

4x4

ACE F210

NextGen Hydraulic Crane Capacity : 20 tonnes

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



- 4 x 4 Drive
- Front mounted ergonomically designed Cabin
- Improved kinematics with low Center of Gravity
- Slotted boom
- Self Adjusting hook block
- Fail safe air brakes

Specifications

F-210

LIFTING CAPACITY	20 Tonnes
ENGINE	Ashok leyland., 4 Cylinder, Water Cooled Diesel Engine
Rated Power	101 hp at 2200 RPM
TRANSMISSION	Heavy duty, synchromesh with 8 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	2 / 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	<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 full flow 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
BOOM LUFFING Range	-10° to + 65°

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	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	<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"> ● Front Outriggers ● ROPS fully enclosed wide view cabin ● Rear View Camera ● Front and rear 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
OPTIONAL EQUIPMENT	<ul style="list-style-type: none"> ● Flyjib (Max Capacity : 1.25 Tonnes) ● Spark arrestor ● Safe load indicator/ LMI ● Over Hoist hydraulic cutoff ● Fire Extinguisher ● Drag Winch ● Front and side Proximity Sensors ● Cabin front glass protector ● Helper/Slinger Seat ● 3 part slotted boom -12.1 mtrs. height
OPERATING WEIGHT	
Front axle	9655 Kgs.
Rear Axle	10200 Kgs.
Total Weight	19855 Kgs.



1 ROPS CABIN

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

4x4



2 GROUND CLEARANCE

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



3 OUTRIGGERS

Front Outriggers for added safety during high lift operations.



4 OPTIMIZED KINEMATICS AND LOW C.G.

F-210 crane has been designed keeping in mind operational safety parameters with low Center of Gravity (C.G.) providing best in class stability



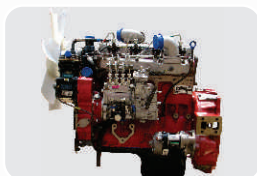
5 EASY MAINTENANCE

The engine is easily accessible for daily maintenance checks including battery, air filter, oil dipstick and cooling system



6 INCREASED VISIBILITY

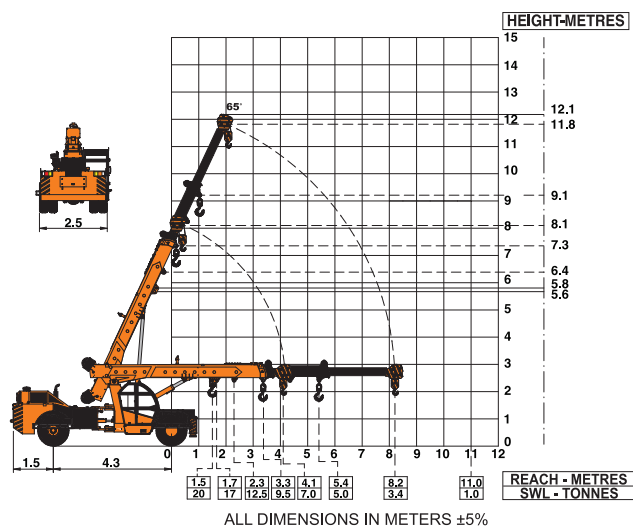
Bigger size front windscreen provides better visibility.



