

**Brushless DC Gearmotors**

Speed (rpm)	Rated Torque (lb-in.)	Rated Current (Amps)		Peak Torque (lb-in.)	Motor HP	Gear Ratio	Radial Load (lbs.)	Product Type <sup>2</sup>	Accy Shaft	No Accy Shaft	Accy Shaft	No Accy Shaft
		24V	130V						24V		130V	
14	100	—	0.72	115	1/11	180	110	22B3BEBL-Z4	—	—	3463	3363
14	100	3.3	0.53	115	1/16	180	110	22B2BEBL-Z4	—	3563	—	—
21	100	3.3	0.53	115	1/16	120	110	22B2BEBL-Z4	—	3564	—	3364
28	100	4.4	0.72	115	1/11	90	110	22B3BEBL-Z4	—	—	3462	3362
28	97	3.3	0.53	115	1/16	90	110	22B2BEBL-Z4	—	3562	—	—
42	95	4.4	0.72	115	1/11	60	110	22B3BEBL-Z3	3661	3561	3461	3361
83	52	4.4	0.72	59	1/11	30	125	22B3BEBL-Z3	3660	3560	3460	3360
139	31	4.4	0.72	38	1/11	18	125	22B3BEBL-Z2	3659	3559	3459	3359
208	20	4.4	0.72	25	1/11	12	120	22B3BEBL-Z2	3658	3558	3458	3358
417	10	4.4	0.72	13	1/11	6	100	22B3BEBL-Z2	3657	3557	3457	3357



Type 22B-Z

**INTEGRAMotor BLDC Gearmotors**

Motor Output					Control Input			Product Type	Model Number	
Speed Range (rpm)		Torque (lb-in.)	Gear Ratio	HP	Volts (VDC)	Continuous Amps	Type SR		Type FV	
Type SR	Type FV						Analog Interface		Digital Interface <sup>3</sup>	
0.7-8	0.3-8	100	300	1/16			24	3.3	22B2BEBL/**-Z4	3864
1-14	0.4-14	100	180	1/16	22B2BEBL/**-Z4	3863			3723	
2-28	0.8-28	97	90	1/16	22B2BEBL/**-Z4	3862			3762	
3-42	1.3-42	95	60	1/11	22B3BEBL/**-Z3	3861			3761	
7-83	2.5-83	52	30	1/11	22B3BEBL/**-Z3	3860			3760	
11-139	4.2-139	31	18	1/11	22B3BEBL/**-Z2	3859			3759	
17-208	6.3-208	20	12	1/11	22B3BEBL/**-Z2	3858			3758	
33-417	13-417	10	6	1/11	22B3BEBL/**-Z2	3857			3757	



Type 22B/SR-Z and 22B/FV-Z INTEGRAMotor

\*\* INTEGRAMotor can be ordered with either analog (/SR) or digital (/FV) interface option;

**up to 210 lb-in. | Parallel Shaft Gearmotors**



- Selectively hardened steel helical gears
- Synthentic lubricant
- Adaptor plate, model 0995, allows for 3-hole mounting configuration. See Page 36
- See Page 36 for capacitors and accessories
- See page 39 for reference dimensions

