

ACE F230

Nextgen Hydraulic Crane Capacity : 23 Tonnes

Rough terrain and rugged, 4x4 articulated NextGen pick 'n' move crane



- CEV stage IV engine
- Heavy duty drive line
- Improved kinematics with low Center of gravity
- Slotted boom
- Self adjusting hook block
- Fail safe air brakes
- Better creep speed



Specifications

F-230

LIFTING CAPACITY	23 Tonnes
ENGINE	Volvo Eicher (CEV Stage IV) Diesel Engine Model E483 CRDi, 4 cylinder, Water Cooled, Turbo Charged Engine with Electronic Control Unit (ECU)
Rated Power	101 HP at 2200 RPM
TRANSMISSION	Heavy Duty Synchromesh with 10 Forward and 2 reverse speeds. Auxiliary Gear Box with 2WD/4WD selector.
Axles	Front axle is rigidly mounted on the chassis. Rear drive axle is mounted with 2 nos. Leaf springs.
Drive	4 Wheel drive.
Clutch	Heavy duty, single, dry friction type hydraulic clutch.
Creep Speed	1.3 KMPH
Top Speed	37 KMPH on even metaled Road (without load)
Gradeability	40 % (unladen)
STEERING	Full power orbitrol with twin hydraulic double acting cylinders and 40° articulation on either side
Turning Radius	8.15 Mtrs. on outer rear wheels.
BRAKES	<ul style="list-style-type: none"> • Dual Circuit Brakes • Fully Pneumatic brakes on front and rear wheels. • Parking brake is pneumatically operated, fail safe type
HYDRAULIC SYSTEM	<ul style="list-style-type: none"> • Gear/Intra Vane type main pump • Five 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 filter. • Two double acting lift cylinders, two double acting steering cylinders and one double acting extension cylinder.
TELESCOPIC BOOM	4 part slotted boom, 2 part hydraulically operated & synchronized and 4th part power extended

HOIST	3.5 Tonnes Line Pull Winch is driven by hydraulic motor and fitted with rope tensioner. Hoisting is provided through self adjusting hook block employing 6 falls of 13mm dia. Rope.
Hoist Speed	35 Mtrs./Min (Line Speed)
ELECTRICAL SYSTEM	12v, Negative Earth (100 AH Battery)
TYRES	
Front	12.00x24-18 PR (4 NOS.)
Rear	12.00x24-18 PR (4 NOS.)
Wheel Base	4900 mm
Wheel Track	1880 mm
SAFETY	<ul style="list-style-type: none"> • Hose failure protection • Audio over hoisting Indication • Safety brakes on hoist • Self-adjusting hook block • Front and rear wheel guards
STANDARD EQUIPMENT	<ul style="list-style-type: none"> • ROPS fully enclosed wide view cabin • Front work lights • Reflectors and rear view mirror • Tool kit • Cabin fan • Wiper motor • Instrument Cluster :- <ol style="list-style-type: none"> a) Fuel level gauge b) Air pressure gauge c) Oil pressure gauge d) Coolant temp e) Engine RPM f) Speedometer g) Odo meter h) Engine Hour Recorder i) Fault Detector Codes (P-Codes) • Rear view camera • Front Outriggers • Beacon Rotating Light
OPTIONAL EQUIPMENT	<ul style="list-style-type: none"> • Fly jib (1.25 Tonnes Max. Capacity) • Safe load indicator/ LMI • Over Hoist hydraulic cutoff • Fire extinguisher • Cabin Front Glass Protector • Helper / Slinger Seat • Drag Winch • Spark arrestor • 3 part slotted boom (11.5 mtrs height) • Front & Side Proximity Sensor • Man Basket Attachment • Fork Attachment • Ram Attachment
OPERATING WEIGHT	20340 Kgs.

ACE

4x4

100%
Swadeshi



ENGINE

Volvo Eicher (CEV Stage IV)
CRDi Diesel Engine Model E483
with nation wide service support and
spares availability



STEERING WHEEL & CONROLS

Ergonomically placed operator console and instrument cluster ensures ease of operation.



OUTRIGGERS

Front Outriggers for added safety during high lift operations.



ROPS CABIN

Front mounted, ergonomically designed Cabin for better visibility and driveability.



ATS

After treatment system for Emission Control



ECU

Electronic control unit for better fuel economy and diagnostic trouble shooting



ELECTRONIC CLUSTER

Digital Electronic Cluster with advanced features.



GROUND CLEARANCE

Ground clearance of 300mm for easier rough terrain operation.

