

Mobile Crane



ST12T

Hydraulic Mobile Crane

Capacity : 12 tonnes Capacity
Rough terrain and rugged
articulated pick n move crane.



Specifications

ST12T

LIFTING CAPACITY (Free on wheels)	12 Tonnes
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	Heavy duty, sliding mesh with 6 forward and 2 reverse speeds with high low range selector.
Clutch	Heavy duty, single, dry friction, cerametallic clutch plate with diaphragm type pressure plate.
Top Speed	28 KMPH without load.
POWER STEERING	55° articulation through 2 hydraulic cylinders on either side and turning radius of 6.5 Mtrs. (approx) on outer edge of rear wheels.
BRAKES	Pneumatically assisted hydraulic brakes. Front and rear brakes are actuated through a single pedal. Parking brake is Provided.
HYDRAULIC SYSTEM	<ul style="list-style-type: none"> ● Gear/Intra vane type main pump. ● Four spools control valve. ● Suction line has 100 mesh size strainer while return line is fitted with 25 micron filter. ● Two double acting lift cylinders, two double acting steering cylinders and one double acting extension cylinder.

ELECTRICAL SYSTEM	12V. Negative earth with 35 Amp. alternator and 75 Amp hr. battery.
TELESCOPIC BOOM	Two part boom with hydraulically operated extension.
Telescoping Time	12 Seconds.
BOOM LUFFING	
Range	-5° to + 60°
Time	21 Seconds.
HOIST	Winch is driven by hydraulic motor employing 4 falls of 13 mm dia rope and fitted with hook block.
Hoist Speed	50 Mtrs./Min. (Line speed)
TYRES	
Front	11.00 x 20 - 16 PR (4 Nos.)
Rear	13.00 x 24 - 12 PR (2 Nos.)
SAFETY	<ul style="list-style-type: none"> ● Audio overload indication. ● Hose failure protection. ● Audio over hoisting indication. ● Safety brakes on hoist. ● Cylinder guards.
FLUID CAPACITIES	
Engine	7.00 Ltrs.
Fuel Tank	45.00 Ltrs.
Hydraulic Tank	125.00 Ltrs.
Transmission	48.00 Ltrs.
STANDARD EQUIPMENT	<ul style="list-style-type: none"> ● ROPS fully enclosed wide view cabin with rotomould canopy. ● Front tyre protector. ● Front and rear work lights. ● Reflectors & rear view mirror. ● 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
OPTIONAL EQUIPMENT	<ul style="list-style-type: none"> ● Fly jib. (1.25 tonnes max capacity) ● Steering Wheel. ● Air Brakes. ● Three part boom (height 11.1 mtrs or 12.8 mtrs) ● Spark arrester. ● Simpson S433 Engine ● Fire extinguisher ● City type double driving cabin. ● Over hoisting hydraulic cut off. ● Safe load indicator / LMI. ● Slotted boom
OPERATING WEIGHT	9250 kgs. (2 Part)

