



THE FUTURE OF DRILLING

Digga's range of High Flow 2-Speed planetary drives offers a versatile and powerful solution for foundation boring, post hole drilling, screw piling, and utility applications. Proudly manufactured in Australia, these auger drives are engineered to perform across the diverse and challenging landscapes of global markets.

The innovative combination of components allows for smooth transitions between high torque and high speed, delivering unmatched versatility and efficiency across various tasks. Whether drilling through compacted soil or handling heavy-duty piling work, Digga drives are built to provide the reliability and peak performance that industry professionals trust worldwide.

Dual-speed functionality is like having two drive units in one:

High Speed: Perfect for less demanding tasks or smaller diameter augers, enabling faster operation and increased efficiency.

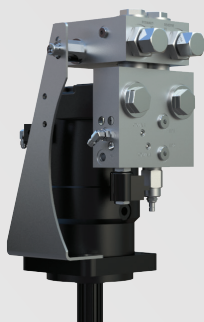
High Torque: Critical for heavy-duty operations or larger diameter augers, delivering the power needed to tackle challenging ground conditions.



INDUSTRY LEADING PERFORMANCE

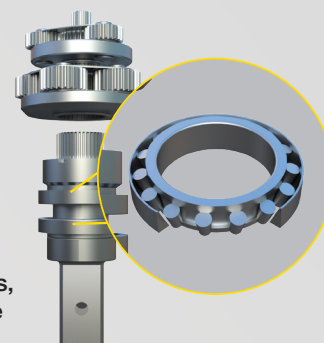
The high-performance, high efficiency radial piston motor enables the drive to handle up to 150kW of hydraulic power, delivering exceptional torque output and consistent performance under load.

Designed for durability and precision, this motor ensures reliable operation in the most demanding augering and screw piling applications.



ADVANCED TWO-PIECE SHAFT DESIGN

Digga's gearbox features a two-piece shaft design that isolates the shaft from the planetary carrier, protecting internal gears from pushing, pulling, and side loading forces generated by the host machine. Supported by oversized double tapered bearings, it efficiently handles axial and side loads. The shaft is backed by a lifetime pull-out warranty.



Digga gearboxes are built tough with a reputation for quality, dependability and over four decades of trusted performance. Our gearboxes are made from precision machined gears using high grade alloy steel, compact design with exceptional power to weight ratio that delivers outstanding performance, reliability and great return on investment.



**AUSTRALIAN
QUALITY**

The gearbox comes with the added peace of mind knowing they have the highest shaft pull out rating in the industry, with heavy duty, custom designed Digga manufactured lock nut.

VERSATILE: Two drives in one.

REPUTATION: A legacy of unwavering quality and reliability.

PERFORMANCE: Exceptional power to speed ratio.

2 PIECE SHAFT: Lifetime warranty on shaft pull out.

AUSTRALIAN MADE: Since 1981.



Model	PDT25	PDT30	PDT40	PDT50
Max Torque (Nm) @ 240 bar**	27,588	32,079	34,452	40,061
Recommended Flow (lpm)**	40-180	40-180	40-180	40-180
Motor Type	GEROLER			
Max Pressure - Do not exceed**	240 bar @ 150 lpm			
Max Flow - Do not exceed**	180 lpm @ 200 bar			
Max Continuous Power**	60 kW (80 hp)			
Pressure Relief Valve	Included			
Energy Control Valve	Optional			
Case Drain Required	Required			
Standard Output Shaft	100mm Sq	100mm Sq	100mm Sq	100mm Sq
Weight (kg)	308	309	309	309
Overall Length (mm)	1,217	1,217	1,217	1,217
Diameter (mm)	355	355	355	355
HALO Available	Included			
Recommended Auger	10 / 11 Series	10 / 11 Series	10 / 11 Series	10 / 11 Series
Max Auger Diameter Fracturable Rock*	1,200	1,200	1,500	1,500
Max Auger Diameter Clay/shale (mm)*	1,200	1,200	1,500	1,500
Max Auger Diameter Earth (mm)*	1,600	1,600	1,800	1,800

OUTPUT SPEED (RPM)

PDT25			PDT30			PDT40			PDT50		
Flow (LPM)	Low (RPM)	High (RPM)	Flow (LPM)	Low (RPM)	High (RPM)	Flow (LPM)	Low (RPM)	High (RPM)	Flow (LPM)	Low (RPM)	High (RPM)
40	8	13	40	7	10	40	5	7	40	4	6
50	10	16	50	8	13	50	6	9	50	5	7
60	13	19	60	10	15	60	7	10	60	6	9
70	15	22	70	12	18	70	8	12	70	7	10
80	17	25	80	14	20	80	9	14	80	8	12
90	19	28	90	15	23	90	10	15	90	9	13
100	21	32	100	17	26	100	11	17	100	10	15
110	23	35	110	19	28	110	12	19	110	11	16
120	25	38	120	20	31	120	14	21	120	12	18
130	27	41	130	22	33	130	15	22	130	13	19
140	29	44	140	24	36	140	16	24	140	14	21
150	31	47	150	25	38	150	17	26	150	15	22
160	33	51	160	27	41	160	18	27	160	16	24
170	35	54	170	29	44	170	19	29	170	17	25
180	38	57	180	30	46	180	20	31	180	18	27

OUTPUT TORQUE (NM)

PDT25			PDT30			PDT40			PDT50		
Pressure (Bar)	Low (Nm)	High (Nm)	Pressure (Bar)	Low (Nm)	High (Nm)	Pressure (Bar)	Low (Nm)	High (Nm)	Pressure (Bar)	Low (Nm)	High (Nm)
90	10,286	6,868	90	11,961	7,986	90	13,781	9,199	90	14,880	9,932
100	11,429	7,631	100	13,290	8,874	100	14,765	9,856	100	17,169	11,460
110	12,572	8,394	110	14,619	9,761	110	15,750	10,513	110	18,314	12,224
120	13,715	9,157	120	15,948	10,648	120	16,734	11,170	120	19,458	12,988
130	14,858	9,921	130	17,277	11,536	130	18,703	12,484	130	21,474	14,516
140	16,001	10,684	140	18,606	12,423	140	19,687	13,141	140	22,892	15,280
150	17,144	11,447	150	19,953	13,310	150	21,656	14,455	150	25,181	16,808
160	18,287	12,210	160	21,264	14,198	160	22,640	15,112	160	26,326	17,572
170	19,430	12,973	170	22,593	15,085	170	24,609	16,426	170	28,615	19,100
180	20,573	13,736	180	23,922	15,972	180	25,593	17,083	180	29,759	19,864
190	21,716	14,499	190	25,251	16,860	190	26,577	18,398	190	32,049	21,392
200	22,858	15,262	200	26,580	17,747	200	28,546	19,055	200	33,193	22,156
210	24,001	16,026	210	27,909	18,634	210	29,531	19,712	210	34,338	22,921
220	25,144	16,789	220	29,238	19,522	220	31,499	21,026	220	36,627	24,449
230	26,287	17,552	230	30,567	20,409	230	32,484	21,683	230	37,772	25,213
240	27,581	18,416	240	32,071	21,414	240	34,452	22,997	240	40,061	26,741

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.

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