

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

100%
Swadeshi



4x4

**PATENT
Pending**

Specifications

FP-210

LIFTING CAPACITY	20 Tonnes
ENGINE	Tata Motors (CEV BS V), Diesel Engine Model 497, 4 cylinder, Water Cooled, Turbo Charged Engine with Electronic Control Unit (ECU)
Rated Power	101 HP (74 kW) at 2200 RPM
TRANSMISSION	Heavy duty, synchromesh with 10 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	36 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	<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 ● 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	4 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	12v, Negative earth. (110 AH Battery)
TYRES	
Front	12.00x20-18 PR (4 NOS.)
Rear	12.00x20-18 PR (4 NOS.)
Wheel Base	4300 mm
Wheel Track	1840 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"> ● 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 : <ol style="list-style-type: none"> 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	<ul style="list-style-type: none"> ● Flyjib (Max Capacity : 1.25 Tonnes) ● Fire Extinguisher ● Front and side Proximity Sensors ● Cabin front glass protector ● Helper/Slinger Seat
OPERATING WEIGHT	20055 Kgs.

Piling Application



Cage Handling



Concreting



Casing Removal

4x44



AUXILIARY WINCH

Heavy duty high speed Auxiliary winch for concreting application



BALL HOOK

Runner is provided with heavy duty ball hook for efficient single line high speed operation



OUTRIGGERS

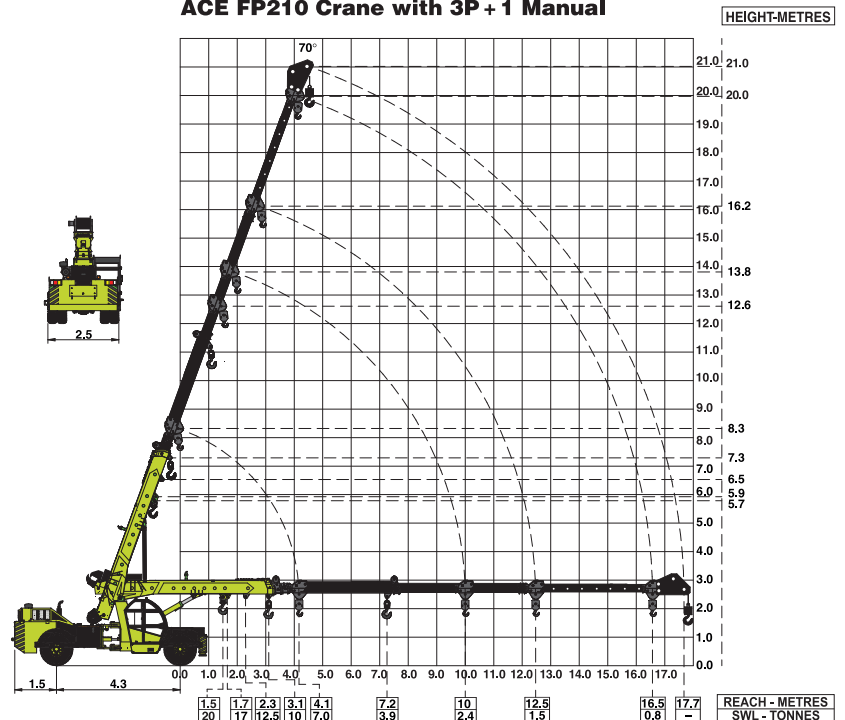
Front Outriggers for added safety during high lift operations.



GROUND CLEARANCE

High ground clearance of 300mm for easier rough terrain operation.

ACE FP210 Crane with 3P + 1 Manual



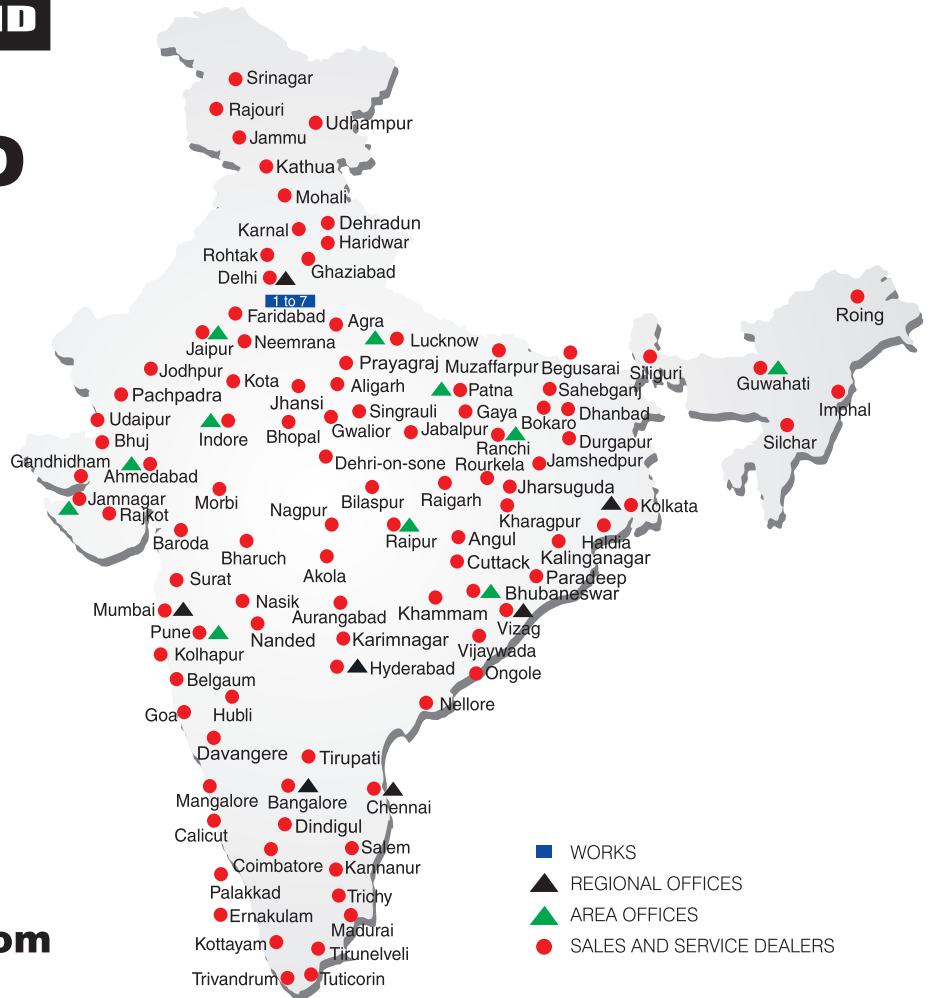
NOTE: • Rated loads are on the basis of operation on firm and level surface.
• Full rated lifting capacity available in articulated / steered condition.

BUILT TO PERFORM



**RELIABLE AND
DEPENDABLE
EFFICIENCY**

NETWORK



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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.