

## Gearmotors

### PE350 Series - Parallel Shaft - DC

#### SCR Rated - 25-371 In-Lbs. Torque Low Voltage - 155-341 In-Lbs Torque



#### General Specifications - SCR Rated Gearmotors:

- Performance matched for continuous duty service over 60:1 speed range
- 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

#### General Specifications - Low Voltage Gearmotors:

- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

#### Features:

- Rugged die cast aluminum gear 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 long life
- High carbon alloy output shaft provides maximum strength and rigidity
- All needle bearing journals are precision ground after heat treating to provide maximum fit and finish
- Heavy duty industrial oil seals keep lubricant in and dirt out
- Gears and bearings are splash lubricated with permanent, heavy duty gear oil
- Optional conduit box available, see page 342

#### Application Notes:

- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Motor's stall torque could exceed recommended full load torques. A current limiting device such as an SCR control should be used to prevent damage. This issue is even more critical for low voltage motors, typically no controller is used since motor is connected directly to a battery, so some type of current limit or fusing should be considered
- Overhung load capacities shown are at center of output shaft
- **Bodine/Baldor direct interchange**

SCR Rated - 25-371 In-Lbs. Torque  
Low Voltage - 155-341 In-Lbs Torque

### 90 & 180 Volts - TENV - PE350 Series

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock
7	330	1/8	M1135106.00	✓
	330	1/8	M1135139.00	✓
14	341	1/8	M1135107.00	✓
	341	1/8	M1135140.00	✓
21	371	1/4	M1135117.00	✓
	371	1/4	M1135141.00	✓
27	305	1/4	M1135115.00	✓
	305	1/4	M1135142.00	✓
42	280	1/4	M1135108.00	✓
	280	1/4	M1135143.00	✓
50	250	1/4	M1135109.00	✓
	250	1/4	M1135144.00	✓
62	220	1/4	M1135110.00	✓
	220	1/4	M1135145.00	✓
83	155	1/4	M1135114.00	✓
	155	1/4	M1135146.00	✓
125	100	1/4	M1135111.00	✓
	100	1/4	M1135147.00	✓
165	70	1/4	M1135112.00	✓
	70	1/4	M1135148.00	✓
250	45	1/4	M1135116.00	✓
	45	1/4	M1135149.00	✓
500	25	1/4	M1135113.00	✓
	25	1/4	M1135150.00	✓

Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over- hung Load (lb.)	Dimensions (inches)		♥Notes
						XL	XH	
M34D25NZ62	P353-34	336	90	0.7	565	11.31	9.31	S, US
M34D25NZ71	P353-34	336	180	0.4	565	11.31	9.31	S, US
M34D25NZ61	P353-34	180	90	1.0	465	11.31	9.31	S, US
M34D25NZ72	P353-34	180	180	0.5	465	11.31	9.31	S, US
M34D25NZ52	P353-34	124	90	1.1	413	13.31	11.31	S, US
M34D25NZ73	P353-34	124	180	0.6	413	13.31	11.31	S, US
M34D25NZ51	P353-34	91	90	1.5	374	13.31	11.31	S, US
M34D25NZ74	P353-34	91	180	0.8	374	13.31	11.31	S, US
M34D25NZ53	P353-34	58	90	2.3	327	13.31	11.31	S, US
M34D25NZ75	P353-34	58	180	1.2	327	13.31	11.31	S, US
M34D25NZ54	P353-34	50	90	2.3	315	13.31	11.31	S, US
M34D25NZ76	P353-34	50	180	1.2	315	13.31	11.31	S, US
M34D25NZ55	P353-34	43	90	2.3	303	13.31	11.31	S, US
M34D25NZ77	P353-34	43	180	1.2	303	13.31	11.31	S, US
M34D25NZ57	P352-34	29	90	2.3	267	13.31	11.31	S, US
M34D25NZ78	P352-34	29	180	1.2	267	13.31	11.31	S, US
M34D25NZ56	P352-34	23	90	2.0	256	13.31	11.31	S, US
M34D25NZ79	P352-34	23	180	1.0	256	13.31	11.31	S, US
M34D25NZ58	P352-34	15	90	2.0	232	13.31	11.31	S, US
M34D25NZ80	P352-34	15	180	1.0	232	13.31	11.31	S, US
M34D25NZ60	P352-34	10	90	2.0	201	13.31	11.31	S, US
M34D25NZ81	P352-34	10	180	1.0	201	13.31	11.31	S, US
M34D25NZ59	P352-34	5	90	2.0	194	13.31	11.31	S, US
M34D25NZ82	P352-34	5	180	1.0	194	13.31	11.31	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

### 12 Volts - TENV - PE350 Series

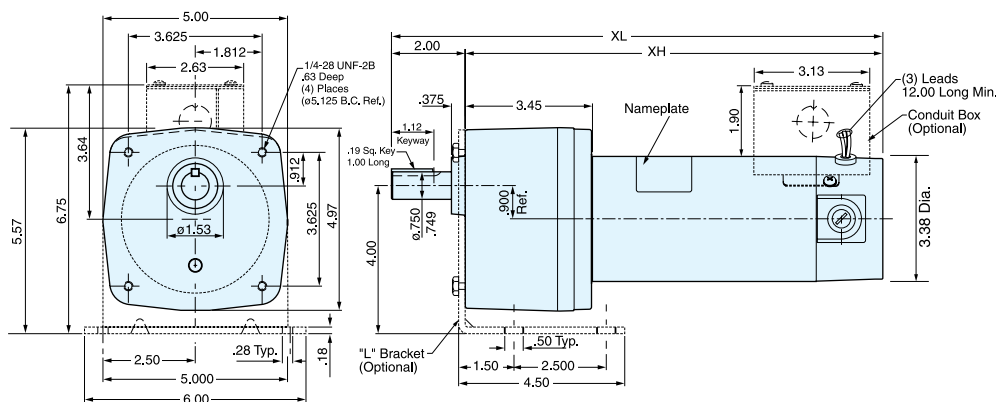
Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock
14	341	1/8	M1135243.00	✓
42	325	1/4	M1135244.00	✓
62	220	1/4	M1135245.00	✓
83	155	1/4	M1135246.00	✓

Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over- hung Load (lb.)	Dimensions (inches)		♥Notes
						XL	XH	
M34D25NZ154	P353-34	180	12	8.7	465	11.05	9.05	S, US
M34D25NZ155	P353-34	58	12	21.0	327	13.31	11.31	S, US
M34D25NZ156	P353-34	43	12	21.0	303	13.31	11.31	S, US
M34D25NZ157	P352-34	29	12	21.0	267	13.31	11.31	S, US

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♥ Note listing on inside back flap

### PE350 SERIES - DC



ALL DIMENSIONS IN INCHES

