Definite Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) World Motor HOSTILE DUTY®, Inverter Duty 20:1 (3-60 Hertz) Speed Range Variable Torque, 5:1 (12-60 Hertz) Speed Range Constant Torque

NEMA Premium



IP54 CTI

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)
- Shaft Grounding Ring
- Corrosion Resistant Mill & Chemical Duty Paint
- Cast Iron Frame, Cast Iron End Brackets
- Stainless Steel Nameplate & Zinc Plated Hardware
- Shaft Slinger On Pulley End For IP54 Protection
- Dual Voltage 230/460 Volts (1-100 HP)
- 40°C Ambient, NEMA®† Design B Performance On 60 Hz Sine Wave Power
- Regreasable Ball Bearings 250 Frame & Up, Lifting Provisions
- Double Shielded Bearings 140-360, Open On 400-440
- Double Dip & Bake With Extra Bracing
- Class F Insulation, 1.15 S.F. On Sine Wave / 1.0 S.F. On PWM
- Constant Horsepower To 90 Hz
- Steel Fan Cover & Conduit Box
- Field Convertible To F2 Mounting
- Condensation Drains With Plastic Plugs
- Conversion Kits: All Cast Iron Upgrade, C&D Flanges, Canopy Kits
- C-Face Footed 1-5 HP
- Bearing Caps On 400-440
- Non-Drive End Insulated Bearing On 400-440

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800(3600)	230/460	143TC	HD1V2BC	$639	DS-VSTW	14.0	55	85.5	1.6	SGR
	1800(3600)	230/460	143T	HD1V2B	$530	DS-VSTW	13.5	55	85.5	3.2/1.6	SGR
	1200(2400)	230/460	145TC	HD1V3BC	$785	DS-VSTW	14.0	70	82.5	3.7/1.8	SGR
	1200(2400)	230/460	145T	HD1V3B	$676	DS-VSTW	13.5	70	82.5	3.7/1.8	SGR
1 1/2	3600(7200)	230/460	143TC	HD32V1BC	$699	DS-VSTW	14.0	50	84.0	3.9/1.9	SGR
	3600(7200)	230/460	143T	HD32V1B	$590	DS-VSTW	13.5	50	84.0	3.9/1.9	SGR
	1800(3600)	230/460	145TC	HD32V2BC	$675	DS-VSTW	14.0	65	86.5	4.3/2.2	SGR
	1800(3600)	230/460	145T	HD32V2B	$566	DS-VSTW	13.5	55	86.5	4.3/2.2	SGR
	1200(2400)	230/460	182TC	HD32V3BC	$848	DS-VSTW	17.1	90	87.5	4.5/2.2	SGR
	1200(2400)	230/460	182T	HD32V3B	$761	DS-VSTW	16.3	90	87.5	4.5/2.2	SGR
2	3600(7200)	230/460	145TC	HD2V1BC	$722	DS-VSTW	14.0	50	85.5	5/2.5	SGR
	3600(7200)	230/460	145T	HD2V1B	$613	DS-VSTW	13.5	50	85.5	5/2.5	SGR
	1800(3600)	230/460	145TC	HD2V2BC	$731	DS-VSTW	14.0	65	86.5	5.6/2.8	SGR
	1800(3600)	230/460	145T	HD2V2B	$622	DS-VSTW	13.5	65	86.5	5.6/2.8	SGR
	1200(2400)	230/460	184TC	HD2V3BC	$935	DS-VSTW	17.1	110	88.5	6.2/3.1	SGR
	1200(2400)	230/460	184T	HD2V3B	$868	DS-VSTW	16.3	100	88.5	6.2/3.1	SGR
3	3600(7200)	230/460	182TC	HD3V1BC	$861	DS-VSTW	17.1	80	86.5	8.2/4.1	SGR
	3600(7200)	230/460	182T	HD3V1B	$712	DS-VSTW	16.3	70	86.5	8.2/4.1	SGR
	1800(3600)	230/460	182TC	HD3V2BC	$828	DS-VSTW	17.1	100	89.5	7.8/3.9	SGR
	1800(3600)	230/460	182T	HD3V2B	$679	DS-VSTW	16.3	90	89.5	7.8/3.9	SGR
	1200(2400)	230/460	213TC	HD3V3BC	$1,120	DS-VSTW	19.6	170	89.5	8.6/4.3	SGR
	1200(2400)	230/460	213T	HD3V3B	$1081	DS-VSTW	19.6	150	89.5	8.6/4.3	SGR
5	3600(7200)	230/460	184TC	HD5V1BC	$994	DS-VSTW	17.1	90	88.5	12.3/6.1	SGR
	3600(7200)	230/460	184T	HD5V1B	$844	DS-VSTW	16.3	90	88.5	12.3/6.1	SGR
	1800(3600)	230/460	184TC	HD5V2BC	$923	DS-VSTW	17.1	110	89.5	12.7/6.3	SGR
	1800(3600)	230/460	184T	HD5V2B	$774	DS-VSTW	16.3	100	89.5	12.7/6.3	SGR
	1200(2400)	230/460	215TC	HD5V3BC	$1,540	DS-VSTW	20.4	180	89.5	14.2/7.1	SGR
	1200(2400)	230/460	215T	HD5V3B	$1395	DS-VSTW	19.6	170	89.5	14.2/7.1	SGR
7 1/2	3600(7200)	230/460	213T	HD7V1B	$1,099	DS-VSTW	19.6	130	89.5	18.1/9	SGR
	1800(3600)	230/460	213TC	HD7V2BC	$1,204	DS-VSTW	20.4	170	91.7	19.1/9.6	SGR
	1800(3600)	230/460	213T	HD7V2B	$1,055	DS-VSTW	19.6	150	91.7	19.1/9.6	SGR
	1200(2400)	230/460	254T	HD7V3B	$1,873	DS-VSTW	24.9	230	91.0	18.8/9.4	SGR

