

Severe Duty – Three-Phase Motors

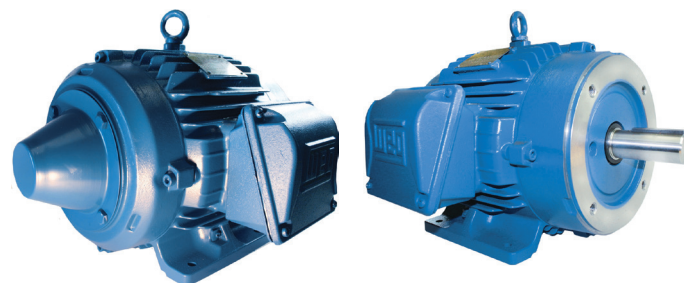
VECTOR DUTY

TENV - Foot Mount - Double C-Face

Designed specifically for inverter operation for applications requiring 1000:1 constant torque turndown ratio.

Standard Features:

- Class F insulation (Impregnation Resin and Magnet wire are class H)
- NEMA design B.
- F1 Mounted (F2 convertible).
- Stainless Steel Nameplate - Laser etched with High contrast background
- Gasketed conduit box
- Class I, Div. 2, Groups A, B, C & D – T3, Class II, Div 2, Groups F & G – T3C



Features that make a difference:

- Constant torque operation from 0 to base speed (1000:1) on PWM Vector Drive
- Constant Horsepower operation up to 150% base speed
- Ready for encoder mount
- With thermostats (1 per phase)
- Special nameplate data for easy drive set-up
- Ready for C-face brake, limited to 10 lb-ft braking torque

Inverter Rated:
1000 : 1 for constant torque

HP	kW	RPM	NEMA Frame	Catalog Number	List Price	Mult. Symbol	Approx. Shipping Weight (lbs)	Service Factor	FL Amps @ High	FL. Eff (%)	"C" Dimension (in)	Voltage (V)	Notes
1	0.75	1800	143TC	00118NT3FVD143TC-W22	697	D1	51	1.00	1.37	85.5	13.693	230/460	17
1.5	1.1	1800	145TC	00158NT3FVD145TC-W22	705	D1	57	1.00	1.98	86.5	14.678	230/460	17
2	1.5	1800	145TC	00218NT3FVD145TC-W22	928	D1	62	1.00	2.58	86.5	14.678	230/460	17
3	2.2	1800	182TC	00318NT3FVD182TC-W22	1,150	D1	100	1.00	3.91	89.5	15.569	230/460	17
5	3.7	1800	184TC	00518NT3FVD184TC-W22	1,373	D1	102	1.00	6.98	89.5	16.569	230/460	17
7.5	5.5	1800	213TC	00718NT3FVD213TC-W22	1,803	D1	173	1.00	9.08	91.7	18.541	230/460	17
10	7.5	1800	215TC	01018NT3FVD215TC-W22	2,157	D1	180	1.00	12.3	91.7	20.041	230/460	17
15	11	1800	254TC	01518NT3FVD254TC-W22	2,567	D1	316	1.00	19.3	92.4	23.837	230/460	17
20	3	1800	256TC	02018NT3FVD256TC-W22	3,747	D1	322	1.0	26.0	93.0	25.569	230/460	17

Note: Flanged motors on Cast Iron frame sizes 143/5 to 254/6 have non-NEMA BA dimension. Refer to mechanical section of this catalog for details.

ADDITIONAL TECHNICAL DATA

ELECTRICAL DATA: p. B-79

MECHANICAL DATA: p. C-58

