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BODINE ELECTRIC COMPANY

Bodine Electric Filtered DC Controls
Selection Table FPM & WPM

System Performance when using Bodine 130V PM Motors with Filtered Controls

Motor/Gearmotor Specifications							Matching Control Model Numbers							
		Model Number					Encased					Chassis		
							Basic						PWM	
Speed Range(rpm)	Cont. Torque (lb-in.)	Accessory Shaft	No Accessory Shaft	Product Type Shaft	Nameplate Rating	Ref. Page (HP)	SCR	PWM	Direction + Braking	Analog Signal	Digital Signal	SCR	Quick Connect Tabs	Term. Block
MOTORS WITHOUT GEAR REDUCERS														
40 - 2500	0.5	N4439	N0039	24A0BEPM	1/50	33	0815	0790	0818	0816	N0817	0810	0780	0783
50 - 2500	0.88	N4441	0041	24A2BEPM	1/29	33	0815	0790	0818	0816	N0817	0810	0780	0783
50 - 2500	1.5	0047	0043	24A4BEPM	1/17	33	0815	0790	0818	0816	N0817	0810	0780	0783
60 - 2500	2.1	N6416	6016	33A3BEPM	1/12	34	0835	0790,0791	0838	0816	N0837	0830	0780,0781	0783,0784
60 - 2500	3.1	6420	6020	33A5BEPM	1/8	34	0835	0790,0791	0838	0816	N0837	0830	0780,0781	0783,0784
60 - 2500	6.3	4435	4035	42A5BEPM	1/4	35	0855	0791	0858	0816	N0857	0850	0781	0784
60 - 2500	8.4	N4437	4037	42A7BEPM	1/3	35	0855	0791	0858	0816	N0857	0850	0781	0784
60 - 2500	9.4	N4430	4031	42A5BEPM	1/3	35	--	0791	--	--	--	--	0781	0784
60 - 2500	11.2	N4432	4033	42A7BEPM	1/2	35	--	0791	--	--	--	--	0781	0784
PARALLEL SHAFT GEARMOTORS														
-0.11 - 5.6	40	N4499	0199	24A2BEPM-D5	1/29	36	0815	0790	0818	0816	N0817	0810	0780	0783
0.17 - 8.3	40	N4498	0198	24A2BEPM-D5	1/29	36	0815	0790	0818	0816	N0817	0810	0780	0783
0.28 - 14	40	N4497	0197	24A2BEPM-D4	1/29	36	0815	0790	0818	0816	N0817	0810	0780	0783
0.56 - 28	40	N4496	0196	24A2BEPM-D4	1/29	36	0815	0790	0818	0816	N0817	0810	0780	0783
0.83 - 42	36	N4495	0195	24A2BEPM-D3	1/29	36	0815	0790	0818	0816	N0817	0810	0780	0783
1.7 -83	18	N4494	0194	24A2BEPM-D3	1/29	36	0815	0790	0818	0816	N0817	0810	0780	0783
2.8 - 139	11	N4493	0193	24A2BEPM-D3	1/29	36	0815	0790	0818	0816	N0817	0810	0780	0783
4.2 -208	7.1	N4492	0192	24A2BEPM-D3	1/29	36	0815	0790	0818	0816	N0817	0810	0780	0783
8.3 - 417	3.3	N4491	0191	24A2BEPM-D3	1/29	36	0815	0790	0818	0816	N0817	0810	0780	0783
0.22 - 14	100	N4563	0163	24A4BEPM-Z4	1/17	37	0815	0790	0818	0816	N0817	0810	0780	0783
0.44 - 28	92	N4562	0162	24A4BEPM-Z4	1/17	37	0815	0790	0818	0816	N0817	0810	0780	0783
0.67 - 42	40	--	0190	24A4BEPM-D3	1/17	36	0815	0790	0818	0816	N0817	0810	0780	0783
0.67 - 42	65	N4561	0161	24A4BEPM-Z3	1/17	37	0815	0790	0818	0816	N0817	0810	0780	0783
1.3 - 83	29	--	0189	24A4BEPM-D3	1/17	36	0815	0790	0818	0816	N0817	0810	0780	0783
1.3 - 83	33	N4560	0160	24A4BEPM-Z3	1/17	37	0815	0790	0818	0816	N0817	0810	0780	0783
2.2 - 139	17	--	0188	24A4BEPM-D3	1/17	36	0815	0790	0818	0816	N0817	0810	0780	0783
2.2 - 139	21	N4559	0159	24A4BEPM-Z2	1/17	37	0815	0790	0818	0816	N0817	0810	0780	0783
3.3 - 208	12	--	0187	24A4BEPM-D3	1/17	36	0815	0790	0818	0816	N0817	0810	0780	0783
3.3 - 208	14	N4558	0158	24A4BEPM-Z2	1/17	37	0815	0790	0818	0816	N0817	0810	0780	0783
6.7 - 417	5.4	--	0186	24A4BEPM-D3	1/17	36	0815	0790	0818	0816	N0817	0810	0780	0783
6.7 - 417	7	N4557	0157	24A4BEPM-Z2	1/17	37	0815	0790	0818	0816	N0817	0810	0780	0783
0.19 - 8	175	N6547	6147	33A3BEPM-W4	1/12	39	0835	0790,0791	0838	0836	N0837	0830	0780,0781	0783,0784
0.35 - 15	166	N6546	6146	33A3BEPM-W4	1/12	39	0835	0790,0791	0838	0836	N0837	0830	0780,0781	0783,0784
				33A3BEPM-										

