Definite Purpose Three Phase, Open Drip Proof (ODP) Inverter Duty 20:1 (3-60 Hertz) Speed Range Variable Torque, 5:1 (12-60 Hertz) Speed Range Constant Torque

DI, RI

APPLICATIONS:

For use on pumps, fans, blowers or other inverter powered applications.

FEATURES:

- INVERTER GRADE® Insulation System (Meets NEMA®† MG-1 Part 31)
- Class F Thermostats (One Per Phase)
- Rolled Steel Frame (140-320), Cast Iron Frame (360-440)
- Aluminum End Shields 140-250, Cast Iron End Shields 280-440
- 40°C Ambient, NEMA®† Design B Performance On 60 Hertz Sine Wave Power
- Constant Horsepower To 90 Hertz
- Lifting Provisions (210 Frame & Up)
- Regreasable Bearings 180 Frame & Up, Lifting Provisions 210 Frame & Up
- Double Shielded Bearings 140-400, Open On 440 Frame
- Double Dip & Bake With Extra Bracing
- Premium Efficient Design, Special Balance, F1 Assembly Position
- Class F Insulation, 1.15 S.F. On Sine Wave / 1.0 S.F. On PWM
- Conversion Kits: Canopy Kits (140-320 Frame)
- For VFD Guidelines, Refer to Page vii

HP	RPM (Max Speed)	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
1	1800(3600)	230/460	143T	D1V2B	$525	DS-VSO	12.8	30	85.5	3.1/1.6	SGR
1 1/2	1800(3600)	230/460	145T	D32V2B	$550	DS-VSO	12.8	35	86.5	4.2/2.1	SGR
	1200(2400)	230/460	182T	D32V3B	$708	DS-VSO	13.7	50	86.5	5.3/2.6	SGR
2	1800(3600)	230/460	145T	D2V2B	$604	DS-VSO	12.8	35	86.5	5.6/2.8	SGR
	1200(2400)	230/460	184T	D2V3B	$793	DS-VSO	13.7	60	87.5	6.3/3.1	SGR
3	1800(3600)	230/460	182T	D3V2B	$642	DS-VSO	13.7	50	89.5	7.6/3.8	SGR
5	3600(7200)	230/460	182T	D5V1B	$667	DS-VSO	13.7	50	88.5	12.3/6.2	SGR
	1800(3600)	230/460	184T	D5V2B	$726	DS-VSO	13.7	60	89.5	12.4/6.2	SGR
	1200(2400)	230/460	215T	D5V3B	$1,324	DS-VSO	17.5	105	88.5	14.4/7.2	SGR
7 1/2	3600(7200)	230/460	184T	D7V1B	$1,038	DS-VSO	13.7	60	88.5	18.1/9.1	SGR
	1800(3600)	230/460	213T	D7V2B	$1,011	DS-VSO	16.0	94	91.0	18.5/9.3	SGR
	1200(2400)	230/460	254T	D7V3B	$1,679	DS-VSO	22.7	150	91.7	18.9/9.5	SGR
10	3600(7200)	230/460	213T	D10V1B	$1,214	DS-VSO	16.0	94	90.2	24.3/12.2	SGR
	1800(3600)	230/460	215T	D10V2B	$1,231	DS-VSO	17.5	104	91.0	24.5/12.2	SGR
	1200(2400)	230/460	256T	D10V3B	$2,184	DS-VSO	22.7	160	91.7	25.1/12.6	SGR
15	3600(7200)	230/460	215T	D15V1B	$1,669	DS-VSO	17.5	104	90.2	36/18	SGR
	1800(3600)	230/460	254T	D15V2B	$1,767	DS-VSO	22.6	162	92.4	37/18.6	SGR
	1200(2400)	230/460	284T	D15V3B	$2,788	DS-VSO	24.9	312	91.7	37/18.5	SGR
20	3600(7200)	230/460	254T	D20V1B	$2,019	DS-VSO	22.6	162	91.0	46/23.2	SGR
	1800(3600)	230/460	256T	D20V2B	$2,266	DS-VSO	22.7	160	93.0	48/24	SGR
	1200(2400)	230/460	286T	D20V3B	$3,398	DS-VSO	24.9	337	91.7	49/24.4	SGR
25	3600(7200)	230/460	256T	D25V1B	$2,640	DS-VSO	22.7	160	91.0	58/29.2	SGR
	1800(2700)	230/460	284T	D25V2B	$2,744	DS-VSO	24.9	162	93.6	58/29.2	SGR
	1200(2400)	230/460	324T	D25V3B	$3,732	DS-VSO	27.3	416	93.0	59/29.3	SGR
30	3600(5400)	230/460	284TS	D30V1BS	$3,033	DS-VSO	23.5	312	92.4	68/34	SGR
	1800(2700)	230/460	286T	D30V2B	$3,174	DS-VSO	24.9	362	94.1	69/34	SGR
	1200(2400)	230/460	326T	D30V3B	$4,173	DS-VSO	27.3	446	93.0	70/35	SGR
40	3600(5400)	230/460	286TS	D40V1BS	$3,315	DS-VSO	23.5	362	93.0	90/45	SGR
	1800(2700)	230/460	324T	D40V2B	$3,322	DS-VSO	27.3	731	94.1	91/46	SGR
	1200(2400)	230/460	364T	D40V3B	$6,654	DS-VSO	28.7	580	94.5	92/46	SGR
50	3600(5400)	230/460	324TS	D50V1BS	$3,729	DS-VSO	25.8	416	93.0	117/59	SGR
	1800(2700)	230/460	326T	D50V2B	$3,894	DS-VSO	27.3	611	94.1	114/57	SGR
	1200(2400)	230/460	365T	D50V3B	$7,492	DS-VSO	29.7	580	94.5	115/57	SGR
60	3600(5400)	230/460	326TS	D60V1BS	$5,005	DS-VSO	25.8	446	93.6	135/67	SGR
	1800(3600)	230/460	364T	D60V2B	$5,216	DS-VSO	28.7	580	95.0	138/69	SGR

