

ACE 14 XW

Hydraulic Mobile Crane

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

- Simpson engine
- Best in class stability
- Better creep speed
- Heavy duty and robust construction
- Ergonomically designed cabin

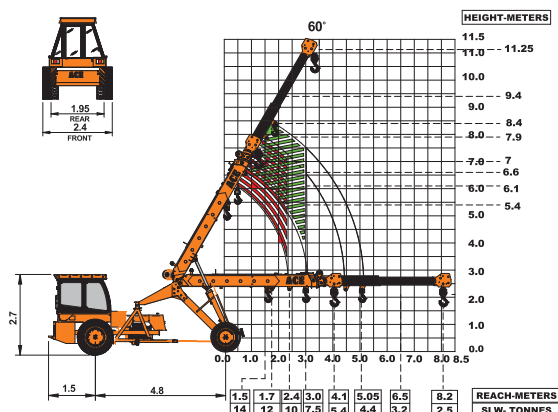


Specifications

14XW

LIFTING CAPACITY (Free on wheels)	14 Tonnes
ENGINE	Simpson's S433(I) F1 (CEV BS-III), 4 cylinder, water cooled diesel engine OR suitable equivalent engine
Rated Power	48 BHP (36KW) 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.
HYDRAULIC SYSTEM	<ul style="list-style-type: none"> ● Gear/Intra vane type main pump. ● Four spools control 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 one double acting extension cylinder.
POWER STEERING	Articulation through 2 hydraulic cylinders 55° articulation on either side and turning radius of 6.5 Mtrs. (approx) on outer rear wheels.
BRAKES	Pneumatically assisted hydraulic brakes. Front and rear brakes are actuated through a single pedal. Parking brake is Provided.
TELESCOPIC BOOM	Three part boom with hydraulically operated extensions (11.25 mtrs. height)
Telescoping Time	14 Seconds.

BOOM LUFFING	
Range	-5° to + 60°
Time	20 ± 3 Seconds.
HOIST	Winch is driven by hydraulic motor and fitted with hook block employing 4 falls of 13 mm dia rope.
Hoist Speed	50 Mtrs./Min. (Line speed)
FLUID CAPACITIES	
Air Cleaner	0.75 Ltrs.
Engine	8.00 Ltrs.
Fuel Tank	45.00 Ltrs.
Hydraulic Tank	125.00 Ltrs.
Transmission	48.00 Ltrs.
ELECTRICAL SYSTEM	12V. Negative earth with 35 Amp. alternator and 75 Amp hr. battery.
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.
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 :- 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 ● Spark arrester ● Air Brakes ● Fire Extinguisher ● 3 part slotted boom with self adjusting Hook Block (fully hydraulic-12.9 mtrs. height) ● 4 part slotted boom with self adjusting Hook Block (one manual extension- 15.5 mtrs. height) ● Over hoisting hydraulic cutoff ● Safe load indicator / LMI ● City type double driving cabin ● 4 part boom with max height of 16.3 mtrs. ● 14 x 25 - 16 PR Rear Tyres
OPERATING WEIGHT	12000 kgs.



NOTE: • All above specifications are pertaining to 14XW model fitted with 3 part boom
• Rated loads are on the basis of operation on firm and level surface.



- 1 STEERING WHEEL & CONTROLS**
Steering wheel is provided as an optional feature, which along with ergonomically placed operator console and instrument cluster ensures ease of operation.



- 2 TRAVEL SPEED**
Travel speed of 28 kmph provides faster intersite movements.



- 3 ROPS CABIN**
Wide view ROPS cabin with better visibility.



- 4 CITY TYPE DOUBLE DRIVING CABIN**



- 5 MAIN FRAME**
Heavy duty & robust construction.



- 7 SELF ADJUSTING HOOK BLOCK (Optional)**
Provides for safe boom extension and prevents damage of wire rope.



- 6 STEERING CYLINDERS**
700 mm stroke cylinders ensure proper steering even in loose, sandy & rocky terrains.



- 8 LIFT CYLINDERS**
Heavy duty lift cylinders ensure higher lifting capacities.



- 9 INCREASED VISIBILITY**
Bigger size front windscreen and re-routing of hoses provide much better front visibility.

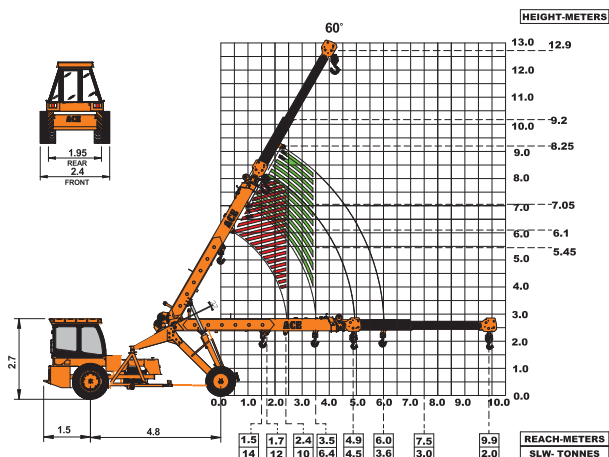


- 10 GROUND CLEARANCE**
High ground clearance of 400mm for easier rough terrain operation.

