

TECHNICAL SPECIFICATIONS



Engine

| | |
|---------------------|----------------------|
| Engine Model | WEICHAI WP17T |
| Number of Cylinders | 6 |
| Max. Torque/Speed | 3300N·m/1200~1600rpm |
| Displacement | 16.6L |



Main Performance

| | |
|----------------------|----------|
| Bucket Digging Force | 406kN |
| Arm Digging Force | 368kN |
| Max. Traction Force | 524kN |
| Max. Walking Speed | 4km/h |
| Min. Walking Speed | 2.8km/h |
| Rotary Speed | 6.6r/min |
| Gradeability | 35° |
| Ground Pressure | 113kPa |



Hydraulic system

| | |
|----------------------------|-----------|
| Max. Main Pump Flow | 1020L/min |
| Main Safety Valve Pressure | 34.3MPa |



Oil Capacity

| | |
|----------------|------|
| Fuel Tank | 900L |
| Hydraulic Tank | 660L |
| Engine Oil | 52L |



Rated Power
Operating Weight
Bucket Capacity

566kW/1900rpm
79000kg
5.5m³



FR800F

EXCAVATOR



RELIABILITY

Energy saving, High Efficiency, Reliable Quality

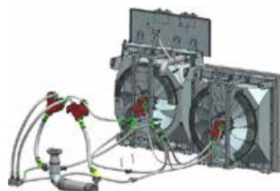
Powerful Engine

Engine thermal efficiency is leading in the industry, with a minimum fuel consumption of 183g/kwh on average.
H-platform engine, the high-end product of Weichai, with a service life of up to 30,000 hours.



Independent water and oil radiators

Reliable hydraulic driven fan with variable rotational speed based on temperature changes. Adopt hydraulic pump and hydraulic motor drive, with higher reliability;
The forward and reverse rotation hydraulic motor can achieve fan reverse blowing, avoiding the decrease in heat dissipation efficiency caused by clogging of the radiator.



PRODUCTIVITY

Golden hydraulic power assembly

Lovol customized WP15H Engine + Linde 300cc Main Pump, Working Mass 69000kg

Large-displacement Main Pump

Large-displacement main pump, with a 7.1% increase in displacement compared to competing products.
The main pump plunger adopts a steel clad steel inverted structure, which is conducive to reducing the friction coefficient, reducing the friction area, optimizing the oil film structure, and improving product efficiency and reliability.



High-flow Main Valve

The main valve body is made of vermicular graphite cast iron material, which has better shock absorption and thermal conductivity. The tendency to shrink and loosen is small to avoid blocking of the valve core. It has withstood 3 million impact tests on the ultra-high pressure durability test bench, with a longer service life.



ROBUSTNESS



Solid and durable chassis structure

The chassis is a split type mine dedicated chassis, with 70-tonnage drive wheels, guide wheels, supporting rollers, carrier rollers, and tracks. The split type bolt is used to connect the lower vehicle body, and the dual-support structure carrier sprocket is adopted.

Reinforced slewing platform

The slewing platform adopts a heavy-duty structure, which reduces stress by more than 40%. The platform architecture is upgraded, increasing the installation spacing of the main beam and movable arm, and greatly improving the bearing capacity

Reinforced Working Device

The working device architecture is newly upgraded, with a service life of over 15,000 hours. Adopt a large capacity dedicated rock bucket, optimized and upgraded bucket shape, with less cutting resistance; With the largest crushing hammer in the same tonnage model.



COMFORT



Large Spacious Cab

The newly developed F-generation cab has a novel appearance, and the overall layout conforms to ergonomics, improving the visual experience, providing more storage space, and making the man-machine interaction more comfortable. New interior design, air duct and air outlet design, increased storage space; Improved and upgraded seats for higher comfort.

Ergonomic Design

New interior design, air duct and air outlet design, increased storage space; Improved and upgraded seats for higher comfort. First-class workspace. More convenient maintenance. The new walking passage design makes getting on and off more convenient. The rear view camera is equipped as standard to improve driving safety.

Intelligent Interaction

The newly developed F-generation cab has a novel appearance, and the overall layout conforms to ergonomics, improving the visual experience, providing more storage space, and making the man-machine interaction more comfortable. Introduction of intelligent components such as 10.1-inch touch screen display and one button start switch.

