

General Specifications:

DC permanent magnet gearmotors rated for continuous duty. Designed for use with fullwave non-filtered SCR controls or battery supplied low voltage for adjustable speed applications requiring constant torque throughout the speed range.



Mechanical Specifications:

Gearbox output shafts are coated with Mirolon 3300 fortified Teflon for superior corrosion resistance.

Frame, endshields, armature and interior components protected by enamel and polyester compounds for resistance to moisture, acids, alkalies and oil.

Cast conduit box with threaded conduit holes and Nitrile gaskets keep water out. The conduit box cover is made from 304 stainless steel.

For any condensation that may accumulate inside the motor, a one-way stainless steel vapor vent is provided. All hardware is stainless steel. Motor painted with white epoxy for superior corrosion resistance and protection. Machined fits between the endbells and motor frame are sealed with gaskets. Thru-bolt heads and nuts sealed with fiber washers. O-rings under each threaded brush cover.

Precision machined in-line steel gears, with a first stage steel helical gear followed by spur-type gears. Lubrication is permanent semi-fluid grease, reducing possibility of leakage. Output shafts have needle bearings for high load capacities.

Application Notes:

LEESON WASHGUARD motors are designed for extended life in applications requiring regular washdown or otherwise wet environments. Washguard motors retard the entrance of water. Extra protection for the motor's interior prevents rust and corrosion build-up and releases trapped moisture to insure a longer life than possible with a standard motor.

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 shaft seal fail.

Overhung load capacities shown are at center of the output shaft.

The motor's stall torque exceeds recommended full load torques for the gearboxes. A current limiting device should be used to prevent damage to the gear sets.

P300 SERIES • SCR RATED • 90V PARALLEL SHAFT • TENV • 1.0 SERVICE FACTOR

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	Full Load Amps DC	Overhung Load (Lbs.)	DIMENSIONS				
									P	PB	X Inches	XL	XH
5	353	1/20	M1125261.00	P303-31	336	90	.81	565	3.13	3.80	3.54	10.44	8.94
31	220	1/6	M1125262.00	P303-31	58	90	1.6	327	3.13	3.80	3.54	11.94	10.44
51	130	1/6	M1125263.00	P302-31	35	90	1.6	277	3.13	3.80	3.54	11.94	10.44
94	77	1/6	M1125264.00	P302-31	19	90	1.6	236	3.13	3.80	3.54	11.94	10.44
167	43	1/6	M1125265.00	P302-31	11	90	1.6	197	3.13	3.80	3.54	11.94	10.44

P300 SERIES • LOW VOLTAGE (12V) PARALLEL SHAFT • TENV • 1.0 SERVICE FACTOR

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	Full Load Amps DC	Overhung Load (Lbs.)	DIMENSIONS				
									P	PB	X Inches	XL	XH
5	353	1/20	M1125266.00	P303-31	336	12	6.4	565	3.13	3.80	3.54	10.44	8.94
31	220	1/6	M1125267.00	P303-31	58	12	11.0	327	3.13	4.43	3.54	11.44	9.94



White Duck