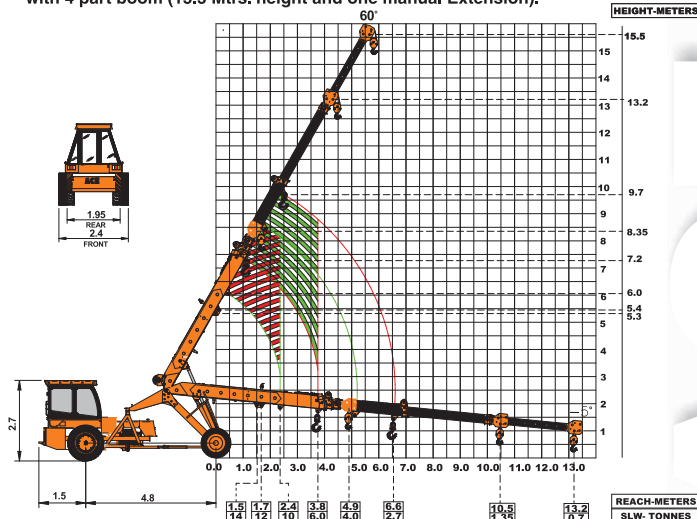


- 11 SLOTTED BOOM**
For easier load positioning (Optional)

ACE 14 XW Model Crane fitted with 3 part boom (12.90 Mtrs. height)



ACE 14 XW Model Crane fitted with 4 part boom (15.5 Mtrs. height and one manual Extension).



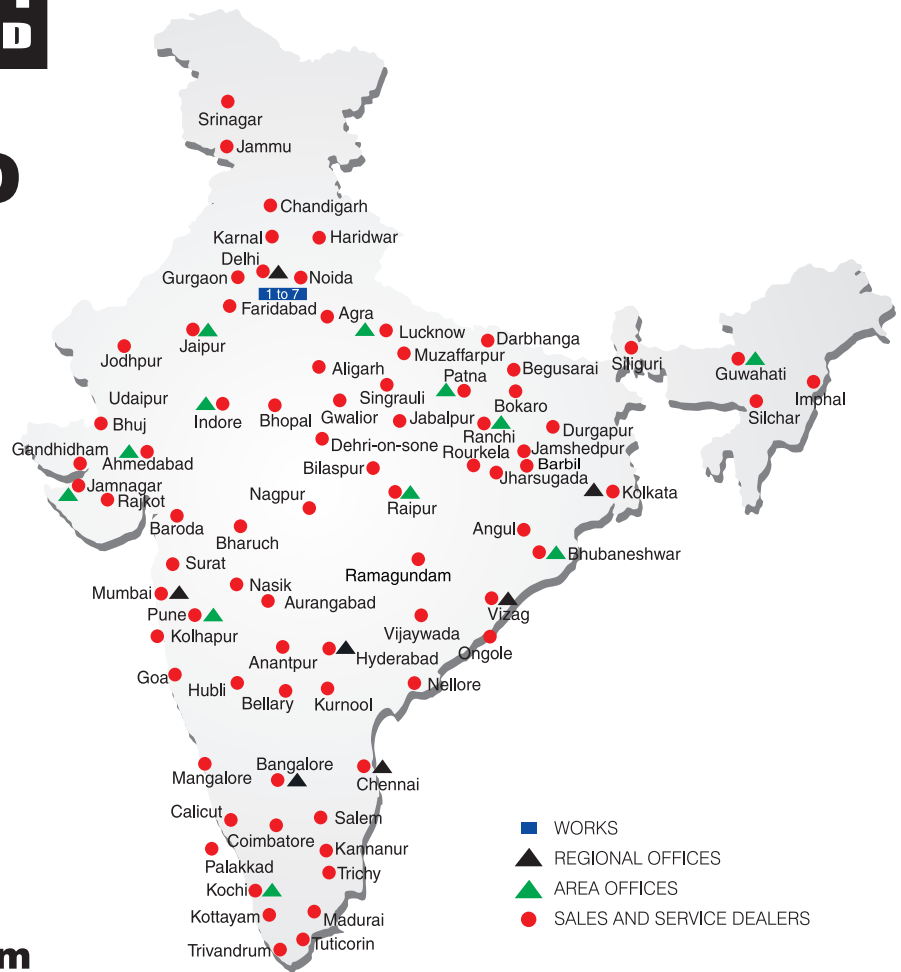
ACE advantages

BUILT TO PERFORM



**RELIABLE AND
DEPENDABLE
EFFICIENCY**

NETWORK



**Toll Free Help Line
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Action Construction Equipment Ltd.

Contact:



ACE reserves the right to alter any specifications without prior notice. Dimensions, weights & capacities mentioned herein are variable by $\pm 5\%$. Accessories if shown are not part of the Standard Equipment.