

# LOVOL

CONSTRUCTION

## Toughest, Strongest Build



The Lovol 48 tonne Excavator features a Cummins Engine, one of the most reliable, trusted and fuel efficient engines available. KPM hydraulic system with pilot oil operated joysticks for precise control. Many of the problematic electronic items are eliminated and with the toughest heavy duty construction the Lovol FR480E is a machine that saves you down time and costly repairs.

- Cummins Engine
- Hydraulic Quick Hitch
- Hammer Piping
- KPM Hydraulics
- Pilot Operated Joysticks
- Auto Greaser Option Available



Lovol ES and ER technology is adapted for the hydraulic system through confluence & energy recycling, thus the working efficiency is substantially improved by 8% compared to the same size machines of other brands. KPM (same as Hitachi) pumps means proven and trusted operation for maximum hours.

## LOVOL FR480E EXCAVATOR

**EQUIPMENT  
SPECIALISTS**  
AUSTRALIA PTY LTD

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Reliability is of utmost importance if you want to **increase production** and **save costs!** The 3 + 3 filter system is adopted – that is, intake air and diesel fuel is filtered 3 times before entering the engine. This provides multiple protection for items out of your control. Hydraulic system filtration cleans 99.5% of impurities, guaranteeing system components longer life.



Lovol machines consist of high strength steel and over engineered construction reducing the stress concentration of the most important areas. This is in line with our toughest, strongest, build policy.



Most trusted engine brands. High torque and Intercooled for performance and reliability with proven Bosch fuel pumps making this machine extremely fuel efficient. Extra-large radiators for running in 50°C temperatures. Toughness and hassle free engine running for maximum hours.



Using ADAMS Software to optimize design of the hinge points of the working devices has eliminated the invalid stroke of hydraulic cylinders to achieve a larger excavation range and simultaneously the efficiency is improved by 6% and the digging force increased by 8% putting Lovol at the leading edge of excavation.



The cab is made from a profiled steel structure frame work internationally certified ROPs approved which is mandatory for safe operation and peace of mind. The cab is mounted on 6 silicone shock absorbers making operator comfort paramount with 95% of operation shock eliminated. With less down time on our machines we know operators will appreciate the added comfort including fully lined, sealed and climate control A/C.

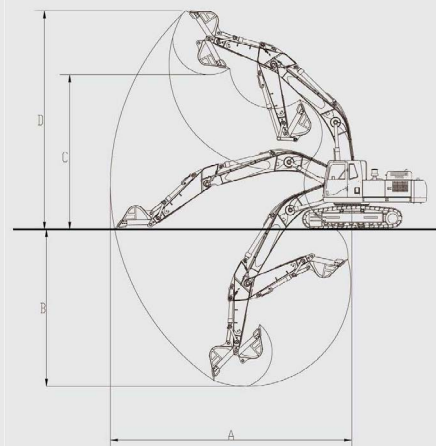
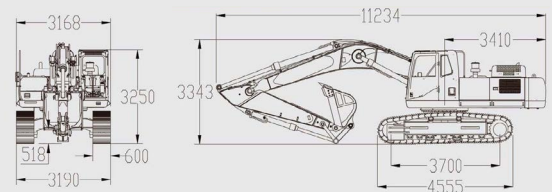


CAE analysis is conducted based on ANSYS software increasing the overall strength by 40% of the working devices.

Box type track frame with large cross section X frame adapted increases the strength by 40% of the cross section with high strength steel plate included on the upper and lower X frame making for the strongest track frame.

**FR480E | Specifications**

Item	Units	Value
Operational weight	kg	48,000
Engine brand	6 cylinder	Cummins
Engine power	kw/HP	298/400
Standard bucket capacity	m <sup>3</sup>	1.9
Bucket digging force	kN	243
Dipper arm force	kN	199
Max. digging radius (A)	mm	10,700
Max. digging depth (B)	mm	6861
Max. unloading height (C)	mm	7064
Max. digging height (D)	mm	10,031
Machine Width	mm	3202
Machine Height	mm	3235
Travel speed (fast/slow)	km/h	5
Swing speed	rpm	10



Genuine Manufacturers Warranty Included. Specifications may change without notice. Photos are an indication only.

**LOVOLFR480E**  
EXCAVATOR