**Variable Speed—Pacesetter Inverter Duty AC Gearmotors**

Fixed Speed Ratings		Variable Speed (SOA) Ratings <sup>1</sup>						Motor HP	Amps	Gear Ratio	Radial Load (lbs.)	Product Type	Model No.
Speed (rpm)	Torque (lb-in.)	Speed Range (rpm)	Frequency Range (Hz)	Torque Type	Torque @ 10 Hz (lb-in.)	Torque @ 60 Hz (lb-in.)	Torque @ 90 Hz (lb-in.)						
<b>34R-WX Inverter Duty Gearmotor</b>													
<b>Three-Phase, Inverter Duty, 230/460 VAC, Non-synchronous, Reversible (TEFC)</b>													
5	210	0.4-7.0	10-90	constant	210	210	210	1/6	1.0 / 0.5	312	300	34R4BFPP-WX4	2803
10	205	0.7-13			205	205	205			172	300	34R4BFPP-WX4	2804
17	195	1.2-33			195	195	195			98	300	34R4BFPP-WX4	2805
26	195	1.8-33			195	195	195			66	300	34R4BFPP-WX3	2806
31	190	2.2-40			190	190	190			55	300	34R4BFPP-WX3	2807
39	157	2.7-50			157	157	157			44	300	34R4BFPP-WX3	2808
57	106	4.0-73			106	106	106			30	290	34R4BFPP-WX3	2809
83	77	5.9-107			77	77	77			20	268	34R4BFPP-WX2	2829
123	46	8.7-158			46	46	46			14	250	34R4BFPP-WX2	2830
181	31	13-232			31	31	31			9	226	34R4BFPP-WX2	2831
309	18	22-397			18	18	18			6	195	34R4BFPP-WX2	2832
447	9	32-574			9	9	9			4	179	34R4BFPP-WX2	2833



Type 34R-WX Inverter Duty

**Fixed Speed—AC Gearmotors**

Speed (rpm)	Rated Torque (lb-in.)	Motor HP	V	Hz	Ph	Amps	Gear Ratio	Radial Load (lbs.)	Capacitor (µF/VAC)	Product Type	Model Number
<b>Permanent Split Capacitor, Non-synchronous, 3-Wire-Reversible (TEFC)</b>											
<b>CAPACITOR IS REQUIRED</b>											
5	210	1/7	115	60	1	1.7	312	300	27.5/250	34R6BFCI-WX4	1034
10	200						172	300		34R6BFCI-WX4	1032
17	195						98	300		34R6BFCI-WX4	1029
26	195						66	300		34R6BFCI-WX3	1027
31	190						55	300		34R6BFCI-WX3	1025
39	157						44	300		34R6BFCI-WX3	1023
57	106						30	290		34R6BFCI-WX3	1021
83	77						20	268		34R6BFCI-WX2	1019
123	46						14	250		34R6BFCI-WX2	1016
181	31						9	226		34R6BFCI-WX2	1014
309	18						6	195		34R6BFCI-WX2	1012
447	9						4	179		34R6BFCI-WX2	1010



Type 34R-WX

<sup>1</sup> SOA: Contact the factory for detailed speed/torque information (Safe Operating Area). See page 21; <sup>2</sup> The fifth character of the product type changes from "B" to "F" for accessory ready models; <sup>3</sup> Type FV INTEGRAMotors require a PWM signal from a motion controller or PLC to operate

**Permanent Magnet DC Gearmotors**



Type 33A-WX

Speed (rpm)		Rated Torque (lb-in.)	Amps		HP		FF	Gear Ratio	Radial Load (lbs.)	Product Type <sup>2</sup>	Accy	No	Accy	No
12/24V	90/130V		12/24V	90/130V	12/24V	90/130V					90/130V	12/24V	90/130V	
2.9 / 8.0	5 / 8	205	10.2	1.3 / 1.7	1/11 / 1/4	1/8 / 1/4	1.4 / 1.0	312	130	33A5BEPM-WX4	1422	1222	1452	1072
5 / 15	10 / 15	200						172	130	33A5BEPM-WX4	1420	1220	1450	1070
9 / 26	17 / 26	185						98	130	33A5BEPM-WX4	1418	1218	1448	1068
14 / 38	26 / 38	190						66	130	33A5BEPM-WX3	1416	1216	1446	1066
16 / 46	31 / 46	185						55	130	33A5BEPM-WX3	1414	1214	1444	1064
21 / 57	39 / 57	157						44	130	33A5BEPM-WX3	1412	1212	1442	1062
30 / 84	57 / 84	106						30	130	33A5BEPM-WX3	1410	1210	1440	1060
44 / 123	83 / 123	77						20	65	33A5BEPM-WX2	1408	1208	1438	1058
65 / 181	123 / 181	46						14	65	33A5BEPM-WX2	1406	1206	1436	1056
96 / 266	181 / 266	31						9	65	33A5BEPM-WX2	1404	1204	1434	1054
164 / 455	309 / 455	18						6	65	33A5BEPM-WX2	1402	1202	1432	1052
237 / 658	447 / 658	9						4	65	33A5BEPM-WX2	1400	1200	1430	1050

