

AUGER DRIVES EXCAVATOR

9 - 12T (19,800lbs - 26,500lbs)

DIGGA

CONSTRUCTION GRADE
MACHINERY ATTACHMENTS

FEATURES

- Compact high torque Digga manufactured gearbox
- Digga designed Eaton motor with integrated 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	9DDS	12DDS
Torque ft-lbs @ 3000 Psi	7,811	9,893
Max Torque ft-lbs @ 3500 Psi	9,112	11,542
Recommended Flow (Gpm)	18-48	22-48
Motor Type	EATON	EATON
Max Pressure - Do Not Exceed	3500psi @ 29gpm	
Max Flow - Do Not Exceed	55gpm @ 1800psi	
Max Horse Power	60	60
Pressure Relief Valve	Included	Included
Standard Output Shaft	2.5" Hex	2.5" Hex
HALO (Auger Alignment)	Optional	Optional
Recommended Auger	A8 / RC8	A8 / RC8
Max Auger Diameter Clay/shale**	48"	36"
Max Auger Diameter Earth**	48"	48"
Weight (lbs)	350	350
Overall Length (in)	37.2"	37.2"
Diameter (in)	11.4"	11.4"



OUTPUT SPEED & TORQUE

9DDS				12DDS			
OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE	
GPM	RPM	PSI	FT-LBS	GPM	RPM	PSI	FT-LBS
18	21	1,500	3,905	22	20	1,500	4,947
22	26	1,700	4,426	26	24	1,700	5,606
26	31	1,900	4,947	30	28	1,900	6,266
30	35	2,100	5,467	34	32	2,100	6,925
34	40	2,300	5,988	38	35	2,300	7,585
38	45	2,500	6,509	42	39	2,500	8,244
42	49	2,700	7,029	46	43	2,700	8,904
46	54	2,900	7,550	48	45	2,900	9,564
48	57	3,200	8,071			3,200	10,223
		3,300	8,592			3,300	10,883
		3,500	9,112			3,500	11,542

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.

AUGERS TO SUIT 9DDS & 12DDS

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.

