

Above NEMA Vertical P-Base Motors

Minimizing the overall footprint of the pump system is ideal, but fitting a large, high horsepower motor can be difficult. The new G-series Vertical P-Base motor can help solve the issue. Offering 225% more power and 30% more thrust in a smaller frame than the previous generation, helps provide a solution to minimize any type of pump system application.

Applications: Pumps

Features:

- 200 - 900 HP
- G5010 - G5012 frame sizes
- 460, 2300, 4160 or 6600 Volts
- 2 - 12 Pole
- Totally Enclosed Fan Cooled (TEFC)
- Grease lubricated ball bearing on drive end
- Thrust bearing on non-drive end (upper)
- Vertical P-Base mounting
- Continuous duty
- 650% starting current for standard torque applications
- Cast iron frame with steel fan cover

Optional Features:

- IEEE841 certification available
- API 541/547 and API 610 certifications available
- Single Angular Contact, Duplex, and Tandem bearings available
- Oil lubrication available
- Non-reverse ratchet



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**G-Series Vertical Motor, 200 thru 900 HP
TEFC, 2-12 Pole,
G5010 - G5012 Frame Sizes**

External Thrust Capabilities

Grease Lube

Frame	Enclosure	RPM	Grease Lube - Ball Bearing		
			L10 Life (Hours)		
			8800	26,400	50,000
			Downthrust (lbs.)		
G5010	TEFC	3600	490	-	-
		1800	1,640	450	-
		1200	1,550	200	-
		900	2,000	450	-
G5012	TEFC	1800	1,150	-	-
		1200	950	-	-
		900	1,350	-	-

Frame	Enclosure	RPM	Grease Lube - Angular Contact Bearing		
			L10 Life (Hours)		
			8800	26,400	50,000
			Downthrust (lbs.)		
G5010	TEFC	3600	2,600	1,500	1,000
		1800	7,100	4,400	3,200
		1200	7,700	4,500	3,200
		900	8,600	5,100	3,600
G5012	TEFC	1800	6,700	3,900	2,700
		1200	7,100	3,900	2,600
		900	8,000	4,500	3,000

Oil Lube

Frame	Enclosure	RPM	Oil Lube - Tandem		
			L10 Life (Hours)		
			8800	26,400	50,000
			Downthrust (lbs.)		
G5010	TEFC	3600	7,400	4,800	3,700
		1800	23,400	15,700	12,300
		1200	26,300	17,400	13,600
		900	29,100	19,300	15,100
G5012	TEFC	1800	22,900	15,200	11,800
		1200	25,700	16,800	13,000
		900	28,500	18,700	14,500

Frame	Enclosure	RPM	Oil Lube - Duplex (Back to Back)		
			L10 Life (Hours)		
			8800	26,400	50,000
			Downthrust (lbs.)		
G5010	TEFC	3600	4,100	2,500	1,800
		1800	13,600	8,900	6,800
		1200	15,100	9,700	7,300
		900	16,800	10,800	8,200
G5012	TEFC	1800	13,100	8,400	6,300
		1200	14,500	9,100	6,700
		900	16,200	10,200	7,600

Frame	Enclosure	RPM	Oil Lube - Single Angular Contact		
			L10 Life (Hours)		
			8800	26,400	50,000
			Downthrust (lbs.)		
G5010	TEFC	3600	4,100	2,600	1,800
		1800	13,700	9,000	6,900
		1200	15,200	9,800	7,400
		900	16,900	10,900	8,300
G5012	TEFC	1800	13,300	8,500	6,400
		1200	14,600	9,100	6,800
		900	16,300	10,300	7,700

Note: For additional information and thrust values not in the table above please contact your local Baldor representative.



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