

Cat® High Dump Buckets

For Wheel Loaders : 924H, 930H, 938H, 950H/K /M, 962H/K /M, 966H/K /M, 972H/K /M series



Features

Increased Bucket Dump Height

Wide Range of Job Site Solutions

Protected horizontal cylinders

Efficient Operation

Benefits

Cat high dump buckets are designed in tandem with Cat wheel loaders to transfer high volumes of light materials maximising productivity.

Compared to the standard wheel loader buckets (ref. figure 1 on page 4) the High Dump Bucket can dump its content higher. The difference can be substantial.

Standard buckets are dumping below the B-pin.

The use of High Dump buckets makes it possible to fill hi-sided trucks and to fill hi-positioned hoppers easily.

Caterpillar offers a wide range of Pin-on and Quick coupler High Dump buckets to suite any rehandling application of light material.

Loading woodchip, waste, compost or coal into trucks, railroad wagons, bins and hoppers, will enhance productivity.

Dumping higher (compared to a standard bucket) is achieved by installing the bucket in a carrying frame. The bucket pivots around pivot pins which are located as far forward as possible. Dumping is made possible by means of two protected hydraulic cylinders. One cylinder mounted in each side of the frame. Cylinders are well protected by the frame in which they are mounted providing less damage and more uptime.

The bucket design takes the full advantage of machine power, reach and linkage.

Material to be loaded will smoothly run into and out of the bucket. This will increase the fillfactor of the bucket and therefore can in certain cases reduce the amount of passes required a machine needs to fill a truck. Consequently it will save time, spare parts and fuel.

Cat High Dump Buckets

Caterpillar has a 35 year legacy designing and manufacturing buckets worldwide. A tremendous amount of data and customer feedback was gathered over the years. This knowledge was successfully used in the today's design of our high dump buckets. High Dump buckets make sure that large volumes of light materials are transported and are very well suited for carrying materials over short distances and uneven ground. High Dump buckets are standard available with pin-on hinges and hinges for Fusion Coupler. (SW and ISO coupler on request)



Fusion Coupler



- 1 Integrated stops with rubber blocks to cushion the final movement of the bucket when the bucket comes back in it's seat after dumping.
- 2 Protected short horizontal cylinders inside the frame. The end-movement is dampened when the cylinders extend.
- 3 High quality cylinder pins for low maintainance.
- 4 High quality pivot pins for low maintainance.
- 5 Standard equiped with Bolt on cutting edge to protect the base edge.
- 6 Flat and long bottom for fast and better loading.
- 7 Sides either straight or curved (curved sides : for increased capacity).
- 8 A spill guard diverts overflow away from hinge plates, lift arms, hydraulic cyinders and tilt sensors helping to protect these areas of the machine. It protects these parts and results in more machine up time.

Hinges	: Pin-on or for Fusion Coupler (for other hinges: Please contact your dealer).
Hydraulic hoses	: Well protected and easy to replace.
Connecting hoses	: Included.
Central greasing	: Optional.
Short cylinders	: Resulting in low heat build up in the hydraulic fluid, low capacity loss in the bucket; resistant to bending.

Cat High Dump Buckets

Bucket selection guide

Choosing the right bucket will optimize production, lowering operating cost significantly. The right machine-bucket combination will better withstand wear and fatigue.

Woodchip	Waste	Compost	Coal	Mat. Density	WLO	WGO
				1.4		
				1.2		
				1.0		
				0.8		
				0.6		
				0.4		
				0.2		
				0.0		

■ Not Recommended
 ■ Suitable
 ■ Not Economical

For indication only. Buckets may require optional GET and wear protection. Please contact your dealer on choosing the right high-dump bucket to meet your requirements

Considering one machine type the basic design of a WLO is the same as for a WGO except for the fact that the side area of the WLO is larger. The bottom of the WLO is longer so that the cutting edge is further forward. These two factors create more capacity of the bucket in the WLO version.

Remarks

1. Other capacities available. Please contact your local dealer.
2. The connecting lines are included.
3. Pin-on buckets can also be ordered with hinges for quick coupler.
4. Please note that the carrier machine has to be equipped with the right hydraulics to activate this type of bucket.
5. Please note that the optimal choice of high dump bucket model depends on various factors, e.g. the type and specific weight of the material, the required tipping height/ dump height, the width over the tires , machine configuration, etc. For pre-order advice please contact your local dealer.



WLO

Suitable for transfer work of loose material.
Maximum density of the material to be loaded:
0.8 ton / cum.
Flat bottom

Options:

Bolt on cutting edge
Rounded sides / Straight sides
Central greasing

WGO

Suitable for transfer work of loose material.
Maximum density of the material to be loaded:
1.4 ton / cum.
Flat bottom

Options:

Bolt on cutting edge
Rounded sides / Straight sides
Central greasing

Cat High Dump Buckets

Comparison between Standard Bucket and High Dump Bucket

As can be seen below the dump height increases significant compared to standard wheel loader buckets. This is ideal for handling and loading materials such as ; woodchip, waste, compost, broken glass or coal into trucks, rail road wagons, bins and hoppers