**SCR Rated—Permanent Magnet DC Gearmotors**



Type 33A-WX / SCR Rated

90V and 180VDC gearmotors with a maximum rated armature speed of 2500 rpm.

Speed (rpm)	Rated Torque (lb-in.)	Rated Current (Amps)		Form Factor		Motor HP		Gear Ratio	Peak Torque (lb-in.)	Radial Load (lbs.)	Product Type	Model Number	
		90V	180V	90V	180V	90V	180V					90V	180V
8.0	205	1.6	0.8	1.4	1.4	1/7	1/7	312	350	300	33A5BEPM-WX4	1259	1172
15	200							172	350	300	33A5BEPM-WX4	1247	1170
26	185							98	350	261	33A5BEPM-WX4	1257	1168
38	190							66	350	223	33A5BEPM-WX3	1256	1166
46	163							55	350	217	33A5BEPM-WX3	1255	1164
57	131							44	327	213	33A5BEPM-WX3	1254	1162
84	88							30	220	201	33A5BEPM-WX3	1253	1169
123	64							20	160	185	33A5BEPM-WX2	1252	1158
181	39							14	97	172	33A5BEPM-WX2	1251	1154
266	26							9	65	156	33A5BEPM-WX2	1250	1153
455	15							6	37	135	33A5BEPM-WX2	1249	1152
658	9							4	22	122	33A5BEPM-WX2	1248	1150

**Brushless DC Gearmotors**



Type 34B-WX

Speed (rpm)	Rated Torque (lb-in.)	Rated Current (Amps)		Motor HP	Gear Ratio	Radial Load (lbs.)	Product Type <sup>1</sup>	Accy Shaft	No Accy Shaft	Accy Shaft	No Accy Shaft
		24V	130V					24V		130V	
8	205	9.0	1.4	1/5	312	130	34B3BEBL-WX4	1323	1293	1123	1093
15	200				172	130	34B3BEBL-WX4	1322	1292	1122	1092
26	185				98	140	34B3BEBL-WX4	1320	1290	1120	1090
38	190				66	140	34B3BEBL-WX3	1318	1288	1118	1088
46	185				55	130	34B3BEBL-WX3	1317	1287	1117	1087
57	157				44	130	34B3BEBL-WX3	1316	1286	1116	1086
84	106				30	160	34B3BEBL-WX3	1315	1285	1115	1085
123	77				20	60	34B3BEBL-WX2	1314	1284	1114	1084
181	46				14	65	34B3BEBL-WX2	1313	1283	1113	1083
266	31				9	80	34B3BEBL-WX2	1312	1282	1112	1082
455	18				6	90	34B3BEBL-WX2	1310	1280	1110	1080
658	9				4	65	34B3BEBL-WX2	1309	1279	1109	1079

