

SCE-12

HYDRAULIC MOBILE CRANE

SCE-12 T - 36', 42'



AN ISO 9001:2015 COMPANY

SCE
SHAKTI CONSTRUCTIONS EQUIPMENT

12T 36FT Pick & Carry Crane

Heavy duty front bumper

Low Maintenance Service Cost

Rugged Structure

Efficient in Fuel



SPECIFICATIONS

RATED CAPACITY (Free on Wheel)	12 Tons 36FT.
ENGINE	Simpson, Four Cylinder, Water Cooler Diesel Engine Rated power for crane 49 BHP @ 2200 RPM (max continuous engine rating 58.3 @ 2300 RPM)
TRANSMISSION	Heavy duty, sliding Mesh developed specially for crane application. 4 forward and 2 reverse speeds with high & low selector lever.
Clutch	Heavy duty, single, dry friction, wire woven clutch plate especially designed for crane application.
Top Speed	26 KMPH without load.
HYDRAULIC SYSTEM	
Pump	Vane hydraulic pump. (Velgon)
Control Valve	Precision Control & 4 Spool Valve with pressure relief value.
Hydraulic Filter	Suction line has a 100 mesh inline strainer while line has 25 micron full flow filter.
BOOM	
Telescoping	36ft (10.90mtr.) 3 Part, 1st & 2nd parts are actuated by hydraulic cylinders.
Derricking	Open double acting hydraulic cylinders.

STEERING	
Type	2 double acting steering with articulated hydraulically Rams
Articulation	58° articulation through 2 hydraulic cylinders on either side and turning radius of 13Mtrs. (approx) on outer edge of rear wheels.
Turning Radius	Minimum 13mtrs (approx) on outer edge to rear wheels
BRAKES	
Front Wheel	Pneumatically operated dual circuit Air brakes.
Rear Wheel	Pneumatically operated at rear wheels.
Parking	Parking Break is pneumatically operated.
HOIST MECHANISM	
HOIST	4 Falls wire rope with, small drum SAI winch. Rope dia 13mm.
CAPACITIES	
Air Cleaner	1.00 Ltr.
Engine	10.00 Ltrs.
Fuel Tank	60.00 Ltrs.
Hydraulic Tank	140.00 Ltrs.
Transmission	48.00 Ltrs.
ELECTRICAL SYSTEM	
	12V (88 AH) Single Battery Negative Earth.

TYRES	
Front	10.00x20 - 16PR (4 Nos.)
Rear	13.00x24 - 16PR (2 Nos.)
SAFETY	
	Audio Overload Indication. Hose Failure protection. Audio over hoisting indication. Safety brakes on hoist. O.C Valve in Lift Cylinder. Cylinder guards.
STANDARD EQUIPMENT	
	Ropes Full enclosed with view cabin with rotomould canopy. Cabin Fan. Mobile Charger. Front And Rear Work Lights. Reflectors Tape & Rear View Mirror Tool Box With Tool Kit. Gauges Cluster Meter:- A) Water temperature. B) Engine oil Pressure. C) Amp. Meter. D) RPM Meter cum hour Recorder E) Air Pressure.
OPTIONAL EQUIPMENT	
	<ul style="list-style-type: none"> Fly Jib (1.0 Tones Max. Capacity. Safe load indicator Helper Seat/ Slinger Seat Slotted boom. Fully hydraulic 10.90mtrs. Height Over hoisting hydraulic cutoff Safe load indicator.