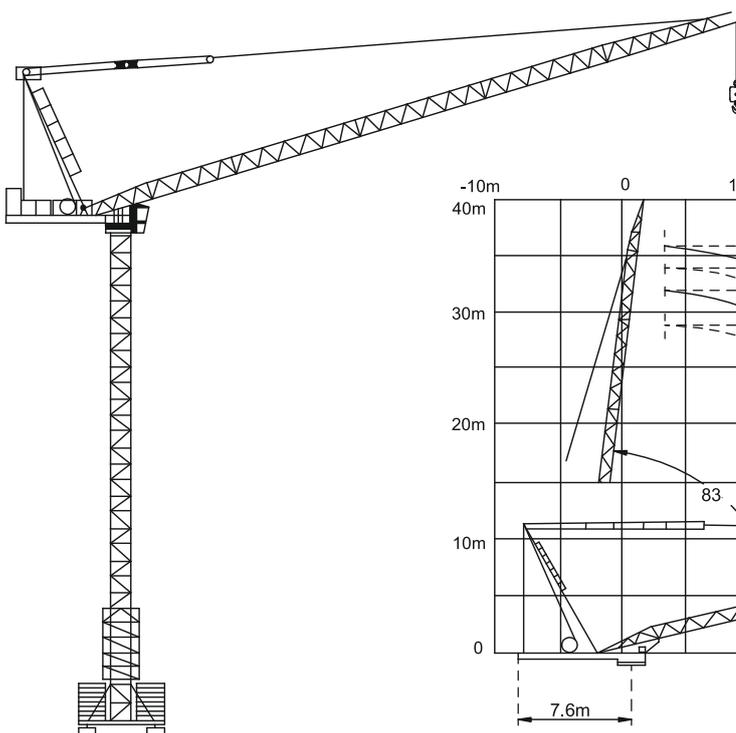


## Specifications

| Hoisting       | No of Falls       |                  |         |        |        |        |        |        |
|----------------|-------------------|------------------|---------|--------|--------|--------|--------|--------|
|                | Speed (m/min)     |                  | 0 ~ 40  | 0 ~ 66 | 0 ~ 80 | 0 ~ 20 | 0 ~ 33 | 0 ~ 40 |
|                | Hoisting Load (t) |                  | 3.0     | 1.8    | 1.5    | 6.0    | 3.6    | 3.0    |
|                | Power (kw)        |                  | 24      | 24     | 24     | 24     | 24     | 24     |
| Slewing        |                   | Speed (rpm)      | 0 ~ 0.7 |        |        |        |        |        |
|                |                   | Power (kw)       | 6       |        |        |        |        |        |
| Travelling     |                   | Speed (rpm)      | 0 ~ 25  |        |        |        |        |        |
|                |                   | Power (kw)       | 2 x 5.2 |        |        |        |        |        |
| Luffing        |                   | Speed (m/min)    | ≤ 3.0   |        |        |        |        |        |
|                |                   | Power (kw)       | 24      |        |        |        |        |        |
| Main Supply    |                   | 415V / 50Hz      |         |        |        |        |        |        |
| Electric Power |                   | 54 kw (67.5 kVA) |         |        |        |        |        |        |



|    |  |     |  |      |  |       |
|----|--|-----|--|------|--|-------|
| F2 |  | 90t |  | 142t |  | 38.5t |
| F3 |  | 62t |  | 117t |  | 38.5t |
| F1 |  | 60t |  | 81t  |  | 38.5t |
| A  |  | 7m  |  | 11m  |  |       |
| R1 |  | 23t |  | 15t  |  |       |
| R2 |  | 20t |  | 13t  |  |       |
| P  |  | 48t |  | 48t  |  |       |
|    |  |     |  | 37t  |  |       |

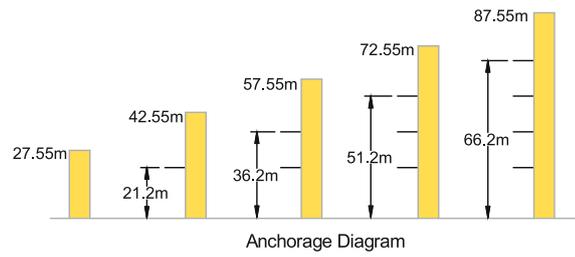


F Reaction In Service Out of Service Dead weight without load and counter weights but with longest jib and free standing height.  
 P Vertical Load H Free Standing Height Jib \* 40m

