

SPECIFICATIONS

P-Base Motors

Above NEMA vertical



BALDOR • RELIANCE

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

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.

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

G-Series Vertical Motor, TEFC, 2-12 Pole, 200 thru 900 HP

Grease Lube - Ball Bearing			
Frame	RPM	8800	26,400
			L10 Life (Hours)
			50,000
			Downthrust (lbs.)
G5010	3600	490	-
	1800	1,640	450
	1200	1,550	200
	900	2,000	450
G5012	1800	1,150	-
	1200	950	-
	900	1,350	-
Grease Lube - Angular Contact Bearing			
Frame	RPM	8800	26,400
			L10 Life (Hours)
			50,000
			Downthrust (lbs.)
G5010	3600	2,600	1,500
	1800	7,100	4,400
	1200	7,700	4,500
	900	8,600	5,100
G5012	1800	6,700	3,900
	1200	7,100	3,900
	900	8,000	4,500
Oil Lube - Tandem			
Frame	RPM	8800	26,400
			L10 Life (Hours)
			50,000
			Downthrust (lbs.)
G5010	3600	7,400	4,800
	1800	23,400	15,700
	1200	26,300	17,400
	900	29,100	19,300
G5012	1800	22,900	15,200
	1200	25,700	16,800
	900	28,500	18,700
Oil Lube - Duplex (Back to Back)			
Frame	RPM	8800	26,400
			L10 Life (Hours)
			50,000
			Downthrust (lbs.)
G5010	3600	4,100	2,500
	1800	13,600	8,900
	1200	15,100	9,700
	900	16,800	10,800
G5012	1800	13,100	8,400
	1200	14,500	9,100
	900	16,200	10,200
Oil Lube - Single Angular Contact			
Frame	RPM	8800	26,400
			L10 Life (Hours)
			50,000
			Downthrust (lbs.)
G5010	3600	4,100	2,600
	1800	13,700	9,000
	1200	15,200	9,800
	900	16,900	10,900
G5012	1800	13,300	8,500
	1200	14,600	9,100
	900	16,300	10,300

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

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