

# 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 (140-360), Cast Iron Frame (400-440)
- 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
	1800(3600)	575	143T	D1V2G	\$525	DS-VSO	12.8	30	85.5	1.3	SGR
	1200(2400)	230/460	145T	D1V3B	\$702	DS-VSO	14.1	35	82.5	4/2	SGR
	1200(2400)	575	145T	D1V3G	\$702	DS-VSO	14.1	35	82.5	1.6	SGR
1 1/2	3600(7200)	230/460	143T	D32V1B	\$557	DS-VSO	12.8	30	84.0	3.8/1.9	SGR
	3600(7200)	575	143T	D32V1G	\$557	DS-VSO	12.8	30	85.5	1.5	SGR
	1800(3600)	230/460	145T	D32V2B	\$550	DS-VSO	12.8	35	86.5	4.2/2.1	SGR
	1800(3600)	575	145T	D32V2G	\$550	DS-VSO	12.8	35	86.5	1.7	SGR
	1200(2400)	230/460	182T	D32V3B	\$708	DS-VSO	13.7	50	86.5	5.3/2.6	SGR
	1200(2400)	575	182T	D32V3G	\$708	DS-VSO	13.7	50	86.5	2.1	SGR
2	3600(7200)	230/460	145T	D2V1B	\$608	DS-VSO	12.8	35	85.5	5/2.5	SGR
	3600(7200)	575	145T	D2V1G	\$608	DS-VSO	12.8	35	85.5	2	SGR
	1800(3600)	230/460	145T	D2V2B	\$604	DS-VSO	12.8	35	86.5	5.6/2.8	SGR
	1800(3600)	575	145T	D2V2G	\$604	DS-VSO	12.8	35	86.5	2.2	SGR
	1200(2400)	575	184T	D2V3G	\$793	DS-VSO	13.7	60	87.5	2.5	SGR
	1200(2400)	230/460	184T	D2V3B	\$793	DS-VSO	13.7	60	87.5	6.3/3.1	SGR
3	3600(7200)	230/460	145T	D3V1B	\$624	DS-VSO	12.8	35	85.5	7.4/3.7	SGR
	3600(7200)	575	145T	D3V1G	\$624	DS-VSO	12.8	35	85.5	2.9	SGR
	1800(3600)	230/460	182T	D3V2B	\$642	DS-VSO	13.7	50	89.5	7.6/3.8	SGR
	1800(3600)	575	182T	D3V2G	\$642	DS-VSO	13.7	50	89.5	3.1	SGR
	1200(2400)	230/460	213T	D3V3B	\$1009	DS-VSO	16.0	90	88.5	9.2/4.6	SGR
	1200(2400)	575	213T	D3V3G	\$1009	DS-VSO	16.0	90	88.5	3.7	SGR
5	3600(7200)	230/460	182T	D5V1B	\$667	DS-VSO	13.7	50	88.5	12.3/6.2	SGR
	3600(7200)	575	182T	D5V1G	\$667	DS-VSO	13.7	50	87.5	5	SGR
	1800(3600)	230/460	184T	D5V2B	\$726	DS-VSO	13.7	60	89.5	12.4/6.2	SGR
	1800(3600)	575	184T	D5V2G	\$726	DS-VSO	13.7	60	89.5	5.1	SGR
	1200(2400)	230/460	215T	D5V3B	\$1,324	DS-VSO	17.5	105	88.5	14.4/7.2	SGR
	1200(2400)	575	215T	D5V3G	\$1,324	DS-VSO	17.5	105	89.5	5.6	SGR
7 1/2	3600(7200)	230/460	184T	D7V1B	\$1,038	DS-VSO	13.7	60	88.5	18.1/9.1	SGR
	3600(7200)	575	184T	D7V1G	\$1,038	DS-VSO	13.7	60	88.5	7.3	SGR
	1800(3600)	230/460	213T	D7V2B	\$1,011	DS-VSO	16.0	90	91.0	18.5/9.3	SGR
	1800(3600)	575	213T	D7V2G	\$1,011	DS-VSO	16.0	90	91.0	7.5	SGR
	1200(2400)	230/460	254T	D7V3B	\$1,679	DS-VSO	22.7	150	91.7	18.9/9.5	SGR
	1200(2400)	575	254T	D7V3G	\$1,679	DS-VSO	19.1	150	91.0	7.6	SGR
10	3600(7200)	230/460	213T	D10V1B	\$1,214	DS-VSO	16.0	90	90.2	24.3/12.2	SGR
	3600(7200)	575	213T	D10V1G	\$1,214	DS-VSO	16.0	90	89.5	9.7	SGR
	1800(3600)	230/460	215T	D10V2B	\$1,231	DS-VSO	17.5	105	91.0	23.8/11.9	SGR
	1800(3600)	575	215T	D10V2G	\$1,231	DS-VSO	17.5	105	91.7	9.8	SGR
	1200(2400)	230/460	256T	D10V3B	\$2,184	DS-VSO	22.7	160	91.7	25.1/12.6	SGR
	1200(2400)	575	256T	D10V3G	\$2,184	DS-VSO	20.4	160	91.7	10.2	SGR

