

ACE

TM 250

Truck Crane

Rugged and reliable
25T capacity
6x4 Drive Truck Crane

ACE INDIA'S NO. 1
CRANE BRAND

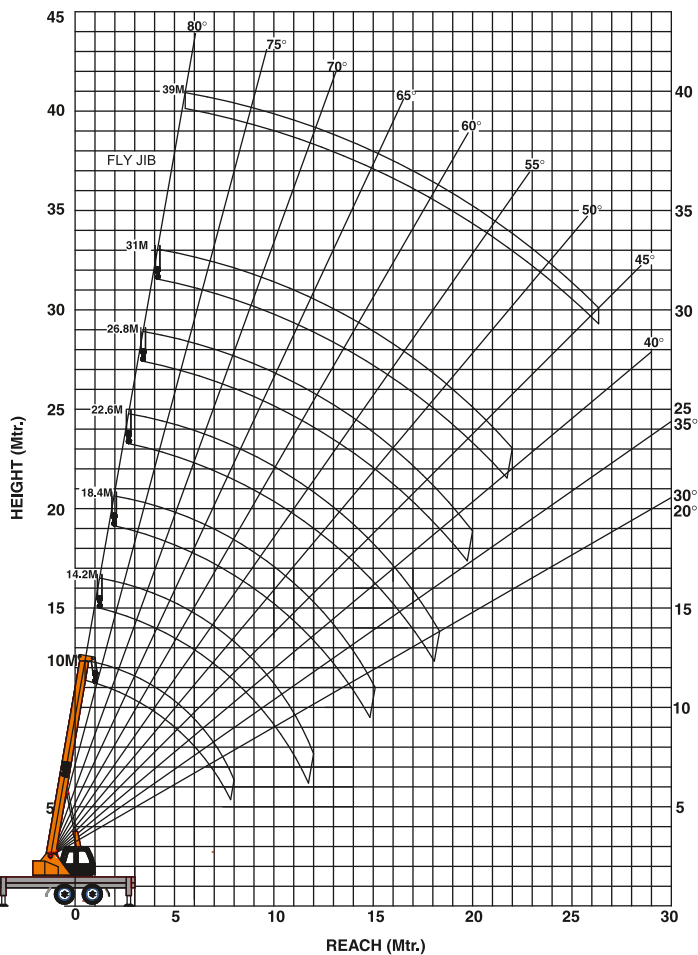


TM 250

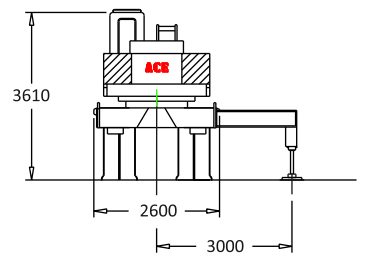
25 Tons



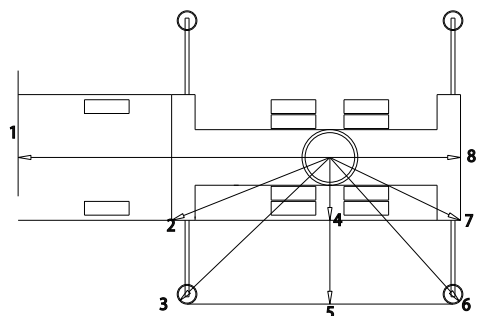
Lifting dimensions



Dimensions



Jib Position	Deduction
X	Meter
1	6.65
2	3.38
3	4.46
4	1.30
5	3.22
6	4.20
7	3.18
8	2.90



