

Right Angle Gearmotors

3N/3F

Right Angle Gearmotors | up to 37 lb-in.

- Unvented gearhousing for universal horizontal mounting
- Permanently lubricated with high-performance lubricant
- Bronze gear for high shock load capability
- Hardened and ground worm for high strength and long life
- Models with accessory shafts are ideal for mounting encoders or brakes
- See page 34 for capacitors and accessories
- See pages 38 and 40 for reference dimensions

Variable Speed—Pacesetter Inverter Duty AC Gearmotors



Type 30R-3N Pacesetter

Fixed Speed Rating					Variable Speed (SOA) Ratings ¹					Product Type	230V Model Number	
Speed (rpm)	Torque (lb-in.)	Motor HP	A	Gear Ratio	Speed Range (rpm)	Frequency Range (Hz)	Torque Type	Torque @ 10 Hz (lb-in.)	Torque @ 60 Hz (lb-in.)			Torque @ 90 Hz (lb-in.)
Three-Phase, Inverter Duty, Non-synchronous Motor (TENV)												
28	37	1/17	0.48	60	2.2-36	10-90	constant	37	37	37	30R4BEPP-3N	N2290
34	36			50	2.7-43		variable	33	37	37		N2292
43	37			40	3.3-54		constant	37	37	37		N2293
85	25			20	6.6-108		variable	24	36	36		2294
170	14			10	13-216		variable	16	28	22		N2296
340	8			5	27-431		variable	9	15	12		N2297

Fixed Speed—AC Gearmotors



Type 34R-3F

Speed (rpm)	Rated Torque (lb-in.)	Motor HP	V	Hz	Ph	Amps	Gear Ratio	Radial Load (lbs.)	Capacitor (µF/VAC)	Product Type	Model Number
Permanent Split Capacitor, Non-synchronous											
CAPACITOR IS REQUIRED											
28	37	1/15	115	60	1	1.0	60	40	10.0/250	34R4BFCI-3F	0492
43	37						40	40			0491
57	30						30	40			0487
85	27						20	40			0490
113	20						15	5			0489
170	16						10	5			0488

Permanent Magnet DC Gearmotors



Type 24A-3F (Mounting from base of gearhead)



Type 24A-3F (Mounting from base of motor)

Speed (rpm)	Rated Torque (lb-in.)	Rated Current (Amps)		Peak Torque (lb-in.)	Motor HP	FF	Gear Ratio	Radial Load (lbs.)	Product Type ²	Accy Shaft	No Accy Shaft	Accy Shaft	No Accy Shaft	
		24V	130V							24V	130V			
Mounting From Base Of Gearhead														
42	22	2.6	0.48	46	1/17	1.0	60	40	24A4BEPM-3F	N4899	N4699	N4099	0099	
63	19			46			40	40		N4898	N4698	N4098	0098	
125	16			32			20	5		N4896	N4696	N4096	0096	
250	10			20			10	5		N4894	4694	N4094	0094	
500	5.2			10			5	5		N4893	N4693	N4093	0093	
Mounting From Base Of Motor														
42	22	—	—	46	1/17	1.0	60	40	24A4BEPM-3F	—	—	—	N0089	
63	19	—	—	46			40	40		—	—	—	—	N0088
125	16	—	—	32			20	5		—	—	—	—	N0087
250	10	—	—	20			10	5		—	—	—	—	N0086
500	5.2	—	—	10			5	5		—	—	—	—	N0084

Hollow Shaft

24 V Models With Class F Temperature Rating

250	14	3.7	—	20	1/13	—	10	60	24A4BEPM-3F/H	—	N7694	—	—
500	6.8		—	10		—	5	70		N7893	—	—	—

90 V/130 V Models With Class F Temperature Rating

29/42	35 / 37	—	—	46	1/23 / 1/11	1.4 / 1.0	60	100	24A4BEPM-3F/H	—	—	—	7099	
43/63	29 / 37	—	—	46			40	90		—	—	—	—	7098
86/125	18 / 26	—	0.56 / 0.81	32			20	80		—	—	—	—	7096
173/250	10 / 16	—	—	20			10	70		—	—	—	—	7094
345/500	5.5 / 8.2	—	—	10			5	60		—	—	—	—	7093