Note SGR Shaft Grounding Ring



# 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

(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
15	3600(7200)	230/460	215T	D15V1B	\$1,669	DS-VSO	17.5	105	90.2	36/18	SGR
	3600(7200)	575	215T	D15V1G	\$1,669	DS-VSO	17.5	105	90.2	14.4	SGR
	1800(3600)	230/460	254T	D15V2B	\$1,767	DS-VSO	19.1	198	93.0	37/18.6	SGR
	1800(3600)	575	254T	D15V2G	\$1,767	DS-VSO	19.1	150	93.0	14.8	SGR
	1200(2400)	230/460	284T	D15V3B	\$2,788	DS-VSO	24.9	225	91.7	37/18.5	SGR
	1200(2400)	575	284T	D15V3G	\$2,788	DS-VSO	24.88	225	91.7	14.8	SGR
20	3600(7200)	230/460	254T	D20V1B	\$2,019	DS-VSO	22.6	150	91.0	46/23.2	SGR
	3600(7200)	575	254T	D20V1G	\$2,019	DS-VSO	19.1	150	91.0	18.7	SGR
	1800(3600)	230/460	256T	D20V2B	\$2,266	DS-VSO	20.4	160	93.0	48/24	SGR
	1800(3600)	575	256T	D20V2G	\$2,266	DS-VSO	20.4	160	93.0	18.8	SGR
	1200(2400)	230/460	286T	D20V3B	\$3,398	DS-VSO	24.9	250	91.7	49/24.4	SGR
	1200(2400)	575	286T	D20V3G	\$3,398	DS-VSO	24.9	250	92.4	19.5	SGR
25	3600(7200)	230/460	256T	D25V1B	\$2,640	DS-VSO	20.4	160	91.7	57/28.5	SGR
	3600(7200)	575	256T	D25V1G	\$2,640	DS-VSO	20.4	160	91.7	22.9	SGR
	1800(2700)	230/460	284T	D25V2B	\$2,744	DS-VSO	24.9	225	93.6	58/29.2	SGR
	1800(2700)	575	284T	D25V2G	\$2,744	DS-VSO	24.9	225	93.6	23.5	SGR
	1200(2400)	230/460	324T	D25V3B	\$3,732	DS-VSO	27.3	385	93.0	59/29.3	SGR
	1200(2400)	575	324T	D25V3G	\$3,732	DS-VSO	27.3	385	93.0	23.5	SGR
30	3600(5400)	230/460	284TS	D30V1BS	\$3,033	DS-VSO	23.0	225	92.4	68/34	SGR
	3600(5400)	575	284TS	D30V1GS	\$3,033	DS-VSO	23.0	225	91.7	27.4	SGR
	1800(2700)	230/460	286T	D30V2B	\$3,174	DS-VSO	24.9	250	94.1	69/34	SGR
	1800(2700)	575	286T	D30V2G	\$3,174	DS-VSO	24.9	250	94.1	27.8	SGR
	1200(2400)	230/460	326T	D30V3B	\$4,173	DS-VSO	27.3	460	93.0	70/35	SGR
	1200(2400)	575	326T	D30V3G	\$4,173	DS-VSO	27.3	460	93.6	27.8	SGR
40	3600(5400)	230/460	286TS	D40V1BS	\$3,315	DS-VSO	23.5	250	93.0	90/45	SGR
	3600(5400)	575	286TS	D40V1GS	\$3,315	DS-VSO	23.0	250	92.4	36	SGR
	1800(2700)	230/460	324T	D40V2B	\$3,322	DS-VSO	27.3	385	94.1	91/46	SGR
	1800(2700)	575	324T	D40V2G	\$3,322	DS-VSO	27.3	385	94.1	37	SGR