Note SGR Shaft Grounding Ring

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(continued)



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HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
10	3600(7200)	230/460	215T	HD10V1B	$1,281	DS-VSTW	19.6	140	90.2	23.5/11.8	SGR
	1800(3600)	230/460	215TC	HD10V2BC	$1,462	DS-VSTW	20.4	190	91.7	25.7/12.8	SGR
	1800(3600)	230/460	215T	HD10V2B	$1,313	DS-VSTW	19.6	170	91.7	25.7/12.8	SGR
	1200(2400)	230/460	256T	HD10V3B	$2,226	DS-VSTW	24.9	250	91.0	24.9/12.4	SGR
15	3600(7200)	230/460	254T	HD15V1B	$1,803	DS-VSTW	24.9	250	91.0	35/17.4	SGR
	1800(3600)	230/460	254TC	HD15V2BC	$1,958	DS-VSTW	25.4	285	92.4	36.0/18.0	SGR
	1800(3600)	230/460	254T	HD15V2B	$1,757	DS-VSTW	24.9	250	92.4	36/18	SGR
	1200(2400)	230/460	284T	HD15V3B	$2,941	DS-VSTW	27.5	310	91.7	37/18.5	SGR
20	3600(7200)	230/460	256T	HD20V1B	$2,235	DS-VSTW	24.9	260	91.0	46/23	SGR
	1800(3600)	230/460	256TC	HD20V2BC	$2,387	DS-VSTW	25.4	315	93.0	47.0/23.6	SGR
	1800(3600)	230/460	256T	HD20V2B	$2,186	DS-VSTW	24.9	280	93.0	47/23.7	SGR
	1200(2400)	230/460	286T	HD20V3B	$3,616	DS-VSTW	27.5	350	91.7	49/24.4	SGR
25	3600(7200)	230/460	284TS	HD25V1BS	$2,658	DS-VSTW	26.1	310	91.7	58/28.8	SGR
	1800(3600)	230/460	284TC	HD25V2BC	$2,891	DS-VSTW	27.5	375	93.6	58.0/29.2	SGR
	1800(2700)	230/460	284T	HD25V2B	$2,571	DS-VSTW	27.5	330	93.6	58/29.2	SGR
	1200(2400)	230/460	324T	HD25V3B	$4,619	DS-VSTW	30.1	490	93.0	59/29.3	SGR
30	3600(5400)	230/460	286TS	HD30V1BS	$3,188	DS-VSTW	26.1	310	91.7	69/35	SGR
	1800(3600)	230/460	286TC	HD30V2BC	$3,373	DS-VSTW	27.5	385	93.6	70.0/35.0	SGR
	1800(2700)	230/460	286T	HD30V2B	$3,053	DS-VSTW	27.5	340	93.6	70/35	SGR
	1200(2400)	230/460	326T	HD30V3B	$5,254	DS-VSTW	30.1	520	93.0	70/35	SGR
40	3600(5400)	230/460	324TS	HD40V1BS	$3,758	DS-VSTW	28.6	410	92.4	92/46	SGR
	1800(3600)	230/460	324TC	HD40V2BC	$4,103	DS-VSTW	30.1	535	94.1	91.0/45.0	SGR
	1800(2700)	230/460	324T	HD40V2B	$3,644	DS-VSTW	30.1	450	94.1	92/46	SGR
	1200(2400)	230/460	364T	HD40V3B	$5,821	DS-VSTW	32.3	630	94.1	94/47	SGR
