

Truck Mounted Cranes



STM55T

Truck Crane

Capacity : 55T capacity
Rugged and reliable
8x4 Drive Truck Crane



Crane Chassis	<ul style="list-style-type: none"> • Torsion proof chassis fabricated from high tensile steel plates. Outrigger boxes are integrated with the chassis. • Drive is 8x4x4 (4 wheel drive and 4 wheel steer) • Full width driver cabin is provided with driver and co-driver seating arrangements.
Engine	Mahindra Power or suitable, turbo charged, inter cooled diesel engine developing 274 bhp@ 2200 rpm
Clutch	Single plate(381mm), Dry, hydraulic actuated diaphragm type
Transmission	Nine speed synchromesh gear box with crawler gear and one speed reverse gear
Top Speed	49 Kmph.
Brakes	Air pressurized diaphragm operated with dual line arrangement. Flick valves operated pneumatic hand brake on rear and series brake for all wheels
Tyre Size	12.00 X 20-16 ply rating(12+1 Nos.)
Outrigger	Four hydraulically operated outrigger fitted with lock valve. Outrigger blocks are removable and stowable. Fifth outrigger is also provided below the cabin.
Hydraulic System	Triple Gear pump driven by transmission P.T.O, supplies oil to all circuits except steering system.
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 slew 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 of operations.
Telescopic Boom	Five part hexagon construction boom fabricated from high tensile plates and is extendable from 11.1m to 41.5m by twin double acting hydraulic cylinder. Counter balance valve is provided for both cylinders for safety of the load.

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 and to hold the lifted load.																				
Hook Block	6 sheaves hook block is provided																				
Hoist Rope	18 mm diameter.																				
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Operator's Cabin (Crane)	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.																				
Safety Equipment	<ul style="list-style-type: none"> • Safe load indicator provides radius and hook load indication with visual indication of approach to overload and audible indication of over load condition. • Overload and Over hoist cut-off. • Pressure relief in main circuit. • Pilot operated check valves are provided in all the load lifting cylinders. 																				
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Axle loads																					
Front axle weight	12200 kgs.																				
Rear axles weight	26060 kgs.																				
Total weight	38260 kgs.																				
Optional Equipment	Side folding lattice jib - 9 to 16 mtrs with three offset positions.																				