



Power : 100HP(74.5KW)

# FX100

## BACKHOE LOADERS

Designed to stay stable, work smarter, and perform reliably on uneven ground and tough construction environments.

 **Perkins**<sup>®</sup>

ENGINE

**1.1 CU.M. (LOADER)/  
0.24 CU.M. (EXCAVATOR)**

CAPACITY

**8040KG**

OPERATING  
WEIGHT



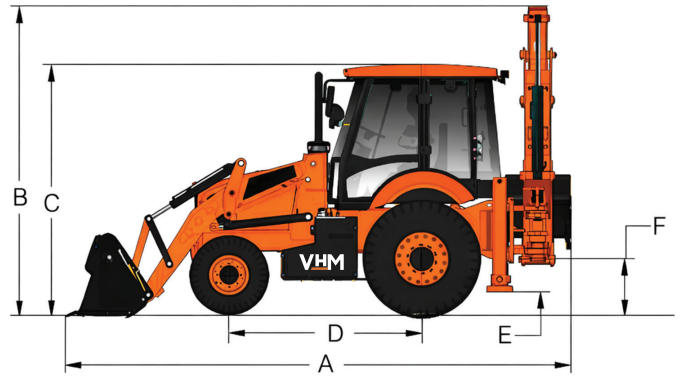
WIDER  
PLATFORM

| STANDARD FEATURES                 |  |                  |                        |                |                    |              |           |                                   |         |                        |        |
|-----------------------------------|--|------------------|------------------------|----------------|--------------------|--------------|-----------|-----------------------------------|---------|------------------------|--------|
| <b>Perkins</b>                    | Model 1104D-44TA (EU Stage IIIA / U.S. EPA Tier 3 equivalent)<br>4 Cylinders, Turbocharged, water cooled Diesel Engine, delivering power<br>Max Torque : 418 Nm @ 1400 rpm   Power: 100HP (74.5KW)   |                  |                        |                |                    |              |           |                                   |         |                        |        |
| <b>Kirloskar</b>                  | 4R1040TA (BS III) 4 cylinder, turbo charged, water cooled diesel engine<br>delivering 96 HP @ 2200 rpm<br>Max Torque : 377 Nm @ 1400 rpm   |                  |                        |                |                    |              |           |                                   |         |                        |        |
| <b>Transmission</b>               | Synchro shuttle transmission with torque converter & synchronised gear box.<br>Single switch forward-reverse function for better loading application with<br>4 forward & 4 reverse speeds. Max speed 40 kmph   |                  |                        |                |                    |              |           |                                   |         |                        |        |
| <b>Axle</b>                       | Front : Drive (in case of 4WD) & Steer Axle, centrally pivoted tyres<br>Rear : Rigid axle with CARRARO planetary drive   |                  |                        |                |                    |              |           |                                   |         |                        |        |
| <b>Steering</b>                   | Hydrostatic steering for reliability and better control  |                  |                        |                |                    |              |           |                                   |         |                        |        |
| <b>Brakes</b>                     | Hydraulically actuated wet disc brakes at rear wheels with twin pedals in<br>cabin for better control Mechanically actuated disc brakes for parking.   |                  |                        |                |                    |              |           |                                   |         |                        |        |
| <b>Cabin</b>                      | ROPS fully enclosed wide view cabin with easy entry and exit from the cabin.   |                  |                        |                |                    |              |           |                                   |         |                        |        |
| <b>Hydraulic System</b>           | Main Pump flow : 118 lpm<br>Operating Relief Pressure : 210 bar  |                  |                        |                |                    |              |           |                                   |         |                        |        |
| <b>Electrical System</b>          | 12V Battery with negative earth and suitable alternator.   |                  |                        |                |                    |              |           |                                   |         |                        |        |
| <b>Turning Radius</b>             | Without Brake : 4.4 metres<br>With Brake : 3.5 metres  |                  |                        |                |                    |              |           |                                   |         |                        |        |
| <b>Refill Capacity</b>            | <table border="1"> <tbody> <tr> <td>• Hydraulic Tank</td> <td>90 LTRS</td> </tr> <tr> <td>• Fuel Tank</td> <td>150 LTRS</td> </tr> <tr> <td>• Engine Oil</td> <td>11.5 LTRS</td> </tr> <tr> <td>• Transmission &amp; Torque Converter</td> <td>17 LTRS</td> </tr> <tr> <td>• Differential Housing</td> <td>3 LTRS</td> </tr> </tbody> </table> | • Hydraulic Tank | 90 LTRS                | • Fuel Tank    | 150 LTRS           | • Engine Oil | 11.5 LTRS | • Transmission & Torque Converter | 17 LTRS | • Differential Housing | 3 LTRS |
| • Hydraulic Tank                  | 90 LTRS  |                  |                        |                |                    |              |           |                                   |         |                        |        |
| • Fuel Tank                       | 150 LTRS   |                  |                        |                |                    |              |           |                                   |         |                        |        |
| • Engine Oil                      | 11.5 LTRS  |                  |                        |                |                    |              |           |                                   |         |                        |        |
| • Transmission & Torque Converter | 17 LTRS  |                  |                        |                |                    |              |           |                                   |         |                        |        |
| • Differential Housing            | 3 LTRS   |                  |                        |                |                    |              |           |                                   |         |                        |        |
| <b>Tyres</b>                      | <table border="1"> <tbody> <tr> <td>Front 4wd</td> <td>12.5 / 80 - 18 - 12 PR</td> </tr> <tr> <td>Rear -Standard</td> <td>16.90 - 28 - 12 PR</td> </tr> </tbody> </table>  | Front 4wd        | 12.5 / 80 - 18 - 12 PR | Rear -Standard | 16.90 - 28 - 12 PR |              |           |                                   |         |                        |        |
| Front 4wd                         | 12.5 / 80 - 18 - 12 PR   |                  |                        |                |                    |              |           |                                   |         |                        |        |
| Rear -Standard                    | 16.90 - 28 - 12 PR   |                  |                        |                |                    |              |           |                                   |         |                        |        |
| <b>Optional Equipment</b>         | <ul style="list-style-type: none"> <li>• 6-in-1 loader bucket</li> <li>• Rock Breaker</li> <li>• Excavator bucket : 0.09 / 0.12 / 0.30 cu.m</li> <li>• Heavy Duty Tyres (14.00 x 25)</li> <li>• A.C. Cabin</li> <li>• Telematics</li> </ul>  |                  |                        |                |                    |              |           |                                   |         |                        |        |
| <b>Operating Weight</b>           | 8040 KG  |                  |                        |                |                    |              |           |                                   |         |                        |        |

