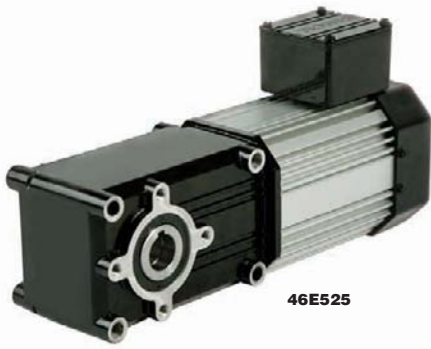




PowerSTAR
BISON



115VAC and 230VAC Hypoid Hollow-Shaft Right-Angle Gearmotors

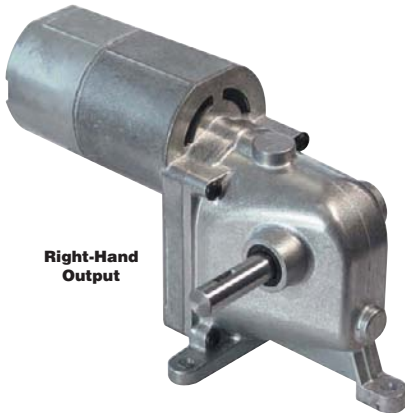
- Enclosure: TEFC
- Gearcase: die-cast aluminum
- Lubrication: extreme-pressure grease
- Gears: hardened steel; 1st stage hypoid AGMA Class 10, subsequent stages are helical AGMA Class 9
- 60 Hz for 115VAC; 6-90 Hz for 230VAC
- Bearings: ball
- Mounting: all-position
- Rotation: reversible
- Thermal protection: none
- Max. ambient: 40°C
- IP-54 rating

medium-duty conveying applications. Lightweight aluminum shell keeps unit running cool, while ground gearing provides quiet, precise, low-backlash operation. Compact profile and mounting is dimensionally interchangeable with Brother F3 series and many European gearmotors. Flange version also available on Grainger.com. For PowerSTAR accessories, see page 85.

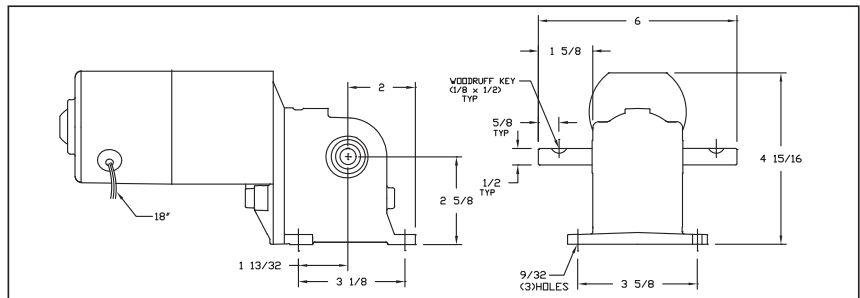
PowerSTAR design delivers higher torque at improved efficiencies for packaging and light-

