

Toughest, Strongest Build



The Lovol 22 tonne Excavator features an Isuzu engine with mechanical fuel pump. No engine ECU (Electronic Computer Unit). Kawasaki hydraulic system with pilot oil operated joysticks so no machine ECU and sensors along with the toughest heavy duty construction, it has been specially designed and developed for the harsh Australian conditions.

- Isuzu Engine
- Mechanical Fuel Pump
- **No Engine ECU**
- Hydraulic Quick Hitch
- Hammer Piping
- Kawasaki Hydraulics
- Pilot Operated Joysticks
- **No Machine ECU**
- Auto Greaser Option Available



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 tonnage machines of other brands. With the **highest quality components** & a pilot oil operated joystick, you have a machine that will shift more during operation not to mention less down time and lower costs with electronic computers and sensors eliminated!

LOVOL FR220D

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. No ECU (Electronic Computer Unit), Trusted Bosch inline mechanical 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.

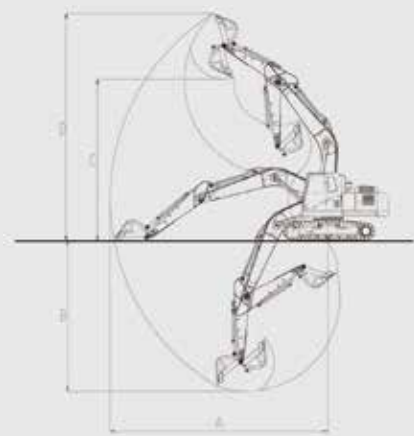


CAE analysis is conducted based on ANSYS software increasing the overall strength by 40% of the working devices.

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.

FR220D | Specifications

Item	Units	Value
Operational weight	kg	21,950
Engine brand	6 cylinder	Isuzu
Engine power/speed	kw/rpm	114/2100
Standard bucket capacity	m ³	1.0
Bucket digging force	kN	136
Dipper arm force	kN	100
Max. digging radius (A)	mm	9837
Max. digging depth (B)	mm	6772
Max. unloading height (C)	mm	7233
Max. digging height (D)	mm	10,177
Machine Width	mm	2980
Machine Height	mm	3054
Travel speed (fast/slow)	km/h	5.3/3.5
Swing speed	rpm	12



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

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