

Branson

Backhoe Specifications



BACKHOE		
Specifications	7620	8620
Maximum Digging Depth	8'0"	9'0"
Digging Depth (2' flat bottom)	7'6"	8'6"
Swing Arc	180°	180°
Loading Height (bucket at 60°)	5'10"	6'10"
Reach from Swing Pivot	9'6"	11'1"
Transport Height (maximum)	5'9"	6'9"
Bucket Rotation	180°	180°
Loading Reach (bucket at 60°)	3'7"	3'7"
Transport Overhang	3'6"	4'0"
Undercut	2'6"	2'10"
Stabilizer Spread, down position	7'5"	8'3"
Stabilizer Spread, up position	5'1"	4'6"
Bucket Cylinder Digging Force	2,840 lbs	3,738 lbs
Dipperstick Cylinder Digging Force	2,005 lbs	2,435 lbs
Shipping Weight (less bucket)	875 lbs	1040 lbs
Hydraulic Volume requirements	5 to 6 GPM	5 to 8 GPM
Hydraulic Pressure Requirements	2,250 PSI	2,550 PSI

Specifications may vary depending on tractor model and are subject to change without notice. Tractors must be equipped with ROPS and seat belt that will provide greater safety.

BUCKET SPECIFICATIONS						
7620			8620			
Regular Duty	Heaped Capacity	Shipping Weight	Regular Duty	Heaped Capacity	Shipping Weight	
9" Bucket	.64 cu.ft.	46 lbs	12" Bucket	1.53 cu.ft.	82 lbs	
13" Bucket	1.04 cu.ft.	52 lbs	18" Bucket	2.47 cu.ft.	101 lbs	
16" Bucket	1.33 cu.ft.	57 lbs	24" Bucket	3.48 cu.ft.	117 lbs	
20" Bucket	1.74 cu.ft.	65 lbs	36" Bucket	5.50 cu.ft.	154 lbs	
24" Bucket	2.14 cu.ft.	78 lbs	40" Bucket	6.17 cu.ft.	170 lbs	
36" Bucket	3.444 cu.ft.	102 lbs	8620 - Heavy Duty			
			Regular Duty	Heaped Capacity	Shipping Weight	
			12" Bucket	1.74 cu.ft.	106 lbs	
			18" Bucket	2.68 cu.ft.	126 lbs	
			24" Bucket	3.71 cu.ft.	146 lbs	
			36" Bucket	5.76 cu.ft.	154 lbs	
			40" Bucket	6.41 cu.ft.	170 lbs	

NEW FEATURES	
7620	8620
<ul style="list-style-type: none"> This rugged backhoe is made even more solid by the subframe used to mount it to the Branson Tractors. New boom and dipper styling and a redesigned bucket profile create a more powerful, rugged, industrial backhoe appearance. Heavy duty buckets also available Increased bore and rod diameters of boom/dipper cylinders from 2" to 2 1/2" and 1" to 1 1/4" respectively, results in substantial power increase Lower placement of the control valve reduces valve noise and increases operator leg room and comfort Narrow tapered console (50% reduction in width), 88% more foot pad area, and more than 2.5 times usable operator platform area contribute to greater operator comfort Stabilizer pads pivot to follow contour of terrain and flip over for easy conversion between field/street operation Open walk-thru operator area and unique mount step provide easy access/egress Redesigned control lever mechanism permits lever forces to be reduced up to 40% Metered hydraulic spools provide precise operator control of backhoe movements and allow smoother acceleration and deceleration Upgraded hydraulic cylinder technology extends piston seal life Double acting swing cylinders are directly pinned to swing frame, doubling backfilling forces in the normal range of motion Digging and craning forces expanded: Bucket force...2,400 to 2,840 lbs. Dipper force...1,350 to 2,005 lbs. Craning capacity...357 to 540 lbs. 	<ul style="list-style-type: none"> New boom and dipper styling and a redesigned bucket profile create a more powerful, rugged, Industrial Backhoe appearance. Heavy duty buckets also available. Unique mount step and open walk-thru operator area provide easy access/egress Strategic placement of the control valve under the operator's platform reduces valve noise and increase operator leg comfort Narrow tapered console, 88% more foot pad area, and more than 2.5 times usable operator platform area contribute further to greater operator comfort Stabilizer pads pivot to follow contour of terrain and flip over for easy conversion between field/street operation Redesigned control lever mechanism permits lever forces to be reduced up to 40% Metered hydraulic cylinder technology extends piston seal life Double-acting swing cylinders are solidly trunion mounted to double backfilling forces in the normal range of motion Digging and craning forces expanded: Bucket force 3,450 to 3,750 lbs. Dipper force...2,250 to 2,435 lbs. Craning capacity...710 to 760 lbs.