

Gearmotors

Bodine Electric Company offers over one thousand standard gearmotors ranging from 1/2,000 to 3/4 HP (0.4 to 560 Watts), and e-TORO™ motors up to 3.5 HP (2,600 Watts). Our standard product line includes AC fixed speed and variable speed products, as well as an extensive selection of permanent magnet DC, and brushless DC gearmotors, motors and controls. We offer parallel shaft, right angle, and hollow shaft gearmotors, with torque ratings from 1 to 1,000 lb-in. (0.1-113 Nm).



Parallel Shaft Gearmotors

A/T

Parallel Shaft Gearmotors | up to 120 oz-in.

- Totally enclosed, non-ventilated IP-20 rating
- Permanently lubricated, noise tested ball bearings
- Three-wire winding simplifies reversing
- Impedance protected to prevent current overload (gearmotor should not be stalled when powered up)
- Capacitor is included with gearmotor
- See page 37 for reference dimensions

Fixed Speed – AC Gearmotors

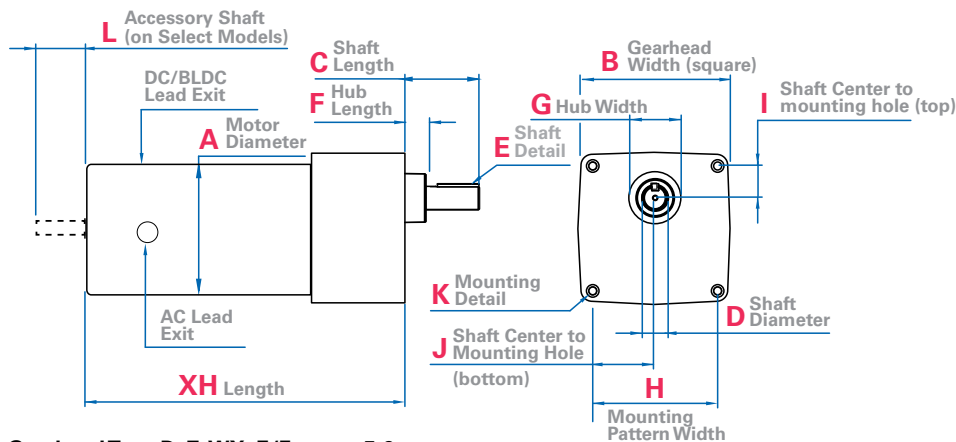
Speed (rpm)	Rated Torque (oz-in.)	Motor HP	V	Hz	Ph	Amps	Gear Ratio	Radial Load (oz.)	Capacitor (µF/VAC)	Product Type	Model Number
Permanent Split Capacitor Normal Slip, Non-synchronous										CAPACITOR IS INCLUDED	
0.9	120	1/700	115	60	1	0.07	1800	20	0.9/250	KCI-22T5	N0727
1.9	100	1/700				0.07	900		0.9/250	KCI-22T5	0726
5.6	95	1/700				0.07	300		0.9/250	KCI-22T4	0724
9	95	1/700				0.07	180		0.9/250	KCI-22T4	0723
13	95	1/450				0.083	120		1.0/250	KCI-23T4	0722
22	95	1/300				0.11	72		1.3/250	KCI-24T4	0733
26	80	1/300				0.11	60		1.3/250	KCI-24T3	0732
52	34	1/450				0.083	30		1.0/250	KCI-23A2	0719
52	59	1/300				0.11	30		1.3/250	KCI-24A2	0731
86	21	1/450				0.083	18		1.0/250	KCI-23A2	0718
86	35	1/300				0.11	18		1.3/250	KCI-24A2	0730
130	24	1/300				0.11	12		1.3/250	KCI-24A2	0729
260	12	1/300	0.11	6	1.3/250	KCI-24A2	0728				
Permanent Split Capacitor High Slip, Non-synchronous										CAPACITOR IS INCLUDED	
0.9	120	1/1000	115	60	1	0.072	1800	20	0.9/250	KCI-22T5	N0746
2.3	95	1/1000				0.072	600		0.9/250	KCI-22T5	0744
4.9	95	1/1000				0.072	300		0.9/250	KCI-22T4	0743
10	88	1/800				0.083	120		1.0/250	KCI-23T4	0741
20	80	1/450				0.1	60		1.2/250	KCI-24T3	0750
40	44	1/450				0.1	30		1.2/250	KCI-24A2	0749
67	16	1/800				0.083	18		1.0/250	KCI-23A2	0737
67	27	1/450				0.1	18		1.2/250	KCI-24A2	0748
200	8.9	1/450				0.1	6		1.2/250	KCI-24A2	0747
Permanent Split Capacitor, Synchronous										CAPACITOR IS INCLUDED	
1	120	1/2000	115	60	1	0.069	1800	20	0.9/250	KYC-22T5	N0767
2	100	1/2000				0.069	900		0.9/250	KYC-22T5	N0766
3	88	1/2000				0.069	600		0.9/250	KYC-22T5	0765
10	72	1/900				0.093	180		1.3/250	KYC-24T4	0776
15	20	1/2000				0.069	120		.09/250	KYC-22T4	N0762
15	48	1/900				0.093	120		1.3/250	KYC-24T4	N0775
25	29	1/900				0.093	72		1.3/250	KYC-24T4	0774
60	15	1/900				0.093	30		1.3/250	KYC-24A2	0772
100	8.9	1/900				0.093	18		1.3/250	KYC-24A2	0771



