

IP55 WASHGUARD GEARMOTORS

RIGHT ANGLE



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 303 stainless steel.

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

This worm-type right-angle gearing features hardened, steel worm with bronze worm wheel for long life and quiet operation. Precision machined aluminum housings are used. Gearbox has all ball bearings. The housing is sealed and lubrication is permanent with an oil bath.

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.

For optimum seal life, these right-angle gearmotors have a lubrication breather positioned for horizontal mounting. For other mountings, the breather plug must be reoriented by using a 90 1/8 NPT taper pipe elbow. See page 169 or 178 for diagram.

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.

RIGHT ANGLE • SCR RATED 90V 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	Over-hung Load (Lbs.)	DIMENSIONS				
									P	PB	X Inches	XL	XH
42	80	1/8	M1125275.00	13F60-31	60	90	2.2	235	3.13	3.80	4.50	10.86	6.36
250	25	1/8	M1125276.00	13F10-31	10	90	2.2	235	3.13	3.80	4.50	10.86	6.36
62	135	1/4	M1125277.00	13F40-32	40	90	3.7	235	3.25	3.80	4.50	12.86	8.36
125	90	1/4	M1125278.00	13F20-32	20	90	3.7	235	3.25	3.80	4.50	12.86	8.36
250	50	1/4	M1125279.00	13F10-32	10	90	3.7	235	3.25	3.80	4.50	12.86	8.36

RIGHT ANGLE • LOW VOLTAGE 12V 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	Over-hung Load (Lbs.)	DIMENSIONS				
									P	PB	X Inches	XL	XH
62	135	1/4	M1125280.00	13F40-32	40	12	28	235	3.25	4.43	4.50	12.36	7.86
125	90	1/4	M1125281.00	13F20-32	20	12	28	235	3.25	4.43	4.50	12.36	7.86



White Duck

13 SERIES - DC

