

WEICHAI | **LOVOL**



Engine

WEICHAI LOVOL

Engine Mark

WEICHAI LOVOL

Rated Power

74kW (100hp) /
71.9kW(97hp)

Operation Weight (Standard Arm)

8760kg

Operation Weight (Telescopic Arm)

8970kg

Model

FLB468-II
SIDE-SHIFT BACKHOE LOADER
Emission III standard engine

FLB468-II Backhoe Loader Specifications

| Engine | | | |
|----------------------------------|---|-------------------------|------|
| Engine | WEICHAI LOVOL | | |
| Model | WP4.1G100E311 | WP4.1G100E441 | |
| Engine Type | Diesel Engine, 4 Stroke, Inline, Direct Injection, Water Cooled, Turbocharger | | |
| Number of Cylinder-Bore×Stroke | 4-105×118mm | | |
| Rated Engine Power / Speed (ISO) | 74kW (100hp) / 2200rpm | 71.9kW (97hp) / 2200rpm | |
| Engine Torque / Speed | 395N·m / 1400-1600rpm | 420N·m / 1600rpm | |
| Displacement | 4.088L | | |
| Air Filter | Dry Air Filter | | |
| Fuel Tank Capacity | 130L | 142L | 152L |

- All engine horsepower (hp) are metric including front page
- The engine meets EU Stage III emission standard
- Auto idle system and auto stop system
- Intercooler (optional configuration)
- Engine oil cooler (optional configuration)
- Electrical fuel supply (optional configuration)

| Transmission System | | | |
|------------------------------|--|--|------------------|
| Type | Four Wheel Drive | | |
| Front Axle Oscillation Angle | 22° | | |
| Transmission | Torque Converter | | |
| Gear Shift | Power shift, synchro shuttle, 4 forward, 4 reverse | Power shuttle transmission, 4 forward, 4 reverse | |
| Max. Travel Speed | 37km/h | 40km/h | 37km/h 40km/h |
| Front Tyre Size | 14-17.5 | 12.5×18 | 14-17.5 12.5×18 |
| Rear Tyre Size | 19.5L-24 | 16.9×28 | 19.5L-24 16.9×28 |
| Traction Force | 70kN | | |

- The transmission adopts WEICHAI LOVOL, it is durable and reliable.
- Four wheel drive system, available with either four wheel drive (4WD) or two wheel drive (2WD).
- The differential lock operated on rear axle

| Steering System | |
|---|--|
| Type | Hydrostatic Power Steering |
| Outside Front Wheels Turning Circle (A) | 7.50m (with braked) / 8.86m (without braked) |
| Outside Loader Bucket Turning Circle (B) | 10.40m (with braked) / 11.00m (without braked) |
| Outside Loader Bucket Turning Circle [Only 0.85m³ Bucket] (B) | 10.00m (with braked) / 11.20m (without braked) |

- Front-wheel steering system.

| Brake System | |
|---------------|----------------------------------|
| Service Brake | Wet Type-Hydraulic Power Braking |
| Parking Brake | Hand Brake |

| Hydraulic System | | | | | |
|------------------------|-------------|----------|---------------|---------------------------------|----------|
| Hydraulic System | Open Center | | Closed Center | | |
| Hydraulic Pump | Gear Pump | | | Variable Flow Axial Piston Pump | |
| Hydraulic Flow | 145L/min | 150L/min | 154L/min | 135L/min | 150L/min |
| Hydraulic Pressure | 225Bar | 245Bar | 250Bar | 250Bar | 250Bar |
| Hydraulic Oil Capacity | 130L | | 138L | 152L | |

- Hydraulic oil cooler (optional configuration)

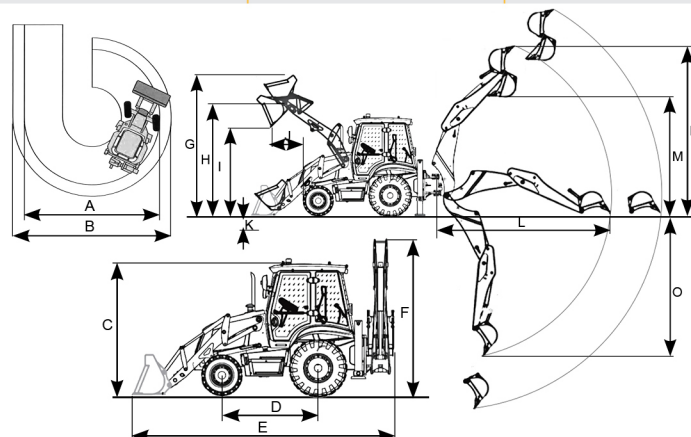
| Standard Equipment | |
|---|--|
| • Rops canopy steel cab - compliant ROPS/FOPS, safe work, air condition | |
| • Adjustable seat with safety belt suitable for various position working conditions | |
| • Front & side instrument panel (hour meter, voltage charger, water-cooling temperature, engine oil pressure, fuel level, etc.), working light, front & rear wipers, horn, backup alarm | |