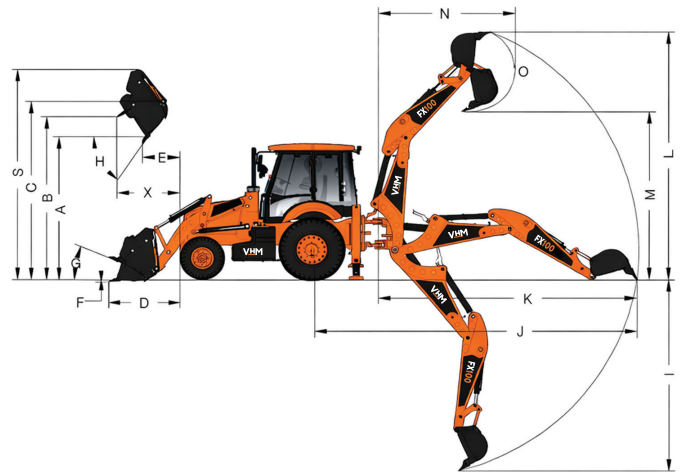


# FX100 DIMENSIONS

| STATIC DIMENSIONS        |        |
|--------------------------|--------|
| A. Overall Length        | 6.2 M  |
| B. Overall Height        | 3.6 M  |
| C. Height to Top of Cab  | 2.9 M  |
| D. Wheel Base            | 2.18 M |
| E. Min Ground Clearance  | 0.35 M |
| F. Slew Ground Clearance | 0.66 M |
| Width (over bucket)      | 2.50 M |
| Track Width Front        | 1.84 M |
| Track Width Rear         | 1.55 M |



| LOADER PERFORMANCE                          |          |
|---|----------|
| A. Dump Height at 40°                       | 2.76 M   |
| B. Load Over Height                         | 3.34 M   |
| C. Bucket Pin Height                        | 3.63 M   |
| D. Reach at Ground                          | 1.77 M   |
| E. Reach at Full Height (Bucket Dumped 40°) | 0.89 M   |
| F. Below Ground Level Dig Depth             | 0.08 M   |
| X. Max. Reach at full Height                | 1.22 M   |
| G. Rollback at Ground                       | 44°      |
| H. Dump Angle                               | 45°      |
| Loader Breakout Force (Arm)                 | 4950 KGF |
| Payload                                     | 1900 KG  |
| Loader Bucket Capacity (Std)                | 1.1 CU.M |



| EXCAVATOR PERFORMANCE                           |           |
|---|-----------|
| I. Max Dig Depth                                | 4.25 M    |
| J. Reach Ground Level to Rear Wheel Center      | 6.73 M    |
| K. Reach Ground Level to Slew Center            | 5.50 M    |
| L. Max Working Height                           | 5.47 M    |
| M. Max Load Over Height                         | 3.79 M    |
| N. Reach at Full Height to Slew Center          | 2.78 M    |
| O. Bucket Rotation Power                        | 175°      |
| P. Side Reach to Center Line of Machine         | 5.59 M    |
| Q. King Post Travel                             | 0.9 M     |
| R. Reach Ground Level to Stabiliser Start Point | 4.45 M    |
| S. Full Operating Height                        | 4.13 M    |
| Dipper Tearout Force                            | 4000 KGF  |
| Excavator Bucket Capacity (Std)                 | 0.24 CU.M |

