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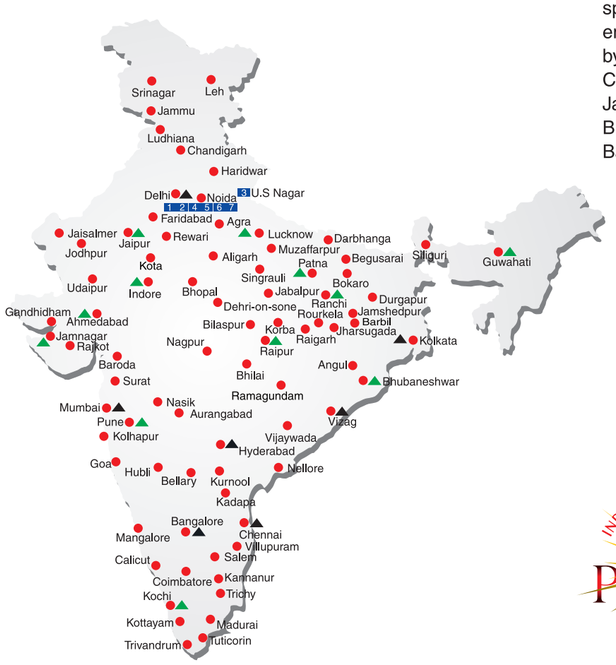
ALL INDIA NETWORK



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INDIA'S 70 MOST TRUSTED 2017 POWER BRANDS Celebrating 70 years of Indian Independence

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Contact:

CVI CERTIFIED MANAGEMENT SYSTEM ISO 9001

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

FX210/11/17

ACE

FX210

Nextgen Hydraulic Truck Crane
Capacity : 20 tonnes

Rough terrain and rugged
articulated new generation pick n move crane.

ACE INDIA'S NO.1 MOBILE & TOWER CRANE CO.

INDIA'S 70 MOST TRUSTED 2017 POWER BRANDS Celebrating 70 years of Indian Independence

- Heavy duty truck drive line
- Front Outriggers
- Front mounted ergonomically designed Cabin
- Improved kinematics with low Center of Gravity
- Slotted boom
- Self Adjusting hook block
- Fail safe air brakes

BEST IN CLASS STABILITY — Full rated lifting capacity available in articulated/steered condition

Nothing beats an ACE

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Specifications — FX210

LIFTING CAPACITY (Free on wheels)	20 Tonnes
ENGINE	Ashok Leyland 4 cylinder, water cooled diesel engine or equivalent TATA engine
Rated Power	101 bhp at 2200 RPM
STEERING	Full power orbitrol with twin hydraulic double acting cylinders and 40° articulation on either side.
Turning Radius	8.2 Meters (approx)
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 and rear drive axle is mounted with 2 nos. leaf springs
Clutch	Heavy duty hydraulic clutch
Top Speed	35 KMPH on even metaled road (without load)
Gradeability	40% (unladen)
HYDRAULIC SYSTEM	• 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
BRAKES	• Dual Circuit Brakes • Fully air actuated brakes on front and rear wheels. • Parking brake is pneumatically operated, fail safe type
ELECTRICAL SYSTEM	24 V Negative earth
TELESCOPIC BOOM	Three part slotted boom with hydraulically operated synchronized extensions (11.6 mtrs. height)
TYRES	
Front	12.00 x 20 - 18 PR (4 Nos.)
Rear	14.00 x 25 - 20 PR (2 Nos.)

