



SUB-FHP AC GEARMOTORS
PARALLEL SHAFT GEARMOTORS

12-100 In-Lbs
Output Torque

Design Specifications:

Single phase gearmotors, totally enclosed for continuous duty, general purpose applications. Permanent split capacitor designs are rated for 115 VAC 60 hertz input, and have starting torques equal to the running torques. The inline gearing is of precision machined steel, with first stage steel helical gear followed by spur type gears. Lubrication is by semi-fluid grease, reducing possibility of leakage and providing permanent lubrication. Output shafts have needle bearings for high load capacities. Shafts are hardened steel.

Application Notes:

These gearmotors are designed for mounting at any angle, but shaft up with motor below should be avoided to prevent leakage of lubricant into the motor should the motor's shaft seal fail. If these gearmotors are stalled, gearhead damage may result, especially in the ratios of 60:1 and higher. Provisions to limit the torque are recommended. The torque values listed are the recommended full load torque values for reasonable gear life. Overhung load capacities shown are at center of output shaft. All PZ Series gearmotors are supplied with continuous duty "run" capacitor. **Conduit box not supplied with motor.** See page 179 for optional conduit box. Model PZ gearmotors have the same mounting dimensions as Bodine model D and Z gearmotors, Bison 100 gearmotors, and Baldor/Boehm PSS, plus many of the Dayton gearmotors. For additional information, see Bulletin 1830.



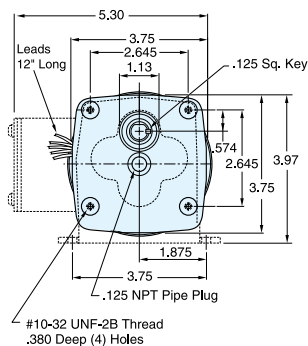
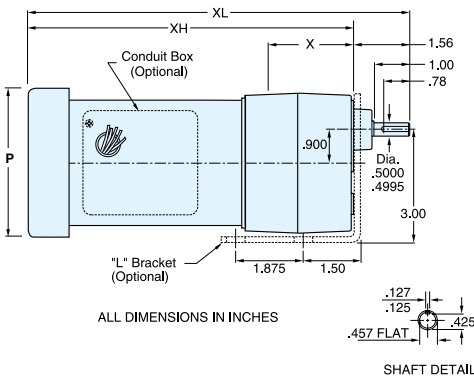
PZ SERIES AC GEARMOTORS
PARALLEL SHAFT • TEFC • 115V • SINGLE PHASE
40°C AMBIENT • 1.0 SERVICE FACTOR

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Gearmotor Type & Frame	Ratio to 1	F.L. Amps 115 VAC	Overhung Load (Lb.)	DIMENSIONS				Capacitor Mfd. 240 VAC
								P	X	XL	XH	
2	100	1/150	M1125050.00'	PZ5-31	900	0.4	155	3.07	3.23	8.71	7.15	3.0
9	100	1/15	M1125127.00	PZ4-31	180	0.9	155	3.88	3.23	10.42	8.86	10.0
19	100	1/15	M1125128.00	PZ4-31	90	0.9	155	3.88	3.23	10.42	8.86	10.0
28	100	1/15	M1125129.00	PZ3-31	60	0.9	155	3.88	2.43	9.62	8.06	10.0
57	56	1/15	M1125130.00	PZ3-31	30	0.9	171	3.88	2.43	9.62	8.06	10.0
94	36	1/15	M1125131.00	PZ3-31	18	0.9	171	3.88	2.43	9.62	8.06	10.0
142	24	1/15	M1125132.00	PZ2-31	12	0.9	180	3.88	2.13	9.32	7.76	10.0
283	12	1/15	M1125133.00	PZ2-31	6	0.9	180	3.88	2.13	9.32	7.76	10.0

TENV enclosure

BODINE/BISON/DAYTON
DIRECT INTERCHANGE

PZ SERIES - AC



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"L" BRACKET AND CONDUIT BOX	179