

Backhoes



Skid Steer Loader Work Tools Multi Terrain Loader Work Tools

Bucket Breakout Force

BH30 Backhoe	1488 kg (3280 lb)
BH30 w Backhoe	1882 kg (4148 lb)

Hydraulic Pressure

BH30 Backhoe	170 bar (2465 psi)
BH30 w Backhoe	170 bar (2465 psi)

Cat® Backhoes

Heavy-duty designed Backhoes provide optimal productivity and performance for building construction, landscaping, industrial, and demolition.

Caterpillar® Backhoes are used in typical backhoe applications such as digging footings, basements, and drainage ditches, utility trenching, backfilling, and maintaining slopes and embankments in construction, industrial and landscaping settings. They are also ideal for demolishing concrete and asphalt when paired with Caterpillar H45/H50/H63 hammers.

Caterpillar offers two sizes of Backhoes. The BH30 is designed for Cat Skid Steer Loaders 216, 226, 228, 232, 242, and Multi Terrain Loaders 247 and 257. The BH30 w is designed for Cat Skid Steer Loaders 236, 246, 248, 252, 262, and Multi Terrain Loaders 267 and 277.

Performance and Versatility

The BH30 and BH30 w deliver maximum performance and provide smooth, efficient operation when coupled to Cat Skid Steer Loaders and Multi Terrain Loaders. Excellent maneuverability, superior versatility, fast cycle times, and low operating height make the new backhoes the most productive Skid Steer Loader mounted backhoe in the industry. Designed and built to Caterpillar standards, they carry with them the proven Caterpillar reputation for performance, versatility, and reliability.

Ease of Operation

The Caterpillar Backhoe is operated from the comfort of the cab seat with standard Backhoe Loader controls and comes standard with side shift capabilities and auxiliary hydraulic lines to fit your specific excavation or demolition needs. The cab operated control panel allows for effortless control of the stick, boom, and bucket functions.



Features and Benefits

■ Productivity and Maneuverability:

The BH30 and BH30 w in-cab operation increases productivity by reducing the amount of time required to reposition compared to traditional skid steer loader backhoes, allowing for faster cycle times vs. competitive units. The compact package of the machine and backhoe allows the operator to maneuver more easily in confined areas and leaves more trailer space for other Caterpillar Work Tools.

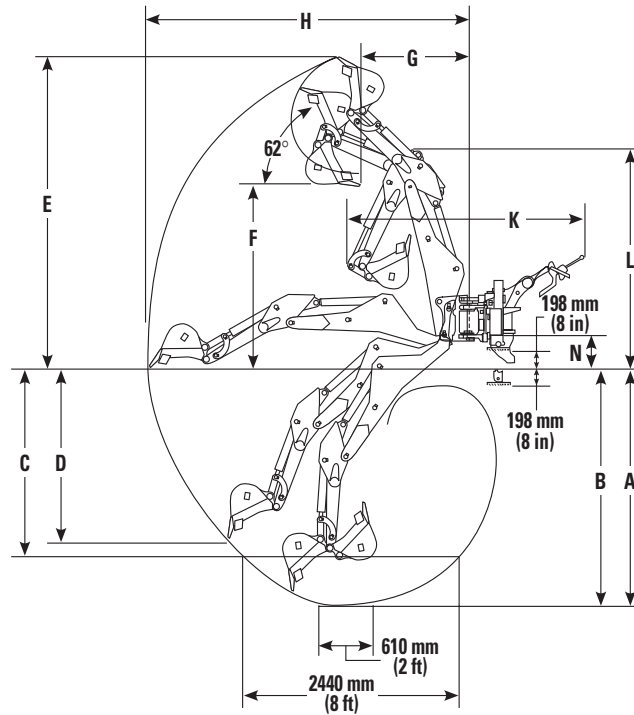
- **“Best in Class” comfort:** Operators can dig, excavate, side-shift, and even reposition the machine and backhoe without ever leaving the seat. Operators can work for extended periods of time, with little fatigue since the cab offers comfort and cover from extreme temperatures or inclement weather conditions.

- **Digging Depth** provides up to 2896 mm (9'6") dig depth and allows for a wide variety of applications such as placing pipes, electrical lines, cable lines, sprinkler systems, and drainage tile.

