

Truck Mounted Crane



STM25T

Truck Crane

Capacity : 25T capacity
Rugged and reliable
6x4 Drive Truck Crane



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>	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
Engine	Six cylinder Water cooled diesel engine developing 180 bhp@ 2400 rpm	Hook Block	4 sheaves block is provided
Clutch	Dry, Single Plate (380mm), hydraulically actuated diaphragm type.	Hoist Rope	16 mm Diameter
Transmission	Six Speed Synchronesh Gear box.	Capacities	
Top Speed	60 Kmph.	Hydraulic Tank	400 ltrs.
Brakes	Air pressurized, diaphragm operated with dual Line arrangement. Flick Valves operated pneumatic hand brake on rear wheels only.	Fuel Tank	335 ltrs.
Tyres Size	10.00 X 20-16 PLY Rating (10+1)	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.
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.	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.
Hydraulic System	Gear type hydraulic pump driven by Transmission PTO.	Performance Data	
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.	<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 	
Boom Derricking	Double acting hydraulic cylinder with counter balance safety valve.	Axle Loads	
Slewing	Piston type hydraulic motor drives a pinion through reduction gear unit. Double counter balance valve is provided for smooth control and operations.	Front Axle	6800 kgs
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.	Rear Axle	20900 kgs
		Total weight	27700 kgs
		Optional Equipment	Side folding lattice Jib - 8 mtrs.