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Caterpillar 446B Backhoe Loader

CATEGORY: BACKHOE LOADERS →

MANUFACTURER: CATERPILLAR →

MODEL: 446B →

The Caterpillar 446B Backhoe Loader is a powerful and versatile machine designed for taking on a variety of excavating and loading tasks. With impressive dig depths, extended reach capabilities, and strong lifting capacities, this backhoe loader is well-equipped for tackling demanding construction projects. Its efficient hydraulic system, reliable engine, and comfortable cab make it a reliable choice for operators in need of a dependable and productive machine. With a range of standard features and options available, the Caterpillar 446B delivers high performance and efficiency on the job site.

See all Caterpillar 446Bs for sale

General Specifications

Backhoe

Bucket Dig Force	15,200 lbs (6,895 kg)
Bucket Dig Force - Extended	15,150 lbs (6,872 kg)
Bucket Rotation	169 degrees

Dig Depth - Extended	22 ft (7 m)
E-Stick Extended (1)	22 ft (7 m)
E-Stick Extended (2)	26 ft (8 m)
E-Stick Extended (3)	15,150 lbs (6,872 kg)
E-Stick Extended (4)	7,830 lbs (3,552 kg)
E-Stick Extended (5)	4,600 lbs (2,087 kg)
E-Stick Retracted (1)	17 ft (5 m)
E-Stick Retracted (2)	22 ft (7 m)
E-Stick Retracted (3)	15,150 lbs (6,872 kg)
E-Stick Retracted (4)	11,200 lbs (5,080 kg)
E-Stick Retracted (5)	13,660 lbs (6,196 kg)
Load Height - Extended	16 ft (5 m)
Loading Height	14 ft (4 m)
Loading Reach	7 ft (2 m)
Reach at Load Height - Extended	11 ft (3 m)
Reach from Swing Pivot	22 ft (7 m)
Reach From Swivel	22 ft (7 m)
Reach From Swivel - Extended	26 ft (8 m)
Stick Dig Force	10,800 lbs (4,899 kg)
Stick Lift at 2440 mm (8 ft)	13,540 lbs (6,142 kg)

Ground Clearance	1 ft (0 m)
Height to Top of Suspended Cab	9 ft (3 m)
Transport Length	25 ft (8 m)
Transport Width	8 ft (2 m)
Wheelbase	7 ft (2 m)

Engine

Bore	4 in (11 cm)
Displacement	268 cu in (4,392 cu cm)
Gross Power	110 hp (82 kw)
Gross Power - SAE J1995	110 hp (82 kw)
Net Power	102 hp (76 kw)
Net Power - SAE J1349	102 hp (76 kw)
Net Torque Rise - 1,400 rpm - Standard	32.6%
Number of Cylinders	4
Power Measured @	2200 rpm
Stroke	5 in (13 cm)

Hydraulic System

4WD Cylinder - Bore	3 in (8 cm)
Brake System	Fully enclosed hydraulic multiple disk

Power Steering	Hydrostatic
Pump Capacity at 2,200 rpm	47 gpm (178 lpm)
Pump Flow Capacity	47 gpm (178 lpm)
Relief Valve Pressure	3248.9 psi
Steering Type	Front Wheel

Loader

Bucket Breakout Force	12,589 lbs (5,710 kg)
Bucket Breakout Force - Single Tilt	11,610 lbs (5,266 kg)
Bucket Capacity	2 cu yd (1 cu m)
Bucket Capacity - General Purpose	2 cu yd (1 cu m)
Bucket Width	96 in (244 cm)
Bucket Width - General Purpose	96 ft (29 m)
Clearance at Max Dump Height	9 ft (3 m)
Dig Depth	6 in (16 cm)
Dig Depth - Single Tilt	6 in (16 cm)
Dump Height at Maximum Angle - Single Tilt	9 ft (3 m)
Dump Reach at Maximum Angle - Single Tilt	3 ft (1 m)
Lift Capacity at Full Height - Single Tilt	8,610 lbs (3,905 kg)
Reach at Max Dump Height	3 ft (1 m)

Operating Specifications

Fuel Capacity	33 gal (125 l)
Operating Weight 4wd	19,599 lbs (8,890 kg)
Tire Size Front - 2wd / 4wd	14.5/75 x16.110PRF3 / 12.5x2010PRR4
Turning Circle - Outside - Front Wheels	29 ft (9 m)
Turning Circle - Outside, Widest Loading Bucket	37 ft (11 m)
Turning Radius	19 ft (6 m)

Power Train

Forward - 2nd	6 mph (9 kph)
Forward - 3rd	7 mph (12 kph)
Forward - 4th	12 mph (19 kph)
Reverse - 2nd	7 mph (12 kph)
Reverse - 3rd	13 mph (21 kph)

Service Refill

Cooling System - A/C	8 gal (30 l)
Engine Oil - With Filter	3 gal (11 l)
Front Axle (4WD)	3 gal (9 l)
Front Axle - Planetaries	0 gal (1 l)
Fuel Tank	33 gal (125 l)
Hydraulic System	41 gal (155 l)

Hydraulic Tank	15 gal (57 l)
Rear Axle	8 gal (31 l)

Standards

Cab - ROPS	SAE J394 SAE J1040 Apr 88 ISO 3471 1986
Cab - Sound	ANSI/SAE J1166 May 90 is 81 dB (A)
Exterior Sound	SAE J88 Jun 86 is 76dB (A)
Front Axle (2WD) - Static	21,230 lbs (9,630 kg)
Front Axle (4WD) - Static	21,230 lbs (9,630 kg)
Rear Axle - Static	20,194 lbs (9,160 kg)

Tires

Rear Tires Size	21Lx2412PRR4
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Transmission

Max Speed	20 mph (32 kph)
Max Speed - Reverse	13 mph (21 kph)
Number of Forward Gears	4
Number of Reverse Gears	3
Transmission Type	auto-shift

Weights

Counterweights - Option 1	35 lbs (16 kg)
Operating Weight - Maximum	19,604 lbs (8,892 kg)
Operating Weight - Nominal	19,603 lbs (8,892 kg)



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