Specifications

TM 250

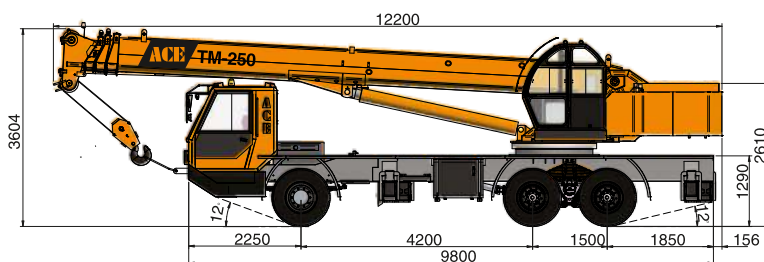
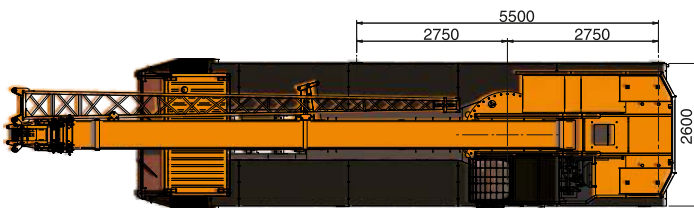
Crane Chassis	<p>Torsion proof chassis fabricated from high tensile steel plates. Outrigger boxes are integrated with the chassis.</p> <p>Drive is 6x4 (4 wheel drive and 2 wheel steer).</p> <p>Full width driver cabin is provided with driver and co-driver seating arrangements</p>
Engine	Six cylinder Water cooled diesel engine developing 180 bhp@ 2400 rpm
Clutch	Dry, Single Plate (380mm), hydraulically actuated diaphragm type.
Transmission	Six Speed Synchronesh Gear box.
Top Speed	60 Kmph.
Brakes	Air pressurized, diaphragm operated with dual Line arrangement. Flick Valves operated pneumatic hand brake on rear wheels only.
Tyres Size	10.00 X 20-16 PLY Rating (10+1)
Outriggers	Four hydraulically operated outriggers with vertical hydraulic jacks fitted with lock valves. Outrigger blocks are removable & stowable. One vertical jack also provide beneath driver cabin.
Hydraulic System	Gear type hydraulic pump driven by Transmission PTO.
Super Structure	Fabricated with high tensile steel plates and is capable of unlimited slewing in either direction. Super structure is mounted on a sealed, internal teeth slewing ring.
Boom Derricking	Double acting hydraulic cylinder with counter balance safety valve.
Slewing	Piston type hydraulic motor drives a pinion through reduction gear unit. Double counter balance valve is provided for smooth control and operations.
Telescopic Boom	Double acting hydraulic cylinder is provided for boom telescoping. Four part boom is fabricated from high tensile steel and is extendable from 10 mtrs to 31 mtrs.

Hoist System	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
Hook Block	4 sheaves block is provided
Hoist Rope	16 mm Diameter
Capacities	<p>Hydraulic Tank 400 Itrs.</p> <p>Fuel Tank 335 Itrs.</p>
Operator's Cabin (Crane)	Cabin with maximum all round vision is fitted with lockable door. All controls for crane motions & electrical controls are provided in the cabin. Cabin light & fan is also fitted.
Safety Equipment	<ul style="list-style-type: none"> • Safe load indicator which provides radius & hook indication with visual indication of approach to overload & audible indication of overload condition. • Over load and over hoist cut off. • Pressure relief in main circuit. • Pilot operated check valve provided in all the cylinders.
Performance Data	<ul style="list-style-type: none"> • Derrick Angle -2° to 80° • Derricking time 50-60 secs • Telescoping time 80-90 secs • Slew 0-2 RPM • Hoist Main: Single line speed 90 m/min. • Outriggers <ul style="list-style-type: none"> Out 12 secs In 10 secs Down 17 secs UP 12 secs
Axle Loads	<p>Front Axle 6800 kgs</p> <p>Rear Axle 20900 kgs</p> <p>Total weight 27700 kgs</p>
Optional Equipment	Side folding lattice Jib - 8 mtrs.

Rated Lifting Capacity (in Kgs.)

TM 250

Radius	360° BLOCKED					
	Jib Closed 10.0 M	Jib Extended 10.0-14.2M	Jib Extended 14.2-18.4M	Jib Extended 18.4-22.6M	Jib Extended 22.6-26.8M	Jib Extended 26.8-31.0M
Meter	Kgs.	Kgs.	Kgs.	Kgs.	Kgs.	Kgs.
3.0	25000	15000	13500			
3.5	23000	15000	13500			
4.0	20000	15000	13500	10500		
4.5	17000	14000	13000	10500		
5.0	16000	14000	13000	10000	8000	
5.5	14000	13000	12500	10000	8000	
6.0	12200	12000	12000	9500	7500	6000
6.5	11000	11200	11000	9000	7500	6000
7.0	9000	10000	10000	8000	7200	6000
8.0	7400	8000	8200	7500	6900	5600
9.0		6500	6200	6500	6200	5200
10.0		5100	5200	5300	5000	4700
11.0		4200	4200	4200	4200	4200
12.0		3500	3500	3300	3300	3300
14.0		2500	2500	2500	2400	2200
16.0				1900	1800	1800
18.0				1360	1360	1250
20.0					1000	1000
22.0						650



Boom Elevation	Main Boom + Jib (31m + 8m)
80°	3000
78°	2800
76°	2700
74°	2600
72°	2500
70°	2300
68°	1900
66°	1550
64°	1250
62°	950
60°	750
58°	550
56°	400



Mobile Cranes (9-80 Tonnes)



