

PLANETARY ANCHOR DRIVES



Developed in conjunction with the leading Screw Anchor/Pile installers around the world. The only true Anchor Drives available, designed & manufactured inhouse by Digga, specifically for the rigours of the application. Host machine operates in the most efficient HP range, minimising wear & tear, optimising performance & ensure highest returns.

Features

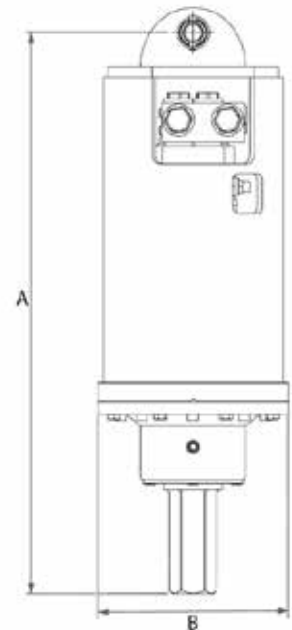
- High efficiency EATON/DIGGA bell geroler hydraulic motors with integrated Pressure Relief Valve, ensures max volumetric efficiency for consistent & efficient pile installation throughout the working day
- More linear feet in the ground = greater returns
- ECV (Energy Control Valve) to prevent rapid decompression of oil, caused by the reverse energy created by Pile Kick-back.
- Engineered hood & ears for maximum strength
- Extreme duty shaft retaining system
- No Case Drain required
- 5yr Gearbox & 3yr Motor Warranty

Need Torque from a lower pressure, no problems

Two pressure series are available to suit your requirements.

Standard pressure series, for machines with 3500 PSI

Low Pressure series, for machines with 3000 PSI



Specifications

	ANCHOR DRIVE STANDARD PRESSURE 3500 PSI SERIES		ANCHOR DRIVE LOW PRESSURE 3000 PSI SERIES	
	9ADS	12ADS	9ALS	12ALS
Nominal Torque (FT LBS)	9,100	11,500	9,900	12,500
Rec Flow *	30-48	30-48	30-48	30-48
Max Pressure **	3500	3500	3000	3000
Max Power (HP)***	60	60	60	60
PRV (Pressure Relief Valve)	Included	Included	Included	Included
ECV (Energy Control Valve)	Included	Included	Included	Included
Overall Length (A) inches	37.2"	37.2"	37.2"	37.2"
Diameter (B) inches	11.4"	11.4"	11.4"	11.4"
Weight lbs	351	351	351	351
Output Shaft	2.5" Hex	2.5" Hex	2.5" Hex	2.5" Hex



* Max Flow - Do not exceed 60gpm (230lpm) @ 1700psi (120 bar)

**Max Pressure - Do not exceed 3500psi (240bar) @ 29 gpm (145 lpm)

*** Max Power - Do not exceed 60HP (45Kw)



OUTPUT SPECIFICATIONS

ANCHOR DRIVE STANDARD PRESSURE SERIES

Torque Output (FT LBS) @3500 PSI (240 Bar)		
	9ADS	12ADS
Pressure PSI	Torque ft lbs	Torque ft lbs
1 000	2 604	3 298
1 200	3 124	3 957
1 400	3 645	4 617
1 600	4 166	5 276
1 800	4 686	5 936
2 000	5 207	6 596
2 200	5 728	7 255
2 400	6 248	7 915
2 600	6 769	8 574
2 800	7 290	9 234
3 000	7 811	9 893
3 200	8 331	10 553
3 300	8 592	10 883
3 500	9 112	11 542

Speed Output (RPM)		
	9ADS	12ADS
Flow GPM	Speed RPM	Speed RPM
8	9	7
12	14	11
16	19	15
20	24	19
24	28	22
28	33	26
32	38	30
36	42	33
40	47	37
44	52	41
48	57	45

ANCHOR DRIVE LOW PRESSURE SERIES

Torque Output (FT LBS) @3000 PSI (210 Bar)		
	9ALS	12ALS
Pressure PSI	Torque ft lbs	Torque ft lbs
1 000	3 298	4 148
1 200	3 957	4 978
1 400	4 617	5 808
1 600	5 276	6 637
1 800	5 936	7 467
2 000	6 596	8 296
2 200	7 255	9 126
2 400	7 915	9 956
2 600	8 574	10 785
2 800	9 234	11 615
3 000	9 893	12 445

Speed Output (RPM)		
	9ALS	12ALS
Flow GPM	Hi Torque Low Speed	Hi Torque Low Speed
8	7	6
12	11	9
16	15	12
20	19	15
24	22	18
28	26	21
32	30	24
36	33	27
40	37	30
44	41	33
48	45	35

OPTIONAL EXTRAS

- Ryno Piling cradle
- Drive Linkages
- Excavator Mounts/Hitch
- Diggalign - Pile/Auger Alignment system
- Torque Monitoring - Pressure Differential Gauge
- Diggalogic - Torque & System monitoring (avail Aug 2013)

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.