

Farm Duty Motors

Definite Purpose Motors

Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

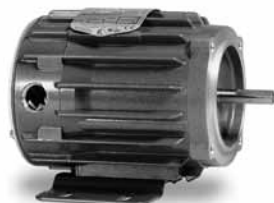
**Single and Three Phase, TENV, Foot or C-Face Mounting, Removable Base**

1/12 thru 1/4 Hp

NEMA 42C

**Applications:** General purpose fractional horsepower applications including pumps, compressors, machine tools, and air handling.

**Features:** C-face with removable base, rugged cast aluminum housing having a dry powder epoxy coating, and ball bearings with the drive end bearing locked.



Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	EISA Status <sup>(a)</sup>	Notes <sup>(a)</sup>
<b>Single Phase</b>												
1/12	3600	42C	CNL20082	223	DS	7.39	10	55	115	1.1	C	2, 20
1/8	1800	42C	CNL20134	243	DS	7.89	11	50	115	1.6	C	2, 20
1/6	3600	42C	CNL20172	251	DS	8.39	13	68	115	1.9	C	2, 20
<b>Three Phase</b>												
1/8	3600	42C	CNM20132	271	DS	7.39	8	64	230/460	0.4	C	2, 20
	1800	42C	CNM20134	294	DS	7.39	10	62	208-230/460	0.4	C	2, 20
1/4	3600	42C	CNM20252	302	DS	7.89	12	72	230/460	0.5	C	2, 20

<sup>(a)</sup> See notes on inside back flap.

■ Cast Iron Frame



**Synchronous Permanent Magnet, Three Phase, TEFC, Foot Mounted**

1 thru 3 Hp

NEMA 145TC thru 182TC

**Applications:** Synchronous permanent magnet motors are designed for those applications requiring inherent, precise, open-loop speed regulation of individual or multiple interconnected operations.

**Features:** Motor design incorporates permanent magnets imbedded in the rotor to form salient poles that synchronize the load to the frequency applied with zero slip. Steel band frames, top mounted steel conduit box, 1.0 service factor, Class F insulation, 40C ambient, continuous duty. Precision balanced with Max Safe Speed = 6,000 RPM. Inverter Ready design suitable for 10:1 Constant Torque speed range.



Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	EISA Status <sup>(a)</sup>	Notes <sup>(a)</sup>
<b>F1 Mounting</b>												
2	1800	145TC	CSPM3558T	3,293	L1	14.17	55	87.5	230/460	2.5	C	
<b>F3 Mounting</b>												
1	1800	145TC	CSPM3546T	2,909	L1	13.29	37	89.5	230/460	1.2	C	
3	1800	182TC	CSPM3611T	3,930	L1	16.56	71	89.5	230/460	4	C	

<sup>(a)</sup> See notes on inside back flap.