

# BUILT TO PERFORM



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

**RELIABLE AND  
DEPENDABLE  
EFFICIENCY**

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**HERE TO SERVE YOU.**

**TM600**  
We will generate  
QR Code later.



**ACE**  
Action Construction Equipment Ltd.

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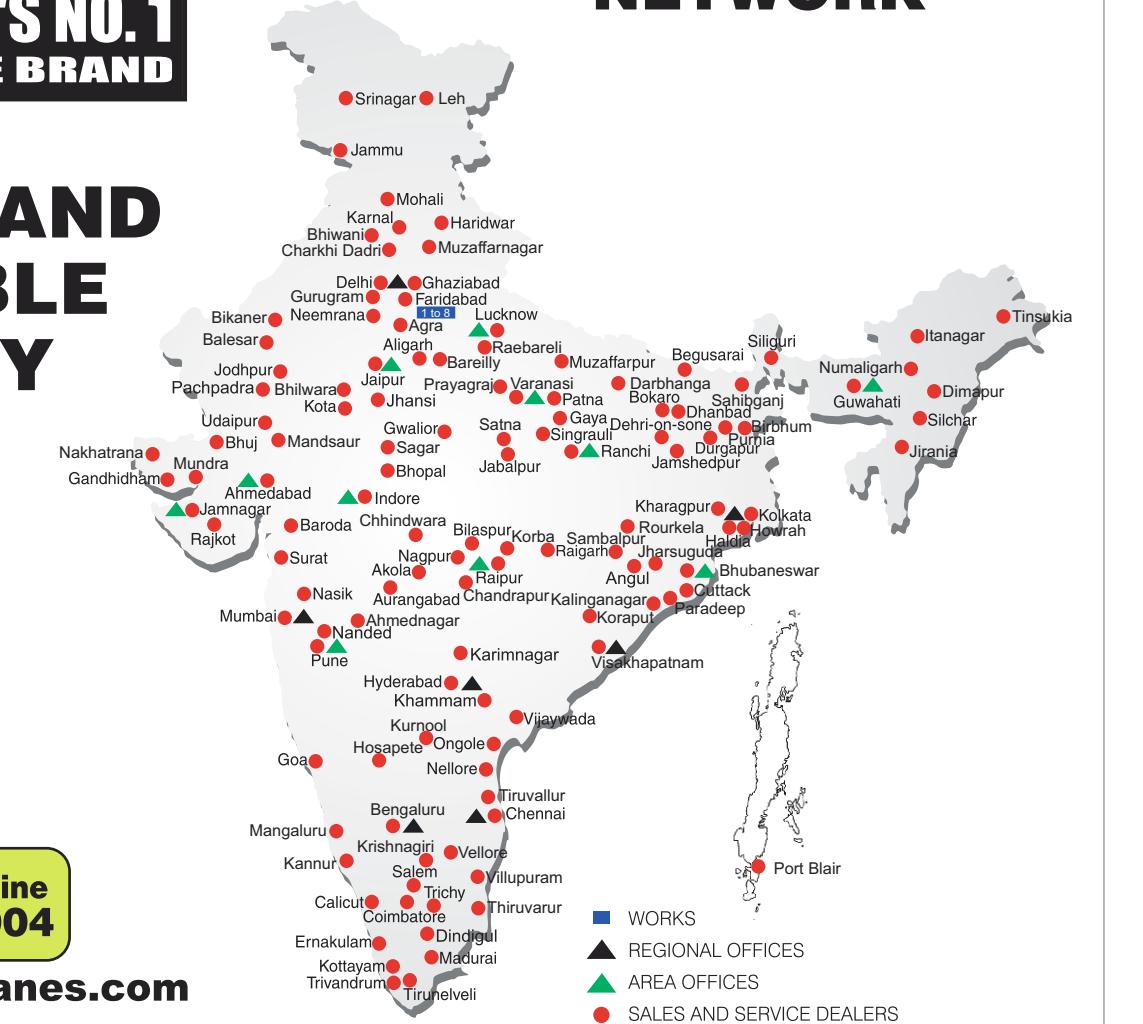


TM600/11/25

ACE reserves the right to alter any specifications without prior notice. Dimensions, weights & capacities mentioned herein are variable by ± 5%. Accessories if shown are not part of the Standard Equipment.