Tractors



Forklifts



Harvester Combine



Vibratory Rollers



Backhoe Loader



Crawler Cranes

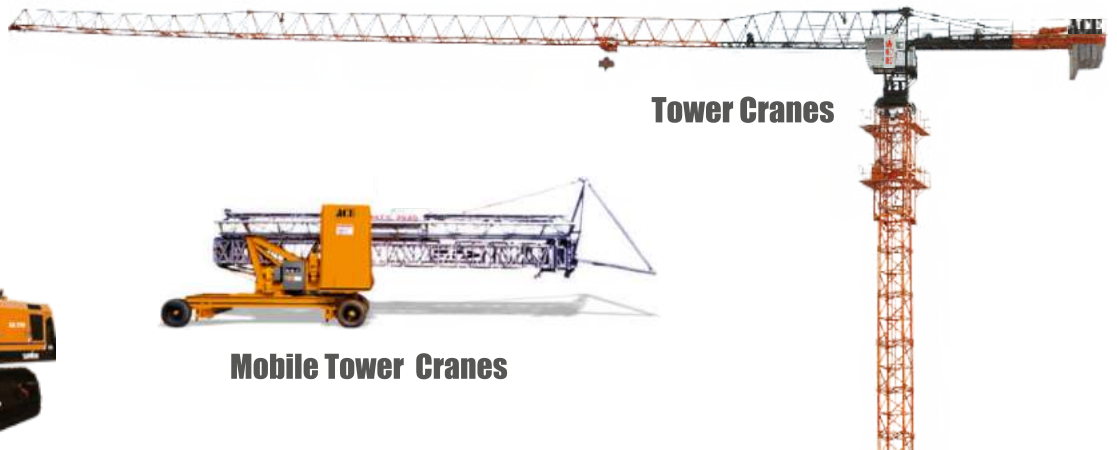
Motor Grader



Piling Rigs



Tower Cranes



Mobile Tower Cranes

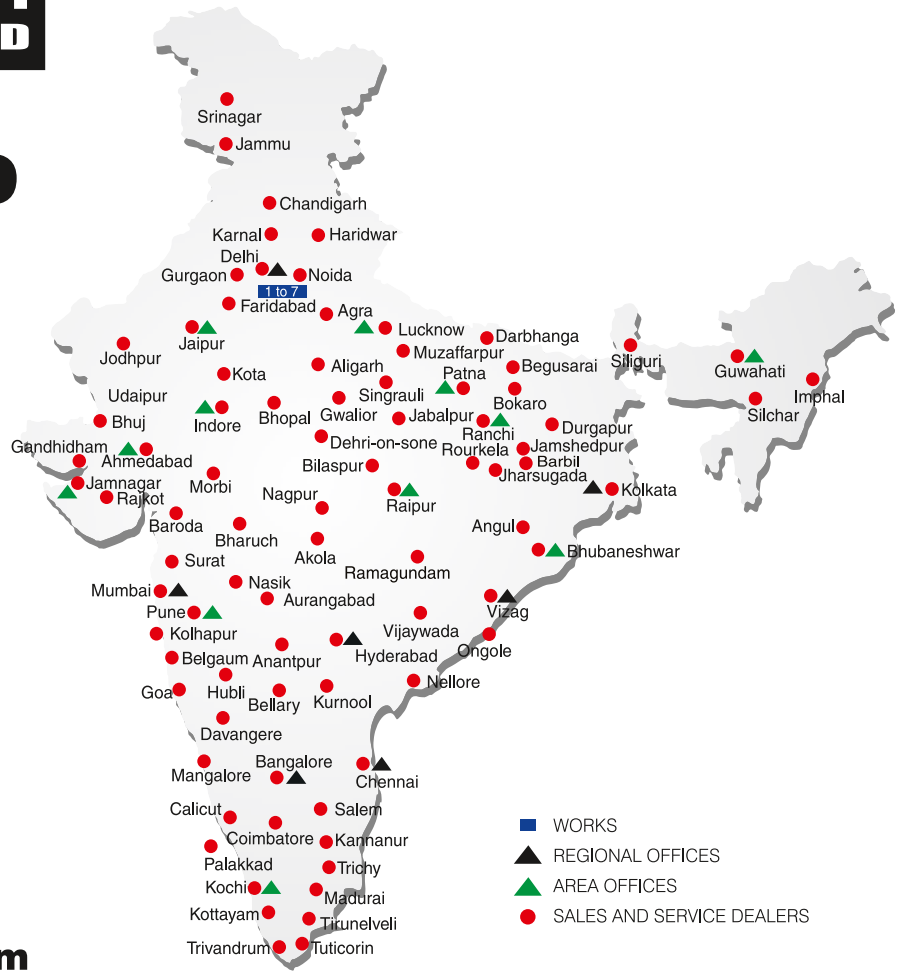


BUILT TO PERFORM



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DEPENDABLE
EFFICIENCY**

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Action Construction Equipment Ltd.

Contact:



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.