

ACE FP210

NextGen Multi Activity Crane

Capacity : 20 tonnes

Rough terrain and rugged, 4x4
NextGen pick 'n' move crane
for Piling Application

ACE INDIA'S NO. 1
CRANE BRAND



**PATENT
Pending**

4x4

Specifications

FP-210

LIFTING CAPACITY	20 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 12 forward and 2 reverse speeds and hi-low drive selector for creep speed
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.
Top Speed	35 KMPH on even metaled Road (without load)
Gradeability	40 % (unladen)
STEERING	Full power orbital with twin hydraulic double acting cylinders and 40° articulation on either side
Turning Radius	7.6 Mtrs. on outer rear wheels.
BRAKES	● Dual Circuit Brakes ● Fully Pneumatic brakes on front and rear wheels. ● Parking brake is pneumatically operated, fail safe type
HYDRAULIC SYSTEM	● Gear/Intra Vane type main pump ● Six 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 one double acting extension cylinder.
TELESCOPIC BOOM	4 part boom, 2 part hydraulically operated & synchronized and 4th part power extended.
BOOM LUFFING Range	-5° to + 70°

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.
Auxiliary Winch	High speed auxiliary single line winch with 16mm dia rope and ball hook
ELECTRICAL SYSTEM	24v, Negative earth.
TYRES	
Front	12.00x20-18 PR (4 NOS.)
Rear	12.00x20-18 PR (4 NOS.)
Wheel Base	4300 mm
Wheel Track	1840 mm
SAFETY	● Hose failure protection ● Audio over hoisting Indication ● Safety brakes on hoist ● Self-adjusting hook block ● Front and rear wheel guards
STANDARD EQUIPMENT	● Runner for ball hook ● Front Outriggers ● ROPS fully enclosed wide view cabin ● Rear View Camera ● Front work lights ● Reflectors & rear view mirrors ● Tool Kit ● Cabin fan ● Wiper Motor ● Beacon rotating light ● Gauges : a) Water Temperature. b) Engine Oil Pressure. c) Fuel Gauge d) RPM meter cum hour recorder e) Air Pressure Gauge f) Speedometer ● Safe load indicator ● Over Hoist hydraulic cutoff
OPTIONAL EQUIPMENT	● Flyjib (Max Capacity : 1.25 Tonnes) ● Spark arrestor ● Fire Extinguisher ● Front and side Proximity Sensors ● Cabin front glass protector ● Helper/Slinger Seat
OPERATING WEIGHT	
Front axle	9895 Kgs.
Rear Axle	10200 Kgs.
Total Weight	20095 Kgs.

ACE

Piling Application



Cage Handling



Concreting



Casing Removal

4x44



100% Swadeshi



- 1 Auxiliary Winch**
Heavy duty high speed Auxiliary winch for concreting application



- 2 Ball Hook**
Runner is provided with heavy duty ball hook for efficient single line high speed operation

