

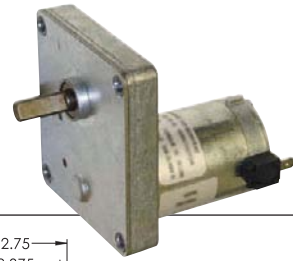
## 12VDC Subfractional Permanent-Magnet Parallel-Shaft Gearmotors



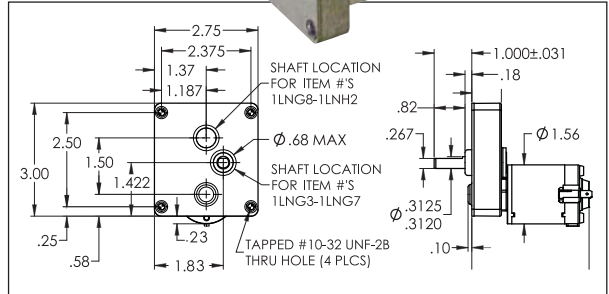
- Enclosure: totally enclosed nonventilated
- Gearcase: die-cast zinc
- Lubrication: grease-filled
- Gears: spur
- Bearings: bronze sleeve on both case and motor

- Mounting: all-position, face
- Rotation: reversible
- Brushes: externally replaceable
- Ambient: 40°C

Nameplate RPM	Max. Torque	Overhung Load	Input HP	Gear Ratio	Full Load Amps	Length Less Shaft	Item No.
0.5 RPM	50 in-lb	40 lb	1/2000	2476:1	0.15 A	3 1/4 in	1LNG3
1.5 RPM	25 in-lb	40 lb	1/1000	931:1	0.16 A	3 1/4 in	1LNG4
4.5 RPM	38.1 in-lb	40 lb	1/200	530:1	0.6 A	3 1/4 in	1LNG6
9 RPM	35 in-lb	40 lb	1/120	492:1	1.0 A	3 1/4 in	1LNG7
12 RPM	40 in-lb	40 lb	1/90	254:1	1.1 A	3 1/4 in	1LNG8
17 RPM	16 in-lb	13 lb	1/160	254:1	0.75 A	3 in	1LNG9
25 RPM	16 in-lb	13 lb	1/150	172:1	1.0 A	3 1/4 in	1LNH1
50 RPM	10 in-lb	13 lb	1/90	74:1	1.1 A	3 1/4 in	1LNH2



1LNG7



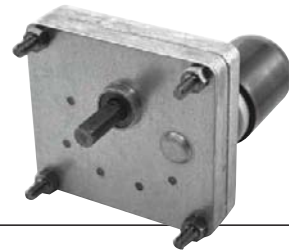
## 12VDC and 24VDC Subfractional Permanent-Magnet Parallel-Shaft Gearmotors



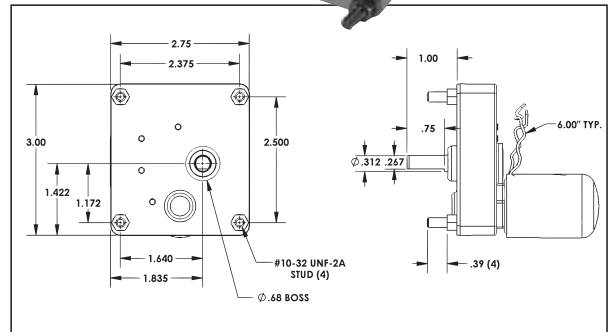
- Enclosure: totally enclosed nonventilated
- Gearcase: die-cast zinc
- Lubrication: grease-filled
- Gears: spur, power metal and steel
- Bearings: bronze sleeve on both case and motor

