

Definite Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) Hostile Duty, Inverter Duty 20:1 (3-60 Hertz) Speed Range Variable Torque

APPLICATIONS:

For use on pumps, fans, blowers or other inverter powered applications having variable torque requirements.
Constant torque applications requiring 5:1 or less speed range and applications requiring a drive bypass.

FEATURES:

- INVERTER GRADE® Insulation System (Meets NEMA® MG-1 Part 31)
- Class F Thermostats (One Per Phase)
- Cast Iron Frame (140: Rolled Steel), Cast Iron End Brackets
- Corrosion Resistant Mill & Chemical Duty Paint
- Stainless Steel Nameplate & Zinc Plated Hardware
- Shaft Slinger On Pulley End For IP54 Protection
- 40°C Ambient, NEMA® Design B Performance On 60 Hertz Sine Wave Power
- Special Balance
- Regreasable Bearings 250 Frame & Up
- Double Shielded Bearings 140-360, Open On 400-440
- Double Dip & Bake With Extra Bracing
- Premium Efficient Design, F1 Assembly Position
- Class F Insulation, 1.15 S.F. On Sine Wave / 1.0 S.F. On PWM
- Constant Horsepower To 90 Hertz
- C-Face Footed 1-5 HP
- Conversion Kits: All Cast Iron Upgrade, C&D Flanges, Canopy Kits (except 320-360)



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HP	RPM (Max Speed)	Voltage	Frame	Catalog Number	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
1	1800(3600)	230/460	143TC	H1V2BC	DS-VST	12.6	67	85.5	2.9/1.5	
	1200(2400)	230/460	145TC	H1V3BC	DS-VST	12.6	72	81.5	3.7/1.9	
1 1/2	3600(7200)	230/460	143TC	H32V1BC	DS-VST	12.6	65	84.0	3.9/1.9	
	1800(3600)	230/460	145TC	H32V2BC	DS-VST	12.6	72	85.5	4.4/2.2	
	1200(2400)	230/460	182TC	H32V3BC	DS-VST	16.8	100	86.5	5/2.5	
2	3600(7200)	230/460	145TC	H2V1BC	DS-VST	12.6	72	86.5	4.9/2.4	
	1800(3600)	230/460	145TC	H2V2BC	DS-VST	12.6	82	85.5	5.5/2.8	
	1200(2400)	230/460	184TC	H2V3BC	DS-VST	16.3	110	87.5	6/3	
3	3600(7200)	230/460	182TC	H3V1BC	DS-VST	16.3	100	87.5	7.8/3.9	
	1800(3600)	230/460	182TC	H3V2BC	DS-VST	16.8	100	89.5	7.8/3.9	
	1200(2400)	230/460	213TC	H3V3BC	DS-VST	19.2	160	90.2	8.7/4.4	
5	3600(7200)	230/460	184TC	H5V1BC	DS-VST	16.8	110	88.5	12.2/6.1	
	1800(3600)	230/460	184TC	H5V2BC	DS-VST	16.8	110	89.5	12.8/6.4	
	1200(2400)	230/460	215TC	H5V3BC	DS-VST	20.6	175	90.2	14/7	
7 1/2	1800(3600)	230/460	213T	H7V2B	DS-VST	19.2	167	91.0	18.4/9.2	
	1200(2400)	230/460	254T	H7V3B	DS-VST	25.3	300	91.0	18.6/9.3	
10	3600(7200)	230/460	215T	H10V1B	DS-VST	19.2	175	91.0	23.5/11.8	
	1800(3600)	230/460	215T	H10V2B	DS-VST	19.2	175	91.7	23.8/11.9	
	1200(2400)	230/460	256T	H10V3B	DS-VST	25.5	352	91.7	24.5/12.3	
15	3600(7200)	230/460	254T	H15V1B	DS-VST	25.3	300	90.2	35/17.7	
	1800(3600)	230/460	254T	H15V2B	DS-VST	25.3	300	92.4	37/18.4	
	1200(2400)	230/460	284T	H15V3B	DS-VST	35.7	380	91.7	37/18.6	
20	3600(7200)	230/460	256T	H20V1B	DS-VST	25.5	362	90.2	47/23.4	
	1800(3600)	230/460	256T	H20V2B	DS-VST	25.6	360	93.0	47/23.7	
	1200(2400)	230/460	286T	H20V3B	DS-VST	27.0	410	91.7	49/24.5	
25	3600(7200)	230/460	284TS	H25V1BS	DS-VST	25.6	380	91.7	59/29.5	
	1800(2700)	230/460	284T	H25V2B	DS-VST	27.0	380	93.0	59/29.4	
	1200(2400)	230/460	324T	H25V3B	DS-VST	30.6	600	93.0	62/31	
30	3600(5400)	230/460	286TS	H30V1BS	DS-VST	25.6	400	91.7	69/35	
	1800(2700)	230/460	286T	H30V2B	DS-VST	27.0	440	93.6	69/34	
	1200(2400)	230/460	326T	H30V3B	DS-VST	30.6	675	93.0	74/37	

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(continued)

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40	3600(5400)	230/460	324TS	H40V1BS	DS-VST	29.1	560	92.4	91/46	
	1800(2700)	230/460	324T	H40V2B	DS-VST	30.6	600	94.1	90/45	
	1200(2400)	230/460	364T	H40V3B	DS-VST	32.9	875	94.1	93/46	
50	3600(5400)	230/460	326TS	H50V1BS	DS-VST	29.1	600	93.0	112/56	
	1800(2700)	230/460	326T	H50V2B	DS-VST	30.6	710	94.5	113/56	
	1200(2400)	230/460	365T	H50V3B	DS-VST	32.9	900	94.1	116/58	
60	3600(5400)	230/460	364TS	H60V1BS	DS-VST	30.4	790	93.6	136/68	
	1800(3600)	230/460	364T	H60V2B	DS-VST	32.6	825	95.0	138/69	
75	3600(4500)	230/460	365TS	H75V1BS	DS-VST	30.4	830	93.6	167/83	
	1800(3600)	230/460	365T	H75V2B	DS-VST	32.6	910	95.0	168/84	
	1200(2400)	230/460	405T	H75V3B	DS-VST	37.6	1300	94.5	175/87	
100	1800(3600)	230/460	405T	H100V2B	DS-VST	37.6	1250	95.4	225/113	
	1200(2400)	460	444T	H100V3C	DS-VST	45.8	1660	95.0	122	
125	3600(4500)	460	444TS	H125V1CS	DS-VST	41.7	1660	95.8	142	
	1800(3600)	460	444T	H125V2C	DS-VST	45.8	1675	95.4	146	
	1200(2400)	460	445T	H125V3C	DS-VST	45.8	1750	95.4	151	
150	3600(4500)	460	445TS	H150V1CS	DS-VST	41.7	1700	95.8	171	
	1800(3600)	460	445T	H150V2C	DS-VST	45.8	1780	95.8	171	
	1200(2400)	460	447T	H150V3C	DS-VST	45.4	2100	95.0	181	
200	3600(4500)	460	447TS	H200V1CS	DS-VST	45.2	2025	96.2	217	
	1800(3600)	460	447T	H200V2C	DS-VST	48.9	2120	95.8	226	

GENERAL PURPOSE
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