Wheel base	5100 mm
Wheel track	Front 1880 mm
	Rear 1850 mm
HOIST	Winch is driven by hydraulic motor and fitted with rope tensioner. Hoisting is provided through self adjusting hook block employing 6 falls of 13 mm dia rope
Hoist Speed	50 Mtrs./Min. (Line speed)
BOOM LUFFING	
Range	-3° to + 62°
SAFETY	• Hose failure protection • Audio over hoisting indication • Safety brakes on hoist • Self adjusting hook block • Front & Rear Tyre guards
STANDARD EQUIPMENT	• Front Outriggers • Front mounted fully enclosed wide view cabin • Rear View Camera • Front and rear work lights • Reflectors & Rear View Mirrors • Tool kit • Cabin Fan • Wiper Motor • Gauges : a) Water temperature b) Engine oil pressure c) Fuel Gauge d) RPM meter cum hour recorder e) Air Pressure Gauge f) Speedometer g) Beacon Rotating Light
OPTIONAL EQUIPMENT	• Fly jib (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 • 4 part slotted boom, 3 parts hydraulically operated & synchronized and 4th part power extended (18.3 mtrs. height)
OPERATING WEIGHT	
Front Axle	7200 Kgs.
Rear Axle	10100 Kgs.
Total Weight	17300 Kgs.

OPTIMIZED KINEMATICS AND LOW C.G.
FX 210 crane has been designed with low center of gravity (C.G.) providing best in class stability and operational safety.

Advantages ACE

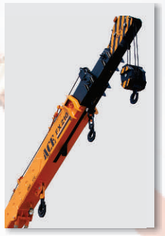
1 GROUND CLEARANCE
Ground clearance of 300 mm for easier rough terrain operation.

2 STEERING WHEEL & CONTROLS
Steering wheel is provided as a standard fitment , which along with ergonomically placed operator console and instrument cluster ensures ease of operation.

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

4 EASY MAINTENANCE
The engine is easily accessible for daily maintenance checks including battery, air filter, oil level and cooling system.

5 OUT TRIGGERS
Front outriggers are provided as a standard feature for added safety during high lift operations.



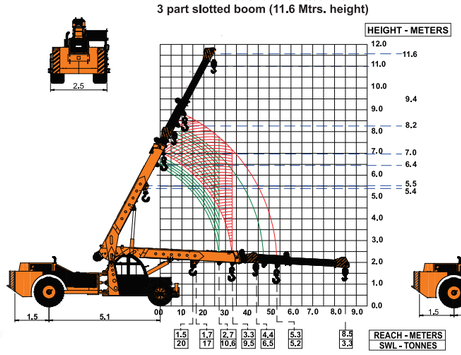
6 SLOTTED BOOM
Facilitates easier load positioning and fitted with self adjusting hook block.

7 INCREASED VISIBILITY
Bigger size front windscreen provided for better visibility and safe operation.

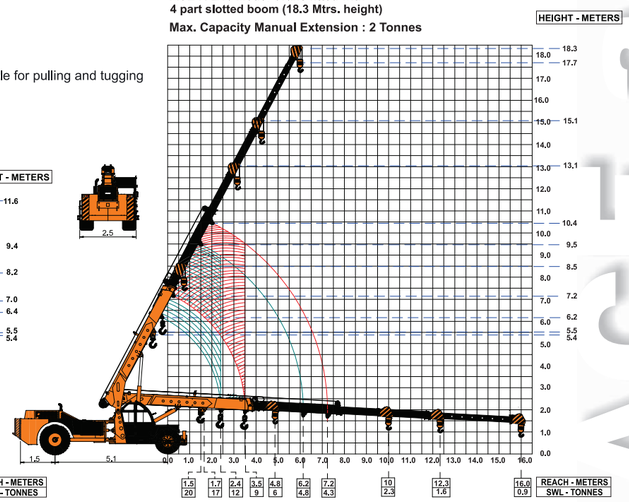
8 ENGINE
Best in class Ashok Leyland/TATA 4 Cylinder engine having nationwide service support and spare parts availability.

9 DRAG WINCH
Optionally available for pulling and tugging application(s)

ACE FX210 Model Crane fitted with 3 part slotted boom (11.6 Mtrs. height)



ACE FX210 Model Crane fitted with 4 part slotted boom (18.3 Mtrs. height)
Max. Capacity Manual Extension : 2 Tonnes



NOTE: • All the above specifications are pertaining to FX210 model fitted with 11.6 Mtrs. boom. •Rated loads are on the basis of operation on firm and level surface.
• Full rated lifting capacity available in articulated steered condition