Nameplate RPM*	Max. Torque	Input HP	Gear Ratio	Full Load Amps*	Overall Length	115VAC, 1 PHASE			230VAC, 3 PHASE, INVERTER DUTY				
						Capacitor Req.	Mfr. Model	Item No.	Full Load Amps*	Overall Length	Mfr. Model	Item No.	
720 Series													
7 RPM	470 in-lb	1/15 hp	240:1	1	13.12 in	24MA47	026-720A0240	46E563	0.39	13.09 in	027-720G0240	46E576	
9.3 RPM	355 in-lb	1/15 hp	180:1	1	13.12 in		026-720A0180	46E562	0.39	13.09 in	027-720G0180	46E575	
16.8 RPM	365 in-lb	1/8 hp	100:1	1.70	14.14 in	24MA48	026-720A0100	46E559	0.63	13.09 in	027-720G0100	46E572	
21 RPM	295 in-lb	1/8 hp	80:1	1.70	14.14 in		026-720A0080	46E558	0.63	13.09 in	027-720G0080	46E571	
33.6 RPM	180 in-lb	1/8 hp	50:1	1.70	14.14 in		026-720A0050	46E556	0.63	13.09 in	027-720G0050	46E569	
42.2 RPM	145 in-lb	1/8 hp	40:1	1.70	14.14 in		026-720A0040	46E555	0.63	13.09 in	027-720G0040	46E568	
56.2 RPM	105 in-lb	1/8 hp	30:1	1.70	14.14 in		026-720A0030	46E554	0.63	13.09 in	027-720G0030	46E567	
84.3 RPM	73 in-lb	1/8 hp	20:1	1.70	14.14 in		026-720A0020	46E553	0.63	13.09 in	027-720G0020	46E566	
112.4 RPM	55 in-lb	1/8 hp	15:1	1.70	14.14 in		026-720A0015	46E552	0.63	13.09 in	027-720G0015	46E565	
168.6 RPM	35 in-lb	1/8 hp	10:1	1.70	14.14 in		026-720A0010	46E551	0.63	13.09 in	027-720G0010	46E564	
725 Series													
9.3 RPM	680 in-lb	1/8 hp	180:1	1.86	13.62 in		41C241	026-725A0180	41C218	0.85	13.62 in	027-725G0180	41C231
11.2 RPM	570 in-lb	1/8 hp	150:1	1.86	13.62 in	026-725A0150		41C217	0.85	13.62 in	027-725G0150	41C230	
14 RPM	450 in-lb	1/8 hp	120:1	1.86	13.62 in	41C242	026-725A0120	41C216	0.85	13.62 in	027-725G0120	41C229	
21 RPM	480 in-lb	1/8 hp	80:1	2.6	15.37 in		026-725A0080	41C227	1.1	13.62 in	027-725G0080	41C240	
28 RPM	360 in-lb	1/8 hp	60:1	2.6	15.37 in		026-725A0060	41C226	1.1	13.62 in	027-725G0060	41C239	
33.6 RPM	300 in-lb	1/8 hp	50:1	2.6	15.37 in		026-725A0050	41C225	1.1	13.62 in	027-725G0050	41C238	
56.2 RPM	180 in-lb	1/8 hp	30:1	2.6	15.37 in		026-725A0030	41C223	1.1	13.62 in	027-725G0030	41C236	
84.3 RPM	120 in-lb	1/8 hp	20:1	2.6	15.37 in		026-725A0020	41C222	1.1	13.62 in	027-725G0020	41C235	
112.4 RPM	90 in-lb	1/8 hp	15:1	2.6	15.37 in		026-725A0015	41C221	1.1	13.62 in	027-725G0015	41C234	
168.6 RPM	60 in-lb	1/8 hp	10:1	2.6	15.37 in		026-725A0010	41C220	1.1	13.62 in	027-725G0010	41C233	
730 Series													
11.2 RPM	1,090 in-lb	1/4 hp	150:1	3.35	14.34 in		24MA49	026-730A0150	46E535	1.55	14.34 in	027-730G0150	46E548
14 RPM	871 in-lb	1/4 hp	120:1	3.35	14.34 in	026-730A0120		46E534	1.55	14.34 in	027-730G0120	46E547	
16.8 RPM	725 in-lb	1/4 hp	100:1	3.35	14.34 in	24MA50	026-730A0100	46E533	1.55	14.34 in	027-730G0100	46E546	
21 RPM	766 in-lb	1/4 hp	80:1	4.84	16.09 in		026-730A0080	46E532	1.70	14.34 in	027-730G0080	46E545	
33.6 RPM	479 in-lb	1/8 hp	50:1	4.84	16.09 in		026-730A0050	46E530	1.70	14.34 in	027-730G0050	46E543	
42.2 RPM	382 in-lb	1/8 hp	40:1	4.84	16.09 in		026-730A0040	46E529	1.70	14.34 in	027-730G0040	46E542	
56.2 RPM	286 in-lb	1/8 hp	30:1	4.84	16.09 in		026-730A0030	46E528	1.70	14.34 in	027-730G0030	46E541	
84.3 RPM	191 in-lb	1/8 hp	20:1	4.84	16.09 in		026-730A0020	46E527	1.70	14.34 in	027-730G0020	46E540	
112.4 RPM	143 in-lb	1/8 hp	15:1	4.84	16.09 in		026-730A0015	46E526	1.70	14.34 in	027-730G0015	46E539	
168.6 RPM	95 in-lb	1/8 hp	10:1	4.84	16.09 in		026-730A0010	46E525	1.70	14.34 in	027-730G0010	46E538	

* @60 Hz.



Right-Hand Output



Dayton

Universal 115VAC/DC Right-Angle Gearmotors

- Enclosure: vented
- Gearcase: die-cast zinc
- Lubrication: grease filled
- Gears: input gear steel; output gear cast iron
- Bearings: bronze sleeve on case and motor
- Mounting: all-position
- 60/50 Hz
- Rotation: reversible
- Thermal protection: none
- Brushes: replaceable; approx. 300-hr. life
- Ambient: 40°C
- Overall depth: 8 7/8"
- Input power: 1/15 HP

Note: Ratings shown are at 60 Hz. Gearmotors are also operable at 50 Hz, with HP and rpm at 5/6 of the 60 Hz rating.

Description	Item No.
Replacement Parts	
AC/DC Input Motor, 115V, 5000 rpm	1MDU9
Brushes, Pkg. of 6	1YNR3

Nameplate RPM	Full Load Torque	Overhung Load	Gear Ratio	Full Load Amps	LEFT HAND OUTPUT Item No.*	RIGHT HAND OUTPUT Item No.	DUAL OUTPUT Item No.
4.5 RPM	250 in-lb	100 lb	1714:1	1.1 A	1LRA6	1LRA7	—
8 RPM	150 in-lb	100 lb	747:1	1.3 A	1LRA4	1LRA5	—
13 RPM	84 in-lb	100 lb	391:1	1.3 A	1LRA2	1LRA3	—
24 RPM	85 in-lb	100 lb	229:1	1.3 A	1LPZ8	1LPZ9	1LRA1 †
55 RPM	39 in-lb	100 lb	100:1	1.3 A	1LPZ5	1LPZ7	—
90 RPM	18 in-lb	100 lb	52:1	1.3 A	1LPZ4	1LPZ6	—

*Output shaft viewed facing lead end of motor. †Double output shaft.