- Mounting: all-position, face
- Rotation: reversible
- Ambient: 40°C

Nameplate RPM	Max. Torque	Overhung Load	Input HP	Gear Ratio	Full Load Amps	Length Less Shaft	Item No.
<b>12V DC</b>							
0.5 RPM	50 in-lb	30 lb	1/2800	4672:1	0.1 A	3 in	52JE46
1.5 RPM	46 in-lb	30 lb	1/2800	3822:1	0.3 A	3 in	52JE47
3.4 RPM	44 in-lb	30 lb	1/425	1575:1	0.5 A	3 in	52JE48
4.5 RPM	43 in-lb	30 lb	1/325	2027:1	0.7 A	3 in	52JE49
8.8 RPM	41 in-lb	30 lb	1/175	938.2:1	1.0 A	3 in	52JE50
12 RPM	40 in-lb	30 lb	1/125	594.4:1	1.3 A	3 in	52JE51
17 RPM	30 in-lb	30 lb	1/125	384:1	1.4 A	3 in	52JE52
25 RPM	20 in-lb	30 lb	1/125	273.8:1	1.3 A	3 in	52JE53
50 RPM	10 in-lb	30 lb	1/125	139.8:1	1.1 A	3 in	52JE54
<b>24V DC</b>							
1.3 RPM	50 in-lb	30 lb	1/230	4672:1	0.16 A	3 in	52JE55
4.4 RPM	50 in-lb	30 lb	1/230	2478:1	0.35 A	3 in	52JE56
8 RPM	34 in-lb	30 lb	1/200	1430.8:1	0.38 A	3 in	52JE57
12 RPM	24 in-lb	30 lb	1/200	938.2:1	0.38 A	3 in	52JE58
22 RPM	50 in-lb	30 lb	1/50	300:1	1.4 A	3 3/64 in	52JE59
45 RPM	28 in-lb	30 lb	1/50	78.6:1	1.4 A	3 3/64 in	52JE60



52JE46



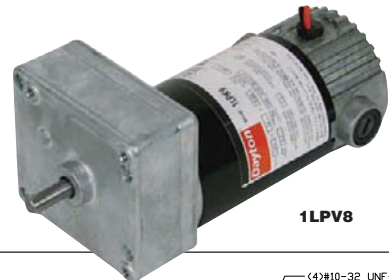
## 12VDC and 90VDC Permanent-Magnet Parallel-Shaft Gearmotors



- Enclosure: totally enclosed nonventilated
- Gearcase: die-cast zinc
- Lubrication: grease-filled
- Gears: heat-treated steel and acetal
- Bearings: porous bronze sleeve on case; ball on motor
- Mounting: all-position

- Rotation: reversible
- Brushes: externally replaceable
- Ambient: 40°C
- Seals: O-ring type on output shaft
- 90VDC models accept direct motor-mount speed control 2PUX3 (sold separately on Grainger.com)

Nameplate RPM	Max. Torque	Overhung Load	Input HP	Gear Ratio	Full Load Amps	Length Less Shaft	Item No.
<b>12V DC</b>							
6 RPM	50 in-lb	50 lb	1/30	430:1	2.1 A	6 1/8 in	1LPV8
9 RPM	50 in-lb	50 lb	1/30	273:1	2.1 A	6 1/8 in	1LPV7
17 RPM	50 in-lb	50 lb	1/30	141:1	2.1 A	5 1/8 in	1LPV6
24 RPM	40 in-lb	50 lb	1/30	100:1	2.1 A	5 1/8 in	1LPV5
39 RPM	26 in-lb	50 lb	1/30	62:1	2.1 A	5 1/8 in	1LPV4
76 RPM	13 in-lb	50 lb	1/30	32:1	2.1 A	5 1/8 in	1LPV3
<b>90V DC</b>							
7 RPM	50 in-lb	50 lb	1/30	430:1	0.35 A	6 1/8 in	1LPV9
11 RPM	50 in-lb	50 lb	1/30	273:1	0.35 A	6 1/8 in	1LPW1
21 RPM	50 in-lb	50 lb	1/30	141:1	0.35 A	5 1/8 in	1LPW2
29 RPM	40 in-lb	50 lb	1/30	100:1	0.35 A	5 1/8 in	1LPW3
47 RPM	26 in-lb	50 lb	1/30	62:1	0.35 A	5 1/8 in	1LPW4
93 RPM	13 in-lb	50 lb	1/30	32:1	0.35 A	5 1/8 in	1LPW5
<b>Replacement Motor Brush Sets</b>							
12VDC							6YHY4
90VDC							6YHY3



1LPV8

