



42A-E & 42A-F

90 COMPATIBLE WITH
90 V CONTROLS
SEE PAGES 98 & 99

Parallel Shaft DC Gearmotors

Up to 341 lb-in. continuous

Standard Features

- 42A motor provides high starting torque, adjustable speed, and predictable performance under a range of operating conditions. (see page 69 for more details)
- Industrial lip type seals on motor and output shafts
- Needle bearing on output shaft for increased radial load capacity and long life
- Permanently lubricated gearing utilizing semi-fluid grease for long life
- Selectively hardened steel helical gearing for quietness and high output to size ratio
- Helical pinion accurately cut on motor shaft for maximum strength and minimum noise

- Performance ratings of 130 V models based on use with filtered controls
- Face mount is standard

Optional Accessories

- Encoder model 0941, see page 101
- Brake model 0997, see page 100
- IP-44 achieved with terminal box model 0984 or 1984, see page 100
- IP-44 achieved with boot kit model 0978, see page 100
- "L" bracket kit model 0969, see page 100
- Adaptor plate kit model 0995 provides for drop-in replacement of competitive gearmotors

Matching Controls

- Bodine stocks a full line of speed controls for Bodine PMDC motors. See pages 86-99

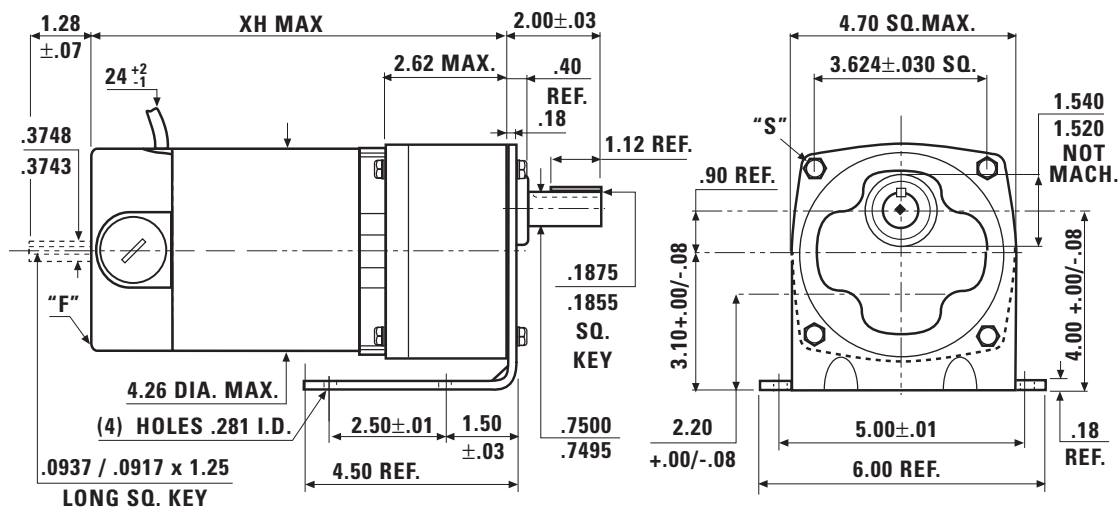
Application Information

- For connection diagram 074 10101 see page 66

		Current @ Rated Torque (Amps)									Model Number ¹			
											24 Volt Winding		130 Volt Winding	
Speed (rpm)	Rated Torque (lb-in.)	24 Volt Winding	130 Volt Winding	Peak Torque (lb-in.)	Motor HP	Gear Ratio	Radial Load (lbs.)	Length XH (inch)	Weight (lbs.)	Product Type	Accessory Shaft	No Accessory Shaft	Accessory Shaft	No Accessory Shaft
8.3	310	5.8	1.0	475	1/8	300	200	8.25	12.7	42A3BEPM-E4	N4975	N4675	N4575	4175
14	341	5.8	1.0	475	1/8	180	200	8.25	12.7	42A3BEPM-E4	N4974	N4674	N4574	4174
21	283	5.8	1.0	475	1/8	120	200	8.25	12.7	42A3BEPM-E4	N4973	N4673	N4573	4173
42	270	8.8	1.8	421	1/4	60	200	9.37	14.9	42A5BEPM-E3	N4985	4685	4585	4185
62	220	12	2.3	440	1/3	40	300	10.5	18.1	42A7BEPM-F3	N4984	N4684	N4584	4193
62	180	8.8	1.8	280	1/4	40	200	9.37	14.9	42A5BEPM-E3	N4976	N4676	N4576	4184
83	135	8.8	1.8	318	1/4	30	300	9.37	14.9	42A5BEPM-E3	N4983	N4683	4583	4183
125	145	—	2.3	—	1/3	20	300	10.5	18.1	42A7BEPM-F3	—	—	—	4192
125	90	8.8	1.8	212	1/4	20	300	9.37	14.9	42A5BEPM-E3	N4982	N4682	N4582	4182
165	109	—	2.3	—	1/3	15	300	10.5	18.1	42A7BEPM-F2	—	—	—	4191
165	68	8.8	1.8	160	1/4	15	300	9.37	14.9	42A5BEPM-E2	N4981	N4681	N4581	4181
250	72	12	2.3	144	1/3	10	300	10.5	18.1	42A7BEPM-F2	N4978	N4678	N4578	4190
250	45	8.8	1.8	106	1/4	10	300	9.37	14.9	42A5BEPM-E2	N4980	N4680	4580	4180
500	25	8.8	1.8	55	1/4	5	300	9.37	14.9	42A5BEPM-E1	N4979	N4679	N4579	4179

¹ NOTE: Model numbers shown in bold type are in stock. "N" model numbers require lead time and minimum quantities.

42A-E/42A-F Gearmotor shown with optional "L" bracket (model 0969)



"S" (4) 1/4-28 UNF -2B, 0.5 in. deep minimum on a 5.13" bolt circle
"F" See page 101 for "accessory ready" mounting dimensions.