Reference Drawings and Dimensions

Parallel Shaft Gearmotor Dimensions

Dimensions (in inches) are for reference only. For CAD drawings and up-to-date specifications, please visit www.bodine-electric.com.



Gearhead Type D, Z, WX, E/F, pages 5-9

	Product Type	Wt. (lbs.)	XH Length	A Diameter (Height)	B Width (square)	C Shaft Length	D Shaft Diameter	E Shaft Detail	F Hub Length	G Hub Width	H Mounting Pattern Width	I Shaft Center to Mounting Hole (top)	J Shaft Center to Mounting Hole (bottom)	K Mounting Detail	L Acc'y Shaft	Cord/Lead Length (in.)										
Type D Gearmotor																										
24A-D	24A2-D	4.0	5.887	2.42	3.42	1.56	.500	Flat	.554	1.125	2.652	.582	1.326	[4]10-32 UNF-2B x .38 deep on a 3.75 B.C.	Yes	24										
	24A4-D	4.5	6.637												Yes	24										
22B-D	22B2-D	3.75	5.522	2.378											Yes	12 or 24										
22B-D INTEGRA	22B2-D	5.4	6.631	2.93											No	None										
Type Z Gearmotor																										
34R-Z	34R4-Z4/3	9.3	8.328	4.02	3.40	1.56	.500	Flat/Key	.29	1.125	2.652	.582	1.326	[4]10-32 UNF-2B x .38 deep on a 3.75 B.C.	No	12										
	34R6-Z4/3		8.345																							
	34R4-Z2		7.428																							
	34R6-Z2		7.445																							
24A-Z	24A4-Z2	5.0	6.890	2.42	3.42	1.56	.500	Flat/Key	.29	1.125	2.652	.582	1.326	[4]10-32 UNF-2B x .38 deep on a 3.75 B.C.	Yes	24										
24A4-Z3/Z4	7.790																									
33A-Z	33A3-Z2	5.8	6.895	3.39											3.42	1.56	.500	Flat/Key	.29	1.125	2.652	.582	1.326	[4]10-32 UNF-2B x .46 deep on a 3.75 B.C.	Yes	12 or 24
	33A3-Z3		7.795																							
22B-Z	22B3-Z2	5.25	6.326	2.378	3.42	1.56	.500	Flat/Key	.29	1.125	2.652	.582	1.326	[4]10-32 UNF-2B x .46 deep on a 3.75 B.C.											Yes	12 or 24
	22B2-Z4	4.75	6.746																							
	22B3-Z4	5.25	7.226																							
22B-Z INTEGRA	22B3-Z2	5.3	7.435	2.93											3.42	1.56	.500	Flat/Key	.29	1.125	2.652	.582	1.326	[4]10-32 UNF-2B x .46 deep on a 3.75 B.C.	Yes	12 or 24
	22B3-Z3	5.3	8.335																							
	22B2-Z4	4.8	7.885																							
Type WX Gearmotor																										
34R-WX	34R6-WX	12.0	8.956	4.02	4.06	2.0	.625	Key	.56	1.31	3.375	.863	1.688	[4]1/4 -28 UNF-2B x .50 deep on a 4.78 B.C.	No	12										
33A-WX	33A5-WX	9.7	8.665	3.385											Yes	24										
34B-WX	34B3-WX	4.8	6.473	4.02											Yes	12 or 24										
Type E/F & FX Gearmotor																										
34R-FX	34R4-FX	11.0	8.112	4.02	4.64	2.0	.750	Key	.37	1.536	3.625	.913	1.813	[4]1/4 -28 UNF-2B x .50 deep on a 5.13 B.C.	No	12										
42R-FX	42R5-FX	14.5	9.128	4.73																						
	42R6-FX	16.5	9.565	4.73																						
48R-FX	48R6-FX	26.0	10.487	5.90											4.64	2.0	.750	Key	.37	1.536	3.625	.913	1.813	[4]1/4 -28 UNF-2B x .50 deep on a 5.13 B.C.	No	24
42A-FX	42A5-FX	14.9	9.323	4.26																						
34B-E/F	34B3-E	11.0	6.629	4.02																						
	34B4-E/F	12.0	7.129																							
	34B6-F	14.0	8.129		Yes	12 or 24																				

Only the first four characters of the product type are relevant to dimensions.