

Inverter (Vector) Duty: Blue Max® 2000

2000:1 Constant Torque, Totally Enclosed



Applications: Designed for inverter or vector applications where up to a 2000:1 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 where cast iron construction is required.

- Features:**
- MAX GUARD® Class H insulation system (Class H on catalog models only)
 - Constant torque operation from 0 to base speed on vector drive, including TEFC (On Volts/ Hertz drives, TEFC motors are limited to 20:1 constant torque)
 - Constant HP operation to twice base speed (143-256 frame); 1.5 times base (all others)
 - Optimized for operation with IGBT inverter
 - C-Face foot mount through 100 HP, as noted
 - Normally closed thermostats (one per phase, class F)
 - Continuous duty at 40°C ambient
 - 1.0 Service Factor ("B" rise on TEBC motors)
 - Blue Chip quality, cast iron frame and brackets
 - Patented "fracket" design (TEBC enclosure)
 - Ball Bearings (roller bearing available 360 Frame & larger)
 - Field reversible to F2
 - Encoder provisions included on opposite drive end (see Modification and/or Accessory Kits sections)
 - UL Recognized, CSA Certified, and CE Mark
 - Three year warranty



Rigid Base and C-Face Footed (Rigid Base)

HP	RPM	VOLTS	ENCL	FRAME	CAT. NO.	MODEL NO.	STOCK	LIST PRICE	MULT. SYMB.	F.L. AMPS	"C" DIM.	FOOT NOTES
1	1800	230/460	TENV	143TC	Y525	143THTN8028	★	\$938	E3	3.0/1.5	13.68	B
1 1/2	1800	230/460	TENV	145TC	Y590	145THTN8037	★	\$943	E3	4.6/2.3	14.68	
2	1800	230/460	TENV	145TC	Y526	145THTN8029	★	\$1,016	E3	6.0/3.0	14.68	
3	1800	230/460	TENV	182TC	Y527	182THTS8028	★	\$1,276	E3	8.0/4.0	16.68	
5	1800	230/460	TENV	184TC	Y564	184THTS8028	★	\$1,427	E3	13.4/6.7	17.68	
7 1/2	1800	230/460	TEFC	213TC	Y595	213THFS8028	★	\$1,669	E3	19.4/9.7	21.03	
	1800	230/460	TENV	213TC	Y565	213THTS8038	★	\$1,922	E3	21.0/10.5	20.56	
10	1800	230/460	TEFC	215TC	Y596	215THFS8029	★	\$1,994	E3	25.4/12.7	22.53	
	1800	230/460	TENV	215TC	Y566	215THTS8038	★	\$2,280	E3	26.0/13.0	22.74	
15	1800	230/460	TEFC	254TC	Y597	254THFNA8038	★	\$2,402	E3	37.0/18.5	26.34	
	1800	230/460	TENV	254TC	Y509	254THTNA8058	★	\$2,729	E3	40.4/20.2	23.38	
	1200	230/460	TEBC	284TC	Y395	284THFPA8086		\$5,354	E3	40.0/20.0	37.48	BP
20	1800	230/460	TEFC	256TC	Y598	256THFNA8038	★	\$2,658	E3	52.0/26.0	28.09	
	1800	230/460	TENV	256TC	Y510	256THTNA8038	★	\$3,777	E3	52.0/26.0	27.13	
	1200	230/460	TEBC	286TC	Y582	286THFPA8086		\$6,921	E3	52.4/26.2	38.98	BP
25	1800	230/460	TEFC	284T	Y569	284THFPA8028	★	\$3,319	E3	63.0/31.5	28.58	
	1800	230/460	TEBC	284TC	Y511	284THFPA8038	★	\$4,639	E3	63.0/31.5	37.48	BP
	1200	230/460	TEBC	324TC	Y583	324THFPA8086		\$8,141	E3	67.0/33.5	40.41	B,BP
30	1800	230/460	TEFC	286T	Y570	286THFNA8028	★	\$3,794	E3	77.0/38.5	29.91	
	1800	230/460	TEBC	286TC	Y512	286THFPA8038	★	\$5,114	E3	74.0/37.0	38.98	BP
	1200	230/460	TEBC	326TC	Y584	326THFPA8086		\$8,956	E3	80.4/40.2	41.91	B,BP
40	1800	230/460	TEFC	324T	Y571	324THFPA8028	★	\$4,913	E3	100/50.0	30.71	
	1800	230/460	TEBC	324TC	Y513	324THFPA8038	★	\$6,126	E3	100/50.0	40.41	BP
	1200	230/460	TEBC	364TC	Y585	364THFS8391		\$10,804	E3	107/53.5	42.67	BP
50	1800	230/460	TEFC	326T	Y572	326THFS8028	★	\$6,078	E3	121/60.5	32.44	
	1800	230/460	TEBC	326TC	Y514	326THFPA8038	★	\$7,023	E3	120/60.0	41.91	BP
	1200	230/460	TEBC	365TC	Y586	365THFS8380		\$12,951	E3	130/65.0	43.78	BP
60	1800	230/460	TEFC	364T	Y573	364THFS8036	★	\$7,834	E3	147/73.5	33.70	
	1800	230/460	TEBC	364TC	Y515	364THFS8046	★	\$8,598	E3	147/73.5	42.67	BP
	1200	230/460	TEBC	404TC	Y587	404THFS8092		\$14,367	E3	142/71.0	48.22	BP
75	1800	230/460	TEFC	365T	Y574	365THFS8036	★	\$8,875	E3	184/92.0	34.69	
	1800	230/460	TEBC	365TC	Y516	365THFS8046	★	\$10,278	E3	180/90.0	43.67	BP
	1200	230/460	TEBC	405TC	Y588	405THFS8378	★	\$17,505	E3	180/90.0	49.72	B,BP

Blue shaded areas are Cast Iron Frames

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