

## Toughest, Strongest Build



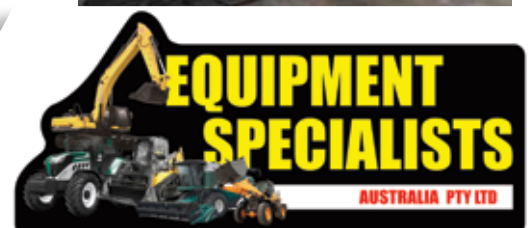
The Lovol 8 tonne Excavator features a Yanmar Engine. Rexroth hydraulic system with pilot oil operated joysticks so no machine ECU or sensors along with the toughest heavy duty construction, it has been designed and developed for the harsh Australian conditions.

- Yanmar Engine
- Hydraulic Quick Hitch
- Hammer Piping
- Bulldozing Blade
- Rexroth Hydraulics
- Pilot Operated Joysticks
- **No Machine ECU**
- Rubber Track Pads Option
- Auto Greaser Option Available



# LOVOL FR80E

EXCAVATOR





Reliability is of utmost importance if you want to **increase production** and **save costs!** The 3 + 3 filter system is adapted – 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.



Our 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.



Equipment Specialists have designed and developed Lovol machines with the best quality engines suitable for operating in the harsh environment of Australia. Extra large cooling for 50°C. Trusted Bosch fuel pump. High torque, intercooled, tested and proven hassle free running and maximum life.



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.

### FR80E | Specifications

Item	Units	Value	Attachments	Rubber Pads for Tracks also available.
Operational weight	kg	8400		
Engine brand	4 cylinder	Yanmar		
Engine power/speed	kw/rpm	43/2100		
Standard bucket capacity	m <sup>3</sup>	0.32		
Bucket digging force	kN	56		
Dipper arm force	kN	38		
Max. digging radius (A)	mm	6335		
Max. digging depth (B)	mm	4050		
Max. unloading height (C)	mm	5030		
Max. digging height (D)	mm	7150		
Machine Width	mm	2256		
Machine Height	mm	2641		
Travel speed (fast/slow)	km/h	4.6/3.2		
Swing speed	rpm	11		

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

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