**100%**  
**swadeshi** 

## NETWORK



**ACE**  
**TM 600**

### Truck Crane

Rugged and reliable  
60T capacity  
8x4 Drive Truck Crane

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

**CEV  
STAGE**

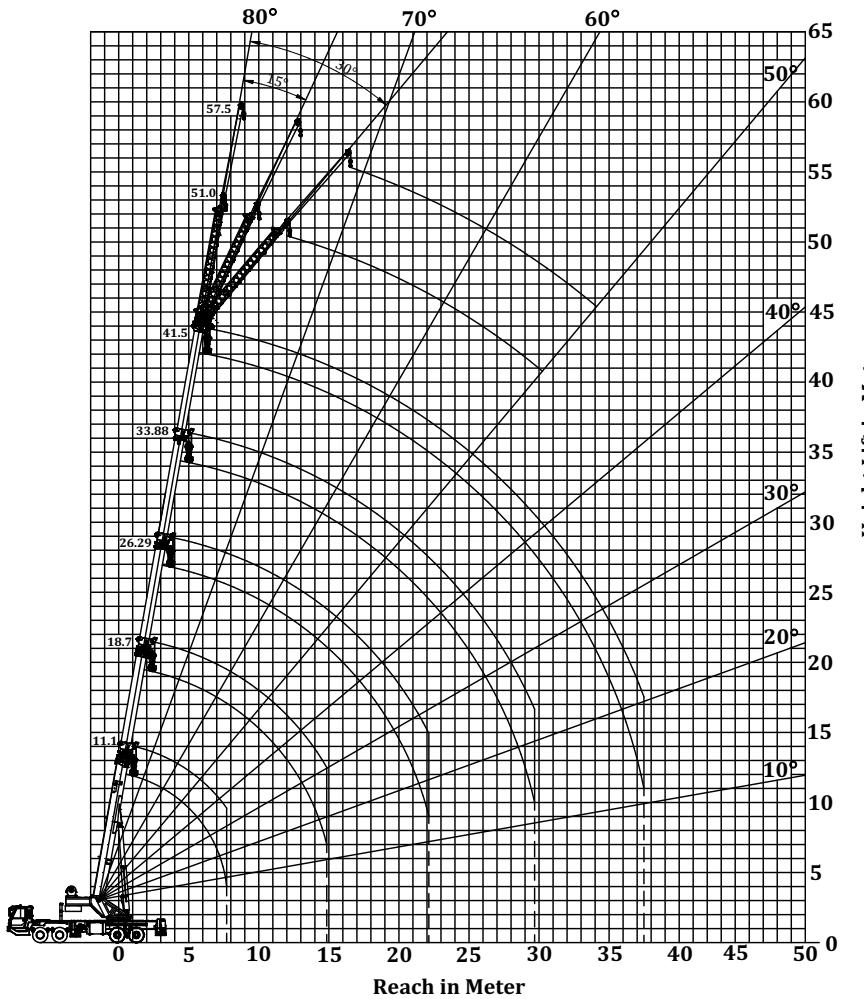


### Mobile Cranes (9-250 Tonnes)

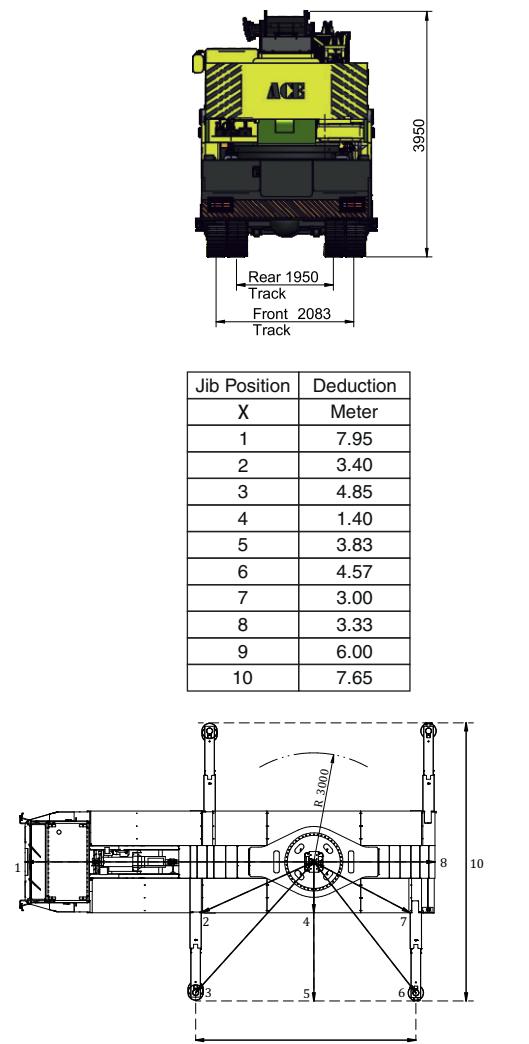




**Lifting Height / Working Range Diagram**



**Dimensions**



## Specifications

| TM600                           |   |
|---------------------------------|---|
| <b>Crane Chassis</b>            | <ul style="list-style-type: none"> <li>Torsion proof chassis fabricated from high tensile steel plates. Outrigger boxes are integrated with the chassis.</li> <li>Drive is 8x4x4 (4 wheel drive and 4 wheel steer)</li> <li>Full width driver cabin is provided with driver and co-driver seating arrangements.</li> </ul>  |
| <b>Engine</b>                   | Mahindra Power or suitable, turbo charged, inter cooled diesel engine developing 265 bhp@ 2200 rpm  |
| <b>Clutch</b>                   | Single plate (395mm), Dry, hydraulic actuated diaphragm type  |
| <b>Transmission</b>             | Nine speed synchromesh gear box with crawler gear and one speed reverse gear  |
| <b>Top Speed</b>                | 49 Kmph.  |
| <b>Brakes</b>                   | Air pressurized diaphragm operated with dual line arrangement. Flick valves operated pneumatic hand brake on rear and service brake on all wheels   |
| <b>Tyre Size</b>                | 12.00 X 20-16 ply rating(12+1 Nos.)   |
| <b>Outrigger</b>                | Four hydraulically operated telescopic outrigger fitted with lock valve. Outrigger blocks are removable and stowable. Fifth outrigger is also provided below the cabin.   |
| <b>Hydraulic System</b>         | Triple Gear pump driven by transmission P.T.O. supplies oil to all circuits except steering system.   |
| <b>Super Structure</b>          | Fabricated with high tensile steel plates and is capable of unlimited slewing in either direction. Super structure is mounted on a sealed internal teeth slew ring.   |
| <b>Boom Derricking</b>          | Double acting hydraulic cylinder with counter balance safety valve.   |
| <b>Slewing</b>                  | Piston type hydraulic motor drives a pinion through reduction gear unit. Double counter balance valve is provided for smooth control of operations.   |
