

# **XE140i HD**

HYDRAULIC EXCAVATOR

|                         |                    |
|-------------------------|--------------------|
| <b>ENGINE POWER</b>     | - 102 hp           |
| <b>ENGINE MAKE</b>      | - Cummins (India)  |
| <b>OPERATING WEIGHT</b> | - 13400 kg         |
| <b>BUCKET CAPACITY</b>  | - 0.60 - 0.72 cu.m |



# XE140i HD

## HYDRAULIC EXCAVATOR



### EFFICIENT & ECONOMICAL

- ◆ Powerful Cummins Engine ensure optimum power
- ◆ Low fuel Consumption & High Reliability

### ROBUST STRUCTURE

- ◆ Reinforced Boom, Arm & Bucket suitable for Indian conditions
- ◆ Bucket link Single piece Casted for long life
- ◆ Large capacity wear resistance HD buckets

### INTELLIGENT HYDRAULICS

- ◆ Intelligent control system saves additional Fuel & ensures Higher Productivity
- ◆ Globally acclaimed Hydraulic - Higher Life

### EASY SERVICEABILITY

- ◆ All Maintenance points are accessible from Ground level
- ◆ Components layout ensure fast routine inspections

### STRONG UNDERCARRIAGE

- ◆ Robust X frame undercarriage with additional reinforcement
- ◆ High wear Resistance Sprocket, Idler, Rollers, track chain reduce cost

### COMFORTABLE OPERATOR CABIN

- ◆ All Around 360 degree visibility
- ◆ Spacious HVAC, less noise cabin with FM Radio
- ◆ Integrated 7" instrument Cluster

# SPECIFICATION

# XE140i HD

## ENGINE

|              |                     |
|--------------|---------------------|
| Model        | Cummins B3.9        |
| Type         | 4 Cyl. Turbocharged |
| Rated Power  | 102 HP @ 2200rpm    |
| Max Torque   | 385Nm @ 1300rpm     |
| Batteries    | 12V x 2             |
| Displacement | 3.9 L               |

## HYDRAULIC SYSTEM

|             |  |
|-------------|--|
| Main Pumps  | 2 Variable Displacement Axial Piston Pumps |
| Max Flow    | 2 x 126 lpm                                |
| Pilot Pump  | 1 Gear Pump                                |
| Swing Speed | 12.3 rpm                                   |

## RELIEF VALVE SETTINGS

|                            |               |
|----------------------------|---------------|
| Main Safety Valve Pressure | 31.4/34.3 MPa |
| Swing System Pressure      | 25 MPa        |
| Travel System Pressure     | 34.4 MPa      |
| Pilot System Pressure      | 3.9 MPa       |

## UNDERCARRIAGE

|                         |            |
|-------------------------|------------|
| Max Travel Speed        | 5.16 km/hr |
| Max traction Force      | 134 kN     |
| Gradeability            | 35 degree  |
| No of Upper Roller/Side | 1          |
| No of Lower Roller/Side | 7          |
| No of track Shoes/Side  | 45         |

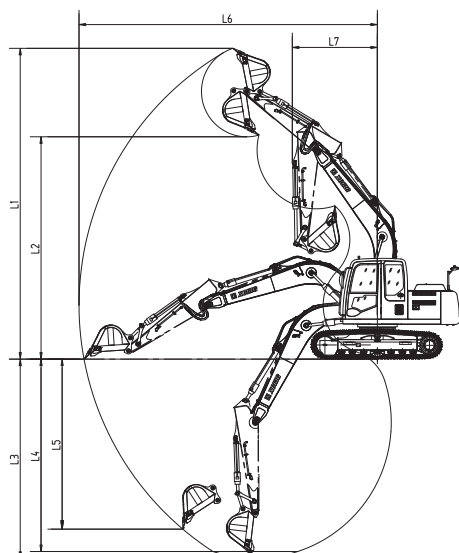
## OPERATOR CABIN

|                  |     |
|------------------|-----|
| HVAC             | STD |
| Front Mesh Guard | OPT |

## REFILL CAPACITIES

|                         |      |
|-------------------------|------|
| Fuel Tank               | 250L |
| Engine Coolant          | 16L  |
| Engine Oil              | 14L  |
| Travel device(Per side) | 2.1L |
| Swing Device            | 2.4L |
| Hydraulic Tank          | 130L |
| Hydraulic System        | 180L |

## WORKING RANGE



## BUCKET SELECTION GUIDE

| Capacity<br>ISO heaped | Width<br>(mm) | Teeth | Weight<br>(kg) | Recommendation<br>XE140i<br>Arm length (mm) |
|------------------------|---------------|-------|----------------|---|
| 0.72m³ (GP)            | 1182          | 5     | 539            | 2100  |
| 0.6m³ (HD)             | 1112          | 5     | 530            | 2100  |

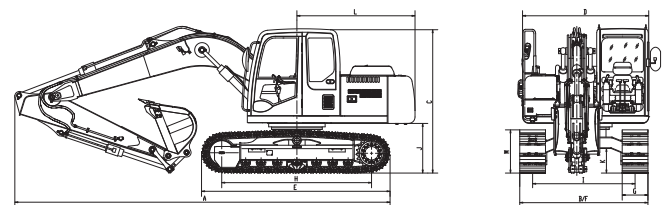
## WORKING RANGE

| Working Range (unit: mm) |                                       | BOOM 4600<br>ARM 2100 |
|--------------------------|---------------------------------------|-----------------------|
| L1                       | Max. Digging Height                   | 8440                  |
| L2                       | Max. Dumping Height                   | 6011                  |
| L3                       | Max. Digging Depth                    | 5126                  |
| L4                       | Maximum depth cut (8 ft) level bottom | 4897                  |
| L5                       | Max. Vertical Dig Depth               | 4609                  |
| L6                       | Max. digging radius                   | 7933                  |
| L7                       | Min. swing radius                     | 2335                  |