Figure 1. Standard bucket

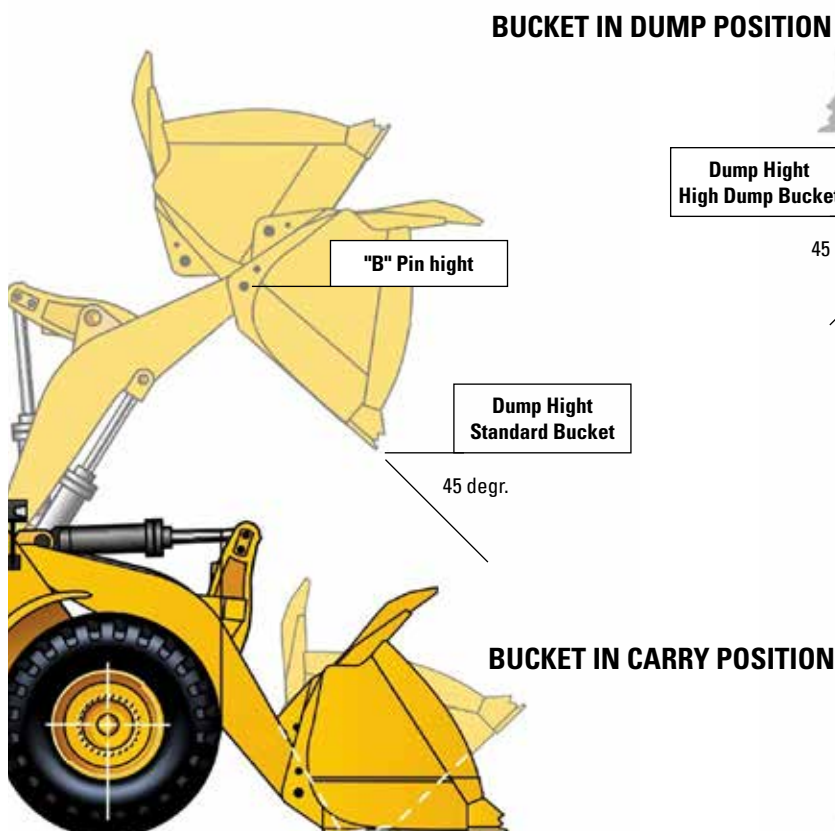
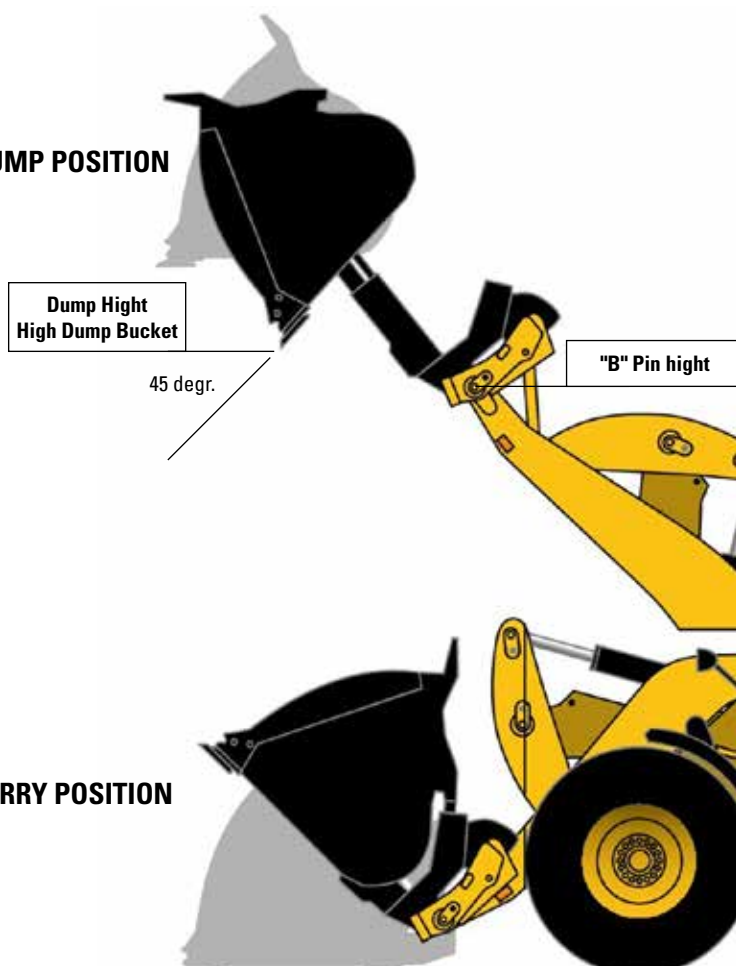


Figure 2. High Dump Bucket

In the below illustration there is also a Quick Coupler mounted on a High Lift machine. This will bring up the bucket even higher.



The actual difference in height depends on the machine type, bucket type and the size of the tires.

Matching Guide (Pin-on Buckets)

Machine	Capacity (m3)	Bucket type
924H / 930H	2.5 - 4.0	WLO / WGO
938H	4.0	WGO
C950H/K/M, 962H/K/M	5.1 - 9.0	WLO
966K/M, 972K/M	6.7 - 11.5	WLO / WGO

Matching Guide (Fusion Coupler Buckets)

Machine	Capacity (m3)	Bucket type
938H	3.1	High Dump Fusion
950H/K/M, 962H/K/M	4.6	High Dump Fusion
950K/M, 962K/M	6.1	High Dump Fusion
966H/K/M, 972H/K/M	5.4	High Dump Fusion

Buckets with other suspensions (SW Coupler and ISO Coupler) are available on request.

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

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

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