

TECHNICAL SPECIFICATIONS



Engine

Engine Model	WEICHAİ WP7H
Number of Cylinders	6
Max. Torque/Speed	1000N·m/1300-1500rpm
Displacement	6.2L



Main Performance

Bucket Digging Force	156kN
Arm Digging Force	109kN
Max. Traction Force	193kN
Max. Walking Speed	5.1km/h
Min. Walking Speed	3.3km/h
Rotary Speed	10r/min
Gradeability	35°
Ground Pressure	45.7kPa



Hydraulic system

Max. Main Pump Flow	500L/min
Main Safety Valve Pressure	34.3/37.3MPa



Oil Capacity

Fuel Tank	385L
Hydraulic Tank	220L
Engine Oil	20L



MAKE WORLD BETTER



Rated Power	160/2000rpm
Operating Weight	23500kg
Bucket Capacity	1.2m³

FR245E₂
EXCAVATOR



EFFICIENCY

Powerful Engine

Equipped with world famous brand Weichai WP7H engine, which can provide strong power when working with low fuel consumption, the fuel efficiency is improved dramatically.

Hydraulic System

Equipped with Linde hydraulic system which has good cooperation between the main pump and main valve, the control performance is perfect, it has good working experience through fast and smooth operation.

Fuel efficiency increased by more than 15%

Excellent Working Performance

The large torque rotary motor makes the swing operation more faster and smoothly, equipped with 1.2 cbm large bucket, it has higher working efficiency and lower oil consumption compared with the same level machine.



RELIABILITY

Reliable Electrical System

All the wiring harnesses adopt waterproof and dustproof connectors, which have high security level and high reliability. Shut-down protection is added to reduce the failure possibility for electrical elements when power was cut off.

Reinforced Working Device

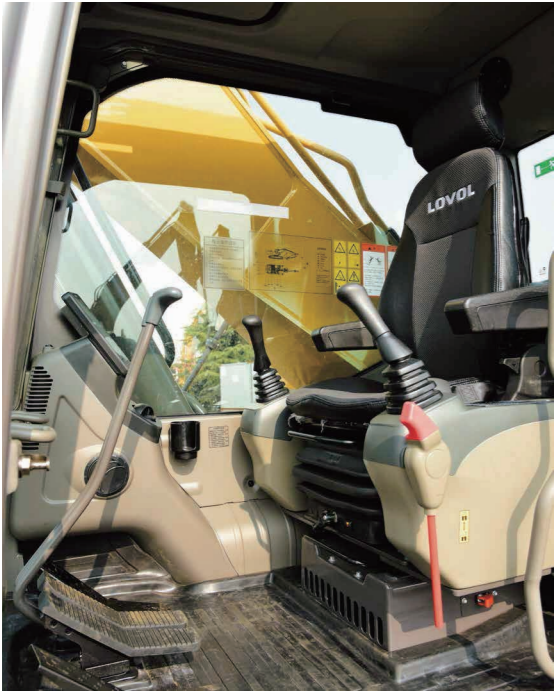
Adopts high-strength rock bucket teeth which is special suitable for the tough applications, the boom and arm are reinforced to prolong the service life. Self-lubrication shaft sleeve is used to make every linkage works smoothly with high durability.

High strength abrasion resistant material

The bucket side material adopts HQ60 material and the bottom of the bucket adopt updated Q550D material, it makes the bucket more durable.



COMFORT



Large Spacious Cab

Equipped with spacious cab which provides operator large space to operate machine. The premium suspension seat with armrests is very comfortable and it can reduce the working fatigue dramatically. Front windshield can be partially or fully retracted to the cab roof. Rearview camera is optional to get better rear vision in order to improve operation safety in jobsite.

Ergonomic Design

The proportional joystick delivers sensitivity, accuracy and smoothness in operation. This joystick is specially designed to meet different operating conditions. Intelligent control system is standard which could control diverse attachments such as bucket, hammer, scarifier and hydraulic scissors.

Low Noise and Low Vibration

In order to reduce work fatigue and improve productivity, the noise inside of cab has been controlled to the lowest level. The cab is attached to the frame with buffer that dampens vibrations and sound levels to enhance operator comfort.

SERVICEABILITY



Display Screen

Add trouble code diagnostic and maintenance monitor functions which are convenient for operator to find the failure and do the routine maintenance on time.

