

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

Note SGR Shaft Grounding Ring

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DI, RI

(continued)

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

Note SGR Shaft Grounding Ring

Asset Condition Monitoring Solution to visualize* health and performance data
Refer to Page 109

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