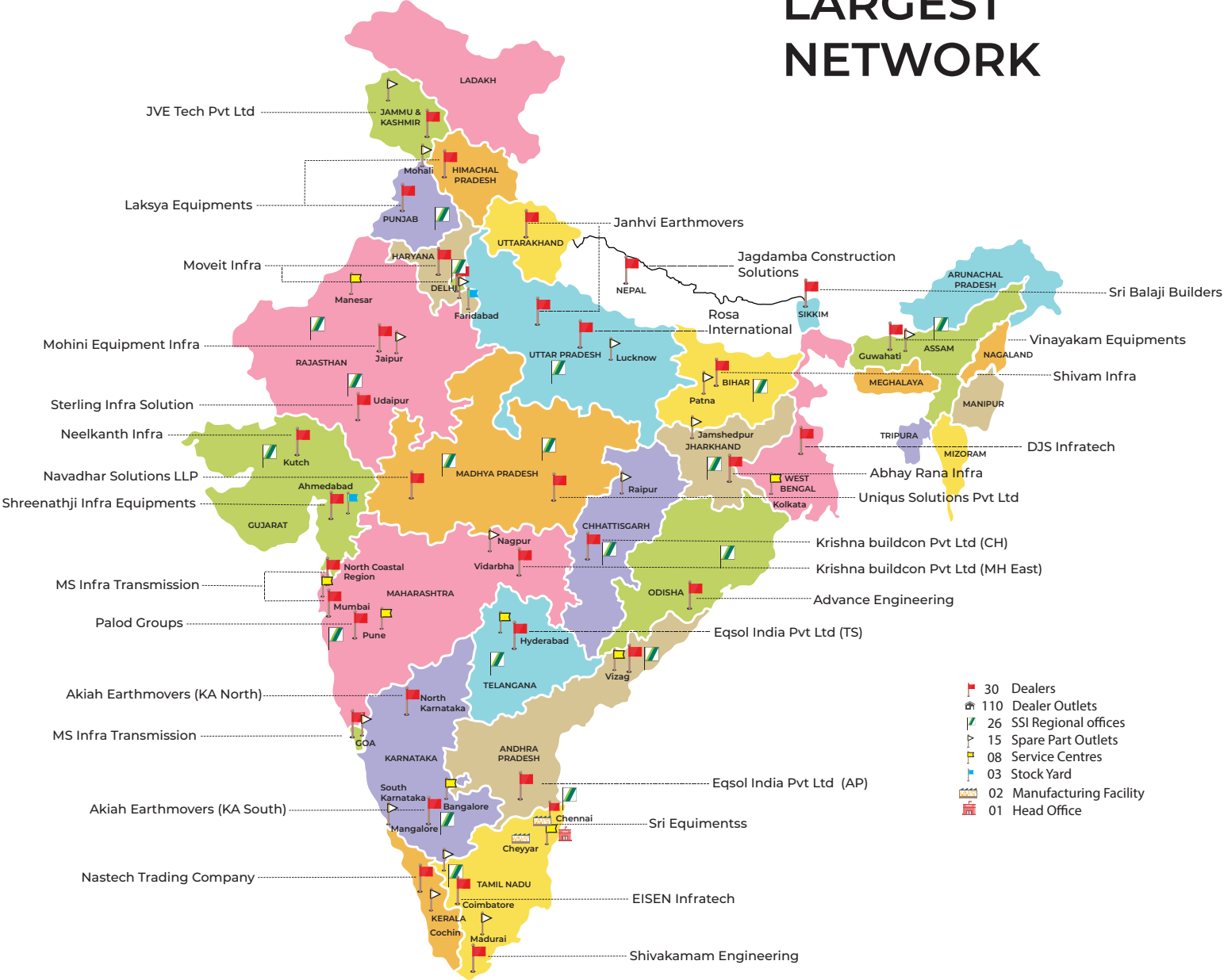
## DIMENSION

| (Unit:mm) |                                   | BOOM 4.6m<br>ARM 2.1m |
|-----------|-----------------------------------|-----------------------|
| A         | Overall Length                    | 7770                  |
| B         | Overall Width                     | 2512                  |
| C         | Overall Height                    | 2880                  |
| D         | Width of Platform                 | 2512                  |
| E         | Length of Crawler/Track           | 3660                  |
| F         | Overall Width of Crawler          | 2512                  |
| G         | Track Shoe Width                  | 500                   |
| H         | Tumbler Distance                  | 2910                  |
| I         | Track Gauge                       | 1990                  |
| J         | Ground Clearance of Counterweight | 964                   |
| K         | Min. Ground Clearance             | 478                   |
| L         | Min. Tail Swing Radius            | 2294                  |
| M         | Height of Track                   | 838                   |





## DIMENSION



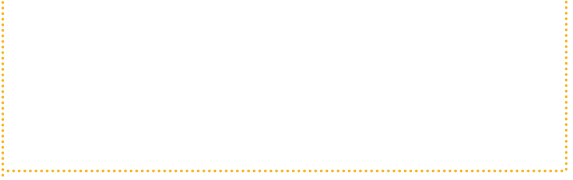
# LARGEST NETWORK



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