- **Auxiliary hydraulic lines** provide auxiliary flow to the end of the stick to operate work tool of choice. Operation of the third function lever is controlled inside the cab from the fold-down control assembly. The lever has an intermittent or continuous position to maximize production.
- **Common Linkage** with 302.5 Mini Hydraulic Excavator buckets, hammers, and quick couplers provides excellent versatility.
- **Vertical Stabilizers** are independently controlled from the fold-in control panel. Independent adjustment of the left and right stabilizer allows for proper adjustment of the work platform.
- **Boom Swing** on both units is 180 degrees to maneuver and dig wherever needed. This allows the operator to work in tight spaces and provides increased visibility.
- **Manual Side-Shift** on the BH30 is 838 mm (2'9") from left to right for maximum visibility. The BH30 w provides 1067 mm (3'6") of side shift from left to right. Side-shift provides the ability to dig close to walls, exposing brick ledges, backfilling and widening trenches.

Digging Information / Performance

Dimensions



Operational	BH30	BH30 w
A Digging depth maximum	2896 mm (114 in)	2896 mm (114 in)
B Digging depth 610 mm (2 ft) flat bottom	2870 mm (113 in)	2870 mm (113 in)
C Digging depth 2440 mm (8 ft) flat bottom	2413 mm (95 in)	2413 mm (95 in)
D Straight wall digging depth	1981 mm (78 in)	1981 mm (78 in)
E Overall operating height	3556 mm (140 in)	3582 mm (141 in)
F Loading height	2134 mm (84 in)	2159 mm (85 in)
G Loading reach	1321 mm (52 in)	1321 mm (52 in)
H Reach from swing pivot	3734 mm (147 in)	3734 mm (147 in)
K Overall length	2692 mm (106 in)	2743 mm (108 in)
Stabilizer spread operating position	1549 mm (61 in)	1727 mm (68 in)
Side shift length	838 mm (33 in)	1067 mm (42 in)
Swing arc	180°	180°
Bucket rotation	185°	185°
Bucket breakout force	1488 kg (3280 lb)	1882 kg (4148 lb)
Stick breakout force	1596 kg (3518 lb)	1596 kg (3518 lb)
Transport	BH30	BH30 w
L Transport height	2489 mm (98 in)	2515 mm (99 in)
N Boom pivot height	381 mm (15 in)	406 mm (16 in)
Transport width	1778 mm (70 in)	1778 mm (70 in)
Ground clearance	167.6 mm (6.6 in)	134.6 mm (5.3 in)
Operating weight	790 kg (1741 lb)	800 kg (1764 lb)

Buckets

Specifications/Dimensions



Digging Buckets

Width	254 mm (10 in)	305 mm (12 in)	406 mm (16 in)	458 mm (18 in)	508 mm (20 in)	610 mm (24 in)
Capacity, struck ¹	0.031 m ³ (1.1 ft ³)	0.034 m ³ (1.2 ft ³)	0.042 m ³ (1.5 ft ³)	0.051 m ³ (1.8 ft ³)	0.054 m ³ (1.9 ft ³)	0.068 m ³ (2.4 ft ³)
Capacity, heaped	0.034 m ³ (1.2 ft ³)	0.040 m ³ (1.4 ft ³)	0.054 m ³ (1.9 ft ³)	0.065 m ³ (2.3 ft ³)	0.074 m ³ (2.6 ft ³)	0.091 m ³ (3.2 ft ³)
Bucket weight ²	42 kg (93 lb)	44 kg (97 lb)	49 kg (108 lb)	52 kg (115 lb)	55 kg (121 lb)	62 kg (136 lb)
Tip radius with teeth	660 mm (26 in)	660 mm (26 in)	660 mm (26 in)	660 mm (26 in)	660 mm (26 in)	660 mm (26 in)
Side wall angle	0°	4.4°	4.4°	4.4°	4.4°	4.4°
Base edge thickness	10 mm (0.4 in)	10 mm (0.4 in)	10 mm (0.4 in)	10 mm (0.4 in)	10 mm (0.4 in)	10 mm (0.4 in)
No. of wear strips	2	2	2	2	2	2
No. of bolt on teeth	3	3	3	3	4	4

The Backhoe stick has the linkage configuration identical to that of the 302.5 Mini Hydraulic Excavator.

¹ Capacities shown as per ISO 7541:1997.

² Weight with cutting edge only.



