

MICRO EXCAVATOR 750KG-2T



Features

- High quality EATON / DIGGA Bell motor
- Highly efficient design, less moving parts, increased efficiency
- Compact, powerful Digga planetary gearbox
- Drive can go down the hole for greater digging depth
- 2 Piece shaft, lifetime pullout warranty
- Low maintenance with industry leading warranty

MODEL	PDD	PDX2	PDX3
Min Rec Flow	15 lpm	30 lpm	30 lpm
Max Rec Flow	45 lpm	50 lpm	55 lpm
Max Torque (Nm) @ 240 bar	1,171	2,307	2,831
Pressure Valve Fitted	Optional	Optional	Optional
Max Pressure - Do not exceed	240 Bar @ 60 lpm		
Max Flow - Do not exceed	95 lpm @ 160 Bar	95 lpm @ 155 Bar	
Power - Do not exceed	Do not exceed 25 Kw (34HP)		
Overall Length (mm)	500	557	579
Diameter (mm)	187	187	187
Weight (kg) - No linkage & hitch	41	45	45
STD Output Shaft	65mm Round	65mm Round	65mm Round
Swing Control (SCS)	NA	NA	NA
Diggalign (Auger Alignment)	NA	NA	NA
RECOMMENDED AUGER DIAMETER			
Recommended Auger	A4/RC4	A4/RC4	A4/RC4
Max Auger Dia Clay/Shale*	400mm	450mm	450mm
Max Auger Dia Earth*	500mm	600mm	600mm

OUTPUT SPEED AND TORQUE

PDD				PDX2				PDX3			
OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE	
LPM	RPM	BAR	NM	LPM	RPM	BAR	NM	LPM	RPM	BAR	NM
15	49	120	585	30	50	120	1,154	30	41	120	1,415
20	65	140	683	35	58	140	1,346	35	47	140	1,651
25	82	160	780	40	66	160	1,538	40	54	160	1,887
30	98	180	878	45	75	180	1,731	45	61	180	2,123
35	114	200	975	50	83	200	1,923	50	68	200	2,359
40	131	220	1,073			220	2,115	55	74	220	2,595
45	147	240	1,171			240	2,307			240	2,831

AUGER DRIVES

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MINI EXCAVATOR 2T - 5T



Features

- High quality EATON/DIGGA Bell motor
- Highly efficient design, less moving parts, increased efficiency
- Compact, powerful Digga planetary gearbox
- Drive can go down the hole for greater digging depth
- 2 Piece shaft, lifetime pullout warranty
- Low maintenance with industry leading warranty

MODEL	PDX2	PDX3	PD3	PD4	PD5	PD6
Min Rec Flow	30 lpm	30 lpm	45 lpm	55 lpm	60 lpm	70 lpm
Max Rec Flow	50 lpm	55 lpm	75 lpm	85 lpm	95 lpm	115 lpm
Max Torque (Nm) @ 240 bar	2,307	2,831	3,544	4,448	5,151	5,596
Pressure Valve Fitted	Optional	Optional	Optional	Optional	Optional	Optional
Max Pressure - Do not exceed	240 Bar @ 60 lpm					
Max Flow - Do not exceed	115 lpm @ 130 Bar					
Power - Do not exceed	25 Kw (34HP)					
Overall Length (mm)	557	579	579	579	579	730
Diameter (mm)	187	187	240	240	240	240
Weight (kg) - No linkage & hitch	45	45	57	58	67	89
STD Output Shaft	65mm Round	65mm Round	65mm Round	75mm Square	75mm Square	75mm Square
Swing Control (SCS)	NA	NA	Optional	Optional	Optional	Optional
Diggalign (Auger Alignment)	NA	NA	Optional	Optional	Optional	Optional
HALO (Auger Alignment)	NA	NA	Optional	Optional	Optional	Optional
RECOMMENDED AUGER DIAMETER						
Recommended Auger	A4/RC4	A4/RC4	A4/RC4	A4/RC4	A6/RC6	A6/RC6
Max Auger Dia Clay/Shale*	450mm	450mm	600mm	750mm	900mm	900mm
Max Auger Dia Earth*	600mm	600mm	750mm	900mm	1000mm	1000mm

OUTPUT SPEED AND TORQUE

PDX2				PDX3				PD3			
OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE	
LPM	RPM	BAR	NM	LPM	RPM	BAR	NM	LPM	RPM	BAR	NM
30	50	120	1,154	30	41	120	1,415	45	49	120	1,772
35	58	140	1,346	35	47	140	1,651	50	54	140	2,068
40	66	160	1,538	40	54	160	1,887	55	59	160	2,363
45	75	180	1,731	45	61	180	2,123	60	65	180	2,658
50	83	200	1,923	50	68	200	2,359	65	70	200	2,954
		220	2,115	55	74	220	2,595	70	75	220	3,249
		240	2,307			240	2,831	75	81	240	3,544

PD4				PD5				PD6			
OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE	
LPM	RPM	BAR	NM	LPM	RPM	BAR	NM	LPM	RPM	BAR	NM
55	47	120	2,224	60	45	120	2,575	70	48	120	2,798
60	52	140	2,595	65	48	140	3,005	75	51	140	3,265
65	56	160	2,966	70	52	160	3,434	80	55	160	3,731
70	60	180	3,336	75	56	180	3,863	85	58	180	4,197
75	64	200	3,707	80	59	200	4,292	90	61	200	4,664
80	69	220	4,078	85	63	220	4,721	95	65	220	5,130
85	73	240	4,448	90	67	240	5,151	100	68	240	5,596
				95	70			105	72		
								110	75		
								115	79		

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.

