

WEICHAI | LOVOL



Engine

WEICHAI LOVOL

Rated Power

36.8kW (50hp) / 59.0kW (80hp)

Bucket Capacity

0.30 m³

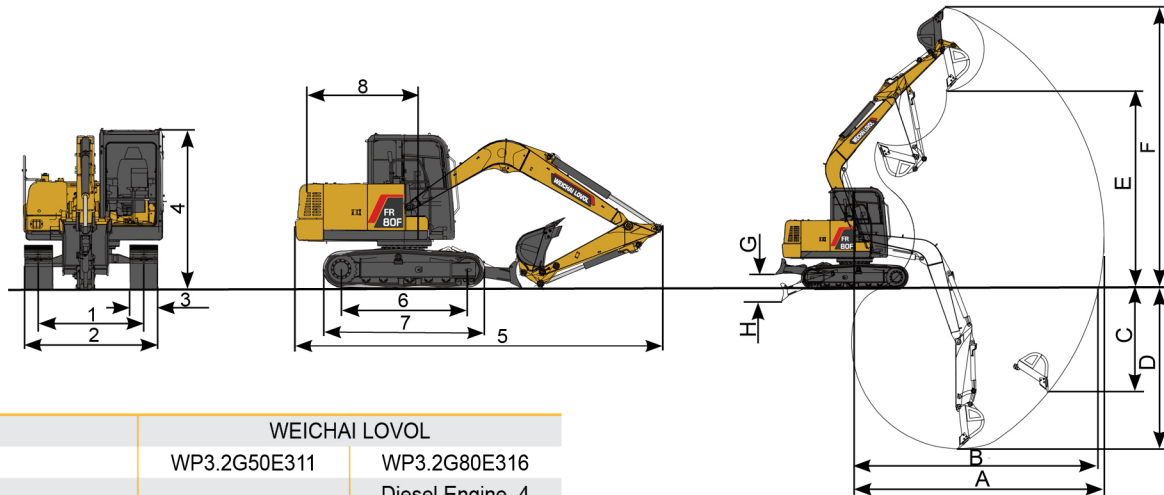
Operation Weight

7300kg / 7650kg

Model

FR80F

HYDRAULIC EXCAVATOR



Engine

Engine	WEICHAI LOVOL	
Model	WP3.2G50E311	WP3.2G80E316
Engine Type	Diesel Engine, 4 Stroke, Water Cooled, Direct Injection, Common rail	Diesel Engine, 4 Stroke, Water Cooled, Direct Injection, Common rail, Turbocharge
Number of Cylinder-Bore×Stroke	4-98×105mm	
Engine Power / Speed	36.8kW (50hp) / 2200rpm	59.0kW (80hp) / 2400rpm 58.3kW (79hp) / 2200rpm
Engine Torque / Speed	200N·m / 1400-1700rpm	302N·m / 1700rpm
Displacement	3.17L	
Fuel Tank Capacity	110L	150L

- All engine horsepower (hp) are metric including front page
- In heavy duty working applications, the main computer controller automatically adjusts power and speed according to the change of the load to ensure high output power, so as to the efficiency will be improved significantly

Walking drive

Type	Hydrostatic	
Travel Speed (Max. / Min)	4.3km/h / 2.7km/h	4.7km/h / 2.72km/h
Max. Traction Force	61kN	60kN
Gradeability	35°	
Track Number (Each side)	38	
Upper Roller / Lower Roller (Each side)	1 / 5	
Ground Pressure	33.9kPa	
Track Type	Triple grouser	
Track Gauge (1)	1700mm	
Undercarriage Width (2)	2150mm	
Track Width (3)	450mm	
Wheel Tread (6)	2130mm	
Undercarriage Length (7)	2750mm	

- The system will automatically speed control.
- The track can be adjustable of tension.
- The left and right track driving independently.

Hydraulic System

Hydraulic Pump	Variable flow axial piston pump
Hydraulic Flow	144L/min
Hydraulic Pressure	28MPa
Hydraulic Oil Tank Capacity	100L
• Hydraulic safety lock • The system will automatically detect the pressure when face big frustration during digging, and automatically adjusts output pressure to keep the powerful force in digging process	

Working Performance

Cab Height (4)	2570mm	
Overall Length (5)	6000mm	
Tail Turning Radius (8)	1750mm	
Bucket Type	Standard Bucket With Teeth And Side Cutter	
Bucket Capacity (SAE Heaped)	0.30m³	
Bucket Width	700mm	
Bucket Digging Force	56kN	
Arm Digging Force	38kN	
360° Swing Speed	11r/min	
Blade Dozer	2150mm × 420 mm	
Blade Dozer Lifting Height (G)	365mm	
Blade Dozer Falling Height (H)	355mm	
Arm Type	6.20m	6.37m
Max. Digging Radius (A)	6200mm	6370mm
Max. Digging Radius On Ground Level (B)	6000mm	6210mm
Max. Vertical Digging Depth (C)	3650mm	3700mm
Max. Digging Depth (D)	3900mm	4100mm
Max. Unloading Height (E)	5030mm	5200mm
Max. Digging Height (F)	7100mm	7300mm

Electrical System

Electric system	12V
Battery	12V 100Ah × 1 units

Cab

- All weather steel cap with safety glass, ROPS/FOPS cab, safe work, air condition (R134a)
- Adjustable seat with safety belt is very comfortable
- Wipers, radio AM/FM/USB, horn, back-up alarm
- LCD Display screen: working modes, hour meter, voltage charger, water-cooling temperature, engine oil pressure, hydraulic oil pressure, fuel level, hydraulic oil level, etc., and add trouble code diagnostic and maintenance monitor functions which are convenient for operator to find the failure and do the routine maintenance on time

Optional Configuration

○ Hydraulic breaker	○ Flail Head
○ Quick coupler	○ Radio AM/FM/USB/CD
○ Rubber track pad	○ GPS system on computer, smartphone (android, IOS)

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As manufacturer, LOVOL has right to constantly upgrade and improve our products without informing to customers.

The pictures in illustrators are for reference only, the detailed specifications are subject to real products.