LiuGong



Engine	Cummins QSF3.8
Rated Power	86 kW (115 hp / 117 ps) @ 2,200 rpm
Maximum Speed	36 km/h
Standard Loader Bucket Capacity	1.0 m^3
Standard Backhoe Bucket Capacity	0.2 m^3
Operating Weight	8,100 kg

766A BACKHOE LOADER

TOUGH WORLD. TOUGH EQUIPMENT.

766A SPECIFICATIONS >>>

ENGINE	
Emission Regulation	Stage III
Manufacturer	Cummins
Model	QSF3.8
Rated Power	86 kW (115 hp / 117 ps) @ 2,200 rpm
Peak Torque	470 N · m @ 1320 rpm
Displacement	3.8 L

ELECTRICAL SYSTEM	
System Voltage	12 V
Battery Rating	95 amp-hr

DRIVE TRAIN	
Number of Drive Wheels	2 WD / 4 WD
1st Maximum Speed, fwd/rev	5.9 km/h
2nd Maximum Speed, fwd/rev	10.7 km/h
3rd Maximum Speed, fwd/rev	20.5 km/h
4th Maximum Speed, fwd/rev	36 km/h
Turning Radius Outside of Front Tire	4,400 mm
Turning Radius Outside of Bucket	5,554 mm

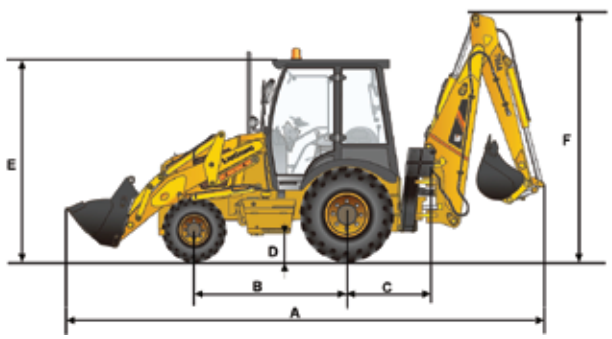
BRAKES	
Service Brake Type	Wet disc
Service Brake Actuation	Hydraulic

TIRES	
Front Tire Size	14-17.5NHS-14RP
Rear Tire Size	19.5L-24-12PR

HYDRAULIC SYSTEM	
Circuit Type	Open
Total Flow	143 L/min
Main Relief Pressure	24 Mpa
Pump Type	Tandem gear pump
Steering Type	2 WS

OPERATING WEIGHTS	
Operating Weight	8,100 kg

STANDARD EQUIPMENT
Boom Interlock
Seat Belt
Open Cab, ROPS / FOPS
Auxiliary Purpose Bucket 1.0 m^3



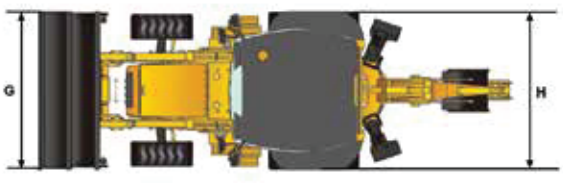
LOADER PERFORMANCE	
Standard Bucket Type (referenced)	General purpose
Heaped Capacity ISO (referenced)	1.0 m^3
Standard Bucket Width (referenced)	2,260 mm
Lift Capacity at Full Height	30.2 kN
Bucket Breakout Force	59.3 kN
Maximum Dump Angle at Full Height	45°
Dump Height at Maximum Angle	2,691 mm
Maximum hinge in height	3,443 mm
Boom Lift Capacity, end, at ground	49.3 kN
Maximum Dig Depth	89 mm

BACKHOE PERFORMANCE	
Standard Bucket Type (referenced)	General Purpose
Heaped Capacity ISO (referenced)	0.2 m^3
Standard Bucket Width (referenced)	610 mm
Maximum Dig Depth	4,440 mm
Reach From Swing Pivot at Ground	5,443 mm
Turning Angle of Bucket	186°
Bucket Digging Force	58.2 kN
Arm Digging Force, standard arm	37.5 kN
Loading Height	3,554 mm
Loading Reach from Swing Pivot	3,007 mm

SERVICE CAPACITIES	
Fuel Tank	130 L
Engine Oil	9 L
Cooling System	23 L
Hydraulic Oil Tank	130 L
Hydraulic System Total	170 L
Axle, front	5.5+0.7*2 L
Axle, rear	13+1.5*2 L

DIMENSIONS	
A Shipping Length	6,970 mm
B Wheelbase	2,210 mm
C Length from Rear Axle to Swing Pivot	1,240 mm
D Min. Ground Clearance	300 mm
E Height To Top of Cab	2,876 mm
F Shipping Height	3,577 mm
H Shipping Width	2,280 mm
G Bucket Width	2,260 mm

OPTIONAL EQUIPMENT
4 in 1 Bucket 1.0 m^3
Telescopic Boom
Hydraulic Hammer



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03/2026 Designed by LiuGong
Replace the previous versions of 01/2025

Specifications and designs are subject to change without notice. Machines shown may include optional equipment. LiuGong standard and optional equipment may vary from region to region. Please consult your LiuGong dealer for information specific to your area. Engine power kW is converted to horsepower (1 kW=1.3596 ps and 1 kW=1.3410 hp) in this file.