

- Unvented gearhousing
- Flexible mounting and high torque in a compact package
- Face-mount from drive shaft side
- Models with accessory shafts are ideal for mounting encoders or brakes
- See page 34 for capacitors and terminal boxes
- See page 37 for reference dimensions

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



Type 42R-HG Pacesetter

Fixed Speed Rating					Variable Speed (SOA) Ratings <sup>1</sup>					Radial Load (lbs.)	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.)
<b>Three -Phase, Inverter duty, Non-synchronous (TEFC)</b>													
16	1,000	3/8	1.9	108	2-21	10-90	variable	896	1,000	896	350	42R6BFPP-HG	2245
30	600			56	3-41			464	776	464			N2247
38	480			45	4-51			373	623	373			N2248
63	289			27	7-85			224	368	224			2249

**Fixed Speed—AC Gearmotors**



Type 42R-HG

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 (TEFC)</b>											
<b>CAPACITOR IS REQUIRED</b>											
16	599	1/5	115	60	1	2.7	108	350	30.0/250	42R6BFCI-HG	N5255
30	310						56				5257
38	250						45				N5258
63	150						27				N5259

**Permanent Magnet DC Gearmotors**



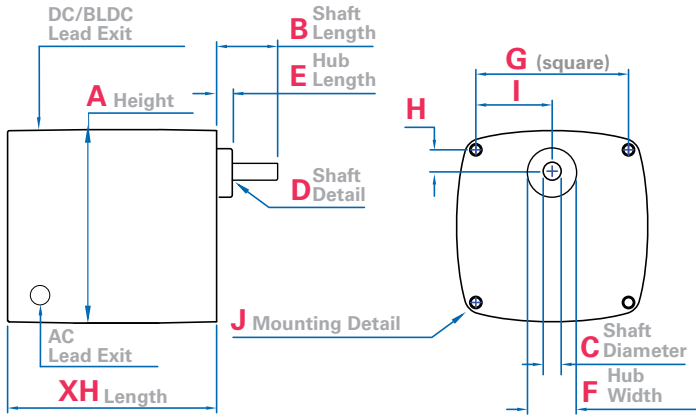
Type 33A-HG

Speed (rpm)	Rated Torque (lb-in.)	Rated Current (Amps)		Motor HP	Gear Ratio	Radial Load (lbs.)	Product Type <sup>2</sup>	Accy Shaft	No Accy Shaft	Accy Shaft	No Accy Shaft
		24V	90/130V					24V		90/130V	
<b>24V Models With Class F Temperature Rating</b>											
23	680	12	—	1/3	108	350	33A7BEPH-HG	N6823	N6423	—	—
45	353				56			6845	N6445	—	—
56	284				45			N6856	6456	—	—
93	170				27			N6893	N6493	—	—
<b>90/130V Models With Class F Temperature Rating</b>											
16 / 23	481 / 680	—	1.8 / 2.4	1/6 / 1/3	108	350	33A7BEPH-HG	—	—	N6323	6023
31 / 45	249 / 353				56			—	—	6345	N6045
38 / 56	200 / 284				45			—	—	N6356	N6056
64 / 93	120 / 170				27			—	—	N6393	6093

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

<sup>2</sup> The fifth digit of the product type changes from "B" to "F" for accessory ready models.

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



**Gearhead Type K-2A/T, 30R-D, pages 4-5**

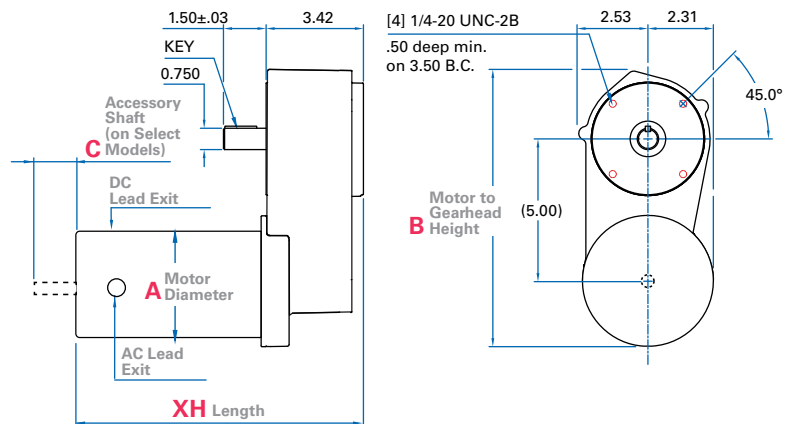
	Product Type	Wt. (lbs.)	XH Length (square)	A Height (square)	B Shaft Length	C Shaft Diameter	D Shaft Detail	E Hub Length	F Hub Width	G Mounting Pattern Width	H Shaft Center to Mounting Hole	I Shaft Center to Mounting Hole	J Mounting Detail	Lead/Cord Length (in.)
<b>Type K-2 Gearmotor</b>														
<b>K-2T</b>	22	2.2	2.539	2.38	1.00	.250	Flat	.255	.52	1.900	.356	.950	[2]8-32 UNC-2A	12
	23	2.4	2.664											
	24	2.7	3.023											
<b>K-2A</b>	23	2.3	2.507	2.38	1.00	.250	Flat	.255	.52	1.900	.356	.950	[2]8-32 UNC-2A	12
	24	2.6	2.866											
<b>Type 30R-D Gearmotor</b>														
<b>30R-D</b>	30R1	5.8	5.242	3.45	1.56	.500	Flat	.554	1.125	2.652	.582	1.326	[4]10-32 UNF-2B x .38 deep Max.	12
	30R2	6.3	5.492											
	30R4	7.5	6.000											

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

**Gearhead Type HG, page 10**

	Product Type	Weight (lbs.)	XH Length	A Diameter	B Height	C Acc'y Shaft	Lead/Cord Length (in.)
<b>42R-HG</b>	42R6-HG	9.5	9.855	4.73	9.85	No	12
<b>33A-HG</b>	33A7-HG	10.5	10.547	3.39	9.80	Yes	24

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



**Gearhead Type CG, page 11**

	Product Type	Weight (lbs.)	XH Length	A Diameter	B Acc'y Shaft	Lead/Cord Length (in.)
<b>48R-CG</b>	48R6-CG	34	12.849	5.917	No	12
<b>42A-CG</b>	42A7-CG	29	12.07	4.262	Yes	24

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

