

Inverter (Vector) Duty: Black Max® 1000:1 Constant Torque, Totally Enclosed



Applications: Designed for inverter or vector applications where up to a 1000:1 Constant Torque speed range is required. Typical uses include: material handling, machine tools, conveyors, crane and hoist, metal processing, test stands, pumps compressors, textile processing, and other industrial machinery installed in dusty or dirty environments.

Features:

- MAX GUARD® Class F insulation system
- Constant Torque operation from 0 to base speed on Vector Drive
- Constant Horsepower operation up to twice base RPM
- Continuous duty at 40°C ambient
- Optimized for operation with IGBT inverter (NEMA Design A)
- Normally closed thermostats (one per phase, Class F)
- Removable rigid base, as noted
- Ball Bearings
- Field reversible to F2 (except as noted)
- Encoder and brake provisions included on opposite drive end (maximum 10 lb-ft brake, see Modifications and/or Accessory Kits sections)
- UL Recognized, CSA Certified, and CE Mark
- Three year warranty



C-Face Footed (Rigid Base)

HP	RPM	VOLTS	FRAME	OVER LOAD	CAT. NO.	MODEL NO.	STOCK	LIST PRICE	MULT. SYMB.	F.L. AMPS	"C" DIM.	FOOT NOTES
1/4	1800	230/460	56C	TSTAT	Y592	56H17T2001	★	\$349	E3	1.2/0.6	11.88	S,13
1/2	1800	230/460	56C	TSTAT	Y534	56H17T5301	★	\$437	E3	1.6/0.8	13.48	S,6,13
	1800	575	56C	TSTAT	Y555	56H17T5311	★	\$437	E3	0.6	13.48	S,6,13
1	1800	230/460	56C	TSTAT	Y535	56H17T5302	★	\$521	E3	3.0/1.5	14.98	S,6,13
	1800	575	56C	TSTAT	Y556	56H17T5312	★	\$521	E3	1.2	14.98	S,6,13
	1800	230/460	143TC	TSTAT	Y536	143THTR5326	★	\$535	E3	3.0/1.5	15.04	S,6,13
	1200	230/460	145TC	TSTAT	Y537	145THTR5376	★	\$620	E3	3.8/1.9	16.04	S,6,13
1 1/2	1800	230/460	145TC	TSTAT	Y538	145THTR5326	★	\$650	E3	4.8/2.4	16.04	S,6,13
2	1800	230/460	145TC	TSTAT	Y551	145THTN6046	★	\$898	E3	6.0/3.0	14.68	
	1800	575	145TC	TSTAT	Y557	145THTN6060	★	\$898	E3	2.4	14.68	
	1200	230/460	184TC	TSTAT	Y540	184THTL7776	★	\$1,284	E3	6.6/3.3	16.94	AL
3	1800	230/460	182TC	TSTAT	Y541	182THTL7726	★	\$1,113	E3	8.4/4.2	17.39	AL
	1800	575	182TC	TSTAT	Y558	182THTL7736	★	\$1,113	E3	3.4	17.39	AL
	1200	230/460	213TC	TSTAT	Y542	213THTL7776	★	\$1,582	E3	9.4/4.7	19.94	AL
5	1800	230/460	184TC	TSTAT	Y543	184THTL7726	★	\$1,329	E3	14.0/7.0	18.94	AL
	1800	575	184TC	TSTAT	Y559	184THTL7736	★	\$1,329	E3	5.6	18.94	AL
	1200	230/460	215TC	TSTAT	Y544	215THTL7776	★	\$1,924	E3	15.4/7.7	20.54	AL
7 1/2	1800	230/460	213TC	TSTAT	Y545	213THTL7726	★	\$1,745	E3	21.0/10.5	20.54	AL
	1800	575	213TC	TSTAT	Y560	213THTL7736	★	\$1,745	E3	8.4	20.54	AL
	1200	230/460	254TC	TSTAT	Y546	254THTL5776	★	\$2,588	E3	22.0/11.0	25.37	AL,I
10	1800	230/460	215TC	TSTAT	Y547	215THTL7726	★	\$2,087	E3	27.0/13.5	23.04	AL
	1800	575	215TC	TSTAT	Y561	215THTL7736	★	\$2,087	E3	10.8	23.04	AL
	1200	230/460	256TC	TSTAT	Y548	256THTL5776	★	\$2,930	E3	28.0/14.0	26.87	AL,I
15	1800	230/460	254TC	TSTAT	Y549	254THTL5726	★	\$2,484	E3	40.0/20.0	26.87	I,AL
	1800	575	254TC	TSTAT	Y562	254THTL5736	★	\$2,484	E3	16.0	26.87	I,AL
20	1800	230/460	256TC	TSTAT	Y552	256THTNA7026	★	\$3,626	E3	52.0/26.0	27.13	
	1800	575	256TC	TSTAT	Y563	256THTNA7036	★	\$3,626	E3	20.8	27.13	
25	1800	230/460	284TC	TSTAT	Y553	284THTNA7026	★	\$3,944	E3	62.0/31.0	27.08	I
	1800	575	284TC	TSTAT	Y567	284THTNA7036	★	\$3,944	E3	24.8	27.08	d, I
30	1800	230/460	286TC	TSTAT	Y393	286THTNA7026	★	\$4,447	E3	74.0/37.0	28.58	I
	1800	575	286TC	TSTAT	Y394	286THTNA7036	★	\$4,447	E3	29.6	28.58	d, I

Blue shaded areas are Cast Iron Frames

Contact Marathon for other base speeds and options not shown in this catalog.