# LC 120 Luffing Crane 8 t

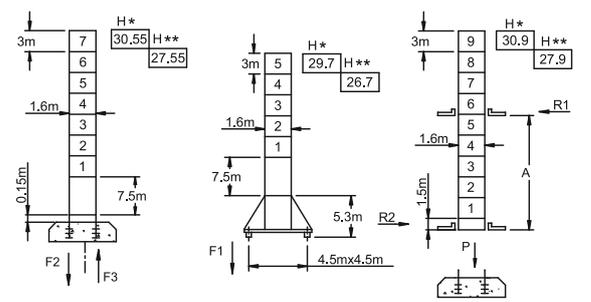
## Load Capacity

|                |                   |          |     |     |     |     |     |     |     |
|----------------|-------------------|----------|-----|-----|-----|-----|-----|-----|-----|
| Jib Length 45m | Radius (m)        | 3.5~18.6 | 20  | 25  | 30  | 32  | 35  | 40  | 45  |
|                | Hoisting Load (t) | 8.0      | 7.3 | 5.5 | 4.2 | 4.0 | 3.3 | 2.6 | 2.2 |
| Jib Length 40m | Radius (m)        | 3.5~18.6 | 20  | 25  | 30  | 32  | 35  | 40  |     |
|                | Hoisting Load (t) | 8.0      | 7.3 | 5.5 | 4.3 | 4.0 | 3.4 | 2.6 |     |
| Jib Length 35m | Radius (m)        | 3.5~18.6 | 20  | 25  | 30  | 32  | 35  |     |     |
|                | Hoisting Load (t) | 8.0      | 7.4 | 5.6 | 4.4 | 4.0 | 3.4 |     |     |
| Jib Length 30m | Radius (m)        | 3.5~18.6 | 20  | 25  | 30  |     |     |     |     |
|                | Hoisting Load (t) | 8.0      | 7.4 | 5.6 | 4.4 |     |     |     |     |