| <b>Boom</b>                     | Five part hexagon construction boom is fabricated from high tensile plates and is extendable from 11.1m to 41.5m by twin double acting hydraulic cylinders. Counter balance valve is provided for both cylinders for safety of the load.  |
| <b>Telescopic</b>               |   |
| <b>Optional Equipment</b>       | Side folding lattice jib - 9 to 16 mtrs with three offset positions.  |
| <b>Hoist System</b>             | Hoist winch is provided with piston type hydraulic motor driving grooved hoist barrel via reduction gear unit. The system is fitted with counter balance valve to control the speed of lowering and to hold the lifted load.  |
| <b>Hook Block</b>               | 6 sheaves hook block is provided  |
| <b>Hoist Rope</b>               | 18 mm diameter.   |
| <b>Capacities</b>               |   |
| Hydraulic Tank                  | 700 Lts.  |
| Fuel Tank                       | 335 Lts.  |
| <b>Operator's Cabin (Crane)</b> | Cabin with maximum all round vision is fitted. All controls for crane motion and electrical controls are provided in the cabin. Cabin is fitted with fan and lights.  |
| <b>Safety Equipment</b>         | <ul style="list-style-type: none"> <li>Safe load indicator provides radius and hook load indication with visual indication of approach to overload and audible indication of over load condition.</li> <li>Overload and Over hoist cut-off.</li> <li>Pressure relief in main circuit.</li> <li>Pilot operated check valves are provided in all the load lifting cylinders.</li> </ul> |
| <b>Performance Data</b>         | <ul style="list-style-type: none"> <li>Derrick Angle -2° to 80°</li> <li>Derrick time 45-80 secs (In &amp; out)</li> <li>Telescoping time 80-90 secs</li> <li>Slew 0-2 RPM</li> <li>Hoist Single line speed 90 m/min.</li> </ul>  |
| <b>Outriggers</b>               | <ul style="list-style-type: none"> <li>Out 34 secs</li> <li>In 26 secs</li> <li>Down 30 secs</li> <li>Up 38 secs</li> </ul>   |
| <b>Axle loads</b>               |   |
| Front axle weight               | 12670 kgs.  |
| Rear axles weight               | 26285 kgs.  |
| Total weight                    | 38955 kgs.  |