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1 - 42	95	N6569	6169	Z3	1/12	38	0835	0790,0791	0838	0836	N0837	0830	0780,0781	0783,0784
2 - 83	47	N6568	6168	33A3BEPM-Z3	1/12	38	0835	0790,0791	0838	0836	N0837	0830	0780,0781	0783,0784
3.3 -139	31	N6567	6167	33A3BEPM-Z2	1/12	36	0835	0790,0791	0838	0836	N0837	0830	0780,0781	0783,0784
5 - 208	20	6566	6166	33A3BEPM-Z2	1/12	38	0835	0790,0791	0838	0836	N0837	0830	0780,0781	0783,0784
10 -417	10	N6565	6165	33A3BEPM-Z2	1/12	36	0835	0790,0791	0838	0836	N0837	0830	0780,0781	0783,0784
0.2 - 8.3	310	N4575	4175	42A3BEPM-E4	1/8	36	0835	0790,0791	0838	0836	N0837	0830	0780,0781	0783,0784
0.33 - 14	341	N4574	4174	42A3BEPM-E4	1/8	36	0835	0790,0791	0838	0836	N0837	0830	0780,0781	0783,0784
0.5 - 21	283	N4573	4173	42A3BEPM-E4	1/8	36	0835	0790,0791	0838	0836	N0837	0830	0780,0781	0783,0784
0.62 - 26	155	N46556	6156	33A5BEPM-W4	1/8	36	0835	0790,0791	0838	0836	N0837	0830	0780,0781	0783,0784
0.92 - 38	143	6555	6155	33A5BEPM-W3	1/8	36	0835	0790,0791	0838	0836	N0837	0830	0780,0781	0783,0784
1.4 - 57	96	N6554	6154	33A5BEPM-W3	1/8	36	0835	0790,0791	0838	0836	N0837	0830	0780,0781	0783,0784
2 - 84	65	N6553	6153	33A5BEPM-W3	1/8	36	0835	0790,0791	0838	0836	N0837	0830	0780,0781	0783,0784
2.9 - 123	46	6552	6152	33A5BEPM-W2	1/8	36	0835	0790,0791	0838	0836	N0837	0830	0780,0781	0783,0784
4.3 - 181	31	N6551	6151	33A5BEPM-W2	1/8	36	0835	0790,0791	0838	0836	N0837	0830	0780,0781	0783,0784
6.4 - 266	21	6550	6150	33A5BEPM-W2	1/8	36	0835	0790,0791	0838	0836	N0837	0830	0780,0781	0783,0784
11 - 456	12	N6549	6149	33A5BEPM-W2	1/8	36	0835	0790,0791	0838	0836	N0857	0850	0781	0784
16 - 660	6	N6548	6148	33A5BEPM-W2	1/4	40	0855	0791	0858	0816	N0857	0850	0781	0784
1 - 42	270	4585	4185	42A5BEPM-E3	1/4	40	0855	0791	0858	0816	N0857	0850	0781	0784
1.5 - 62	180	N4576	4184	42A5BEPM-E3	1/4	40	0855	0791	0858	0816	N0857	0850	0781	0784
2 - 83	135	4583	4183	42A5BEPM-E3	1/4	40	0855	0791	0858	0816	N0857	0850	0781	0784
3 - 125	90	N4582	4182	42A5BEPM-E3	1/4	40	0855	0791	0858	0816	N0857	0850	0781	0784
4 -165	68	N4581	4181	42A5BEPM-E2	1/4	40	0855	0791	0858	0816	N0857	0850	0781	0784
6 -250	45	4580	4180	42A5BEPM-E2	1/4	40	0855	0791	0858	0816	N0857	0850	0781	0784
12 -500	25	N4579	4179	42A5BEPM-E1	1/4	40	0855	0791	0858	0816	N0857	0850	0781	0784
1.5 - 62	220	N4584	4193	42A7BEPM-F3	1/3	40	0855	0791	0858	0816	N0857	0850	0781	0784