Brushless DC Gearmotors



Type 22B-3N

Speed (rpm)	Rated Torque (lb-in.)	Rated Current (Amps)		Peak Torque (lb-in.)	Motor HP	Gear Ratio	Radial Load (lbs.)	Product Type ²	Accy Shaft	No Accy Shaft	Accy Shaft	No Accy Shaft
		24V	130V						24V	130V		
42	37	5.9	1.0	147	1/8	60	100	22B4BEBL-3N	N3665	3565	N3421	N3321
62	37			123		40	90		N3666	N3566	N3422	3322
125	35			74		20	80		3667	N3567	N3423	N3323
250	22			46		10	70		N3668	N3568	3424	N3324
500	11			23		5	60		N3669	N3569	N3425	3325

INTEGRAMotor BLDC Gearmotors

Motor Output				Control Input			Product Type ²	Model Number	
Speed Range (rpm)		Torque (lb-in.)	Gear Ratio	Motor HP	Volts (VDC)	Continuous Amps		Type SR	Type FV
Type SR	Type FV							Analog Interface	Digital Interface ³
3-42	1.3-42	37	60	1/8	24	5.9	22B4BEBL/**-3N	N3865	N3765
5-62	2-62	37	40					3866	N3766
10-125	4-125	35	20					N3867	N3767
20-250	7.5-250	22	10					3868	N3768
40-500	15-500	11	5					N3869	N3769



Type 22B/SR-3N
INTEGRAMotor

Hollow Shaft

3-42	1.3-42	37	60	1/8	24	5.9	22B4BEBL/**-3F/H	N8865	N8765
5-62	2-62	37	40					N8866	N8766
10-125	4-125	35	20					N8867	N8767
20-250	7.5-250	22	10					N8868	N8768
40-500	15-500	11	5					N8869	N8769



Type 22B/SR-3F/H
INTEGRAMotor
Hollow Shaft

up to 77 lb-in. | Right Angle Gearmotors

5R/5L

- Unvented gearhousing for universal horizontal mounting
- Permanently lubricated with high-performance lubricant
- Bronze gear for high shock load capability
- Hardened and ground worm for high strength and long life
- See page 34 for capacitors and terminal boxes
- See page 38 for reference dimensions

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
34R-5R Permanent Split Capacitor, Non-synchronous, Class B Temperature Rating (TEFC) CAPACITOR IS REQUIRED											
28	33	1/15	115	60	1	1.0	60	50	10.0/250	34R4BFCL-5R	0469
43	49						40	50			0468
85	32						20	50			0466
170	18						10	30			0465
42R-5L Permanent Split Capacitor, Non-synchronous, Class B Temperature Rating (TEFC) CAPACITOR IS REQUIRED											
43	77	1/8	115	60	1	1.7	40	80	12.5/250	42R4BFCL-5L	0627
57	75						30	80			0626
85	54						20	80			0624
170	31						10	10			0623
42R4-5L Split Phase, Non-synchronous, Class B Temperature Rating (TEFC)											
43	77	1/8	115	60	1	3.0	40	80	—	42R4BFSI-5L	0620
57	75						30	80			0619
85	54						20	80			0618
170	31						10	10			0617



Type 34R-5R



Type 42R-5L

Permanent Magnet DC Gearmotors

Speed (rpm)	Rated Torque (lb-in.)	130V Rated Current (Amps)	Peak Torque (lb-in.)	Motor HP	FF	Gear Ratio	Radial Load (lbs.)	Product Type	Model Number
33A-5R 130V Models With Class B Temperature Rating, Grease Lubrication									
50	45	0.71	118	1/12	1.0	40	80	33A3BEPM-5R	6128
67	41		83			80	6127		
100	29		44			80	6126		
200	17		23			80	6125		
33A-5L 130V Models With Class F Temperature Rating, Oil Lubrication									
50	77	1.4	179	1/6	1.0	40	80	33A5BEPM-5L	6119
67	75		169			80	6118		
100	63		159			80	6117		
200	37		91			80	6116		
42A-5L 130V Models With Class F Temperature Rating, Oil Lubrication									
50	77	1.3	177	1/6	1.0	40	80	42A4BEPM-5L	4119
67	75		169			80	4118		
100	63		159			80	4117		
200	37		91			80	4116		



Type 33A-5R



Type 42A-5L

¹ SOA: Contact the factory for detailed speed/torque information (Safe Operating Area). See page 19.
² The fifth character of the product type changes from "B" to "F" for accessory ready models.
³ Type FV INTEGRAMotors require a PWM signal from a motion controller or PLC to operate.
 ** INTEGRAMotor can be ordered with either analog (/SR) or digital (/FV) interface option.
 "N" model numbers require lead time and minimum quantities.

