

AUGER DRIVES

HIGH FLOW SKID STEER LOADER

4.5 - 8T (9,900lbs - 17,600lbs)



FEATURES

- Compact high torque Digga manufactured gearbox
- Digga designed Eaton motor with intergrated pressure relief valve eliminating the need for bulky valve blocks while reducing many potential leak points
- 2 Piece shaft design ensures maximum side load ratings without increasing load on bearings
- 5 year gear box and 3 year motor warranty / lifetime shaft pull-out warranty
- Over 30 years design and manufacturing experience
- Easily converted to a Screw Anchor Drive with the addition of our patented 'Anti Kickback Valve'



	SINGLE SPEED	
MODEL	5DDS	6DDS
Torque ft-lbs @ 3000 Psi	3,903	4,909
Max Torque ft-lbs @ 3500 Psi	4,553	5,728
Recommended Flow (Gpm)	14-36	14-36
Motor Type	EATON	EATON
Max Pressure - Do Not Exceed	3500PSI @ 36gpm	
Max Flow - Do Not Exceed	36gpm @ 3500psi	
Max Horse Power	67	67
Pressure Relief Valve	Included	Included
Standard Output Shaft	2.5" Hex	2.5" Hex
Recommended Auger	A6 / RC6	A6 / RC6
Max Auger Diameter Clay/shale**	24"	30"
Max Auger Diameter Earth**	40"	40"
Weight (lbs)	290	290
Overall Length (in)	33.7"	33.7"
Diameter (in)	11.4"	11.4"



OUTPUT SPEED & TORQUE

5DDS				6DDS			
OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE	
GPM	RPM	PSI	FT-LBS	GPM	RPM	PSI	FT-LBS
20	47	1,500	1,950	20	37	1,500	2,450
22	52	1,700	2,210	22	41	1,700	2,780
24	57	1,900	2,470	24	45	1,900	3,110
26	61	2,100	2,730	26	49	2,100	3,435
28	66	2,300	2,990	28	52	2,300	3,760
30	71	2,500	3,250	30	56	2,500	4,090
32	75	2,700	3,510	32	60	2,700	4,420
34	80	2,900	3,770	34	54	2,900	4,745
36	85	3,200	4,030	36	67	3,200	5,070
		3,300	4,290			3,300	5,400
		3,500	4,600			3,500	5,700

Output speed and torque specifications are THEORETICAL. Speed and torque output are dependent on the overall system efficiencies associated with the prime movers hydraulic system. This document should be used for information and comparative purposes only. When determining criteria, & application specific information is required, please contact DIGGA.

(*) Max/min drilling diameter (DIA) dependant on ground conditions. Guide is a recommendation only.

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2 SPEED DRIVES

	TWO SPEED	
MODEL	5DDT	6DDT
Torque ft-lbs @ 3000 Psi	4,067	5,012
Max Torque ft-lbs @ 3500 Psi	4,745	5,847
Recommended Flow (Gpm)	10-36	10-36
Motor Type	EATON	EATON
Max Pressure - Do Not Exceed	3500PSI @ 36gpm	
Max Flow - Do Not Exceed	36gpm @ 3500psi	
Max Horse Power	80	80
Pressure Relief Valve	Included	Included
Standard Output Shaft	2.5" Hex	2.5" Hex
Recommended Auger	A6 / RC6	A6 / RC6
Max Auger Diameter Clay/shale**	24"	30"
Max Auger Diameter Earth**	40"	40"
Weight (lbs)	350	350
Overall Length (in)	34.4"	34.4"
Diameter (in)	13.4"	13.4"



OUTPUT SPEED & TORQUE

5DDT						6DDT					
OUTPUT SPEED			OUTPUT TORQUE			OUTPUT SPEED			OUTPUT TORQUE		
GPM	HI TORQUE LOW SPEED	LO TORQUE HIGH SPEED	PSI	HI TORQUE LOW SPEED	LO TORQUE HIGH SPEED	GPM	HI TORQUE LOW SPEED	LO TORQUE HIGH SPEED	PSI	HI TORQUE LOW SPEED	LO TORQUE HIGH SPEED
10	23	34	1,000	1,356	895	10	18	28	1,000	1,671	1,103
20	45	69	1,500	2,034	1,342	20	37	56	1,500	2,506	1,654
30	68	103	2,000	2,711	1,790	30	55	83	2,000	3,341	2,205
36	81	123	2,500	3,389	2,237	36	66	100	2,500	4,177	2,757
			3,000	4,067	2,684				3,000	5,012	3,308
			3,500	4,745	3,132				3,500	5,847	3,859

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AUGERS TO SUIT 5DDS & 6DDS



FEATURES

- TRU-CUT – a 12" auger cuts a 12" hole, no more oversized holes!
- Over 30 years of auger design and manufacture has resulted in an extremely efficient cutting head design and optimum flight pitches to provide maximum soil removal in all ground conditions.
- Made in the USA
- Easy knock in and out teeth requires no special tools

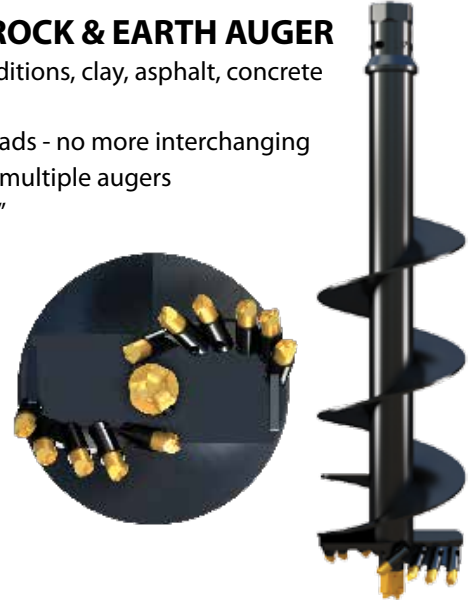
GENERAL PURPOSE AUGER

- Dig holes in earth conditions and clay
- Available Size, 6" to 60"
- 60" Overall length
- Earth and Tungsten Teeth Available



COMBINATION ROCK & EARTH AUGER

- Dig holes in earth conditions, clay, asphalt, concrete and fracturable rock
- All purpose cutting heads - no more interchanging cutting heads & using multiple augers
- Available Size, 6" to 60"
- 60" Overall length



SCREW ANCHOR APPLICATIONS

Digga's auger drives can be converted to screw anchor drives in 3 easy steps with the addition of our patented 'Anti Kickback Valve'. The valve controls the rapid decompression of oil which occurs during pile installation. A pile builds up rotational energy, somewhat like a rubber band on a wind up model plane. The pile momentarily kicks back, forcing energy back up the pile through the drive shaft to the gear box, through the hydraulic motor.

This action momentarily causes the motor to effectively turn into a high speed pump, potentially causing costly motor failure. Fitted to the drive manifold, the Anti Kickback Valve controls this release of energy.

Digga's 5 year gearbox and 3 year motor warranty does not allow to auger drives which are used for screw anchoring and not fitted with an Anti Kickback Valve.

EASY FITMENT OF THE OPTIONAL SWOOSH VALVE FOR SCREW ANCHORING APPLICATIONS

① Remove elbow fittings.

② Place washer spacers on the top valve ports of motor. Align valve block with spacers and top valve ports.

③ Screw in bolts through the valve block and top valve ports of motor.