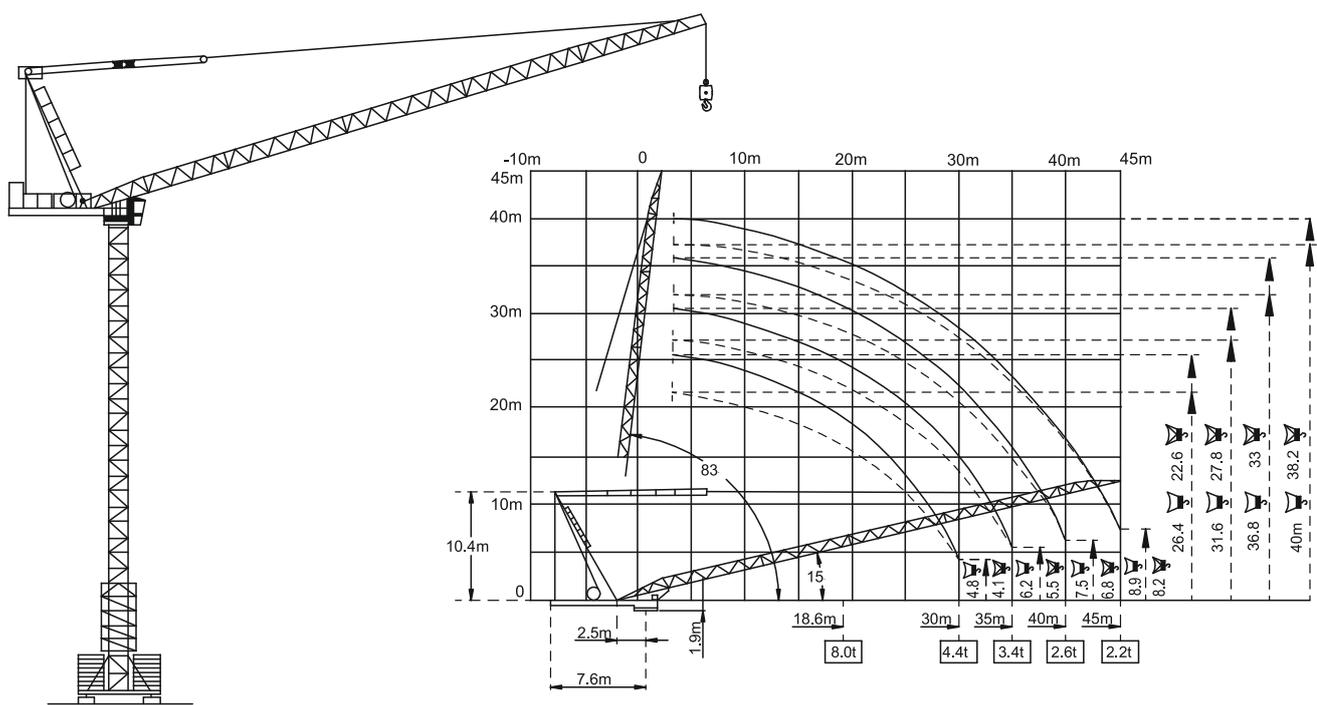


## Specifications

|                |                   |                 |        |        |        |        |        |
|----------------|-------------------|-----------------|--------|--------|--------|--------|--------|
| Hoisting       | No of Falls       | ☞               |        | ☞      |        |        |        |
|                | Speed (m/min)     | 0 ~ 40          | 0 ~ 66 | 0 ~ 80 | 0 ~ 20 | 0 ~ 33 | 0 ~ 40 |
|                | Hoisting Load (t) | 4.0             | 2.4    | 2.0    | 8.0    | 4.8    | 4.0    |
|                | Power (kw)        | 30              | 30     | 30     | 30     | 30     | 30     |
| Slewing        | Speed (rpm)       | 0 ~ 0.7         |        |        |        |        |        |
|                | Power (kw)        | 2 x 4.5         |        |        |        |        |        |
| Travelling     | Speed (rpm)       | 0 ~ 25          |        |        |        |        |        |
|                | Power (kw)        | 2 x 5.2         |        |        |        |        |        |
| Luffing        | Speed (m/min)     | ≤ 3.5           |        |        |        |        |        |
|                | Power (kw)        | 30              |        |        |        |        |        |
| Main Supply    |                   | 415V / 50Hz     |        |        |        |        |        |
| Electric Power |                   | 69kw (86.3 kVA) |        |        |        |        |        |



|    |        |        |         |
|----|--------|--------|---------|
| F2 | ◇ 100t | △ 119t | ⊕ 38.5t |
| F3 | ◇ 78t  | △ 97t  | 38.5t   |
| F1 | ◇ 60t  | △ 68t  | 40.5t   |
| A  | 7m     | 11m    |         |
| R1 | 24t    | 16t    |         |
| R2 | 20.5t  | 13.5t  |         |
| P  | 50t    | 50t    |         |
|    | ⊕      | 42t    |         |



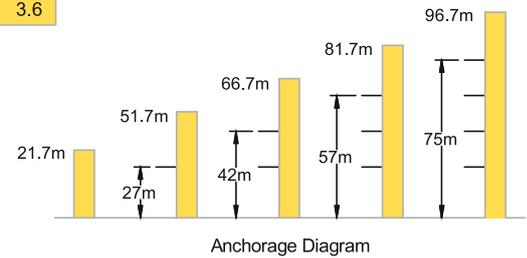
F Reaction ◇ In Service △ Out of Service ⊕ Dead weight without load and counter weights but with longest jib and free standing height.  
P Vertical Load H Free Standing Height Jib \* 30 - 35m \*\* 40 - 45m

# LC 160B Luffing Crane

10 t

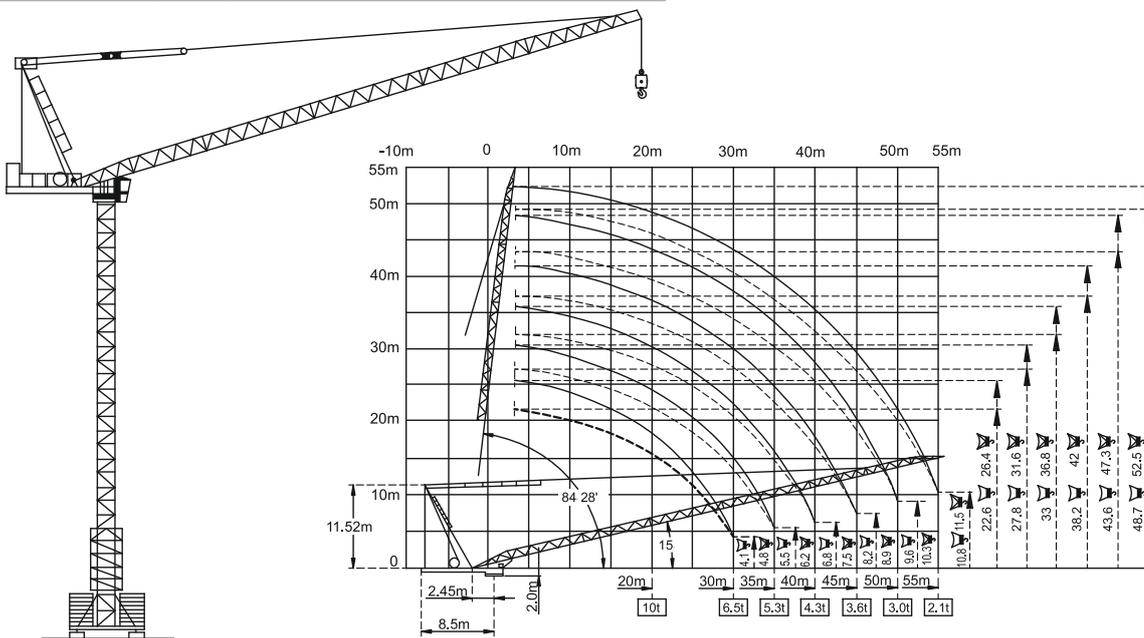
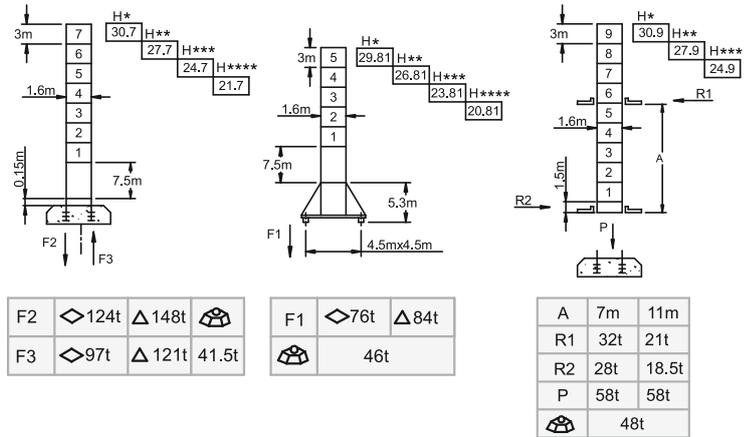
## Load Capacity