EXCAVATOR/BACKHOE 5T - 10T



Features

- High quality EATON/DIGGA Bell motor
- Highly efficient design, less moving parts, increased efficiency
- Compact, powerful Digga planetary gearbox
- Drive can go down the hole for greater digging depth
- 2 Piece shaft, lifetime pullout warranty
- Low maintenance with industry leading warranty

MODEL	PD4	PD5	PD6	PD7	PD8	PD10
Min Rec Flow	55 lpm	60 lpm	70 lpm	75 lpm	80 lpm	85 lpm
Max Rec Flow	85 lpm	95 lpm	115 lpm	115 lpm	115 lpm	115 lpm
Max Torque (Nm) @ 240 bar	4,448	5,151	5,596	6,040	7,024	8,487
Pressure Valve Fitted	Optional	Optional	Optional	Optional	Optional	Optional
Max Pressure - Do not exceed	240 Bar @ 60 lpm					
Max Flow - Do not exceed	115 lpm @ 130 Bar					
Power - Do not exceed	25 Kw (34HP)					
Overall Length (mm)	579	579	730	734	854	854
Diameter (mm)	240	240	240	240	290	290
Weight (kg) - No linkage & hitch	58	67	89	90	107	110
STD Output Shaft	75mm Square	75mm Square	75mm Square	75mm Square	75mm Square	75mm Square
Swing Control (SCS)	Optional	Optional	Optional	Optional	Optional	Optional
Diggaalign (Auger Alignment)	Optional	Optional	Optional	Optional	Optional	Optional
HALO (Auger Alignment)	Optional	Optional	Optional	Optional	NA	NA
RECOMMENDED AUGER DIAMETER						
Recommended Auger	A4/RC4	A6/RC6	A6/RC6	A6/RC6	A6/RC6	A6/RC6
Max Auger Dia Clay/Shale*	750mm	900mm	900mm	900mm	1000mm	1000mm
Max Auger Dia Earth*	900mm	1000mm	1000mm	1000mm	1200mm	1500mm

OUTPUT SPEED AND TORQUE

PD4				PD5				PD6			
OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE	
LPM	RPM	BAR	NM	LPM	RPM	BAR	NM	LPM	RPM	BAR	NM
55	47	120	2,224	60	45	120	2,575	70	48	120	2,798
60	52	140	2,595	65	48	140	3,005	75	51	140	3,265
65	56	160	2,966	70	52	160	3,434	80	55	160	3,731
70	60	180	3,336	75	56	180	3,863	85	58	180	4,197
75	64	200	3,707	80	59	200	4,292	90	61	200	4,664
80	69	220	4,078	85	63	220	4,721	95	65	220	5,130
85	73	240	4,448	90	67	240	5,151	100	68	240	5,596
				95	70			105	72		
								110	75		
								115	79		

PD7				PD8				PD10			
OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE	
LPM	RPM	BAR	NM	LPM	RPM	BAR	NM	LPM	RPM	BAR	NM
75	47	120	3,020	80	44	120	3,512	85	38	120	4,243
80	51	140	3,523	85	46	140	4,097	90	41	140	4,951
85	54	160	4,027	90	49	160	4,682	95	43	160	5,658
90	57	180	4,530	95	52	180	5,268	100	45	180	6,365
95	60	200	5,034	100	54	200	5,853	105	47	200	7,072
100	63	220	5,537	105	57	220	6,438	110	50	220	7,780
105	66	240	6,040	110	60	240	7,024	115	52	240	8,487
110	70			115	63						
115	73										

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.

AUGER DRIVES

EXCAVATOR 10T - 20T



Features

- High quality EATON/DIGGA Bell motor
- Highly efficient design, less moving parts, increased efficiency
- Compact, powerful Digga planetary gearbox
- Drive can go down the hole for greater digging depth
- 2 Piece shaft, lifetime pullout warranty
- Low maintenance with industry leading warranty