Note SGR Shaft Grounding Ring

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DI, RI

(continued)

HP	RPM (Max Speed)	Voltage	Frame	Catalog Number	List	Discount Symbol	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
75	3600(4500)	230/460	364TS	D75V1BS	$6,592	DS-VSO	26.6	580	94.1	171/85	SGR
	1800(3600)	230/460	365T	D75V2B	$6,176	DS-VSO	29.7	600	95.0	171/86	SGR
	1200(2400)	230/460	405T	D75V3B	$9,715	DS-VSO	34.1	800	94.5	172	SGR
100	3600(4500)	230/460	365TS	D100V1BS	$7,282	DS-VSO	27.6	600	94.1	224/112	SGR
	1800(3600)	230/460	404T	D100V2B	$7,360	DS-VSO	32.6	868	95.4	224/112	SGR
	1200(2400)	460	444T	D100V3C	$11,507	DS-VSO	39.8	1100	95.0	117	SGR
125	3600(4500)	460	404TS	D125V1CS	$9,490	DS-VSO	29.6	763	95.0	136	SGR
	1800(3600)	460	405T	D125V2C	$9,530	DS-VSO	34.1	813	95.4	140	SGR
150	3600(4500)	230/460	405TS	D150V1BS	$11,710	DS-VSO	31.1	800	94.5	327/164	SGR
	1800(3600)	460	444T	D150V2C	$12,460	DS-VSO	39.8	1100	95.8	170	SGR
	1200(2400)	460	445T	D150V3C	$16,294	DS-VSO	39.8	1200	95.4	174	SGR
200	1800(3600)	460	445T	D200V2C	$15,572	DS-VSO	39.8	1200	95.8	225	SGR
250	1800(3600)	460	447T	D250V2C	$17,605	DS-VSO	43.3	1700	96.2	284	SGR

Note SGR Shaft Grounding Ring

Refer to Page 109