

STM45T

Truck Crane

Capacity : 45T 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 arrangement.
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.
Top Speed	49 Kmph.
Brakes	Air pressurized diaphragm operated with dual line arrangement. Flick valves operated pneumatic hand brake on rear and front wheels.
Tyre Size	11.00 X 20-16 ply rating (12+1)
Outrigger	Four hydraulically operated outriggers fitted with lock valves. Outrigger blocks are removable and stowable. Fifth outrigger is also provide below 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 and operations.
Telescopic Boom	Double acting hydraulic cylinder is provided for boom telescoping. Four part boom is fabricated from high tensile steel plates and is extendable from 10.7 m to 33.2 m.

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	5 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 cylinders. 																				
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Optional Equipment	Side folding lattice jib - 8.5 + 6.0 mtrs with three offset positions.																				