7 ENGINE

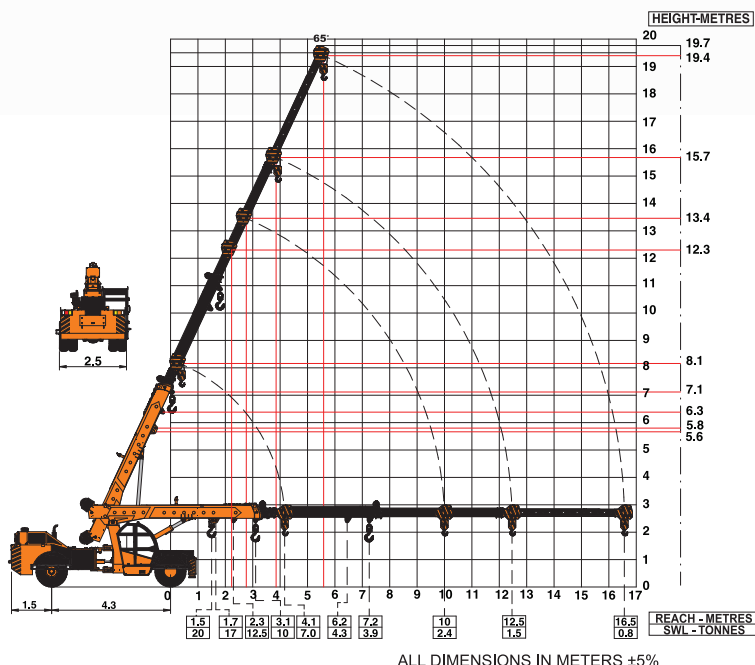
Best in class Ashok Leyland engine having nation wide service support and spare parts availability.

ACE F210 Model Crane fitted with 3 part slotted boom (12.1 mtrs. height)



ACE F210 Model Crane fitted with 3 part slotted boom + 1 Manual (19.7 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.

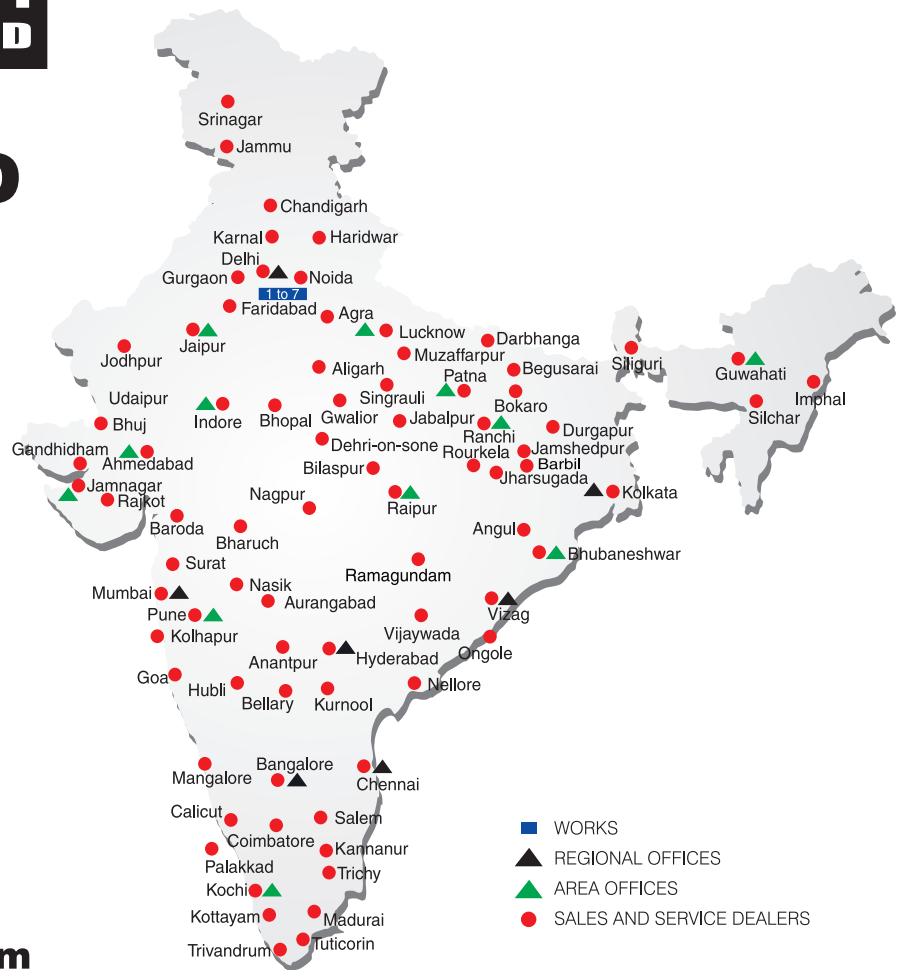
BUILT TO PERFORM



**RELIABLE AND
DEPENDABLE
EFFICIENCY**



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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.