## Rated Lifting Capacity (in Kgs.) 85% Rating

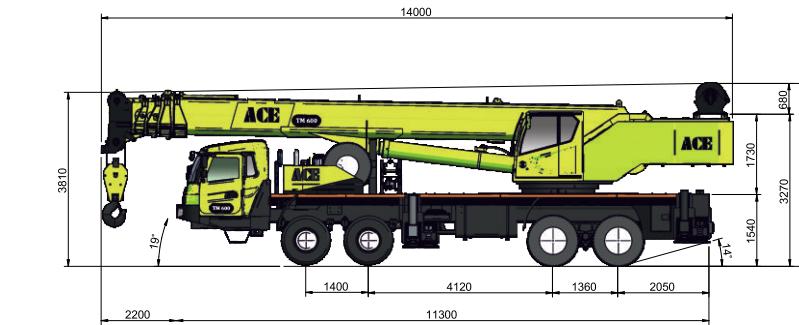
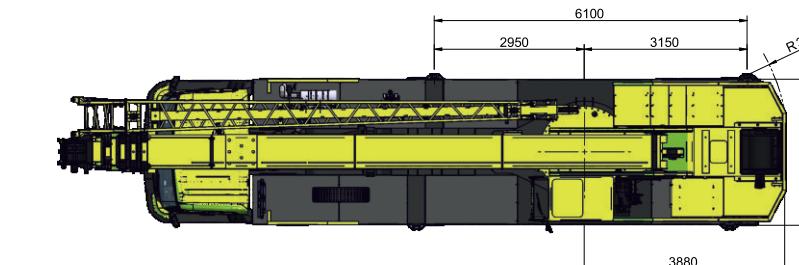
| Radius Meter | 360° BLOCKED      |                          |                          |                          |                          |
|--------------|-------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|              | Jib Closed 11.1 M | Jib Extended 11.1M-18.7M | Jib Extended 18.7M-26.3M | Jib Extended 26.3M-33.9M | Jib Extended 33.9M-41.5M |
| 3.0          | 60000             |                          |                          |                          |                          |
| 3.5          | 55100             | 35100                    |                          |                          |                          |
| 4.0          | 48000             | 35000                    |                          |                          |                          |
| 4.5          | 45200             | 33200                    | 24700                    |                          |                          |
| 5.0          | 41100             | 30100                    | 24350                    | 17650                    |                          |
| 5.5          | 36200             | 28000                    | 24200                    | 17600                    |                          |
| 6.0          | 32600             | 26400                    | 22400                    | 17550                    |                          |
| 6.5          | 29400             | 25100                    | 21100                    | 17500                    |                          |
| 7.0          | 26500             | 24200                    | 20200                    | 17400                    |                          |
| 7.5          | 23400             | 2200                     | 18900                    | 16900                    |                          |
| 8.0          | 20700             | 20900                    | 18000                    | 16200                    | 9700                     |
| 9.0          | 16150             | 15600                    | 16650                    | 14600                    | 9600                     |
| 10.0         |                   | 12800                    | 13600                    | 13500                    | 9350                     |
| 11.0         |                   | 10100                    | 11200                    | 11400                    | 9000                     |
| 12.0         |                   | 8300                     | 9300                     | 10200                    | 8600                     |
| 14.0         |                   | 5750                     | 6800                     | 7500                     | 7400                     |
| 16.0         |                   | 3850                     | 4950                     | 5750                     | 6750                     |
| 18.0         |                   |                          | 3650                     | 4300                     | 4900                     |
| 20.0         |                   |                          | 2700                     | 3150                     | 3900                     |
| 22.0         |                   |                          | 1900                     | 2500                     | 3050                     |
| 24.0         |                   |                          | 1800                     | 2500                     | 3050                     |
| 26.0         |                   |                          | 1200                     | 2000                     |                          |