| Jib Length | Radius (m)        | Radius (m) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|------------|-------------------|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|            |                   | 3.3~18.0   | 20  | 22  | 25  | 27  | 30  | 32  | 35  | 37  | 40  | 42  | 45  | 47  | 50  | 52  | 55  |
| 55m        | Hoisting Load (t) | 10.0       | 8.6 | 7.6 | 6.5 | 5.8 | 5.0 | 4.6 | 4.1 | 3.8 | 3.5 | 3.2 | 2.9 | 2.7 | 2.5 | 2.3 | 2.1 |
|            |                   | 5.0        |     |     |     |     |     | 4.6 | 4.1 | 3.8 | 3.5 | 3.2 | 2.9 | 2.7 | 2.5 | 2.3 | 2.1 |
| 50m        | Radius (m)        | 3.3~20.0   |     | 22  | 25  | 27  | 30  | 32  | 35  | 37  | 40  | 42  | 45  | 47  | 50  |     |     |
|            | Hoisting Load (t) | 10.0       | 8.7 | 7.5 | 6.8 | 6.0 | 5.5 | 5.0 | 4.7 | 4.2 | 3.8 | 3.5 | 3.2 | 3.0 |     |     |     |
| 45m        | Radius (m)        | 3.3~20.0   |     | 22  | 25  | 27  | 30  | 32  | 35  | 37  | 40  | 42  | 45  |     |     |     |     |
|            | Hoisting Load (t) | 10.0       | 9.0 | 7.7 | 7.0 | 6.2 | 5.7 | 5.1 | 4.7 | 4.2 | 4.0 | 3.6 |     |     |     |     |     |
| 40m        | Radius (m)        | 3.3~20.0   |     | 22  | 25  | 27  | 30  | 32  | 35  | 37  | 40  |     |     |     |     |     |     |
|            | Hoisting Load (t) | 10.0       | 9.1 | 7.8 | 7.1 | 6.2 | 5.7 | 5.1 | 4.8 | 4.3 |     |     |     |     |     |     |     |
| 35m        | Radius (m)        | 3.3~20.0   |     | 22  | 25  | 27  | 30  | 32  | 35  |     |     |     |     |     |     |     |     |
|            | Hoisting Load (t) | 10.0       | 9.2 | 8.0 | 7.2 | 6.4 | 5.9 | 5.3 |     |     |     |     |     |     |     |     |     |



## Specifications

|                |                   |         |        |         |        |          |        |
|----------------|-------------------|---------|--------|---------|--------|----------|--------|
| Hoisting       | No of Falls       | ☞       |        | ☞       |        | ☞        |        |
|                | Speed (m/min)     | 0 ~ 50  | 0 ~ 75 | 0 ~ 100 | 0 ~ 25 | 0 ~ 37.5 | 0 ~ 50 |
|                | Hoisting Load (t) | 5.0     | 3.0    | 2.0     | 10.0   | 6.0      | 4.0    |
|                | Power (kw)        | 55      | 55     | 55      | 55     | 55       | 55     |
| Slewing        | Speed (rpm)       | 0 ~ 0.7 |        |         |        |          |        |
|                | Power (kw)        | 2 x 9   |        |         |        |          |        |
| Travelling     | Speed (m/min)     | 0 ~ 25  |        |         |        |          |        |
|                | Power (kw)        | 4 x 3.4 |        |         |        |          |        |
| Luffing        | Speed (m/min)     | ≤ 3.0   |        |         |        |          |        |
|                | Power (kw)        | 37      |        |         |        |          |        |
| Main Supply    | 415V / 50Hz       |         |        |         |        |          |        |
| Electric Power | 110kw (137.5 kVA) |         |        |         |        |          |        |

