

# Black Max® Vector Duty, 1000:1 Constant Torque Explosion Proof, Class I Groups C & D, Class II Groups F & G

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



**Applications:** For use in material handling, machine tools, conveyors, crane & hoist, and other variable speed applications requiring up to 1000:1 constant torque speed range, to be installed in hazardous environments as defined by the motor's explosion proof class and group rating. Refer to the General Information sections contained in this catalog for information on explosion proof classifications. Consult the National Electrical Code and your local regulations for the proper selection of motors in hazardous locations.

- Features:**
- Class F MAX GUARD® insulation system
  - Constant torque operation from 0 to base speed on vector drive
  - Constant HP operation 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)
  - Ball Bearings
  - Top mount (F3) conduit box included, shipped loose
  - No Encoder Provisions included
  - UL listed, under file #E12044
  - Meets temperature code T3B
  - CSA certified, under file numbers LR47504 and LR21839
  - 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	Y600*	56H17E5301	\$520	E3	1.1/0.55	34	11.97	
<b>1/3</b>	1800	230/460	56C	TSTAT	Y601	56H17E5302	\$610	E3	1.2/0.6	34	11.97	
<b>1/2</b>	1800	230/460	56C	TSTAT	Y602*	56H17E5303	\$658	E3	1.8/0.9	39	12.47	
<b>3/4</b>	1800	230/460	56C	TSTAT	Y603	56H17E5304	\$728	E3	2.4/1.2	42	13.47	
<b>1</b>	1800	230/460	56C	TSTAT	Y604*	56H17E5305	\$797	E3	3.0/1.5	45	13.97	

★ Stock Model

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

INVERTER DUTY