Hydraulic Hammer



Scarifier



STANDARD CONFIGURATION

Engine

| |
|------------------------------------------------------------|
| Turbocharged, 6-cylinders, water-cooling, direct injection |
| Radiator with protective fence |
| Oil bath type cleaner |
| Air intake heater |
| Fan guard |
| Double filters, dry air filter |
| Engine oil pan with oil drain valve |
| Automatic idle speed system |
| Three-stage fuel filter |
| 75A/24V alternator |

Cab

| |
|-------------------------------|
| Ashtray |
| Cigarette lighter |
| Seat belt |
| Shade plate |
| Storage compartment |
| Emergency hammer |
| Air conditioner |
| Audio speaker |
| Shock absorber |
| Flexible aerial |
| Radio |
| Hydraulic safety locking rod |
| Sun proof safety glass |
| Cab floor mat |
| Pull-up front window |
| Dismountable lower windshield |
| Sun shade window |
| Windshield wiper |
| Skylight window |
| Suspended seat |
| Big storage area |

Chassis

| |
|---------------------------------------|
| Fixed chassis |
| 600mm/800mm double grouser track shoe |

Hydraulic System

| |
|-----------------------------------------------------|
| Automatic hydraulic system (flow confluence system) |
| Multistage filtration system |
| Anti-sway valve |
| Boom and stick locking valve |
| Cylinder buffer device |
| Anti-slope turning device |
| Waste oil drainage pipeline |
| Pilot buffer valve (rotary, stick, boom) |
| Dual-speed travel motor |
| Hydraulic hammer pipeline |

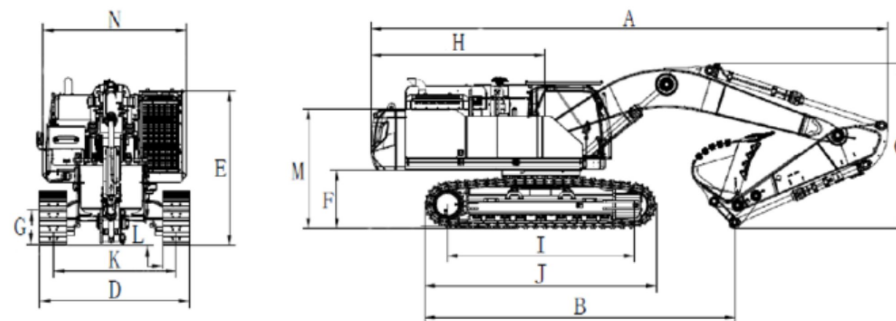
Electronic Control System

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|--------------------------------|
| 24V power battery |
| Monitor brightness adjustment |
| Maintenance tips |
| Safe stop & start function |
| Master switch |
| Engine start protection |
| Multilingual display |
| Cab ceiling light |
| Diagnostic interface |
| Emergency stop switch |
| Automatic diagnosis system |
| Automatic idle speed system |
| One-touch pressure enhancement |
| Anti-theft system |

Swing Platform

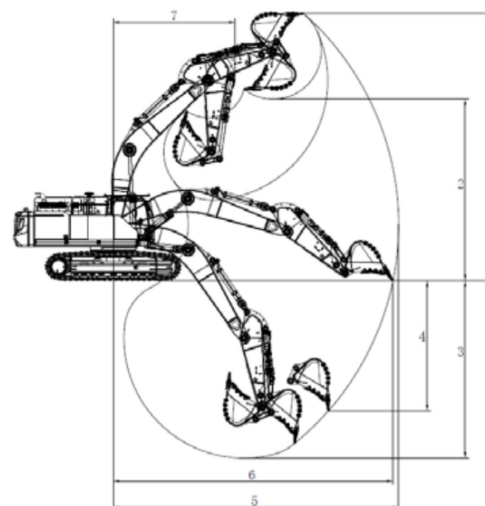
| |
|------------------------|
| Toolbox |
| Large pedal |
| Large handrail |
| Bottom guard plate |
| Anti-crash beams |
| Anti-skid plates |
| Passage with handrails |

TECHNICAL SPECIFICATIONS



Working Range

| | | |
|-----------------------------|---|---------|
| Max. Digging Height | 1 | 11950mm |
| Max. Dumping Height | 2 | 7190mm |
| Max. Digging Depth | 3 | 7410mm |
| Max. Vertical Digging Depth | 4 | 4240mm |
| Max. Digging Radius | 5 | 11970mm |
| Max. Ground Digging Radius | 6 | 11660mm |
| Min. Turning Radius | 7 | 5340mm |



Dimensions

| | | |
|------------------------------------|---|-------------|
| Shipping Length | A | 12780mm |
| Shipping Ground Length | B | 8065mm |
| Boom Height | C | 4840mm |
| Shipping Width | D | 3500mm |
| Cab Height | E | 3570mm |
| Ground Clearance of Counter Weight | F | 1600mm |
| Min. Ground Clearance | G | 900mm |
| Tail Turning Radius | H | 4180mm |
| Wheel Tread | I | 4790mm |
| Track Length | J | 6000mm |
| Track Gauge | K | 2840/3410mm |
| Track Shoe Width | L | 650mm |
| Hood Height | M | 3490mm |
| Rotary Platform Width | N | 3480mm |

Other Specifications

| | |
|----------------------------------|--------|
| Boom Length | 7000mm |
| Arm Length | 2800mm |
| Track Section Number (each side) | 48 |
| Track Roller Number | 8 |