



Engine

Engine Mark

Rated Power

Operation Weight (Standard Arm)

Operation Weight (Telescopic Arm)

WEICHAI LOVOL

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

8760kg

8970kg

Model

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

FLB468-II Backhoe Loader Specifications

Specification	Standard		Optional	
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	4.087L		
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 Type 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)	10.90m (with braked) / 11.20m (without braked)
Brake System	
Service Brake	Wet Type-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	
• Intercooler	• Hydraulic auger
• Automatic belt tensioner	• Flail head
• Hydraulic breaker	• GPS system

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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.

Specification	Standard			Optional			
Working Device							
Height to Top of Cab (C)	2700mm		2850mm		2890mm		
Wheelbase (D)	2170mm		2200mm		2250mm		
Overall Length (E)	5830mm		5900mm		5950mm		
Overall Height (F)	3500mm		3600mm		3820mm		
Overall Width	2400mm						
Loading Bucket Type	General Purpose Bucket		Multi Pupose Bucket (4 in 1)		Multi Pupose Bucket (6 in 1)		
Loading Bucket Capacity	1.0m³ (SAE Heaped)		1.15m³ (SAE Heaped)				
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				
Dump Angle	43°		45°		47°		
Loader Lifting Height (G)	4100mm		4300mm				
Hinge Pin Height (H)	3400mm		3500mm		3600mm		
Dumping Height (I)	2600mm		2800mm		2900mm		
Fully Dump Reach at Full Height (J)	780mm		800mm				
Loader Digging Depth (K)	70mm		95mm		110mm		
Rollback Angle at Ground Level	45°		47°				
Digging Bucket Type	Standard Profile Bucket						
Digging Bucket Capacity	0.18m³ SAE Heaped		0.20m³ SAE Heaped				
Digging Bucket Width	610mm		650mm		700mm		
Bucket Digging Force	45kN		58kN		63.5kN		
Arm Digging Force	44kN		55kN		63kN		
Swing Arc	180°						
Bucket Rotation Angle	180°		204°				
Side Shift	1010mm						
Digging Arm Type	Standard Arm			Telescopic Arm			
				Ret	Ext		
Max. Digging Radius (L)	5300mm	5450mm	5700mm	5350mm	6400mm	6700mm	6900mm
Max. Loading Height (M)	3500mm	3600mm	3900mm	3350mm	4250mm	4400mm	4500mm
Max. Digging Height (N)	5100mm	5200mm	5500mm	5000mm	5900mm	6200mm	6600mm
Max. Digging Depth (O)	4000mm	4100mm	4300mm	4020mm	4600mm	5200mm	5810mm
• 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		