| Optional Equipment | |
|----------------------------|-------------------|
| • Hydraulic breaker | • Hydraulic auger |
| • Automatic belt tensioner | • Flail head |
| • GPS system | |

| Working Device | | | | | | | | | |
|--------------------------------------|-------------------------|---------|-------------------------------|----------------|-------------------------------|---------|---------|---------|---------|
| Height to Top of Cab (C) | 2700mm | | 2850mm | | 2890mm | | | | |
| Wheelbase (D) | 2170mm | | 2200mm | | 2250mm | | | | |
| Overall Length (E) | 5810mm | 5830mm | 5900mm | 5950mm | | | | | |
| Overall Height (F) | 3500mm | | 3600mm | | 3820mm | | | | |
| Overall Width | 2400mm | | | | | | | | |
| Loading Bucket Type | General Purpose Bucket | | Multi Purpose Bucket (4 in 1) | | Multi Purpose Bucket (6 in 1) | | | | |
| Loading Bucket Capacity (SAE Heaped) | 0.85 m³ | 1.00 m³ | 1.15 m³ | 0.85 m³ | 1.00 m³ | 1.15 m³ | 0.85 m³ | 1.00 m³ | 1.15 m³ |
| Loading Bucket Width | 2200 mm | | 2300 mm | | 2350 mm | | | | |
| Rated Load | 1700kg | | 3050kg | | 3480kg | | | | |
| Bucket Breakout Force | 28kN | | 58kN | | 61kN | | | | |
| Arm Breakout Force | 37kN | | 58kN | | 58kN | | | | |
| Dump Angle | 43° | | 45° | | 47° | | | | |
| Loader Lifting Height (G) | 4100mm | | 4300mm | | 4300mm | | | | |
| Hinge Pin Height (H) | 3400mm | | 3500mm | | 3600mm | | | | |
| Dumping Height (I) | 2600mm | | 2800mm | | 2900mm | | | | |
| Fully Dump Reach at Full Height (J) | 780mm | | 800mm | | 800mm | | | | |
| Loader Digging Depth (K) | 70mm | | 95mm | | 110mm | | | | |
| Rollback Angle at Ground Level | 45° | | 47° | | 47° | | | | |
| Digging Bucket Type | Standard Profile Bucket | | | | | | | | |
| Digging Bucket Capacity (SAE Heaped) | 0.18m³ | | 0.20m³ | | 0.20m³ | | | | |
| Digging Bucket Width | 610mm | | 650mm | | 700mm | | | | |
| Bucket Digging Force | 45kN | | 58kN | | 63.5kN | | | | |
| Arm Digging Force | 44kN | | 55kN | | 63kN | | | | |
| Swing Arc | 180° | | 180° | | 204° | | | | |
| Bucket Rotation Angle | 180° | | 204° | | 204° | | | | |
| Side Shift | 1010mm | | | | | | | | |
| Digging Arm Type | Standard Arm | | | Telescopic Arm | | | | | |
| | | | | Ret | Ext | | | | |
| Max. Digging Radius (L) | 5300mm | 5450mm | 5700mm | 5350 mm | 6400 mm | 6700 mm | 6900 mm | | |
| Max. Loading Height (M) | 3500mm | 3600mm | 3900mm | 3350 mm | 4250 mm | 4400 mm | 4500 mm | | |
| Max. Digging Height (N) | 5100mm | 5200mm | 5500mm | 5000 mm | 5900 mm | 6200 mm | 6600 mm | | |
| Max. Digging Depth (O) | 4000mm | 4100mm | 4300mm | 4020 mm | 4600 mm | 5200 mm | 5810 mm | | |

- Loader, excavator and branch leg (H-type) controlled by hydraulic system
- The loader with smooth ride system
- Safety bar

| Electrical System | | |
|-------------------|-----------|-----------|
| Electric system | 12V | |
| Battery | 12V 100Ah | 12V 120Ah |
| Alternator | 65A | 150A |



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