

**SCR RATED:
25-371 In-Lbs Torque**

**LOW VOLTAGE:
155-341 In-Lbs Torque**

Electrical Specifications:

SCR Rated Gearmotors

Totally enclosed, permanent magnet DC gearmotors, performance matched for continuous duty service over a 60:1 speed range. All have constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4.



Low Voltage Gearmotors

Totally enclosed, permanent magnet DC gearmotors, performance matched for continuous duty. Motors are designed for battery power or can be used with a low voltage controller with form factor up to 1.05.

Mechanical Specifications:

Gearbox has rugged aluminum die cast housing, for maximum gear and bearing support. Precision machined gearing, hardened for maximum load capability. All gearing designed and rated to AGMA Class 9 standards and to withstand momentary shock overload of 200%. Oversized output bearings for greater overhung load capacity and longer life. High-carbon alloy output shaft provides maximum strength and rigidity. All needle bearing journals are precision-ground after heat treating, to provide maximum finish and fit. Heavy-duty industrial oil seals help keep lubricant in and dirt out. Gears and bearings are splash lubricated with permanent, heavy-duty gear oil.

Conduit box not included with motor. Optional conduit box shown on page 179.

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.

Overhung load capacities shown are at center of output shaft.

The motor's stall torque exceeds recommended full load torques. A current limiting device such as an SCR control should be used to prevent damage.

Model PE350 gearmotors have the same mounting dimensions as Bodine's "E" box and many Baldor gearmotors.

**PE350 SERIES DC • SCR RATED
PARALLEL SHAFT • TENV • 1.0 SERVICE FACTOR**

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Type & Frame	Ratio to 1	Arm Volts DC	F.L. Amps DC	Overhung Load Lbs.	DIMENSIONS XL Inches	XH Inches
7	330	1/8	M1135106.00	P353-34	336	90	0.70	565	11.31	9.31
7	330	1/8	M1135139.00	P353-34	336	180	0.35	565	11.31	9.31
14	341	1/8	M1135107.00	P353-34	180	90	1.00	465	11.31	9.31
14	341	1/8	M1135140.00	P353-34	180	180	0.50	465	11.31	9.31
21	371	1/4	M1135117.00	P353-34	124	90	1.10	413	13.31	11.31
21	371	1/4	M1135141.00	P353-34	124	180	0.55	413	13.31	11.31
27	305	1/4	M1135115.00	P353-34	91	90	1.50	374	13.31	11.31
27	305	1/4	M1135142.00	P353-34	91	180	0.75	374	13.31	11.31
42	280	1/4	M1135108.00	P353-34	58	90	2.30	327	13.31	11.31
42	280	1/4	M1135143.00	P353-34	58	180	1.20	327	13.31	11.31
50	250	1/4	M1135109.00	P353-34	50	90	2.30	315	13.31	11.31
50	250	1/4	M1135144.00	P353-34	50	180	1.20	315	13.31	11.31
62	220	1/4	M1135110.00	P353-34	43	90	2.30	303	13.31	11.31
62	220	1/4	M1135145.00	P353-34	43	180	1.20	303	13.31	11.31
83	155	1/4	M1135114.00	P352-34	29	90	2.30	267	13.31	11.31
83	155	1/4	M1135146.00	P352-34	29	180	1.20	267	13.31	11.31
125	100	1/4	M1135111.00	P352-34	23	90	2.00	256	13.31	11.31
125	100	1/4	M1135147.00	P352-34	23	180	1.00	256	13.31	11.31
165	70	1/4	M1135112.00	P352-34	15	90	2.00	232	13.31	11.31
165	70	1/4	M1135148.00	P352-34	15	180	1.00	232	13.31	11.31
250	45	1/4	M1135116.00	P352-34	10	90	2.00	201	13.31	11.31
250	45	1/4	M1135149.00	P352-34	10	180	1.00	201	13.31	11.31
500	25	1/4	M1135113.00	P352-34	5	90	2.00	194	13.31	11.31
500	25	1/4	M1135150.00	P352-34	5	180	1.00	194	13.31	11.31

GEARMOTORS

**PE350 SERIES DC • LOW VOLTAGE (12V)
PARALLEL SHAFT • TENV • 1.0 SERVICE FACTOR**

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Type & Frame	Ratio to 1	Arm Volts DC	F.L. Amps DC	Overhung Load Lbs.	DIMENSIONS XL Inches	XH Inches
14	341	1/8	M1135243.00	P353-34	180	12	8.7	465	11.05	9.05
42	325	1/4	M1135244.00	P353-34	58	12	21.0	327	13.31	11.31
62	220	1/4	M1135245.00	P353-34	43	12	21.0	303	13.31	11.31
83	155	1/4	M1135246.00	P352-34	29	12	21.0	267	13.31	11.31

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