

Mobile Crane



ST20T

Hydraulic Mobile crane

Capacity : 20 Tonnes Capacity
Rough terrain and rugged
articulated pick n move crane.



Specifications

ST20T

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| LIFTING CAPACITY (Free on wheels) | 20 Tonnes |
| ENGINE | Simpson (CEV BSIV), 4 cylinder water cooled diesel engine Model SIV436-F23 |
| Rated Power | 74 HP (54 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 |
| BRAKES | Air operated S Cam dual brakes on front wheels and air operated disc brakes on rear wheels. Rear wheels brakes are actuated through a single pedal Parking brake is pneumatically operated fail safe type |
| HYDRAULIC SYSTEM | <ul style="list-style-type: none"> ● Gear / Intra Vane type Main Pump. ● Four spools control valve with built in Relief valve (heavy duty) ● 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 two double acting extension cylinders. |
| STEERING | Lever operated with 55° articulation on either side and turning radius of 6.5 Mtrs. (approx) on outer rear wheels |
| TELESCOPIC BOOM | Three part boom with hydraulically operated extensions |
| Telescoping Time | 18 Sec. |
| BOOM LUFFING | |
| Range | -3° to + 66° |
| Time | 20 Sec. |
| HOIST | Winch is driven by hydraulic motor and fitted with hook block employing 6 falls of 13mm dia. Rope. |
| Hoist Speed | 50 Mtrs./Min. (Line speed) |
| TYRES | |
| Front | 12.00 x 20 – 18 PR (4 Nos.) |
| Rear | 14.00 x 25 – 20 PR (2 Nos.) |
| ELECTRICAL SYSTEM | 12V, Negative earth with 35 Amp. alternator and 100 Amp hr. battery |

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| FLUID CAPACITIES | |
| Engine | 9.5 Ltrs. |
| Fuel Tank | 76.00 Ltrs |
| Hydraulic Tank | 125.00 Ltrs. |
| Transmission | 48.00 Ltrs. |
| SAFETY | <ul style="list-style-type: none"> ● Audio overload indication. ● Hose failure protection. ● Audio over hoisting indication ● Safety brakes on hoist. ● Cylinder guards |
| 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 : 2.75 Mtrs., 1.25 Tonnes Capacity ● Steering Wheel in lieu of lever type steering ● Spark arrestor ● Fire Extinguisher ● 4 part boom - 20 Mtrs. height ● 5 part boom - 22 Mtrs. height ● Over Hoist hydraulic cutoff ● Safe load indicator / LMI |
| OPERATING WEIGHT | 15970 Kgs. |

(11.75 Mtrs. Height)