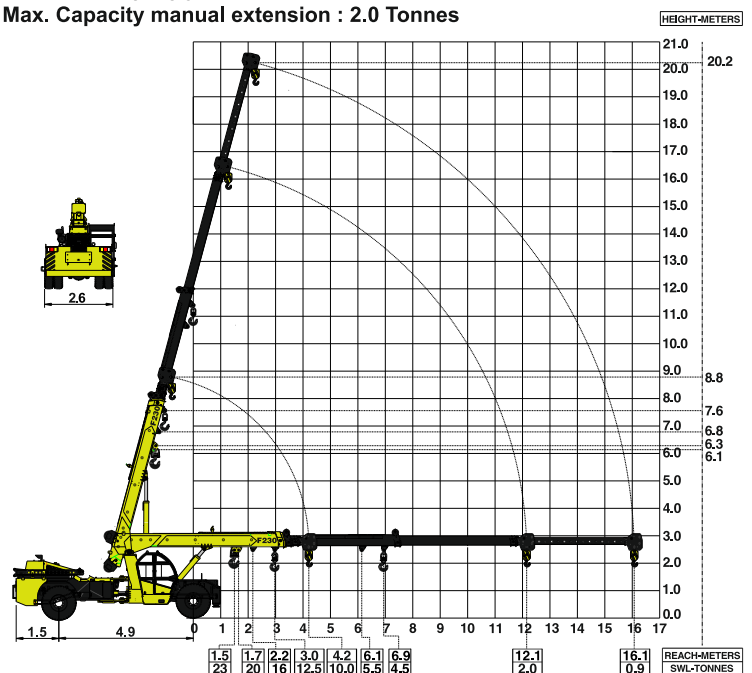


OPTIMIZED KINEMATICS AND LOW C.G.

F230 crane has been designed for operational safety with low Center of Gravity (C.G.) providing best in class stability

ACE F230 Model Crane fitted with 3 part slotted boom + 1 Manual (20.2 mtrs. height)

- Max. Capacity Fly jib : 1.25 Tonnes
- Max. Capacity manual extension : 2.0 Tonnes



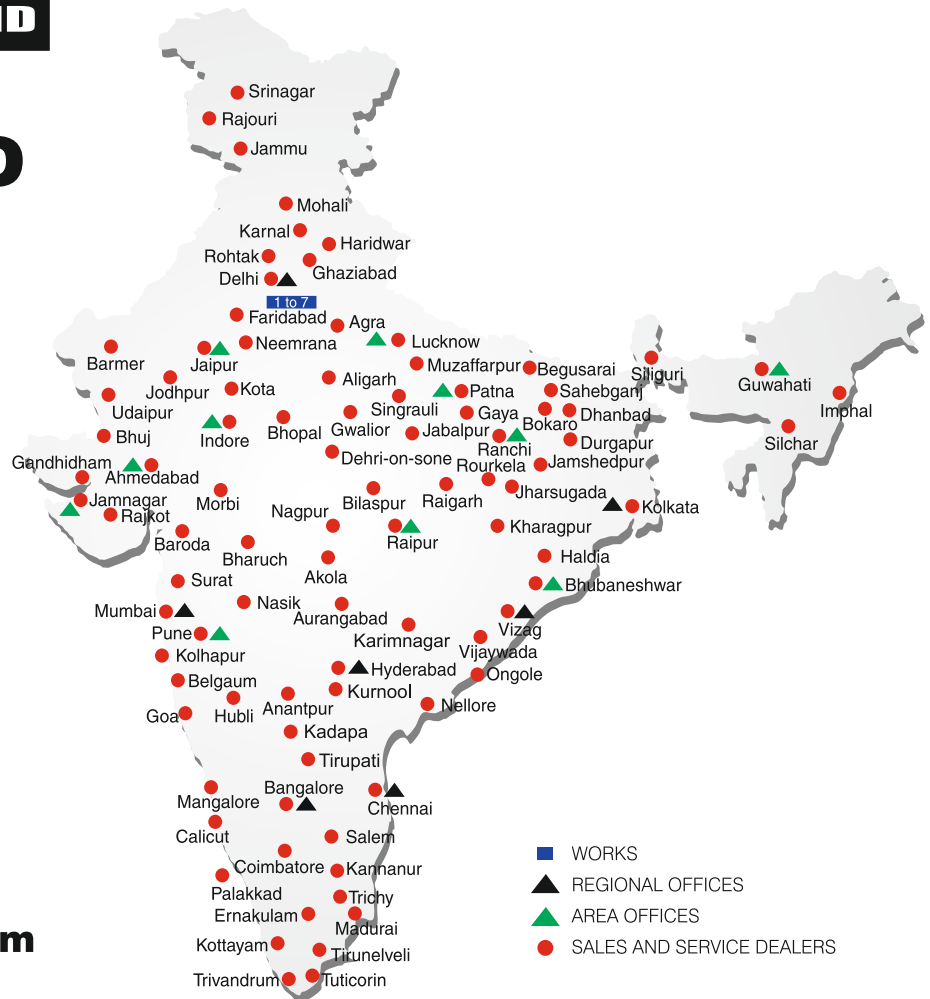
NOTE: • Rated loads are on the basis of operation on firm and level surface.
• Full rated lifting capacity available in articulated / steered condition.

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.