



Power : 100HP(74.5KW) @ 2200 RPM

# EFX100

## BACKHOE LOADERS

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

 **Perkins**<sup>®</sup>  
1104D - 44TA, 100HP

ENGINE

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

CAPACITY

**9500KG**

OPERATING  
WEIGHT



WIDER  
PLATFORM

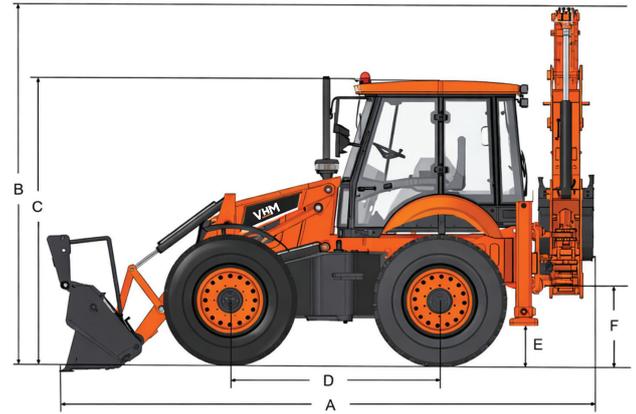
# EFX100 TECHNICAL SPECIFICATIONS

STANDARD FEATURES		
<b>Engine :</b> Perkins	1104D-44TA (EU Stage IIIA / U.S. EPA Tier 3 Equivalent) 4 Cylinders, Turbo Charged, Water Cooled Diesel Engine, delivering Power: 100 HP (74.5 KW) @ 2200 RPM	
<b>Max Torque</b>	418 Nm @ 1400 RPM	
<b>Transmission</b>	SPS Transmission with Torque Converter & Synchronised Gearbox 4 Forward and 4 Reverse Speeds	
<b>Axle</b>	Front: Drive & Steer Axle with CARRARO Planetary Drive, Centrally Pivoted	
	Rear: Drive & Steer Axle with CARRARO Planetary Drive	
<b>Steering</b>	Hydrostatic Steering for reliable and better control 3 Steering Modes - 2 Wheel Steer - 4 Wheel Steer - Crab Steer	
<b>Brakes</b>	Hydraulically actuated wet disc brake at rear wheels with twin pedals in cabin for better control. Mechanically actuated disc brake for parking.	
<b>Cabin</b>	ROPS & FOPS Cabin with AC and Heater, fully enclosed wide view cabin with easy entry and exit from the cabin	
<b>Hydraulic System</b>	Main Pump Flow: 145 LPM	
	Relief Pressure: 225 Bar	
<b>Electrical System</b>	12V Battery with Negative Earth and Suitable Alternator.	
<b>Battery Ampere</b>	165 Ah	
<b>Max Speed</b>	36 km/h	
<b>Operating Weight</b>	9500 kg	
<b>Turning Radius</b>	• 2 Wheel Steer	5.4 Met
	• 4 Wheel Steer	8.5 Met
<b>Refill Capacity</b>	• Hydraulic Tank	135 LTRS
	• Fuel Tank	130 LTRS
	• Engine Oil	11 LTRS
	• Transmission & Torque Converter	17 LTRS
	• Rear Axle (Planetary Gearbox)	3 LTRS
	• Rear Differential Housing	13 LTRS
	• Front Axle (Planetary Gearbox)	2.6 LTRS
• Front Differential Housing	8.5 LTRS	
<b>Optional Equipment</b>	• Joystick	• Extendable Dipper
	• Telematics	• SRS System
	• Forks Over the Bucket	• Detachable Magnetic Beacon Light
	• Sun Visor	• Quick Coupler for Excavator Bucket
	• Rock Breaker	
<b>Tyres</b>	Front : 16.90-18-12PR   Back : 16.90-28-12PR	

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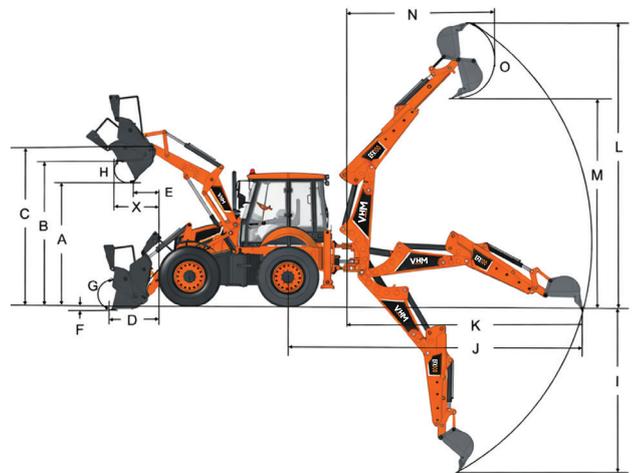
## STATIC DIMENSIONS

<b>A. Overall Length</b>	5.8 M
<b>B. Overall Height</b>	3.82 M
<b>C. Height to Top of Cab</b>	3.00 M
<b>D. Wheel Base</b>	2.24 M
<b>E. Stabilizer Feet Clearance</b>	0.34 M
<b>F. Slew Ground Clearance</b>	0.61 M
<b>Width (over bucket)</b>	2.37 M
<b>Track Width Front</b>	1.96 M
<b>Track Width Rear</b>	1.96 M



## LOADER PERFORMANCE

<b>A. Dump Height</b>	2.91 M
<b>B. Load Over Height</b>	3.41 M
<b>C. Bucket Pin Height</b>	3.66 M
<b>D. Reach at Ground</b>	1.32 M
<b>E. Reach at Full Height (Bucket Dumped)</b>	0.45 M
<b>F. Below Ground Level Dig Depth</b>	0.08 M
<b>X. Max Reach at Full Height</b>	0.89 M
<b>G. Rollback at Ground</b>	32°
<b>H. Dump Angle</b>	38°



## EXCAVATOR PERFORMANCE

	EXT.	RET.
<b>I. Max Dig Depth</b>	5.00 M	4.00 M
<b>J. Reach Ground Level to Tyre Center</b>	7.74 M	6.74 M
<b>K. Reach Ground Level to Slew Center</b>	6.50 M	5.40 M
<b>L. Max Working Height</b>	6.30 M	5.48 M
<b>M. Max Loadover Height</b>	4.64 M	3.82 M
<b>N. Reach at Full Height to Slew Center</b>	3.80 M	2.88 M
<b>O. Bucket Rotation Power</b>	185°	
<b>P. Side Reach to Center Line of Machine</b>	6.81 M	5.81 M
<b>Q. King Post Travel</b>	0.90 M	
<b>Bucket Tearout Force</b>	5600 KGF	

