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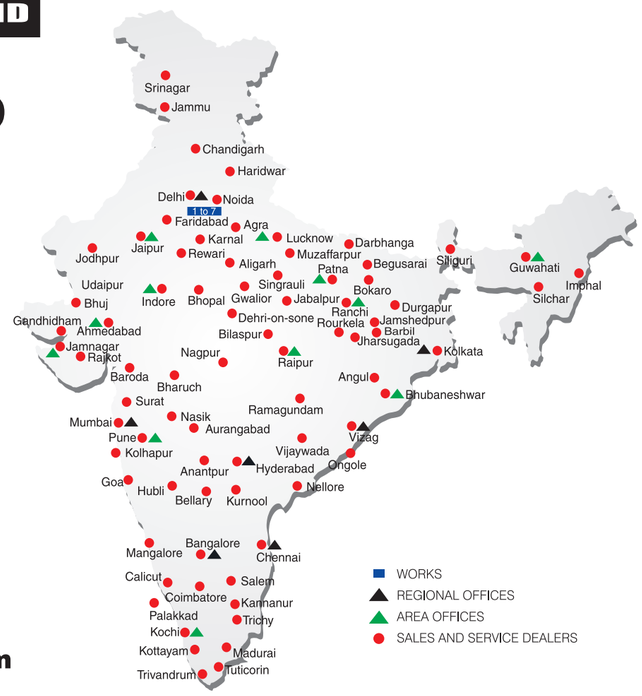
# BUILT TO PERFORM

ACE INDIA'S NO. 1 CRANE BRAND

## RELIABLE AND DEPENDABLE EFFICIENCY

## NETWORK

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ACE
**Action Construction Equipment Ltd.**

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.

FX230/09/18

ACE

# FX230

**NextGen Hydraulic Crane**
**Capacity : 23 tonnes**
Rough terrain and rugged
articulated new generation pick n move crane.

ACE INDIA'S NO. 1 CRANE BRAND

INDIA'S 70 MOST TRUSTED 2018 POWER BRANDS

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

*Nothing beats an* ACE

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# Specifications — FX230

| | |
|---|---|
| **LIFTING CAPACITY** (Free on wheels) | 23 Tonnes |
| **ENGINE** | Ashok Leyland, 4 cylinder, water cooled diesel engine or equivalent TATA engine |
| Rated Power | 101 PS at 2200 RPM |
| **STEERING** | Full power orbitrol with twin hydraulic double acting cylinders and 40° articaulation 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<br>• Five spools control valve with built in Relief valve<br>• Suction line has 100 mesh size Stainer while return line is fitted with 25 micron full flow filter.<br>• Two double acting lift cylinders, two double acting steering cylinder and one double acting extension cylinder |
| **BRAKES** | • Dual Circuit Brakes<br>• Fully air actuated brakes on front and rear wheels<br>• 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 24 - 20 PR (4 Nos.) |
| Rear | 14.00 x 25 - 20 PR (2 Nos.) |
| Wheel base | 5100 mm |
| Wheel track | Front 1900 mm<br>Rear 1770 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<br>• Audio over hoisting indication<br>• Safety brakes on hoist<br>• Self adjusting hook block<br>• Front and rear wheel guards |
| **STANDARD EQUIPMENT** | • Front Outriggers<br>• Front mounted fully enclosed wide view cabin<br>• Rear View Camera<br>• Front and rear work lights<br>• Reflectors & Rear View Mirrors<br>• Tool Kit<br>• Cabin Fan<br>• Wiper Motor<br>• Gauges:<br>a) Water temperature<br>b) Engine oil pressure<br>c) Fuel Gauge<br>d) RPM meter cum hour recorder<br>e) Air Pressure Gauge<br>f ) Speedometer<br>• Beacon rotating light |
| **OPTIONAL EQUIPMENT** | • Fly Jib (1.25 Tonnes Max Capacity)<br>• Spark arrester<br>• Safe load indicator/LMI<br>• Over Hoist hydraulic cutoff<br>• Fire Extinguisher<br>• Drag winch<br>• Front and side Proximity Sensors<br>• Cabin Front Glass Protector<br>• 4 part slotted boom, 2 parts hydraulically operated & synchronized and 4th part power extended (18.3 mtrs. height)<br>• Helper/Slinger Seat |

**OPTIMIZED KINEMATICS AND LOW C.G.**
FX 230 crane has been evolved/designed keeping in mind operational safety parameters with low Center of Gravity (C.G.) providing best in class stability.

| **OPERATING WEIGHT** | |
|---|---|
| Front Axle | 9725 Kgs. |
| Rear Axle | 10200 Kgs. |
| Total Weight | 19925 Kgs. |

ACE

# Advantages

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

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

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

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

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

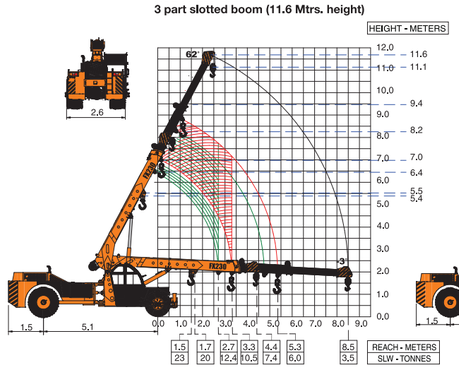
**6 HYDRAULIC & FUEL TANK**
Easy approach and adequate capacities

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

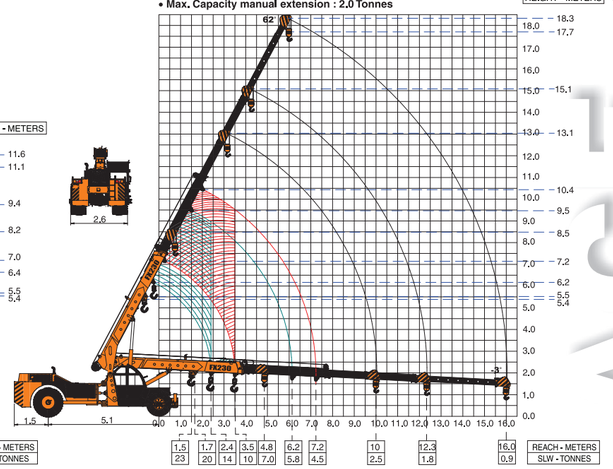
**8 ENGINE**
Best in class Ashok Leyland/TATA 4 Cylinder engine having nationwide service support and spare parts availability.

**9 OUT TRIGGERS**
Front outriggers are provided as standard fitment for added safety during high lift operations.

**ACE FX230 Crane fitted with 3 part slotted boom (11.6 Mtrs. height)**




**ACE FX230 Crane fitted with 4 part slotted boom (18.3 Mtrs. height)**
• Max. Capacity Fly jib : 1.25 Tonnes
• Max. Capacity manual extension : 2.0 Tonnes




NOTE: • All the above specifications are pertaining to FX230 model fitted with 11.6 Mtrs. boom. • Rated loads are on the basis of operation on firm and level surface.