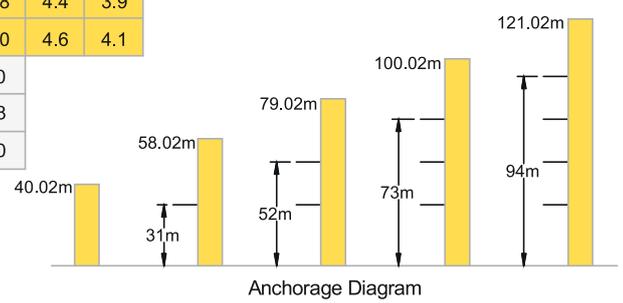


F Reaction ◇ In Service △ Out of Service ☼ Dead weight without load and counter weights but with longest jib and free standing height.  
 P Vertical Load H Free Standing Height Jib \* 30 - 35m \* 40 - 45m \*\*\* 50m \*\*\*\*\* 55m

**LC 228B Luffing Crane** **12 t**

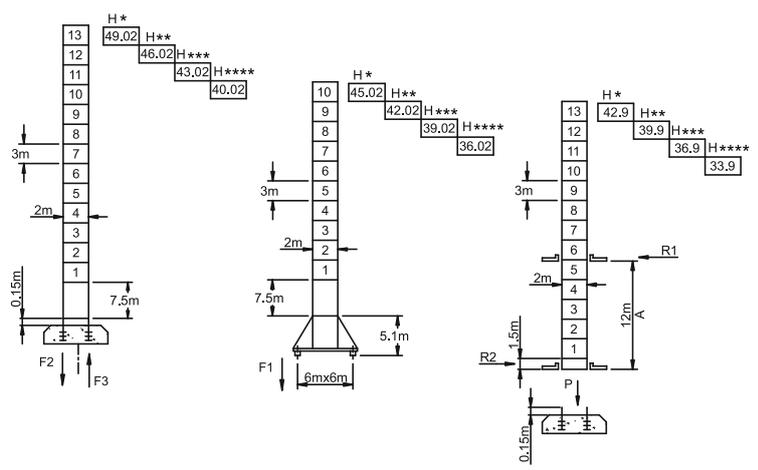
**Load Capacity**

|                |                   |          |      |     |     |     |      |      |      |     |     |     |     |     |      |     |
|----------------|-------------------|----------|------|-----|-----|-----|------|------|------|-----|-----|-----|-----|-----|------|-----|
| Jib Length 55m | Radius (m)        | 3.8~17.6 | 20   | 22  | 25  | 30  | 31.8 | 35   | 37   | 40  | 42  | 45  | 47  | 50  | 52   | 55  |
|                | Hoisting Load (t) | 12.0     | 10.4 | 9.4 | 8.0 | 6.3 | 5.8  | 4.9  | 4.4  | 3.9 | 3.5 | 3.1 | 2.9 | 2.6 | 2.4  | 2.3 |
|                |                   | 6.0      |      |     |     |     |      |      |      |     |     |     |     |     |      |     |
| Jib Length 50m | Radius (m)        | 3.5~19.6 | 22   | 25  | 27  | 30  | 32   | 34.2 | 34.8 | 37  | 40  | 42  | 45  | 47  | 50   |     |
|                | Hoisting Load (t) | 12.0     | 10.0 | 8.8 | 8.0 | 6.8 | 6.3  | 6.0  | 5.8  | 5.2 | 4.6 | 4.2 | 3.7 | 3.4 | 3.05 |     |
|                |                   | 6.0      |      |     |     |     |      |      |      |     |     |     |     |     |      |     |
| Jib Length 45m | Radius (m)        | 3.5~20.0 | 22   | 25  | 27  | 30  | 32   | 34.4 | 35   | 37  | 40  | 42  | 45  |     |      |     |
|                | Hoisting Load (t) | 12.0     | 10.4 | 9.0 | 8.1 | 7.0 | 6.4  | 6.0  | 5.8  | 5.3 | 4.8 | 4.4 | 3.9 |     |      |     |
|                |                   | 6.0      |      |     |     |     |      |      |      |     |     |     |     |     |      |     |
| Jib Length 40m | Radius (m)        | 3.5~20.2 | 22   | 25  | 27  | 30  | 32   | 34.8 | 35.4 | 37  | 40  |     |     |     |      |     |
|                | Hoisting Load (t) | 12.0     | 10.5 | 9.2 | 8.2 | 7.1 | 6.5  | 6.0  | 5.8  | 5.3 | 4.8 |     |     |     |      |     |
|                |                   | 6.0      |      |     |     |     |      |      |      |     |     |     |     |     |      |     |
| Jib Length 35m | Radius (m)        | 3.5~20.4 | 22   | 25  | 27  | 30  | 32   | 35   |      |     |     |     |     |     |      |     |
|                | Hoisting Load (t) | 12.0     | 10.8 | 9.3 | 8.3 | 7.3 | 6.6  | 6.1  |      |     |     |     |     |     |      |     |
|                |                   | 6.0      |      |     |     |     |      |      |      |     |     |     |     |     |      |     |