	1200(2400)	230/460	364T	D40V3B	\$6,654	DS-VSO	30.6	595	94.5	92/46	SGR
	1200(2400)	575	364T	D40V3G	\$6,654	DS-VSO	30.6	595	94.1	38	SGR
50	3600(5400)	230/460	324TS	D50V1BS	\$3,729	DS-VSO	25.8	385	93.0	117/59	SGR
	3600(5400)	575	324TS	D50V1GS	\$3,729	DS-VSO	25.8	385	93.0	47	SGR
	1800(2700)	230/460	326T	D50V2B	\$3,894	DS-VSO	27.3	460	94.1	114/57	SGR
	1800(2700)	575	326T	D50V2G	\$3,894	DS-VSO	27.3	460	94.5	45	SGR
	1200(2400)	230/460	365T	D50V3B	\$7,492	DS-VSO	29.7	635	94.5	115/57	SGR
	1200(2400)	575	365T	D50V3G	\$7,492	DS-VSO	30.6	635	94.1	47	SGR
60	3600(5400)	230/460	326TS	D60V1BS	\$5,005	DS-VSO	25.8	446	93.6	135/67	SGR
	3600(5400)	575	326TS	D60V1GS	\$5,005	DS-VSO	25.8	460	93.6	54	SGR
	1800(3600)	230/460	364T	D60V2B	\$5,216	DS-VSO	28.7	545	95.0	138/69	SGR
	1800(3600)	575	364T	D60V2G	\$5,216	DS-VSO	28.6	545	95.0	56	SGR
	1200(2400)	230/460	404T	D60V3B	\$8,631	DS-VSO	32.5	750	94.5	138/69	SGR
	1200(2400)	575	404T	D60V3G	\$8,631	DS-VSO	32.5	750	94.5	55	SGR
75	3600(4500)	230/460	364TS	D75V1BS	\$6,592	DS-VSO	26.6	580	93.6	171/85	SGR
	3600(4500)	575	364TS	D75V1GS	\$6,592	DS-VSO	26.5	495	93.6	68	SGR
	1800(3600)	230/460	365T	D75V2B	\$6,176	DS-VSO	29.7	600	95.0	175/87	SGR
	1800(3600)	575	365T	D75V2G	\$6,176	DS-VSO	30.6	575	95.0	70	SGR
	1200(2400)	230/460	405T	D75V3B	\$9,715	DS-VSO	34.1	800	94.5	172/86	SGR
	1200(2400)	575	405T	D75V3G	\$9,715	DS-VSO	34.0	800	94.5	69	SGR

Note SGR Shaft Grounding Ring



GENERAL PURPOSE  
UNIMOUNT™

GENERAL PURPOSE  
STEEL EDGE™

GENERAL PURPOSE  
HOSTILE DUTY™

GENERAL PURPOSE  
CORRO-DUTY™

GENERAL PURPOSE  
84 PLUS™

GENERAL PURPOSE  
OPEN DRIPPROOF™

GENERAL PURPOSE  
HAZARDOUS LOCATION™

GENERAL PURPOSE  
AUTOMOTIVE DUTY™

COOLING TOWER  
DUTY™

HAZARDOUS  
LOCATION™

C-FACE  
MOTORS™

VARIABLE SPEED  
MOTORS AND DRIVES™

GENERAL PURPOSE  
UNIMOUNT®GENERAL PURPOSE  
STEEL EDGE™GENERAL PURPOSE  
HOSTILE DUTY™GENERAL PURPOSE  
CORRO-DUTY™GENERAL PURPOSE  
841 PLUS™GENERAL PURPOSE  
OPEN DRIPPROOF™GENERAL PURPOSE  
HAZARDOUS LOCATION™GENERAL PURPOSE  
AUTOMOTIVE DUTY™COOLING TOWER  
DUTY™HAZARDOUS  
LOCATION™C-FACE  
MOTORS™VARIABLE SPEED  
MOTORS AND DRIVES™