- *Type 5N only:* Needle bearings on driveshaft for high radial load capacity and long life
- *Type 5L/H only:* Ball bearings for high radial load and long life
- Unvented gearhousing for universal horizontal mounting
- Bronze worm gear for high shock load capability
- Hardened and ground worm for strength and long life
- See page 34 for capacitors and terminal boxes
- See pages 39 and 40 for reference dimensions

Variable Speed—Pacesetter Inverter Duty AC Gearmotors



Type 42R-5N Pacesetter

Fixed Speed Rating						Variable Speed (SOA) Ratings ¹						Product Type	230V Model No.	230/460V Model No.
Speed (rpm)	Torque (lb-in.)	HP	(230V) A	(230/460V) A	Gear Ratio	Speed Range (rpm)	Frequency Range (Hz)	Torque Type	Torque @ 10 Hz (lb-in.)	Torque @ 60 Hz (lb-in.)	Torque @ 90 Hz (lb-in.)			

42R-5N Gearmotor

Three-Phase, Inverter Duty, Non-synchronous (TEFC)

23	121	3/8	1.90	1.90/0.95	75	2.4-31	10-90	constant	116	116	116	42R6BFPP-5N	2270	2870
43	113				40	4.4-57		constant	109	109	109		2271	2871
57	109				30	5.9-77		constant	104	104	104		N2275	2875
85	103				20	8.9-115		constant	98	98	98		2272	2872
170	101				10	18-229		variable	66	105	101		2273	2873
340	54				5	35-458		variable	38	68	59		2274	2874

42R-5L/H Hollow Shaft Gearmotor

Three-Phase, Inverter Duty, Non-Synchronous (TEFC)

23	121	3/8	1.90	—	75	2.4-31	10-90	variable	121	121	116	42R6BFPP-5L/H	N2470	—
43	113			—	40	4.4-57		constant	109	109	109		N2471	—
57	109			—	30	5.9-77		constant	104	104	104		N2475	—
85	103			—	20	8.9-115		constant	98	98	98		2472	—
170	101			—	10	18-229		variable	66	105	101		N2473	—
340	54			—	5	35-458		variable	38	68	59		N2474	—



Type 42R-5L/H

Fixed Speed—AC Gearmotors



Type 42R-5N

Speed (rpm)	Rated Torque (lb-in.)	Motor HP	V	Hz	Ph	Amps	Gear Ratio	Radial Load (lbs.)	Capacitor (µF/VAC)	Product Type	Model Number
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Permanent Split Capacitor, Non-synchronous

CAPACITOR IS REQUIRED

38	113	1/6	115	60	1	2.1	40	180	15.0/350	42R5BFCL-5N	0678
75	81						20				0677
150	47						10				0672
300	25						5				0670

Split Phase (with centrifugal switch), Non-synchronous

43	113	1/6	115	60	1	3.6	40	180	—	42R5BFSL-5N	0648
85	75						20		0647		
170	43						10		0646		
340	23						5		0645		

Three-phase, Non-synchronous

43	113	1/4	230	60	3	1.3	40	180	—	42R5BFPP-5N	0634
85	103						20		0633		
170	67						10		0630		
340	36						5		0629		

Permanent Magnet DC Gearmotors



Type 42A-5N

Speed (rpm)	Rated Torque (lb-in.)	Rated Current (Amps)		Peak Torque (lb-in.)	Motor HP	FF	Gear Ratio	Radial Load (lbs.)	Product Type ²	Accy Shaft	No Accy Shaft	Accy Shaft	No Accy Shaft
		12/24V	90/130V							12/24V		90/130V	

42A-5N Gearmotor

12/24V Models With Class F Temperature Rating

25/62	109	—	—	177	3/16 / 7/16	1.0	40	120	42A5FEP-5N	5838	5738	—	—
33/83	104	—	—	169			30			5837	5737	—	—
50/125	98	17	—	159			20			5836	5736	—	—
100/250	80	—	—	91			10			5835	5735	—	—
200/500	43	—	—	49			5			5834	5734	—	—