50	3600(5400)	230/460	326TS	HD50V1BS	$5,036	DS-VSTW	28.6	480	93.0	112/56	SGR
	1800(3600)	230/460	326TC	HD50V2BC	$4,983	DS-VSTW	30.1	615	94.5	112.0/56.0	SGR
	1800(2700)	230/460	326T	HD50V2B	$4,524	DS-VSTW	30.1	550	94.5	112/56	SGR
	1200(2400)	230/460	365T	HD50V3B	$7,239	DS-VSTW	32.3	680	94.1	117/59	SGR
60	3600(5400)	230/460	364TS	HD60V1BS	$6,476	DS-VSTW	30.2	560	93.6	136/68	SGR
	1800(3600)	230/460	364TC	HD60V2BC	$6,995	DS-VSTW	32.3	705	95.0	137.0/68.0	SGR
	1800(3600)	230/460	364T	HD60V2B	$6,330	DS-VSTW	32.3	640	95.0	137/68	SGR
	1200(2400)	230/460	404T	HD60V3B	$8,517	DS-VSTW	37.6	940	94.5	141/71	SGR
75	3600(4500)	230/460	365TS	HD75V1BS	$8,339	DS-VSTW	30.2	650	94.1	165/83	SGR
	1800(3600)	230/460	365TC	HD75V2BC	$8,393	DS-VSTW	32.3	775	95.4	171.0/86.0	SGR
	1800(3600)	230/460	365T	HD75V2B	$7,728	DS-VSTW	32.3	700	95.4	170/85	SGR
	1200(2400)	230/460	405T	HD75V3B	$10,133	DS-VSTW	37.6	970	94.5	178/89	SGR
100	3600(4500)	230/460	405TS	HD100V1BS	$11,178	DS-VSTW	34.6	900	94.1	228/114	SGR
	1800(3600)	230/460	405TC	HD100V2BC	$11,125	DS-VSTW	37.6	1030	95.4	229/115	SGR
	1800(3600)	230/460	405T	HD100V2B	$10,133	DS-VSTW	34.6	980	95.4	229/115	SGR
	1200(2400)	460	444T	HD100V3C	$13,603	DS-VSTW	44.4	1450	95.0	120	SGR
125	3600(4500)	460	444TS	HD125V1CS	$13,997	DS-VSTW	40.6	1300	95.0	142	SGR
	1800(3600)	460	444TC	HD125V2CC	$14,234	DS-VSTW	44.4	1350	95.8	141	SGR
	1800(3600)	460	444T	HD125V2C	$13,146	DS-VSTW	44.4	1260	95.4	141	SGR
	1200(2400)	460	445T	HD125V3C	$16,895	DS-VSTW	44.4	1500	95.0	153	SGR
150	3600(4500)	460	445TS	HD150V1CS	$17,743	DS-VSTW	40.6	1410	95.0	167	SGR
	1800(3600)	460	445TC	HD150V2CC	$16,919	DS-VSTW	44.4	1570	95.8	171	SGR
	1800(3600)	460	445T	HD150V2C	$15,831	DS-VSTW	44.4	1480	95.8	171	SGR
	1200(2400)	460	445T	HD150V3C	$19,320	DS-VSTW	44.4	1760	95.8	179	SGR
200	3600(4500)	460	447TS	HD200V1CS	$24,249	DS-VSTW	44.1	1600	95.4	222	SGR
	1800(3600)	460	447TC	HD200V2CC	$21,648	DS-VSTW	47.9	1800	96.2	225	SGR
	1800(3600)	460	447T	HD200V2C	$20,503	DS-VSTW	47.9	1710	96.2	226	SGR

Note SGR Shaft Grounding Ring