2 SPEED AUGER DRIVES

DIGGA

SKID STEER LOADER - HIGH FLOW

2-SPEED AUGER DRIVES

Model	PDT4HF	PDT6HF
Rec Flow	40-120	40-150
Max Torque (Nm) @ 240 bar	4,673	5,758
Pressure Release Valve	Included	Included
Energy Control Valve	Optional	Optional
Max Pressure - Do not exceed	240 Bar @ 150 lpm	
Max Flow - Do not exceed	180 lpm @ 200 Bar	
Power - Do not exceed	60 Kw (80 hp)	
Overall Length (mm)	820	820
Diameter (mm)	340	340
Weight (kg) - No linkage & hitch	134	146
STD Output Shaft	75mm Square	75mm Square
Swing Control (SCS)	Optional	Optional
Diggalign (Auger Alignment)	Optional	Optional
HALO (Auger Alignment)	Optional	Optional
Recommended Auger Diameter		
Recommended Auger	A6/RC6/DR6	A6/RC6/DR6
Max Auger Dia Fracturable Rock*	750mm	900mm
Max Auger Dia Clay/Shale*	750mm	900mm
Max Auger Dia Earth*	1000mm	1200mm

ESSENTIALLY 2 DRIVE UNITS IN ONE

Save time and money by eliminating the need for multiple drive units.

LOW SPEED - HIGH TORQUE

Ideal for drilling with large diameter augers or hard fracturable rock.

HIGH SPEED - LOW TORQUE

Ideal for small diameter augers or softer soils where speed is needed.
Switch to high speed for added spin off speed for clearing larger diameter augers.

FEATURES

- Compact high torque Digga gearbox
- Fitted with high efficiency Eaton VIS motor
- Integrated PRV (Pressure Relief Valve)
- Extreme duty shaft locking system
- Low maintenance with 5 year gear box and 3 year motor warranty

HALO

5 YEAR GEARBOX WARRANTY

3 YEAR MOTOR WARRANTY

AUGERS TO SUIT

- TRU-CUT – a 300mm auger cuts a 300mm 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.
- Easy knock in and out teeth requires no special tools.

GENERAL PURPOSE AUGER

- Dig holes in earth conditions and clay
- 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

DEDICATED ROCK AUGER

- Rotating rock picks for shale and fracturable rock
- Heavy duty efficient cutting head for the ultimate rock drilling auger

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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OUTPUT SPEED

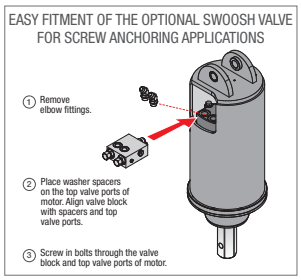
	PDT4HF		PDT6HF	
FLOW LPM	Hi Torque Low Speed	Low Torque High Speed	Hi Torque Low Speed	Low Torque High Speed
40	33	50	27	40
50	41	62	33	50
60	49	74	40	60
70	57	87	46	70
80	65	99	53	80
90	74	112	60	91
100	82	124	66	101
110	90	136	73	111
120	98	149	80	121
130			86	131
140			93	141
150			100	151

OUTPUT TORQUE

	PDT4HF		PDT6HF	
PRESSURE BAR	Hi Torque Nm	Low Torque Nm	Hi Torque Nm	Low Torque Nm
90	1,752	1,157	2,159	1,425
100	1,947	1,285	2,399	1,584
110	2,142	1,414	2,639	1,742
120	2,336	1,542	2,879	1,900
130	2,531	1,671	3,119	2,059
140	2,726	1,799	3,359	2,217
150	2,920	1,928	3,599	2,375
160	3,115	2,056	3,839	2,534
170	3,310	2,185	4,079	2,692
180	3,505	2,313	4,319	2,850
190	3,699	2,442	4,559	3,009
200	3,894	2,570	4,799	3,167
210	4,089	2,699	5,039	3,325
220	4,283	2,827	5,278	3,484
230	4,478	2,956	5,518	3,642
240	4,673	3,084	5,758	3,800

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 instilation. 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.



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