90/130V Models With Class F Temperature Rating

45/62	109	—	—	177	3/16 / 1/4	1.4 / 1.0	40	120	42A5BEP-5N	—	—	4538	4138
60/83	104	—	—	169			30			—	—	4537	4137
90/125	83	—	1.9/1.8	159			20			—	—	4536	4136
180/250	44	—	—	91			10			—	—	4535	4135
360/500	24	—	—	49			5			—	—	4534	4134

33A-5L/H Hollow Shaft Gearmotor

90/130V Models With Class F Temperature Rating

43 / 62	84 / 109	—	—	177	1/8 / 1/4	1.4 / 1.0	40	120	33A5BEP-5L/H	—	—	—	N6738
58 / 83	75 / 100	—	—	169			30			—	—	—	N6737
86 / 125	54 / 78	—	1.4 / 1.8	159			20			—	—	—	N6736
173 / 250	31 / 42	—	—	91			10			—	—	—	6735
345 / 500	17 / 22	—	—	49			5			—	—	—	N6734



Type 33A-5L/H Hollow Shaft

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 ²	Accy Shaft	No Accy Shaft	Accy Shaft	No Accy Shaft
		24V	130V						24V		130V	
		34B-5N Right Angle Gearmotor										
62	109	—	2.7	174	3/8	40	220	34B6BEBL-5N	—	—	—	N3396
62	79	12	2.0	174	1/4	40	230	34B4BEBL-5N	N3691	N3591	N3491	N3391
62	74	9.6	1.5	174	1/5	40	230	34B3BEBL-5N	—	N3586	—	3386
83	104	—	2.6	166	3/8	30	210	34B6BEBL-5N	—	—	—	N3397
83	75	12	2.0	166	1/4	30	210	34B4BEBL-5N	N3692	N3592	N3492	N3392
83	70	9.6	1.6	166	1/5	30	210	34B3BEBL-5N	—	N3587	—	N3387
125	98	—	2.6	156	3/8	20	180	34B6BEBL-5N	—	—	—	N3398
125	75	12	2.0	156	1/4	20	180	34B4BEBL-5N	N3693	N3593	3493	N3393
125	59	9.6	1.5	156	1/5	20	180	34B3BEBL-5N	—	N3588	—	N3388
250	64	—	2.7	161	3/8	10	140	34B6BEBL-5N	—	—	—	3399
250	42	12	2.0	161	1/4	10	140	34B4BEBL-5N	N3694	N3594	N3494	N3394
250	33	9.6	1.6	140	1/5	10	150	34B3BEBL-5N	—	N3589	—	N3389
500	36	—	2.6	142	3/8	5	120	34B6BEBL-5N	—	—	—	N3378
500	24	12	2.0	94	1/4	5	120	34B4BEBL-5N	N3695	N3595	N3495	N3395
500	18.6	9.6	1.6	74	1/5	5	120	34B3BEBL-5N	—	N3590	—	N3390



Type 34B-5N

INTEGRAMotor BLDC Gearmotors

Speed (rpm)	Rated Torque (lb-in.)	24V Rated Current (Amps)	Peak Torque (lb-in.)	Motor HP	Gear Ratio	Radial Load (lbs.)	Product Type	Model Number ³
63	79	12	—	1/4	40	230	34B4FEBL/FV-5N	N3780
83	75		—		30	210	34B4FEBL/FV-5N	N3781
125	75		—		20	180	34B4BEBL/FV-5N	N3782
250	44		—		10	140	34B4BEBL/FV-5N	3783
500	24		—		5	120	34B4BEBL/FV-5N	N3784



Type 34B/FV-5N INTEGRAMotor

up to 121 lb-in. | Right Angle Gearmotors

5F

- Unvented gearhousing for universal horizontal mounting
- Bronze worm gear for high shock load capability
- Hardened and ground worm for strength and long life
- Models with accessory shafts are ideal for mounting encoders or brakes
- See page 34 for capacitors and terminal boxes
- See page 39 for reference dimensions

