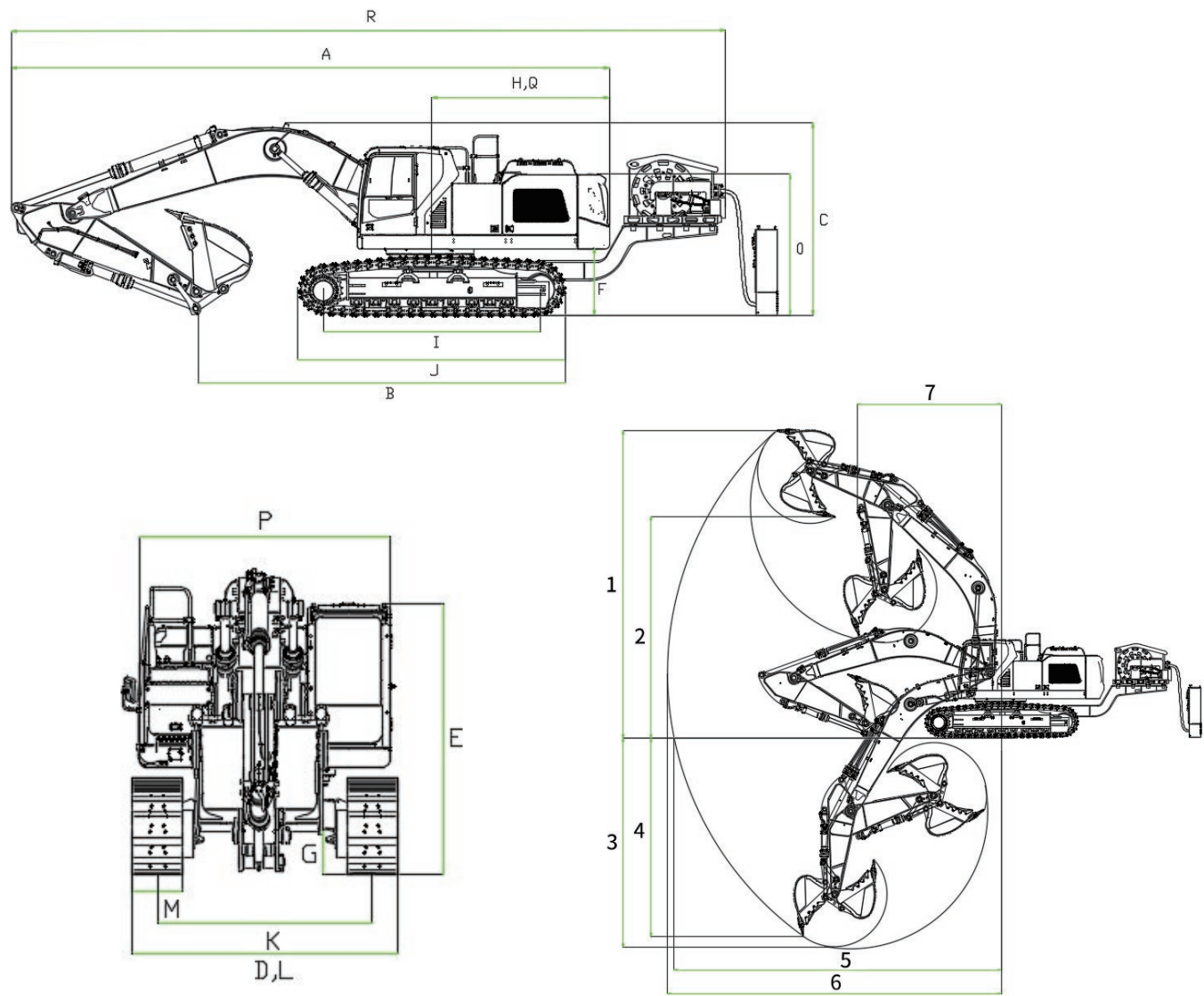


A	Total Length, mm	11350	K	Track Gauge, mm	2590
B	Grounding Length of Transport Attitude, mm	6840	M	Std. track Shoe Width, mm	600
C	Total Height, mm	3615	O	Counterweight height, mm	2679
D	Shipping Width, mm	3200	P	Rotary Platform Width, mm	3025
E	Cab Height, mm	3289	1	Max. Cutting Height, mm	10055
F	Ground Clearance of Counter Weight, mm	1266	2	Max. Dumping Height, mm	7092
G	Min. Ground Clearance, mm	544.5	3	Max. Digging Depth, mm	6940
H	Rear-end Swing Radius, mm	3610	4	Max. Vertical Excavating Depth, mm	5558
I	Ground Contact Length of Crawler, mm	4140	5	Max. Excavating Radius at Floor Level, mm	10580
J	Track Length, mm	5116	6	Max. Excavating Radius, mm	10790
			7	Min. Swing Radius, mm	4430



WE AIM AT CUSTOMERS' SATISFACTION

Lovol Heavy Industry, a wholly state-owned subsidiary under Weichai Holding Group, was established in 2004. It currently possesses "three manufacturing bases and two innovation centers" .