**Specifications**

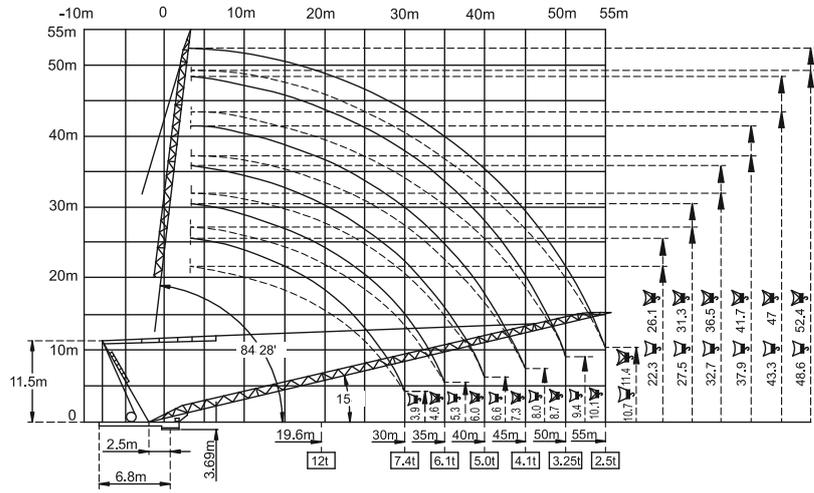
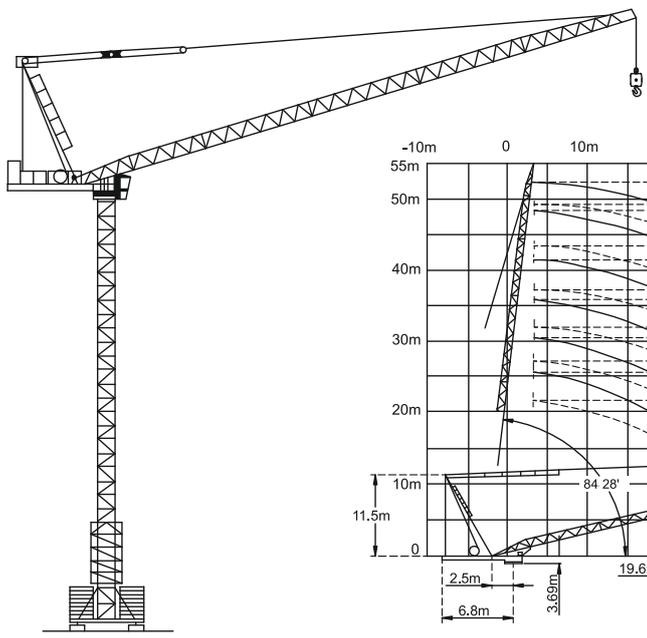
|                |                   |         |        |        |        |        |        |
|----------------|-------------------|---------|--------|--------|--------|--------|--------|
| Hoisting       | No of Falls       | ▲       |        | ▲      |        |        |        |
|                | Speed (m/min)     | 0 ~ 40  | 0 ~ 65 | 0 ~ 80 | 0 ~ 20 | 0 ~ 30 | 0 ~ 40 |
|                | Hoisting Load (t) | 6.0     | 4.0    | 3.0    | 12.0   | 8.0    | 6.0    |
|                | Power (kw)        | 55      | 55     | 55     | 55     | 55     | 55     |
| Slewing        | Speed (rpm)       | 0 ~ 0.7 |        |        |        |        |        |
|                | Power (kw)        | 2 x 9   |        |        |        |        |        |
| Travelling     | Speed (m/min)     | 0 ~ 25  |        |        |        |        |        |
|                | Power (kw)        | 4x3.4   |        |        |        |        |        |
| Luffing        | Speed (m/min)     | ≤ 3.0   |        |        |        |        |        |
|                | Power (kw)        | 45      |        |        |        |        |        |
| Main Supply    | 415V / 50Hz       |         |        |        |        |        |        |
| Electric Power | 118kw (147.5 kVA) |         |        |        |        |        |        |