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
Permanent Split Capacitor, Non-synchronous											
19 / 23	121 / 102	1/9	115	50 / 60	1	1.8 / 1.4	75	80	12.5 / 250	34R6BFCI-5F	0524
23 / 28	111 / 93						60				N0523
28 / 34	104 / 87						50				N0522
35 / 43	93 / 78						40				0521
47 / 57	83 / 70						30				N0519
70 / 85	60 / 50						20				0518
93 / 113	49 / 41						15				N0514
140 / 170	35 / 29						10				0513
280 / 340	19 / 16						5				N0511



Type 34R-5F

Permanent Magnet DC Gearmotors

Speed (rpm)	Rated Torque (lb-in.)	Rated Current (Amps)		Peak Torque (lb-in.)	Motor HP	FF	Gear Ratio	Radial Load (lbs.)	Product Type ²	Accy Shaft	No Accy Shaft	Accy Shaft	No Accy Shaft
		24V	130V							24V		130V	
		33A5BEPM-5F											
62	55	5.3	0.91	118	1/8	1.0	40	80	33A5BEPM-5F	N6824	N6124	N6544	6144
125	38			83			20			N6825	N6115	6542	6142
250	21			44			10			N6822	N6122	N6541	6141
500	11			23			5			N6820	N6121	N6540	6140



Type 33A-5F

These models feature sleeve bearings on driveshaft.

¹ SOA: Contact the factory for detailed speed/torque information (Safe Operating Area). See page 19.
² The fifth character of the product type changes from "B" to "F" for accessory ready models.
³ Type FV INTEGRAMotors require a PWM signal from a motion controller or PLC to operate.
"N" model numbers require lead time and minimum quantities.

3RD

Right Angle Gearmotors | up to 148 lb-in.

- Unvented gearhousing for universal horizontal mounting
- Hardened worm gears
- Face-mount on the drive-shaft side, or bottom-mount is standard
- 42A-5H only: Single and double shaft configurations available
- See page 34 for capacitors and terminal boxes
- See page 39 for reference dimensions

Variable Speed—Pacesetter Inverter Duty AC Gearmotors



Type 30R-3RD Pacesetter

Fixed Speed Rating					Variable Speed (SOA) Ratings ¹						Product Type	230V Model Number
Speed (rpm)	Torque (lb-in.)	Motor HP	A	Gear Ratio	Speed Range (rpm)	Frequency Range (Hz)	Torque Type	Torque @ 10 Hz (lb-in.)	Torque @ 60 Hz (lb-in.)	Torque @ 90 Hz (lb-in.)		
0.5	95	1/25	0.38	3600	0.1-0.6	10-90	Constant	95	95	95	30R2BEPP-3RD	N8036
1.2	126	1/25	0.38	1400	0.2-1.5			121	121	121	30R2BEPP-3RD	N8014
2.8	148	1/17	0.48	600	0.2-3.6			148	148	148	30R4BEPP-3RD	8006
5.7	146	1/17	0.48	300	0.4-7.2			146	146	146	30R4BEPP-3RD	N8003
8.5	141	1/17	0.48	200	0.7-0.11			141	141	141	30R4BEPP-3RD	N8002

Fixed Speed—AC Gearmotors



Type 30R-3RD

Speed (rpm)	Rated Torque (lb-in.)	Motor HP	V	Hz	Ph	Amps	Gear Ratio	Radial Load (lbs.)	Capacitor (µF/VAC)	Product Type	Model Number
Permanent Split Capacitor, Non-synchronous											CAPACITOR IS REQUIRED
0.4	95	1/30	115	60	1	0.5	3600	160	5.0/250	30R2BEPI-3RD	N8536
1.1	126	1/30				0.5	1400		5.0/250	30R2BEPI-3RD	N8514
2.6	148	1/27				0.49	600		9.0/250	30R4BEPI-3RD	N8506
5.2	101	1/27				0.49	300		9.0/250	30R4BEPI-3RD	N8503
7.8	88	1/27				0.49	200		9.0/250	30R4BEPI-3RD	N8502