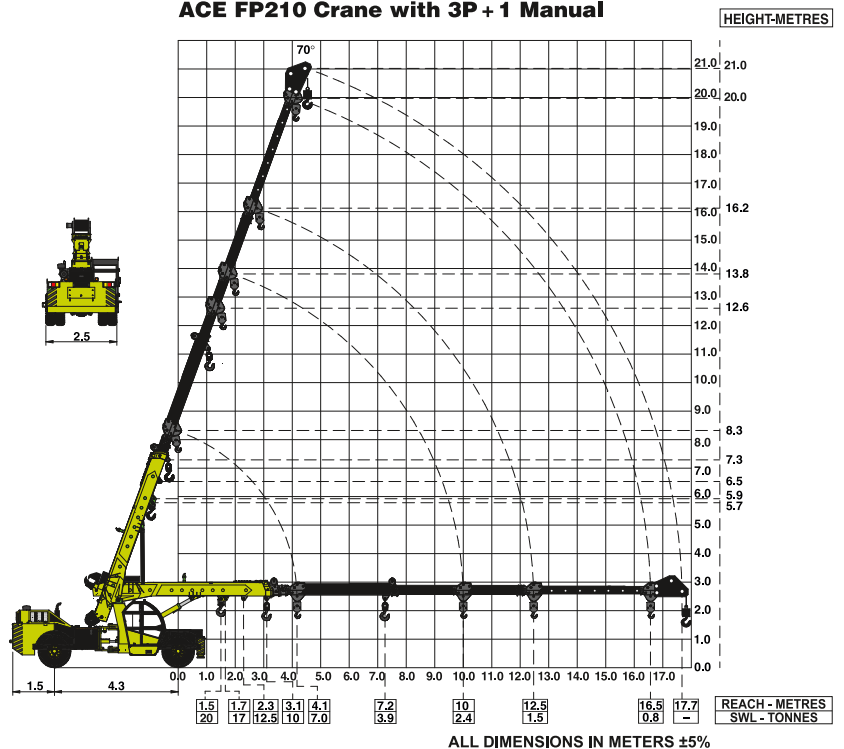


- 3 OUTRIGGERS**
Front Outriggers for added safety during high lift operations.



- 4 GROUND CLEARANCE**
High ground clearance of 300mm for easier rough terrain operation.

ACE FP210 Crane with 3P + 1 Manual



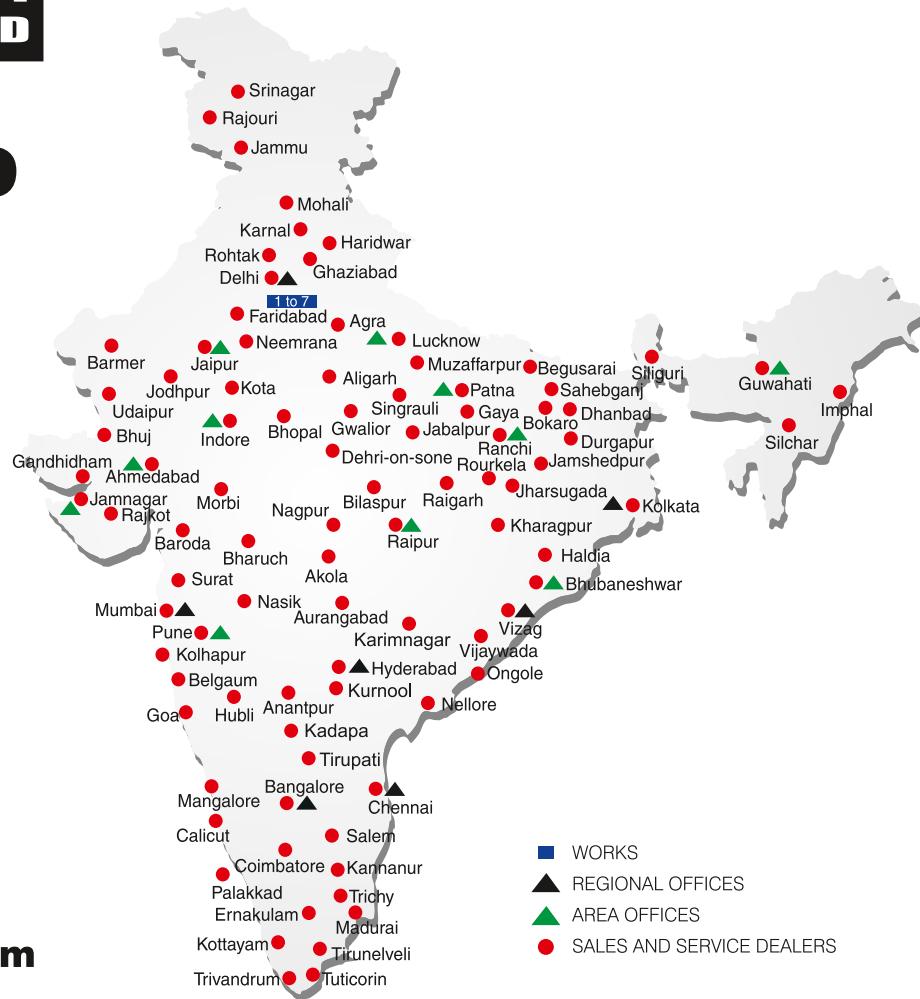
NOTE: • Rated loads are on the basis of operation on firm and level surface.
• Full rated lifting capacity available in articulated / steered condition.

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.