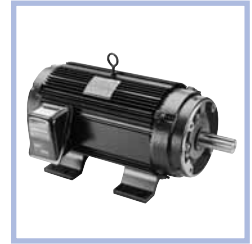


# Black Max® Vector Duty, 1000:1 Constant Torque

## Totally Enclosed Non-Ventilated, C-Face with Rigid Base

**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 where 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 Marked
- Three year warranty



HP	RPM	VOLTS	FRAME	OVER LOAD	CAT. NO.	MODEL NO.	LIST PRICE	MULT. SYMB.	F.L. AMPS	APPROX. WGT. LBS.	"C" DIM.	FOOT NOTES
<b>1/4</b>	1800	230/460	56C	TSTAT	Y592★	56H17T2001	\$349	E3	1.2/0.6	19	11.88	S,13
<b>1/2</b>	1800	230/460	56C	TSTAT	Y534★	56H17T5301	\$437	E3	1.6/0.8	28	13.48	S,6,13
	1800	575	56C	TSTAT	Y555★	56H17T5311	\$437	E3	0.6	28	13.48	S,6,13
<b>1</b>	1800	230/460	56C	TSTAT	Y535★	56H17T5302	\$521	E3	3.0/1.5	41	14.98	S,6,13
	1800	575	56C	TSTAT	Y556★	56H17T5312	\$521	E3	1.2	41	14.98	S,6,13
	1800	230/460	143TC	TSTAT	Y536★	143THTR5326	\$535	E3	3.0/1.5	43	15.04	S,6,13
	1200	230/460	145TC	TSTAT	Y537★	145THTR5376	\$620	E3	3.8/1.9	49	16.04	S,6,13
<b>1 1/2</b>	1800	230/460	145TC	TSTAT	Y538★	145THTR5326	\$650	E3	4.8/2.4	50	16.04	S,6,13
<b>2</b>	1800	230/460	145TC	TSTAT	Y551★	145THTN6046	\$898	E3	6.0/3.0	72	14.68	
	1800	575	145TC	TSTAT	Y557★	145THTN6060	\$898	E3	2.4	72	14.68	
	1200	230/460	184TC	TSTAT	Y540★	184THTL7776	\$1,284	E3	6.6/3.3	88	16.94	AL
<b>3</b>	1800	230/460	182TC	TSTAT	Y541★	182THTL7726	\$1,113	E3	8.4/4.2	96	17.39	AL
	1800	575	182TC	TSTAT	Y558★	182THTL7736	\$1,113	E3	3.4	96	17.39	AL
	1200	230/460	213TC	TSTAT	Y542★	213THTL7776	\$1,582	E3	9.4/4.7	118	19.94	AL
<b>5</b>	1800	230/460	184TC	TSTAT	Y543★	184THTL7726	\$1,329	E3	14.0/7.0	98	18.94	AL
	1800	575	184TC	TSTAT	Y559★	184THTL7736	\$1,329	E3	5.6	98	18.94	AL
	1200	230/460	215TC	TSTAT	Y544★	215THTL7776	\$1,924	E3	15.4/7.7	138	20.54	AL
<b>7 1/2</b>	1800	230/460	213TC	TSTAT	Y545★	213THTL7726	\$1,745	E3	21.0/10.5	146	20.54	AL
	1800	575	213TC	TSTAT	Y560★	213THTL7736	\$1,745	E3	8.4	146	20.54	AL
	1200	230/460	254TC	TSTAT	Y546★	254THTL5776	\$2,588	E3	22.0/11.0	209	25.37	AL,I
<b>10</b>	1800	230/460	215TC	TSTAT	Y547★	215THTL7726	\$2,087	E3	27.0/13.5	159	23.04	AL
	1800	575	215TC	TSTAT	Y561★	215THTL7736	\$2,087	E3	10.8	159	23.04	AL
	1200	230/460	256TC	TSTAT	Y548★	256THTL5776	\$2,930	E3	28.0/14.0	203	26.87	AL,I
<b>15</b>	1800	230/460	254TC	TSTAT	Y549★	254THTL5726	\$2,484	E3	40.0/20.0	250	26.87	I,AL
	1800	575	254TC	TSTAT	Y562★	254THTL5736	\$2,484	E3	16.0	250	26.87	I,AL
<b>20</b>	1800	230/460	256TC	TSTAT	Y552★	256THTNA7026	\$3,626	E3	52.0/26.0	300	27.13	
	1800	575	256TC	TSTAT	Y563★	256THTNA7036	\$3,626	E3	20.8	300	27.13	
<b>25</b>	1800	230/460	284TC	TSTAT	Y553★	284THTNA7026	\$3,944	E3	62.0/31.0	495	27.08	I
	1800	575	284TC	TSTAT	Y567★	284THTNA7036	\$3,944	E3	24.8	495	27.08	d, I
<b>30</b>	1800	230/460	286TC	TSTAT	Y393★	286THTNA7026	\$4,447	E3	74.0/37.0	575	28.58	I
	1800	575	286TC	TSTAT	Y394★	286THTNA7036	\$4,447	E3	29.6	575	28.58	d, I

★ Stock Model

Blue shaded areas are Cast Iron Frames

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

**Footnotes:**

- AL Aluminum Frame Construction
- I Reduced HP @ 120 HZ
- S Steel Frame Construction
- 6 Bolt-on, removable base for footless mounting option
- 13 F1 Mounting Only, Cannot reassemble to F2

INVERTER DUTY