Lovol Heavy Industry's business is one of the six core business segments of Weichai Group. Its products cover four main categories including excavators, loaders, off-highway mining trucks, and backhoe loaders.The R&D, production, and sales center of excavators, loaders, and backhoe loaders is located in Qingdao, covering an area of over 900 acres. The R&D and production center of off-highway mining trucks is located in Yangzhou,Jiangsu, covering an area of over 300 acres. Lovol Heavy Industry has gradually developed into a global leader in intelligent construction solutions by providing customers with intelligent products,equipment interconnection, intelligent construction, new energy products, and scenario solutions.



Official Website



Facebook

LOVOL HEAVY INDUSTRY GROUP CO.,LTD.

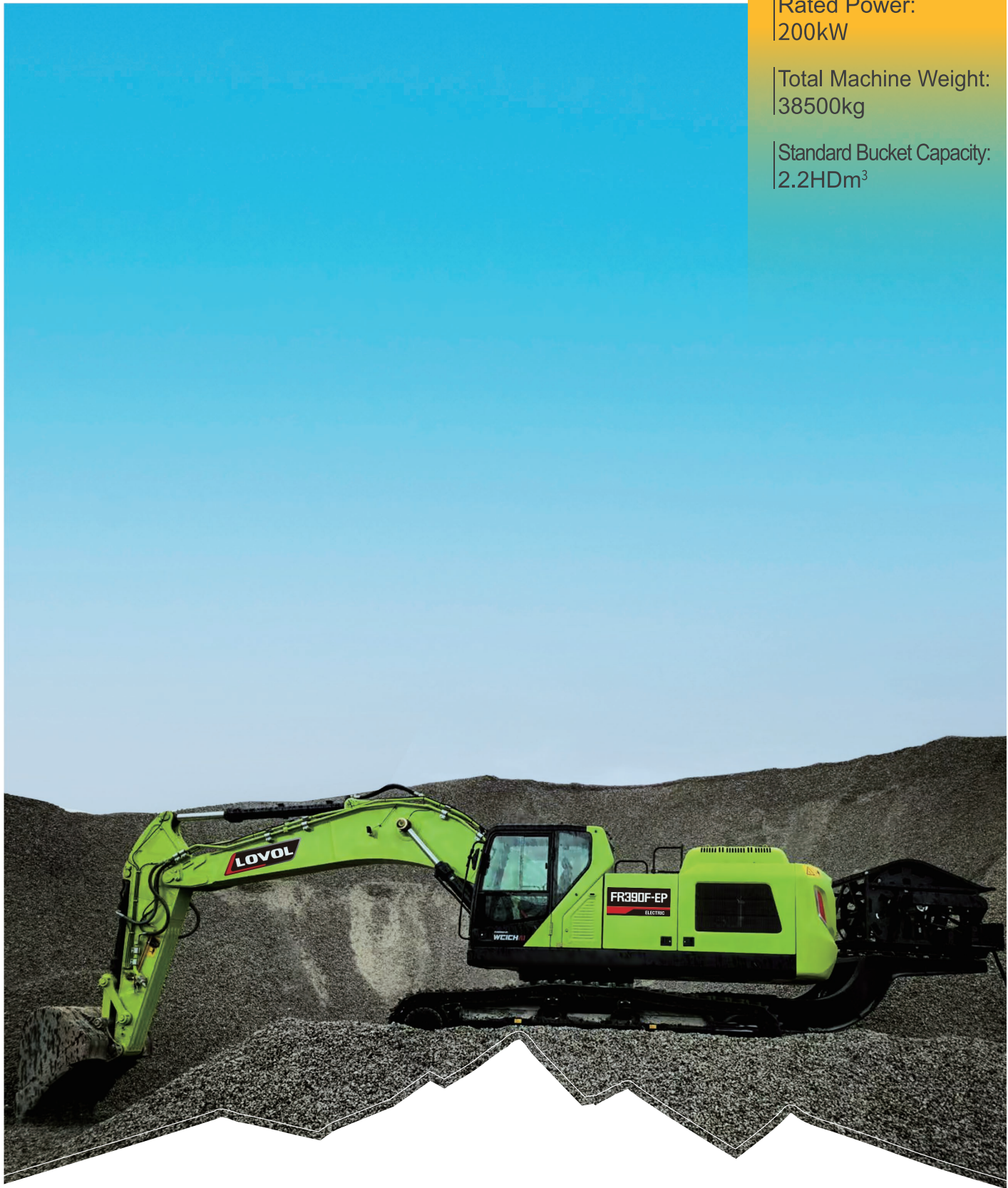
Address:No.75,Huanghe East Road,Huangdao District,Qingdao City, Shandong Province,China.