MODEL	PD12	PD15	PD18	PD22	PD25
Min Rec Flow	120 lpm	120 lpm	120 lpm	120 lpm	120 lpm
Max Rec Flow	230 lpm	230 lpm	230 lpm	230 lpm	230 lpm
Max Torque (Nm) @ 240 bar	11,268	13,897	17,603	22,142	26,267
Pressure Valve Fitted	Included	Included	Included	Included	Included
Max Pressure - Do not exceed	240 Bar @ 130 lpm				
Max Flow - Do not exceed	230 lpm @ 130 Bar	210 lpm @ 145 Bar	230 lpm @ 130 Bar		
Power - Do not exceed	50 Kw (67 HP)				
Overall Length (mm)	950	1006	1006	1006	1152
Diameter (mm)	290	290	290	290	355
Weight (kg) - No linkage & hitch	149	176	176	176	300
STD Output Shaft	75mm Square	75mm Square	75mm Square	75mm Square	100mm Square
Swing Control (SCS)	Optional	Optional	Optional	Optional	Optional
Diggaalign (Auger Alignment)	Optional	Optional	Optional	Optional	Optional
RECOMMENDED AUGER DIAMETER					
Recommended Auger	A8/RC8	A8/RC8	A8/RC8	A8/RC8	RC10/RC11
Max Auger Dia Clay/Shale*	1200mm	1200mm	1500mm	1500mm	1500mm
Max Auger Dia Earth*	1600mm	1600mm	1600mm	1600mm	1800mm

OUTPUT SPEED AND TORQUE

PD12				PD15				PD18				PD22				PD25			
OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE	
LPM	RPM	BAR	NM	LPM	RPM	BAR	NM	LPM	RPM	BAR	NM	LPM	RPM	BAR	NM	LPM	RPM	BAR	NM
120	41	120	5,634	120	33	120	6,948	120	26	120	8,801	120	21	120	11,071	120	17	120	13,134
130	44	140	6,573	130	36	140	8,107	130	28	140	10,268	130	22	140	12,916	130	19	140	15,322
140	47	160	7,512	140	39	160	9,265	140	30	160	11,735	140	24	160	14,762	140	20	160	17,511
150	51	180	8,451	150	41	180	10,423	150	33	180	13,202	150	26	180	16,607	150	22	180	19,700
160	54	200	9,390	160	44	200	11,581	160	35	200	14,669	160	28	200	18,452	160	23	200	21,889
170	58	220	10,329	170	47	220	12,739	170	37	220	16,136	170	29	220	20,297	170	25	220	24,078
180	61	240	11,268	180	50	240	13,897	180	39	240	17,603	180	31	240	22,142	180	26	240	26,267
190	64			190	52			190	41			190	33			190	28		
200	68			200	55			200	43			200	35			200	29		
210	71			210	58			210	46			210	36			210	31		
220	75			220	61			220	48			220	38			220	32		
230	78			230	63			230	50			230	40			230	33		

AUGER DRIVES

EXCAVATORS - 20T-50T



Features

- High quality EATON/DIGGA Bell motor
- Highly efficient design, less moving parts, increased efficiency
- Compact, powerful Digga planetary gearbox
- Drive can go down the hole for greater digging depth
- 2 Piece shaft, lifetime pullout warranty
- Low maintenance with industry leading warranty

MODEL	PD25	PD30	PD40	PD50
Min Rec Flow	120 lpm	120 lpm	120 lpm	120 lpm
Max Rec Flow	230 lpm	230 lpm	230 lpm	230 lpm
Max Torque (Nm) @ 240 bar	26,267	30,543	33,041	38,420
Pressure Valve Fitted	Included	Included	Included	Included
Max Pressure - Do not exceed	240 Bar @ 130 lpm			
Max Flow - Do not exceed	230 lpm @ 130 Bar			
Power - Do not exceed	50 Kw (67 HP)			
Overall Length (mm)	1152	1152	1152	1152
Diameter (mm)	355	355	355	355
Weight (kg) - No linkage & hitch	300	300	300	300
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
RECOMMENDED AUGER DIAMETER				
Recommended Auger	RC10/RC11	RC10/RC11	RC10/RC11	RC10/RC11
Max Auger Dia Clay/Shale*	1200mm	1200mm	1500mm	1500mm
Max Auger Dia Earth*	1600mm	1600mm	1800mm	1800mm

OUTPUT SPEED AND TORQUE

PD25				PD30				PD40				PD50			
OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE	
LPM	RPM	BAR	NM	LPM	RPM	BAR	NM	LPM	RPM	BAR	NM	LPM	RPM	BAR	NM
120	17	120	13,134	120	15	120	15,272	120	14	120	16,521	120	12	120	19,210
130	19	140	15,322	130	16	140	17,817	130	15	140	19,274	130	13	140	22,412
140	20	160	17,511	140	18	160	20,362	140	16	160	22,028	140	14	160	25,613
150	22	180	19,700	150	19	180	22,907	150	17	180	24,781	150	15	180	28,815
160	23	200	21,889	160	20	200	25,453	160	19	200	27,534	160	16	200	32,017
170	25	220	24,078	170	21	220	27,998	170	20	220	30,288	170	17	220	35,218
180	26	240	26,267	180	23	240	30,543	180	21	240	33,041	180	18	240	38,420
190	28			190	24			190	22			190	19		
200	29			200	25			200	23			200	20		
210	31			210	26			210	24			210	21		
220	32			220	28			220	25			220	22		
230	33			230	29			230	27			230	23		

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.