## 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

(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
100	3600(4500)	230/460	365TS	D100V1BS	\$7,282	DS-VSO	27.6	600	94.1	224/112	SGR
	3600(4500)	575	365TS	D100V1GS	\$7,282	DS-VSO	26.5	575	93.6	89	SGR
	1800(3600)	230/460	404T	D100V2B	\$7,360	DS-VSO	32.6	868	95.4	224/112	SGR
	1800(3600)	575	404T	D100V2G	\$7,360	DS-VSO	32.5	750	95.4	90	SGR
	1200(2400)	460	444T	D100V3C	\$11,507	DS-VSO	39.8	1100	95.0	117	SGR
	1200(2400)	575	444T	D100V3G	\$11,507	DS-VSO	39.8	1100	95.0	94	SGR
125	3600(4500)	460	404TS	D125V1CS	\$9,490	DS-VSO	29.6	763	95.0	136	SGR
	3600(4500)	575	404TS	D125V1GS	\$9,490	DS-VSO	29.5	750	94.1	110	SGR
	1800(3600)	460	405T	D125V2C	\$9,530	DS-VSO	34.1	813	95.4	140	SGR
	1800(3600)	575	405T	D125V2G	\$9,530	DS-VSO	34.0	800	95.4	112	SGR
	1200(2400)	460	445T	D125V3C	\$11,097	DS-VSO	39.8	1200	95	146	SGR
	1200(2400)	575	445T	D125V3G	\$11,097	DS-VSO	39.8	1200	95	118	SGR
150	3600(4500)	230/460	405TS	D150V1BS	\$11,710	DS-VSO	31.1	800	94.5	327/164	SGR
	3600(4500)	575	405TS	D150V1GS	\$11,710	DS-VSO	31.0	800	94.1	131	SGR
	1800(3600)	460	444T	D150V2C	\$12,460	DS-VSO	39.8	1100	95.8	170	SGR
	1800(3600)	575	444T	D150V2G	\$12,460	DS-VSO	39.8	1100	95.8	135	SGR
	1200(2400)	460	445T	D150V3C	\$16,294	DS-VSO	39.8	1200	95.4	174	SGR
	1200(2400)	575	445T	D150V3G	\$16,294	DS-VSO	39.8	1200	95.4	141	SGR
200	3600(4500)	460	444TS	D200V1CS	\$13,917	DS-VSO	36.1	1100	95	224	SGR
	3600(4500)	575	444TS	D200V1GS	\$13,917	DS-VSO	36.1	1100	95	179	SGR
	1800(3600)	460	445T	D200V2C	\$15,572	DS-VSO	39.8	1200	95.8	225	SGR
	1800(3600)	575	445T	D200V2G	\$15,572	DS-VSO	39.8	1200	95.8	182	SGR
	1200(2400)	460	447T	D200V3C	\$19,649	DS-VSO	43.3	1700	95.4	250	SGR
	1200(2400)	575	447T	D200V3G	\$19,649	DS-VSO	43.3	1700	95.4	205	SGR
250	3600(4500)	460	445TS	D250V1CS	\$18,343	DS-VSO	36.1	1200	95	276	SGR
	3600(4500)	575	445TS	D250V1GS	\$18,343	DS-VSO	36.1	1200	95	222	SGR
	1800(3600)	460	445T	D250V2C	\$17,605	DS-VSO	39.8	1200	96.2	284	SGR
	1800(3600)	575	445T	D250V2G	\$17,605	DS-VSO	39.8	1200	95.8	224	SGR

Note SGR Shaft Grounding Ring