1. The above capacities are in accordance with Indian Standard Code - IS:4573-1982.

2. Rated loads do not exceed 85% of tipping load at rated radius. The loads shown are gross loads and the weight of the hook block, slings, lifting tackle etc. must be considered as part of the rated load.

3. Outrigger's to be deployed in fully extended and jacked position on firm & rigid leveled surface.

## Overall Dimensions



ALL DIMENSIONS ARE IN mm ± 5%

## Capacity with Fly Jib (Kgs.)

| Elevation of Main Boom | Main Boom + Jib               |      |                              |      |      |      |
|------------------------|-------------------------------|------|------------------------------|------|------|------|
|                        | Installation of jib 41.5m+9.5 |      | Installation of jib 41.5m+16 |      |      |      |
|                        | 0°                            | 15°  | 30°                          | 0°   | 15°  | 30°  |
| 80°                    | 4500                          | 3600 | 2150                         | 2800 | 2200 | 1000 |
| 78°                    | 4500                          | 3600 | 2050                         | 2600 | 2000 | 1000 |
| 76°                    | 4200                          | 3150 | 1950                         | 2300 | 1850 | 1000 |
| 74°                    | 3800                          | 2750 | 1900                         | 2000 | 1700 | 1000 |
| 72°                    | 3000                          | 2550 | 1850                         | 1800 | 1550 | 1000 |
| 70°                    | 2300                          | 2350 | 1650                         | 1650 | 1400 | 1000 |
| 68°                    | 1700                          | 2100 | 1500                         | 1350 | 1250 | 900  |
| 66°                    | 1200                          | 1950 | 1400                         | 900  | 1100 | 800  |
| 64°                    | 800                           | 1700 | 1300                         | 600  | 900  | 500  |
| 62°                    | 500                           | 1650 | 1150                         | 800  | 400  |      |
| 60°                    |                               | 1600 | 1000                         |      | 750  |      |
| 58°                    |                               | 1100 | 850                          |      | 700  |      |
| 56°                    |                               | 1000 | 750                          |      |      |      |
| 54°                    |                               | 800  | 600                          |      |      |      |
| 52°                    |                               | 650  | 500                          |      |      |      |
| 50°                    |                               | 450  |                              |      |      |      |