



NEMA FRAME • WASHGUARD

LEESON WASHGUARD

motors are designed for extended life in applications requiring regular washdown as in food processing, or otherwise wet, high humidity environments. WASHGUARD motors retard the entrance of water during cleaning operations and release any water that does enter the motor. Extra protection for the motor's interior prevents rust and corrosion build-up and drains release trapped moisture to insure a longer life than possible with a standard motor.



Mechanical Protection Features:

High quality, corrosion resistant 303 stainless steel shaft plus lubricated spring-loaded contact seals and patented "V" ring Forsheda seal deflect water, protect bearings and the motor's interior. Double sealed, oversized bearings with high temperature moisture resistant lubricant are used.

Frame, base, endshields, armature and interior components protected by enamel and polyester compounds of outstanding adhesion and resistance to moisture, acids, alkalies and oil.

Cast conduit box with threaded entrance, drain holes and tough, high temperature Nitrile gaskets keep water out and resist deflection under high pressure washdowns. Conduit box cover and fan cover, when used, are type 304 stainless steel.

Four drains in each endshield at 3,6,9, and 12 o'clock purge water, and can be repositioned for maximum effectiveness regardless of the motor's mounting. Machined fits are sealed, and nylon gaskets are used to seal bolt heads. Stainless steel data plate.

Chemically inert static free fan is positively positioned on the shaft by opposing flats, shoulder and snap ring arrangement and protected by heavy gauge, stainless steel fan guards. Finished in USDA approved tough white epoxy for superior corrosion resistance and protection against harsh caustic cleaning solutions.

WASHGUARD • NEMA C FACE • REMOVABLE BASE
TENV • SCR RATED 90 & 180 VOLT S

HP	Full Load RPM	NEMA Frame	Catalog Number	Disc. Sym.	App. Wgt. (lbs.)	Arm. Volts DC	Control Volts AC Input	F.L. Amps DC	"C" Dim. (Inches)
1/4	1750	S56C	108423	A	23	90	115	2.7	10.69
	1750	SS56C	098375	A	21	180	230	1.4	10.22
1/3	1750	S56C	108424	A	26	90	115	3.5	11.69
	1750	SS56C	098376	A	22	180	230	1.7	10.22
1/2	1750	S56C	108226	A	38	90	115	4.9	13.69
	1750	S56C	108227	A	43	180	230	2.4	13.69
3/4	1750	S56C	108228	A	53	90	115	7.0	15.69
	1750	S56C	108229	A	50	180	230	3.5	15.69
1	1750	S56C	108230**	A	45	90	115	10.0	15.81
	1750	S56C	108231**	A	42	180	230	5.0	14.81
1 1/2	1750	S56C	108232**	A	50	180	230	7.6	16.81

** These motors are totally enclosed fan cooled.

⌚ If base is removed, do not reinstall bolts without using washers to compensate for the thickness of base.

▲ These WASHGUARD motors are modular design but stocked with B5 flange and B3 foot. The foot is removable. The B5 flange can be replaced with a B14 face or other diameter B5 flanges noted on page 85.



PREMIUM STAINLESS STEEL DUCK

NEMA FRAME ALL-STAINLESS PMDC MOTORS



TEFC • SCR RATED 90 & 180V • NEMA ALL-STAINLESS STEEL • C-FACE WITH BASE*

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Disc. Sym.	App. Wgt. (lbs.)	Arm. Volts DC	Control Volts AC Input	F.L. Amps DC	"C" Dim. (Inches)
1/4	1750	S56C	109065 ●	A	38	90	115	3.1	11.81
1/3	1750	S56C	109066 ●	A	44	90	115	3.8	12.81
	1750	S56C	109067 ●	A	44	180	230	1.9	12.81
1/2	1750	S56C	109069	A	46	90	115	5.2	13.87
	1750	S56C	109070	A	46	180	230	2.7	13.87
3/4	1750	S56C	109072	A	47	90	115	7.5	15.37
	1750	S56C	109073	A	48	180	230	3.7	15.37
1	1750	S56C	109075	A	51	90	115	9.5	16.37
	1750	S56C	109076	A	50	180	230	5.0	16.37

- These motors are totally enclosed non-ventilated, others are TEFC.
- * Base is welded to frame and not removable.

TEFC • SCR RATED 90 & 180V • NEMA ALL-STAINLESS STEEL • C-FACE LESS BASE

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Disc. Sym.	App. Wgt. (lbs.)	Arm. Volts DC	Control Volts AC Input	F.L. Amps DC	"C" Dim. (Inches)
1/4	1750	S56C	109078 ●	A	38	90	115	3.1	11.81
1/3	1750	S56C	109079 ●	A	44	90	115	3.8	12.81
	1750	S56C	109080 ●	A	44	180	230	1.9	12.81
1/2	1750	S56C	109082	A	46	90	115	5.2	13.87
	1750	S56C	109083	A	46	180	230	2.7	13.87
3/4	1750	S56C	109085	A	47	90	115	7.5	15.37
	1750	S56C	109086	A	48	180	230	3.7	15.37
1	1750	S56C	109088	A	51	90	115	9.5	16.37
	1750	S56C	109089	A	50	180	230	5.0	16.37

- These motors are totally enclosed non-ventilated, others are TEFC.

METRIC (IEC) FRAME PMDC MOTORS

TEFC • SCR RATED 90 & 180V • METRIC (IEC) ALL-STAINLESS STEEL • C-FACE WITH BASE*

HP	Kw	RPM 60 Hz	IEC Frame	Catalog Number	Disc. Sym.	App. Wgt. (lbs.)	Arm. Volts DC	Control Volts AC Input	F.L. Amps DC	"C" Dim. (Inches)
1/3	0.25	1750	80D	109068 ●	A	44	180	230	1.9	12.81
1/2	0.37	1750	80D	109071	A	46	180	230	2.7	13.87
3/4	0.55	1750	80D	109074	A	48	180	230	3.7	15.37
1	0.75	1750	80D	109077	A	50	180	230	5.0	16.37

- These motors are totally enclosed non-ventilated, others are TEFC.
- * Base is welded to frame and not removable.

TEFC • SCR RATED 90 & 180V • METRIC (IEC) ALL-STAINLESS STEEL • C-FACE LESS BASE

HP	Kw	RPM 60 Hz	IEC Frame	Catalog Number	Disc. Sym.	App. Wgt. (lbs.)	Arm. Volts DC	Control Volts AC Input	F.L. Amps DC	"C" Dim. (Inches)
1/3	0.25	1750	80D	109081 ●	A	44	180	230	1.9	12.81
1/2	0.37	1750	80D	109084	A	46	180	230	2.7	13.87
3/4	0.55	1750	80D	109087	A	48	180	230	3.7	15.37
1	0.75	1750	80D	109090	A	50	180	230	5.0	16.37

- These motors are totally enclosed non-ventilated, others are TEFC.