Permanent Magnet DC Gearmotors



Type 24A-3RD

Speed (rpm)	Rated Torque (lb-in.)	24V Rated Current (A)	130V Rated Current (A)	Motor HP	FF	Gear Ratio	Radial Load (lbs.)	Product Type ²	24V Model Number	130V Model Number
0.7	95	1.8	—	1/25	1.0	3600	160	24A2BEPM-3RD	N4336	—
0.7	95	—	0.3	1/29		3600		24A2BEPM-3RD	—	N4036
1.8	126	1.8	—	1/25		1400		24A2BEPM-3RD	N4314	—
1.8	126	—	0.3	1/29		1400		24A2BEPM-3RD	—	N4014
4.2	147	2.6	0.48	1/17		600		24A4BEPM-3RD	N4306	N4006
8.3	108	2.6	0.48	1/17	300	24A4BEPM-3RD	N4303	4003		
12.5	92	2.6	0.48	1/17	200	24A4BEPM-3RD	N4302	N4002		

Brushless DC Gearmotors



Type 22B-3RD

Speed (rpm)	Rated Torque (lb-in.)	24V Rated Current	130V Rated Current	Motor HP	Gear Ratio	Radial Load (lbs.)	Product Type ²	24V Model Number	130V Model Number
0.7	95	2.8	0.48	1/16	3600	160	22B2BEPL-3RD	N5336	N5036
1.8	126	2.8	0.48	1/16	1400		22B2BEPL-3RD	5314	N5014
4.2	147	2.8	0.48	1/16	600		22B2BEPL-3RD	N5306	N5006
8.3	144	5.9	0.89	1/8	300		22B4BEPL-3RD	N5303	N5003
12.5	140	5.9	0.89	1/8	200		22B4BEPL-3RD	N5302	N5002

5H

Right Angle Gearmotors | up to 296 lb-in.

Variable Speed—Pacesetter Inverter Duty AC Gearmotors



Type 48R-5H Pacesetter

Fixed Speed Rating					Variable Speed (SOA) Ratings ¹						Product Type	230/460V Model Number
Speed (rpm)	Torque (lb-in.)	Motor HP	(230/460V) Amps	Gear Ratio	Speed Range (rpm)	Frequency Range (Hz)	Torque Type	Torque @ 10 Hz (lb-in.)	Torque @ 60 Hz (lb-in.)	Torque @ 90 Hz (lb-in.)		
Three-Phase, Inverter Duty, Non-synchronous (TEFC)												
35	296	3/4	2.7/1.3	48	3.3-48	10-90	constant	272	272	272	48R6BFPP-5H	N2280
47	285			36	4.4-63		constant	262	262	262		2281
94	256			18	8.9-127		constant	234	234	234		N2282
170	178			10	16-228		variable	152	210	180		N2283

Permanent Magnet DC Gearmotors



Type 42A-5H

Speed (rpm)	Rated Torque (lb-in.)	Rated Current (Amps)		Peak Torque (lb-in.)	Motor HP	FF	Gear Ratio	Radial Load (lbs.)	Product Type ²	Accy Shaft	No Accy Shaft	Accy Shaft	No Accy Shaft
		24V	130V							24V		130V	
Single Shaft Gearmotor													
52	189	12	2.3	340	1/3	1.0	48	150	42A7BEPM-5H	N4829	N4729	N4599	4199
69	151			316			36			N4828	N4728	N4598	4198
139	87			186			18			N4827	N4727	N4596	N4196
250	52			104			10			N4826	N4726	N4594	4194
Double Shaft Gearmotor													
52	264	15	3.3	340	1/2	1.0	48	150*	42A7BEPM-5H	N4833	N4733	N4503	N4103
69	218			340			36			N4832	N4732	N4502	4102
139	129			286			18			N4831	N4731	N4501	4101
250	71			158			10			4830	N4730	N4500	N4100

*only on one of the two shafts

- Unvented gearhousing for universal horizontal mounting
- Hardened helical output gearing
- Bronze worm gear for high shock load capability
- Hardened and ground worm hobbled on the motor shaft for high strength and long life
- Models with accessory shafts are ideal for mounting encoders or brakes
- See page 34 for capacitors and terminal boxes
- See pages 39 and 40 for reference dimensions

