

CHEMICAL SERVICE MOTORS

Mechanical & Electrical Features: Motors of epoxy-coated, steel frame construction, with cast iron endshields, conduit box and steel epoxy coated fan cover. Chemically inert, non-sparking fan. Finish is a tough, epoxy, yellow enamel. Shafts are phosphatized steel, with recessed neoprene shaft slinger.

All feature one-way condensation drains at both ends, and are internally treated with electrically tough, and chemically resistant, resin base compounds, highly resistant to oils, acids, alkalis and heat to resist "inside-out" corrosion. Corrosion resistant steel hardware with an epoxy overcoat. Stainless steel nameplate. Sealed ball bearings, preloaded, suitable for mounting in any position. Class "F" insulation system, copper windings, and 1.15 service factor. These motors meet IEEE 45 and military specifications CCM-1807, including fungus-proofing conforming to MIL-V-173.

The WASHGUARD® All-Stainless Motors shown on page 31 are also appropriate for many chemical applications. The chart on page 31 details the chemical resistance of both the stainless steel parts and the specially-treated aluminum end bells and conduit box.

NOTE: FOR LARGER CHEMICAL SERVICE MOTORS, USE 150-170 SERIES CAST IRON MOTORS FROM PAGES 11-14 AND CHEMICAL SERVICE/SEVERE DUTY CONVERSION KITS.



**CHEMICAL SERVICE MOTORS
THREE PHASE • TEFC • RIGID BASE**

HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	FL Amps 230V	% FL Eff.	"C" Dim. (Inches)
1/2	1725	56	111149	\$316	A	29	208-230/460	2.0	74.0	10.88
3/4	1725	56	111150	351	A	33	208-230/460	2.8	77.0	10.88
1	1725	143T	G120323	496	B	41	208-230/460	3.1	82.5	12.94
1½	1725	145T	G120324	485	B	46	208-230/460	4.4	84.0	12.94
2	1725	145T	G120325	513	B	57	208-230/460	6.0	84.0	14.44



**CHEMICAL SERVICE MOTORS
THREE PHASE • TEFC • C FACE LESS BASE**

HP	RPM 60 Hz	NEMA Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	FL Amps 230V	% FL Eff.	"C" Dim. (Inches)
1/2	1725	56C	111947	\$328	A	34	208-230/460	2.0	74.0	10.88
3/4	3450	56C	113719	337	A	30	208-230/460	2.4	72.0	10.88
	1725	56C	111946	355	A	30	208-230/460	2.8	77.0	10.88
1	3450	56C	113720	393	A	30	208-230/460	3.2	77.1	10.88
	1725	56C	111948	418	A	35	208-230/460	3.8	77.0	11.38
1½	1725	145TC	120492	446	B	42	208-230/460	5.0	78.5	12.31
2	1725	145TC	120493	506	B	46	208-230/460	6.2	81.5	12.81

QUICK REFERENCE

WASHGUARD® ALL-STAINLESS MOTORS	Page 31
IEEE 841 MODIFICATIONS	102
EXPLOSION-PROOF MOTORS	32

Catalog numbers in green are EPACK motors.