Website:en.wlovol.com

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Ⓢ As manufacturer, LOVOL has right to constantly upgrade and improve our products without informing to customers.
Ⓢ The pictures in literatures are for reference only, the detailed specifications are subject to real products.

LOVOL



|Rated Power:
200kW

|Total Machine Weight:
38500kg

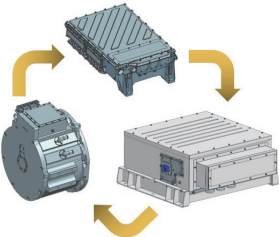
|Standard Bucket Capacity:
2.2HDm³

FR390F-EP EXCAVATOR

Technical specifications and designs are subject to change without notice and additional equipment may be installed on the supplied machines.

Green Power, Energy-Saving & High Efficiency

Intelligent, efficient, reliable, and safe, offering a comfortable experience while meeting the needs of energy conservation and emission reduction.

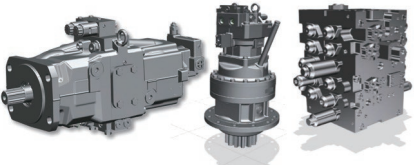


Efficient

Using a 200kW permanent magnet synchronous motor (PMSM), it achieves precise speed control with a peak energy conversion efficiency of up to 297.5%.

High torque output, with a maximum of 2400N·m, fully meeting power demands.

An uncontrolled rectifier unit is employed to provide 600V high-voltage DC power for the vehicle.



Reliable hydraulic system

The main pump and swing motor components utilize Linde 02 Series technology, with over two decades of proven market performance.

The core rotating assembly features optimized structure, superior materials, and extended service life.



Trailing power cable system

Bottom-entry power connection with 50-meter pre-installed cable.

Continuous operation for 24 hours a day.

No range anxiety.

Reinforced Machine Body
Efficient And Reliable



Efficient And Reliable

The working device structure has been completely upgraded, resulting in a service life increase of over 25%.

The boom and dipper arm feature large cross-sectional structural designs.

It employs a large-capacity rock-specific bucket with an optimized shape for reduced cutting resistance; it also features the largest specification breaker in its weight class.

A mining-specific chassis with a 45-ton class four-wheel and track system.

The reinforced four-wheel and track system features dual-support structure for the track idler wheels.

The modulus of the slewing bearing has been increased from 14 to 16.

The heat treatment process of the track components has been upgraded, resulting in a 60% increase in wear resistance.

Generation F Cabin

The newly developed Generation F cabin features a novel appearance and an overall layout that complies with ergonomic principles, enhancing visual experience, offering more storage space, and providing greater comfort for the operator.



First-Class Working Space

The new structure extends upwards to meet the ROPS regulations for 50-ton equipment, providing enhanced safety.

Panoramic sunroof, breaking the conventional concept of construction machinery.

Intelligent components such as a 10.1-inch touch screen display and one-key start switch.

The cab is equipped with high-quality mechanical suspension seats, meeting the comfort requirements of the driver.

Main Parameters	
Operating Weight, kg	38500
Motor Power, kW	200
Bucket Capacity, m³	2.2HD
Crushing Specification, mm	φ185
Arm Digging Force, kN	215
Bucket Digging Force, kN	245
Hydraulic Module	
Main Pump	WEICHAI HPR210
Main Valve	WEICHAI OCV32
Travel Drive	
Max. Gradeability, °	35
Traveling Speed, km/h	5.5/3.3
Max. Traction Force, kN	307

Electric Motor	
Brand	WEICHAI New Energy Power
Rated Power, kW	200
Slewing Mechanism	
Turning Speed, r/min	9.5
Turning Torque, kN·m	151
Oil System	
Total Hydraulic Oil Capacity, L	500
Hydraulic Tank Capacity, L	316
Motor Coolant, L	23
Slewing Gearbox Oil Capacity, L	10.5
Travel Gearbox Oil Capacity, L	10