Engine Hood and Panels

The large engine hood enlarges maintenance space for operator to check and maintain the engine. The tool box is big with big opening angle which can put grease bucket and special tools easily. One key can open all locks of machine, it is very convenient for the operator.

Filters and Maintenance Period

All the filters are fixed at ground level position, it is very convenient to do routine maintenance. The maintenance interval is also extended to save time and cost.

Extra Long Warranty Time

The engine and hydraulic system provide 5 years or 10000 hours long term warranty time.



INCREASE YOUR PRODUCTIVITY AND PROFIT WITH LOVOL ATTACHMNTS

You can easily expand the performance of your machine by utilizing any of the variety of LOVOL Attachments. Each LOVOL Attachments is designed to fit the weight and horsepower of LOVOL Excavator for improved performance, safety, and stability.



Quick Coupler



Hydraulic Shear



Hydraulic Hammer



Standard Bucket



Scarifier



STANDARD CONFIGURATION

Engine		Cab	
Turbocharged 4 stroke water-cooling electronic injection type		Ashtray	
Complying with China Stage III emissions		Cigar lighter	
Automatic idle system		Seat belt	
Engine oil pan drain valve		Front sunshade	
Radiator with protective net		Storage box	
Double filter elements dry air filter element		Escape hammer	
Air pre-filter		Thermostatically controlled air conditioner	
Air intake heater		Shock absorber (silicone oil and rubber pad)	
Fan guard		Flexible antenna	
		Radio (with interfaces of MP3 and USB)	
		Hydraulic safety lock	
		Sun-protection safety glass	
		Floor mat	
		Large storage area	
		Pull-up front window	
		Removable lower windshield	
		Sunshade window	
		Front-bottom glass protective screening	
		Wipers	
		Open skylight	
Hydraulic System			
Automatic hydraulic system (confluence system)			
Anti-swing valve			
Boom and arm block valve			
Multi-stage filtration system			
Cylinder buffer device			
Auxiliary hydraulic valve			
Automatic two-speed travel motor			
Electronic Control System		Swing Platform	
24V power supply		Passage with railing	
Diagnostic interface		Tool box	
Emergency stop switch		Anti-skid plate	
Display brightness adjustment		Large pedal	
Maintenance tips		Large armrest	
Automatic diagnostic system		Bottom protection plate	
Automatic idle system		Anti-collision beam	
One-touch pressure augmentation			
Safe stop / start function			
Main power switch			
Anti-theft system			
Engine starting protection		Chassis	
Multilingual display		Fixed chassis	
		600mm, three-tooth track shoe	

TECHNICAL SPECIFICATIONS

A side-view technical drawing of the excavator's upper body and tracks. Dimension lines indicate: N (rotary platform width), E (cab height), L (track shoe width), K (track gauge), D (shipping width), and G (ground clearance of counterweight).

A side-view technical drawing of the excavator's boom, arm, and tracks. Dimension lines indicate: A (shipping length), H (tail turning radius), C (boom height), M (hood height), I (length to center of rollers), J (track length), B (shipping ground length), and F (ground clearance of counterweight).

Working Range

Max. Digging Height	1	10190mm
Max. Dumping Height	2	7260mm
Max. Digging Depth	3	6510mm
Max. Vertical Digging Depth	4	5980mm
Max. Digging Radius	5	9875mm
Max. Ground Digging Radius	6	9690mm
Min. Turning Radius	7	2910mm

A side-view technical drawing of the excavator's boom, arm, and tracks, illustrating the working range. Dimension lines indicate: 1 (max. digging height), 2 (max. dumping height), 3 (max. digging depth), 4 (max. vertical digging depth), 5 (max. digging radius), 6 (max. ground digging radius), and 7 (min. turning radius).

Dimensions

Shipping Length	A	9580mm
Shipping Ground Length	B	/ mm
Boom Height	C	/ mm
Shipping Width	D	2980mm
Cab Height	E	3060mm
Ground Clearance of Counter Weight	F	1090mm
Min. Ground Clearance	G	461mm
Tail Turning Radius	H	2925mm
Length to Center of Rollers	I	3640mm
Track Length	J	4465mm
Track Gauge	K	2380mm
Track Shoe Width	L	600mm
Hood Height	M	/ mm
Rotary Platform Width	N	2700mm

Other Specifications

Boom Length		5700mm
Arm Length		2925mm
Track Section Number (each side)		49
Track Roller Number		9