

2 SPEED AUGER DRIVES

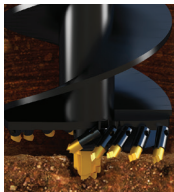


EXCAVATOR 20T-50T

2-SPEED AUGER DRIVES

AUGERS TO SUIT

- TRU-CUT – a 300mm auger cuts a 300mm hole. No 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.



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

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



Model	PDT25	PDT30	PDT40	PDT50
Rec Flow	40-180 lpm	40-180 lpm	40-180 lpm	40-180 lpm
Max Torque (Nm) @ 240 bar	27,373	31,829	33,733	39,224
Pressure Release Valve	Included	Included	Included	Included
Energy Control Valve	Optional	Optional	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)	1217	1217	1217	1217
Diameter (mm)	355	355	355	355
Weight (kg) - No linkage & hitch	400	400	400	400
STD Output Shaft	100mm Square	100mm Square	100mm Square	100mm Square
Swing Control (SCS)	Optional	Optional	Optional	Optional
Diggalign (Auger Alignment)	Optional	Optional	Optional	Optional
HALO (Auger Alignment)	Optional	Optional	Optional	Optional
Recommended Auger Diameter				
Recommended Auger	RC10/RC11/ DR11	RC10/RC11/ DR11	RC10/RC11/ DR11	RC10/RC11/ DR11
Max Auger Dia Fracturable Rock*	1500mm	1500mm	1500mm	1500mm
Max Auger Dia Clay/Shale*	1500mm	1500mm	1500mm	1500mm
Max Auger Dia Earth*	1600mm	1600mm	1800mm	1800mm

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.

v1.02

EXCAVATOR 20T-50T

OUTPUT SPEED

Model	PDT25		PDT30		PDT40		PDT50	
	Hi Torque Low Speed	Low Torque High Speed	Hi Torque Low Speed	Low Torque High Speed	Hi Torque Low Speed	Low Torque High Speed	Hi Torque Low Speed	Low Torque High Speed
40	6	8	5	7	5	7	4	6
50	7	11	6	9	6	9	5	7
60	8	13	7	11	7	10	6	9
70	10	15	8	13	8	12	7	10
80	11	17	10	15	9	14	8	12
90	13	19	11	16	10	15	9	13
100	14	21	12	18	11	17	10	15
110	15	23	13	20	12	19	11	16
120	17	25	14	22	14	21	12	18
130	18	27	16	24	15	22	13	19
140	20	30	17	25	16	24	14	21
150	21	32	18	27	17	26	15	22
160	22	34	19	29	18	27	16	24
170	24	36	20	31	19	29	17	25
180	25	38	22	33	20	31	18	27

OUTPUT TORQUE

Model	PDT25		PDT30		PDT40		PDT50	
	Hi Torque Nm	Low Torque Nm	Hi Torque Nm	Low Torque Nm	Hi Torque Nm	Low Torque Nm	Hi Torque Nm	Low Torque Nm
90	10,265	6,775	11,936	7,878	12,650	8,349	14,709	9,708
100	11,405	7,528	13,262	8,753	14,055	9,276	16,343	10,787
110	12,546	8,280	14,588	9,628	15,461	10,204	17,978	11,865
120	13,687	9,033	15,915	10,504	16,866	11,132	19,612	12,944
130	14,827	9,786	17,241	11,379	18,272	12,059	21,246	14,023
140	15,968	10,539	18,567	12,254	19,677	12,987	22,881	15,101
150	17,108	11,291	19,893	13,130	21,083	13,915	24,515	16,180
160	18,249	12,044	21,219	14,005	22,488	14,842	26,149	17,258
170	19,389	12,797	22,546	14,880	23,894	15,770	27,784	18,337
180	20,530	13,550	23,872	15,755	25,299	16,698	29,418	19,416
190	21,670	14,302	25,198	16,631	26,705	17,625	31,052	20,494
200	22,811	15,055	26,524	17,506	28,110	18,553	32,687	21,573
210	23,951	15,808	27,851	18,381	29,516	19,481	34,321	22,652
220	25,092	16,561	29,177	19,257	30,921	20,408	35,955	23,730
230	26,233	17,313	30,503	20,132	32,327	21,336	37,590	24,809
240	27,373	18,066	31,829	21,007	33,733	22,263	39,224	25,888

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.