Ditch Cleaning Buckets

Width	813 mm (32 in)	1016 mm (40 in)	1194 mm (47 in)
Capacity, struck ¹	0.068 m ³ (2.4 ft ³)	0.085 m ³ (3.0 ft ³)	0.096 m ³ (3.4 ft ³)
Capacity, heaped	0.079 m ³ (2.8 ft ³)	0.102 m ³ (3.6 ft ³)	0.116 m ³ (4.1 ft ³)
Bucket weight ²	82 kg (180 lb)	79 kg (175 lb)	91 kg (200 lb)
Tip radius with base edge	457 mm (18 in)	457 mm (18 in)	457 mm (18 in)
Base edge thickness	10 mm (0.4 in)	10 mm (0.4 in)	10 mm (0.4 in)
Internal brace	Yes	Yes	Yes
No. of wear strips	2	2	2

¹ Capacities shown as per ISO 7541:1997.

² Weight with cutting edge only.

Hydraulic Hammer

Specifications/Dimensions



	H45/H45s	H50/H50s	H63/H63s
Working weight	125-131 kg (275-288 lb)	180-208 kg (396-458 lb)	410-417 kg (903-918 lb)
Impact frequency	750-2200 bpm	450-1800 bpm	400-2000 bpm
Certified CIMA tool energy	137 N·m (101 lb-ft)	198 N·m (146 lb-ft)	372 N·m (274 lb-ft)
Acceptable oil flow	19-49 L/min (5-13 gpm)	20-70 L/min (5-18 gpm)	20-100 L/min (5.2-26 gpm)
Operating pressure	90 bar (1300 psi)	105 bar (1523 psi)	140 bar (2031 psi)
Tool diameter	45 mm (1.8 in)	50 mm (2.0 in)	63 mm (2.48 in)

*Photo shown with operator Protection Screen.

Hammer Tools

Tools for Caterpillar H45/H45s, H50/H50s and H63/H63s Hammers



Chisel Tools

Applications

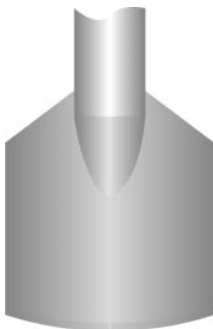
- For penetrating sedimentary and weak metamorphic rock
- Concrete
- Trenching
- Asphalt
- Brick



Moil Tools

Applications

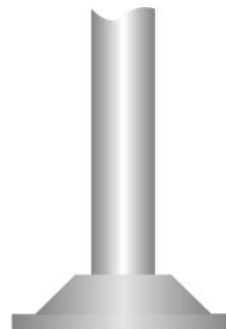
- For penetrating sedimentary and weak metamorphic rock
- Concrete
- Trenching
- Asphalt
- Brick



Spade (parallel or transverse)

Applications

- Frozen or compact ground
- Asphalt



Compacting Tools

Applications

- Ground compacting

Backhoes

Skid Steer Loader Work Tools

Multi Terrain Loader Work Tools

Compatibility

Following are the recommended and approved Cat Skid Steer Loader, Multi Terrain Loader and Hammer/Backhoe combinations for maximum system performance.

Model	Skid Steer Loader										Multi Terrain Loader			
	216	226	228	236	246	248	232	242	252	262	247	257	267	277
BH30	■	●	●	!	!	!	●†	●†	!	!	●†	●†	!	!
BH30 w	!	!	!	●	●	●	!	!	●	●	!	!	●	●

Model	Skid Steer Loader										Multi Terrain Loader			
	216	226	228	236	246	248	232	242	252	262	247	257	267	277
BH30	H45/s	H45/s H50/s	H45/s H50/s	!	!	!	H45/s H50/s	H45/s H50/s	!	!	H50/s H63/s	H50/s H63/s	!	!
BH30 w	!	!	!	H63/s	H63/s	H63/s	!	!	H63/s	H63/s	!	!	H63/s	H63/s

● Provides optimum system performance.

■ Provides acceptable system performance.

! Not Approved.

† Modification to attachment plate required for proper fit up during interim. Future bracket will be compatible on all machines.

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AEHQ5493-01 (8-02)
Replaces AEHQ5493

Materials and specifications are subject to change without notice.
Featured machines in photos may include additional equipment.
See your Caterpillar dealer for available options.

CATERPILLAR®