

Mobile Crane



ST9T

Hydraulic Mobile Crane

Rough terrain and rugged articulated pick n move crane



Specifications

ST9T

LIFTING CAPACITY (Free on wheels)	9 Tonnes - SWL 11 Tonnes - TL
ENGINE	Mahindra 4485 IAE (BS III CEV) 4 cylinder, water cooled diesel engine OR suitable equivalent engine
Rated Power	47.5 HP (34.9 KW) at 2200 RPM
TRANSMISSION	Sliding mesh with 6 forward and 2 reverse speeds and high low range selector.
Clutch	Single, dry friction, clutch plate.
Top Speed	29 KMPH without load.
HYDRAULIC SYSTEM	<ul style="list-style-type: none"> ● Gear/Intra vane type main pump. ● Four spool control valve. ● Suction line has 100 mesh size strainer while return line is fitted with 25 micron full flow filter. ● Two double acting lift cylinders, two double acting steering cylinders and one double acting extension cylinder.
BRAKES	Pneumatically assisted hydraulic brakes. Front and rear brakes are actuated through a single pedal. Parking brake is Provided.
STEERING	Hydraulically operated with 55° articulation on either side and turning radius of 5.5 Mtrs. (approx) on outer rear wheels.
ELECTRICAL SYSTEM	12V. Negative earth with 35 Amp. alternator and 75 Amp hr. battery.
TELESCOPIC BOOM	Two part slotted boom with hydraulically operated extension of 1800 mm stroke.
Telescoping Time	10 Seconds.
BOOM LUFFING	
Range	-5° to + 60°
Time	20 Seconds.
HOIST	Winch is driven by hydraulic motor employing 4 falls of 13 mm dia rope.
Hoist Speed	50 Mtrs./Min. (Line speed)
TYRES	
Front	10.00 x 20 - 16PR (4 Nos.)
Rear	13.00 x 24 - 12PR (2 Nos.)
FLUID CAPACITIES	
Air Cleaner	0.75 Ltrs.
Engine	8.00 Ltrs.
Fuel Tank	45.00 Ltrs.
Hydraulic Tank	100.00 Ltrs.
Transmission	48.00 Ltrs.

STANDARD EQUIPMENT	<ul style="list-style-type: none"> ● ROPS fully enclosed wide view cabin. ● Front tyre protector. ● Front and rear work lights. ● Reflectors. ● Tool kit. ● Gauges :- <ul style="list-style-type: none"> a) Water Temperature. b) Engine oil pressure. c) RPM meter cum hour recorder. d) Air pressure
SAFETY	<ul style="list-style-type: none"> ● Audio overload indication. ● Hose failure protection. ● Audio over hoisting indication. ● Safety brakes on hoist. ● Cylinder guards.
OPTIONAL EQUIPMENT	<ul style="list-style-type: none"> ● Fly jib. (1.25 tonnes max capacity) ● Steering wheel. ● Air brakes ● Spark arrestor. ● Over hoisting hydraulic cut off. ● Safe load indicator / LMI. ● City type double driving cabin,
VARIANT MODELS	<ul style="list-style-type: none"> ● ST9T (2300mm extension stroke) ● ST9T (without winch).
OPERATING WEIGHT	7750 kgs.