Variable Speed—Pacesetter Inverter Duty AC Gearmotors

Fixed Speed Rating					Variable Speed (SOA) Ratings ¹							Product Type	230V Model Number
Speed (rpm)	Torque (lb-in.)	Motor HP	Amps	Gear Ratio	Speed Range (rpm)	Frequency Range (Hz)	Torque Type	Torque @ 10 Hz (lb-in.)	Torque @ 60 Hz (lb-in.)	Torque @ 90 Hz (lb-in.)			
Three-Phase, Inverter Duty, Non-synchronous (TEFC)													
6	380	3/8	1.9	280	0.6-8.2	10-90	constant	380	380	380	42R6BFPP-GB	N2236	
14	290			120	1.5-19			290	290	290		2237	
28	230			60	3.0-38			230	230	230		N2238	
Hollow Shaft													
6	380	3/8	1.9	280	0.6-8.2	10-90	constant	380	380	380	42R6BFPP-GB/H	2336	
14	290			120	1.5-19			290	290	290		N2337	
28	230			60	3.0-38			230	230	230		N2338	



Type 42R-GB and 42R-GB/H Hollow Shaft (Pacesetter)

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
Permanent Split Capacitor, Non-synchronous											
CAPACITOR IS REQUIRED											
5.9	380	1/6	115	60	1	2.0	280	200	25.0/370	42R5BFCL-GB	5266
8.9	375										N5264
14	290										5262
21	278										N5261
28	209										5260
Three-phase, Non-synchronous											
5.9	380	1/4	230/460	60	3	1.2/0.6	280	200	—	42R5BFPP-GB	N5276
8.9	375										N5274
14	290										N5272
21	307										N5271
28	230										N5270
Permanent Split Capacitor, Non-synchronous Hollow Shaft											
CAPACITOR IS REQUIRED											
5.9	380	1/6	115	60	1	2.0	280	200	25.0/370	42R5BFCL-GB/H	N8266
8.9	375										N8264
14	290										N8262



Type 42R-GB and 42R-GB/H Hollow Shaft

Permanent Magnet DC Gearmotors

Speed (rpm)	Rated Torque (lb-in.)	Rated Current (Amps)		Peak Torque (lb-in.)	Motor HP	FF	Gear Ratio	Radial Load (lbs.)	Product Type ²	Accy Shaft		No Accy Shaft	
		24V	90/130V							24V	90/130V		
33A-GB 90/130V Models With Class F Temperature Rating													
6.2 / 8.9	380 / 380	—	1.4 / 1.8	600	1/8 / 1/4	1.4 / 1.0	280	200	33A5BEPM-GB	6866	6766	6466	6066
9.1 / 13	358 / 375			600						6864	6764	6464	6064
14 / 21	251 / 290			464						6862	6762	6462	6062
29 / 42	151 / 200			368						6860	6760	6460	6060
90/130V Hollow Shaft													
6.2 / 8.9	380 / 380	—	1.4 / 1.8	600	1/8 / 1/4	1.4 / 1.0	280	200	33A5BEPM-GB/H	—	—	—	7066
9.1 / 13	358 / 375			600						—	—	—	7064
14 / 21	251 / 290			464						—	—	—	7062
29 / 42	151 / 200			368						—	—	—	7060
42A-GB 130 V Models With Class B Temperature Rating													
										24V		130V Only	
8.9	380	8.8	1.8	600	1/4	1.0	280	200	42A5BEPM-GB	N4866	N4766	N4466	4066
13	375			N4864						N4764	N4464	4064	
21	290			N4862						N4762	N4462	4062	
42	213			N4860						N4760	N4460	4060	
130 V Models With Class B Temperature Rating Hollow Shaft, Accessory Ready													
8.9	380	8.8	1.8	600	1/4	1.0	280	200	42A5FEPM-GB/H	—	—	7466	—



Type 33A-GB



Type 33A-GB/H Hollow Shaft



Type 42A-GB



Type 42A-GB/H Hollow Shaft

Save Time, Space and Money with Hollow Shaft Gearmotors

Hollow shaft gearmotors connect directly to the driven load, reducing the overall space required by the gearmotor and eliminating expensive shaft couplings, mounting hardware, chains and sprockets. Hollow shaft flange mounting can also eliminate the need for a support bearing one side of a conveyor roller.

¹ SOA: Contact the factory for detailed speed/torque information (Safe Operating Area). See page 19.

² The fifth character of the product type changes from "B" to "F" for accessory ready models.

"N" model numbers require lead time and minimum quantities.