**INTEGRAmotor BLDC Gearmotors**

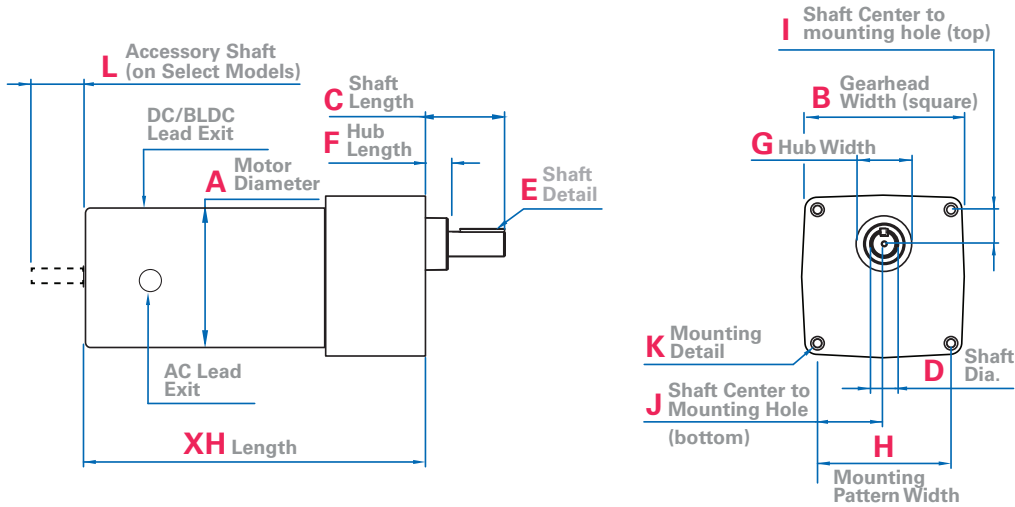


Type 34B/SR-WX INTEGRA

Designed for Class I/Division 2 and remote & mobile applications

Speed (rpm)	Torque (lb-in.)	HP		Gear Ratio	Radial Load (lbs)	Control Input Cont. Amps		Product Type	12 VDC Model No.	24 VDC Model No.
		12 VDC	24 VDC			12 VDC	24 VDC			
8	205	1/5	1/4	312	130	19.0	11.0	34B4BEBL/SR-WX4	3293	3893
15	200			172	130			34B4BEBL/SR-WX4	3292	3892
26	185			98	140			34B4BEBL/SR-WX4	3290	3890
38	190			66	140			34B4BEBL/SR-WX3	3288	3888
46	185			55	130			34B4BEBL/SR-WX3	3287	3887
57	157			44	130			34B4BEBL/SR-WX3	3286	3886
84	106			30	160			34B4BEBL/SR-WX3	3285	3885
123	77			20	60			34B4BEBL/SR-WX2	3284	3884
181	46			14	65			34B4BEBL/SR-WX2	3283	3883
266	31			9	80			34B4BEBL/SR-WX2	3282	3882
455	18			6	90			34B4BEBL/SR-WX2	3280	3880
658	9			4	65			34B4BEBL/SR-WX2	3279	3879

<sup>1</sup> The fifth character of the product type changes from "B" to "F" for accessory ready models



Gearhead Type Z, WX, FX pages 6-10

	Product Type	Wt. (lbs.)	XH Length	A Diameter (Height)	B Width	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.)
<b>Type Z Gearmotor</b>																
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	3.40	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.	Yes	24
	24A4-Z3/Z4		7.790													
33A-Z	33A3-Z2	5.8	6.895	3.39	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.	Yes	24
	33A3-Z3	5.8	7.795													
	33A5-Z2	6.8	7.960													
	33A5-Z3	6.8	8.860													
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												No	
	22B3-Z4	5.25	7.226												Yes	
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.	No	None
	22B3-Z3	5.3	8.335													
	22B2-Z4	4.8	7.885													
<b>Type WX Gearmotor</b>																
34R-WX	34R4-WX	10.0	7.956	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
	34R6-WX	12.0	8.956	4.02												
33A-WX	33A5-WX	9.7	8.665	3.385	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.	Yes	24
34B-WX	34B3-WX	4.8	6.473	4.02											Yes	12 or 24
<b>Type E/F &amp; FX Gearmotor</b>																
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	
42A-FX	42A5-FX	14.9	9.323	4.26	Yes	24										
34B-E/F	34B3-E	11.0	6.629	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 or 24
	34B4-E/F	12.0	7.129												Yes	
	34B6-F	14.0	8.129												Yes	