

Inverter (Vector) Duty: microMAX™

1000:1 Constant Torque (TENV), 20:1 Constant Torque (TEFC)

Totally Enclosed



Applications: Designed for direct replacement of PMDC or any other variable speed application where up to a 1000:1 constant torque speed range is required. Typical uses include: machine tools, conveyors, packaging machines, batching machines, and printing equipment.

- Features:**
- Replaces 90 volt and 180 volt PMDC motors (when used with AC variable frequency drives)
 - Constant torque operation from 0 to base speed (TENV ratings)
 - Constant torque operation from 1/20 speed to base speed (TEFC ratings)
 - Constant horsepower to twice base speed (RPM)
 - Class H insulation with CR²⁰⁰ magnet wire
 - Removable base for C-Face footless mounting, as noted
 - Continuous duty at 40°C ambient
 - “Quick Connect” terminal board, as noted
 - Top mounted conduit box with pigtail leads (TEFC and 1.5 HP TENV)
 - Eliminates brush and commutator maintenance
 - UL Recognized, CSA Certified, and CE Mark
 - Three year warranty

C-Face Footless

HP	RPM	VOLTS	FRAME	CAT NO.	MODEL NO.	STOCK	LIST PRICE	MULT. SYMB.	F.L. AMPS	“C” DIM.	FOOT NOTES
1/8	1800	230	56C	Y606	56H17T2022	*	\$220	E3	0.7	9.05	N,Q
1/4	1800	230	56C	Y501	56H17T2012	*	\$238	E3	1.0	9.80	N,Q
1/3	1800	230	56C	Y503	56H17T2014	*	\$256	E3	1.2	9.80	N,Q
1/2	1800	230	56C	Y505	56H17T2016	*	\$301	E3	1.8	10.55	N,Q
	1800	230/460	56C	Y374	56H17T2018	*	\$301	E3	1.8/0.9	10.55	N
	1800	575	56C	Y375	56H17T2020	*	\$301	E3	0.7	10.55	N,Q
3/4	1800	230	56C	Y507	56H17F2012	*	\$372	E3	2.8	11.19	
	1800	230/460	56C	Y376	56H17F2018	*	\$372	E3	2.8/1.4	11.19	
	1800	575	56C	Y377	56H17F2016	*	\$372	E3	1.1	11.19	
1	1800	230	56C	Y521	56H17F2014	*	\$419	E3	3.2	12.44	
	1800	230/460	56C	Y378	56H17F2022	*	\$419	E3	3.2/1.6	12.44	
	1800	575	56C	Y379	56H17F2020	*	\$419	E3	1.3	12.44	d

C-Face Footed (Rigid Base)

HP	RPM	VOLTS	FRAME	CAT NO.	MODEL NO.	STOCK	LIST PRICE	MULT. SYMB.	F.L. AMPS	“C” DIM.	FOOT NOTES
1/8	1800	230	56C	Y605	56H17T2021	*	\$220	E3	0.7	9.05	N,Q
1/4	1800	230	56C	Y500	56H17T2011	*	\$238	E3	1.0	9.80	N,Q
1/3	1800	230	56C	Y502	56H17T2013	*	\$256	E3	1.2	9.80	N,Q
1/2	1800	230	56C	Y504	56H17T2015	*	\$301	E3	1.8	10.55	N,Q
	1800	230/460	56C	Y360	56H17T2017	*	\$301	E3	1.8/0.9	10.55	N
	1800	575	56C	Y361	56H17T2019	*	\$301	E3	0.7	10.55	N,Q
3/4	1800	230	56C	Y506	56H17F2011	*	\$372	E3	2.8	11.19	
	1800	230/460	56C	Y362	56H17F2017	*	\$372	E3	2.8/1.4	11.19	
	1800	575	56C	Y363	56H17F2015	*	\$372	E3	1.1	11.19	
1	1800	230	56C	Y508	56H17F2013	*	\$419	E3	3.2	12.44	
	1800	230/460	56C	Y364	56H17F2021	*	\$419	E3	3.2/1.6	12.44	
	1800	575	56C	Y365	56H17F2019	*	\$419	E3	1.3	12.44	
1 1/2	1800	230	145TC	Y522	145THTR5328	*	\$521	E3	4.8	13.48	N,6
	1800	230/460	145TC	Y366	145THTR5329	*	\$521	E3	4.8/2.4	13.48	N,6
	1800	575	145TC	Y367	145THTR5330	*	\$521	E3	1.9	13.48	N,6
2	1800	230	145TC	Y523	145THFR5326	*	\$691	E3	5.8	14.87	6
	1800	230/460	145TC	Y368	145THFR5329	*	\$691	E3	5.8/2.9	14.87	6
	1800	575	145TC	Y369	145THFR5330	*	\$691	E3	2.3	14.87	6

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