|    |        |        |       |    |        |        |
|----|--------|--------|-------|----|--------|--------|
| F2 | ◇ 174t | △ 294t | ⊕     | F1 | ◇ 118t | △ 134t |
| F3 | ◇ 111t | △ 237t | 87.5t | ⊕  | 97t    |        |

|    |       |       |
|----|-------|-------|
| A  | 12m   | 16m   |
| R1 | 34t   | 25.5t |
| R2 | 29.6t | 22.2t |
| P  | 101t  | 101t  |
| ⊕  | 81.5t |       |

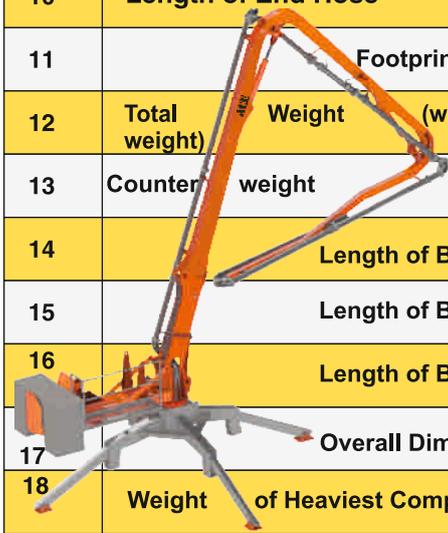


F Reaction ◇ In Service △ Out of Service ⊕ Dead weight without load and counter weights but with longest jib and free standing height.  
 P Vertical Load H Free Standing Height Jib \* 30 - 35m \*\* 40 - 45m \*\*\* 50m \*\*\*\* 55m

## Technical Specifications

## ACS Series

| S. No. | Description                           | Units | HGY 13         | HGY 17           |
|--------|---------------------------------------|-------|----------------|------------------|
| 1      | Max Radius of Placing Boom            | m     | 13.00          | 17.00            |
| 2      | Max. Height Working Reach             | m     | 15.35          | 19.90            |
| 3      | Max.Depth Working Reach               | m     | 5.40           | 11.78            |
| 4      | Elevation Angle                       | deg.  | -2 ~ 84.4      | -2 ~ 84.4        |
| 5      | Slewing Range                         | deg.  | 360            | 360              |
| 6      | Motor Power                           | kW    | 4              | 5.5              |
| 7      | Hydraulic Pressure                    | MPa   | 20             | 20               |
| 8      | Slewing                               | r/min | 0.46           | 0.2-0.3          |
| 9      | Delivery Pipeline Diameter            | mm    | 125            | 125              |
| 10     | Length of End Hose                    | m     | 3.00           | 3.00             |
| 11     | Footprint of machine                  | mxm   | 3.15 x 3.15    | 4.23 x 4.23      |
| 12     | Total Weight (without counter weight) | kg    | 2700           | 4940             |
| 13     | Counter weight                        | kg    | 2x900          | 2x1050           |
| 14     | Length of Boom I                      | m     | 3.70           | 6.67             |
| 15     | Length of Boom II                     | m     | 4.50           | 5.73             |
| 16     | Length of Boom III                    | m     | 4.80           | 4.60             |
| 17     | Overall Dimensions                    | m     | 6.82x3.43x3.14 | 10.22 x4.64x3.50 |
| 18     | Weight of Heaviest Component          | kg    | 2310           | 3173             |



## Technical Specifications ACP Series

|                         | Description                  | Units | HGY 33C-3R | HGY 36C-4R |
|-------------------------|------------------------------|-------|------------|------------|
| <b>Performance</b>      | Max Radius of Placing Boom   | m     | 32.7       | 36         |
|                         | Free Standing Height         | m     | 22.7       | 22.7       |
|                         | Slewing Range                | deg.  | ±400       | ±400       |
|                         | Total Weight                 | kgs.  | 22000      | 28000      |
|                         | Counter Weight               | kgs.  | no need    | no need    |
|                         | Weight of Heaviest Component | kgs.  | 5200       | 5300       |
|                         | Electric Power               |       | 415V/50Hz  |            |
| <b>Motor</b>            | Power                        | kW    | 15         | 30         |
| <b>Hydraulic System</b> | System Pressure              | MPa   | 30         | 32         |
|                         | Oil Tank Capacity            | ltrs. | 180        | 180        |