6 - 250	72	N4578	4190	42A7BEPM-F2	1/3	40	0855	0791	0858	0816	N0857	0850	0781	0784
RIGHT ANGLE GEARMOTORS														
0.67 - 42	22	N4099	0099	24A4BEPM-3F	1/17	41	0815	0790	0818	0816	N0817	0810	0780	0783
1 - 63	19	N4098	0098	24A4BEPM-3F	1/17	41	0815	0790	0818	0816	N0817	0810	0780	0783
2 - 125	16	N4096	0096	24A4BEPM-3F	1/17	41	0815	0790	0818	0816	N0817	0810	0780	0783
4 - 250	10	N4094	0094	24A4BEPM-3F	1/17	41	0815	0790	0818	0816	N0817	0810	0780	0783
8 - 500	5.2	N4093	0093	24A4BEPM-3F	1/17	41	0815	0790	0818	0816	N0817	0810	0780	0783
1.5 - 62	55	6544	6144	33A5BEPM-5F	1/8	42	0835	0790-0791	0838	0836	N0837	0830	0780,0781	0783,0784
3 - 125	36	6542	6142	33A5BEPM-5F	1/8	42	0835	0790-0791	0838	0836	N0837	0830	0780,0781	0783,0784
6 - 250	21	N6541	6141	33A5BEPM-5F	1/8	42	0835	0790-0791	0838	0836	N0837	0830	0780,0781	0783,0784
12 - 500	11	N6540	6140	33A5BEPM-5F	1/8	42	0835	0790-0791	0838	0836	N0857	0850	0781	0784
0.2 - 8.6	380	N4466	4066	42A5BEPM-GB	1/4	45	0855	0791	0858	0856	N0817	0850	0781	0784
0.3 - 13	375	N4464	4064	42A5BEPM-GB	1/4	45	0855	0791	0858	0856	N0817	0850	0781	0784
0.5 - 21	290	N4462	4062	42A5BEPM-GB	1/4	45	0855	0791	0858	0856	N0817	0850	0781	0784
1 - 42	213	N4460	4060	42A5BEPM-GB	1/4	45	0855	0791	0858	0856	N0817	0850	0781	0784
1.5 - 62	79	N4538	4138	42A5BEPM-5N	1/4	43	0855	0791	0858	0856	N0817	0850	0781	0784
2 - 83	75	N4537	4137	42A5BEPM-5N	1/4	43	0855	0791	0858	0856	N0817	0850	0781	0784
3 - 125	75	N4536	4136	42A5BEPM-5N	1/4	43	0855	0791	0858	0856	N0817	0850	0781	0784
6 -250	42	4535	4135	42A5BEPM-5N	1/4	43	0855	0791	0858	0856	N0817	0850	0781	0784
12 - 500	24	N4535	4134	42A5BEPM-5N	1/4	43	0855	0791	0858	0856	N0817	0850	0781	0784

1.3 -52	189	N4599	4199	42A7BEPM-5H	1/3	44	0855	0791	0858	0856	N0817	0850	0781	0784
1.7 -69	151	N4598	4198	42A7BEPM-5H	1/3	44	0855	0791	0858	0856	N0817	0850	0781	0784
3.3 - 139	87	N4596	4196	42A7BEPM-5H	1/3	44	0855	0791	0858	0856	N0817	0850	0781	0784
6 - 250	52	4594	4194	42A7BEPM-5H	1/3	44	0855	0791	0858	0856	N0817	0850	0781	0784
1.3 - 52	264	N4503	4103	42A7BEPM-5H	1/2	44	--	0791	--	--	--	--	0781	0784
1.7 - 69	218	N4502	4102	42A7BEPM-5H	1/2	44	--	0791	--	--	--	--	0781	0784
3.3 - 139	129	N4501	4101	42A7BEPM-5H	1/2	44	--	0791	--	--	--	--	0781	0784
6 - 250	71	N4500	4100	42A7BEPM-5H	1/2	44	--	0791	--	--	--	--	0781	0784

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