|  |                                   |                     |                                     |               |            |
|--|-----------------------------------|---------------------|-------------------------------------|---------------|------------|
| <b>Controls</b>                        |                                   |                     | Radio Remote Control                |               |            |
|  |                                   |                     | Manual                              |               |            |
| Section of Tubular Column              |                                   | (mxm)               | 0.75 x 0.75                         |               |            |
| <b>Boom</b>                            | <b>Boom Type</b>                  |                     | Hydraulically Foldable Arm Sections |               |            |
|  | <b>Delivery Pipeline Diameter</b> |                     | mm                                  | 125           |            |
|  | <b>Length of End Hose</b>         |                     | m                                   | 3             | –          |
|  | <b>1st Section</b>                | <b>Length</b>       | m                                   | 15.5          | 12.3       |
|  |                                   | <b>Articulation</b> | deg.                                | -4.2° ~ 82.5° | -3° ~ +85° |
|  | <b>2nd Section</b>                | <b>Length</b>       | m                                   | 9.2           | 7.9        |
|  |                                   | <b>Articulation</b> | deg.                                | 0° ~ 180°     | 0° ~ 180°  |
|  | <b>3rd Section</b>                | <b>Length</b>       | m                                   | 8.0           | 7.9        |
|  |                                   | <b>Articulation</b> | deg.                                | 0° ~ 180°     | 0° ~ 180°  |
|  | <b>4th Section</b>                | <b>Length</b>       | m                                   | –             | 7.9        |
|  |                                   | <b>Articulation</b> | deg.                                | –             | 0° ~ 180°  |
|  | <b>Climbing Type</b>              |                     |                                     | Hydraulic     |            |
| <b>Internal Climbing Step Distance</b> |                                   | m                   | 0.60                                |               |            |
| <b>Floor Frame</b>                     |                                   |                     | Hole Prepared in Floor              |               |            |



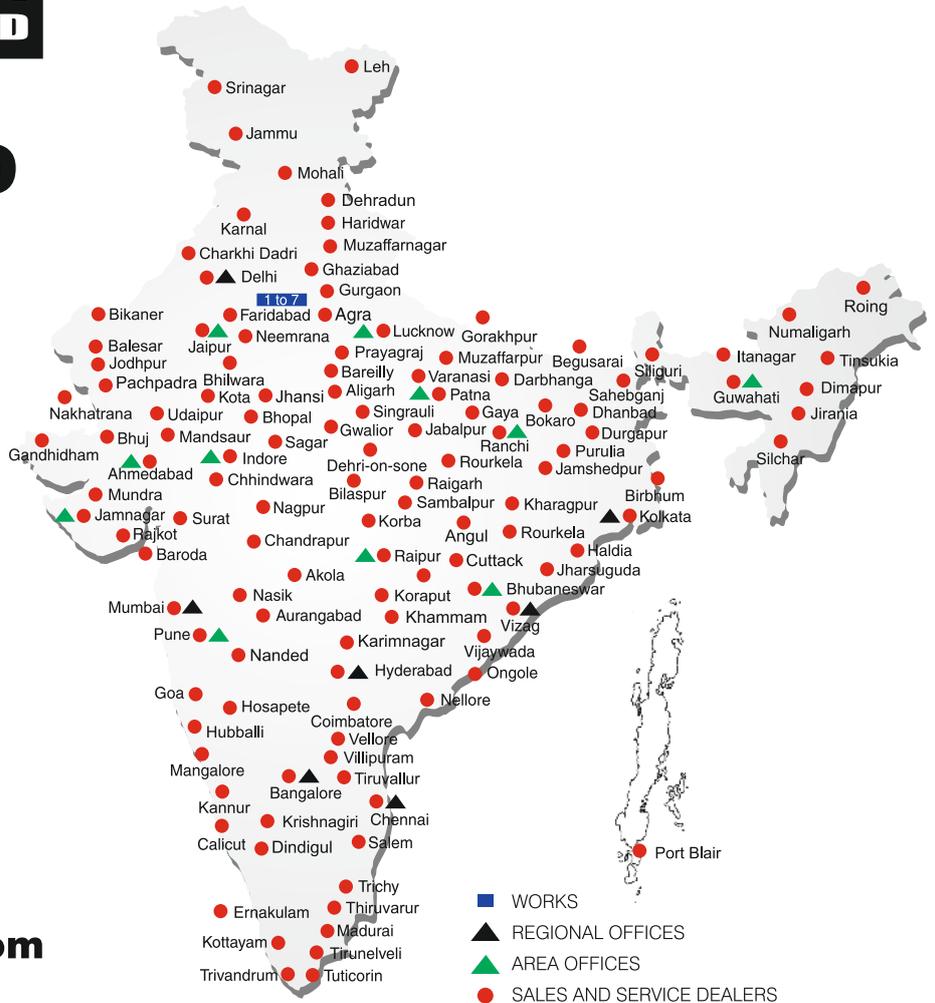
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