

General Purpose Three Phase Open Dripproof (ODP) Energy Efficient



FD, FR

APPLICATIONS:

Designed for pumps, fans, compressors, material handling and other general purpose applications where contaminants are minimal.

FEATURES:

- Class F Insulation, Class B Rise at Service Factor (140 Frame & Larger)
- Rolled Steel Frame 56-320, Cast Iron Frame 360-440
- Aluminum End Shields 56-250, Cast Iron End Shields 280-440
- "CE" Mark on Nameplate (140 Frame & Larger)
- Full 50 & 60 Hertz Operating Data on Nameplate (3) (140 Frame & Larger)
- 40°C Ambient, NEMA® Design B Performance (4)
- Full HP @ 50 Hz
- Regreasable Bearings 180 Frame & Up, Lifting Provisions 210 Frame & Up
- Double Shielded Bearings 48-400; Open on 440
- Suitable for Wye-Delta Start 250 Frame & Larger
- Dual Voltage Ratings Suitable for Part Winding Start (PWS) on Low Voltage
- F1 Assembly Position
- Conversion Kits: Canopy Kits (140-320 Frame)
- Catalog Number Identifies Those That Are Standard Efficient

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs.)	Full Load Eff.	Full Load Amps	Notes
1/4	1800	208-230/460	48	D14S2D4	\$200	DS-3FMP	1.35	9.6	14	-	1.3-1.3/0.65	26
	1800	208-230/460	56	D14S2A	\$200	DS-3FMP	1.35	9.6	16	-	1.5-1.5/0.75	26
	1200	208-230/460	56	D14S3A	\$326	DS-3F	1.35	9.6	17	-	1.4-1.4/0.7	-
1/3	3600	208-230/460	48	D13S1D4	\$203	DS-3FMP	1.35	9.4	27	-	1.3-1.4/0.7	26
	3600	208-230/460	56	D13S1A	\$226	DS-3FMP	1.35	9.6	16	-	1.4-1.5/0.75	26
	1800	208-230/460	48	D13S2D4	\$215	DS-3FMP	1.35	9.6	16	-	1.5-1.7/0.8	26
	1800	230/460	56	4314	\$159	DS-3FMP	1.35	10.0	17	-	1.8/0.9	LA
	1800	208-230/460	56	D13S2A	\$191	DS-3F	1.35	9.9	25	-	1.5-1.7/0.8	26
	1200	208-220/440	56	D13S3M	\$340	DS-3FMP	1.35	10.3	22	-	1.7-1.8/0.9	26, LA
1/2	3600	208-230/460	48	D12S1D4	\$215	DS-3FMP	1.25	9.4	18	-	1.8-1.8/0.9	26
	3600	208-230/460	56	D12S1A	\$235	DS-3F	1.25	9.4	25	-	1.8-1.8/0.9	26
	1800	575	56	4388	\$235	DS-3FMP	1.25	9.9	21	-	0.77	26, LA
	1800	208-230/460	56	D12S2A	\$235	DS-3F	1.25	10.0	25	-	1.98-1.9/98	26
	1200	208-220/440	56	D12S3M	\$352	DS-3FMP	1.25	11.1	25	-	2.1-2.2/1.1	26, LA
	1200	208-230/460	56	D12S3A	\$352	DS-3F	1.25	12.0	25	-	2.2-2.2/1.1	-
3/4	3600	230/460	48	D34S1B	\$258	DS-3FMP	1.25	8.9	21	-	2.4/1.2	26
	1800	575	56	4361	\$240	DS-3FMP	1.25	10.6	24	-	1.03	26
	1800	208-230/460	56	D34S2A	\$240	DS-3F	1.25	10.0	27	-	2.7-2.8/1.4	26
	1200	208-230/460	143T	D34S3D14	\$369	DS-3FMP	1.25	12.2	32	80	3.4-3.5/1.7	26
	1200	208-220/440	56H	D34S3M	\$360	DS-3FMP	1.25	11.9	30	74	3.0/1.5 3.5/1.9	26
1	3600	208-230/460	56	D1S1A	\$242	DS-3F	1.15	10.4	27	-	2.8-2.9/1.4	26
	1800	200	143T	D1S2H	\$252	DS-3OP	1.15	12.7	30	80	4.1	LA
	1800	200	143T	D1E2H	\$261	DS-3FOP	1.15	12.8	30	82.5	3.4	-
	1800	208-230/460	143T	D1E2D	\$261	DS-3FOP	1.15	12.8	30	82.5	3.1-3.0/1.5	03
	1800	575	143T	D1E2G	\$261	DS-3FOP	1.15	12.8	30	82.5	1.2	-
	1800	575	56H	4370	\$253	DS-3FMP	1.15	10.6	25	-	1.4	26, LA
	1800	208-230/460	56H	7904	\$253	DS-3FMP	1.15	11.1	25	-	3.4-3.4/1.7	26, LA
	1800	208-230/460	56HZ	D1E2DHz	\$261	DS-3FMP	1.15	12.0	29	82.5	4.0-3.8/1.9	26
	1200	200	145T	D1E3H	\$430	DS-3FOP	1.15	12.8	35	80	4.3	-
	1200	208-230/460	145T	D1E3D	\$430	DS-3FOP	1.15	12.8	35	80	3.7-3.6/1.8	03
	1200	575	145T	D1E3G	\$430	DS-3FOP	1.15	12.8	35	80	1.5	-

- Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz; 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
 Note 04 On 60 Hertz Sine Wave power

- Note 05 F2 Assembly Position
 Note 24 Automatic Reset Thermal Overload Protector
 Note 26 Does not include World Motor® features
 Note 57 Not suitable for Belted Applications
 Note LA Limited Availability

† All non-Emerson Electric Co. marks shown within this document are properties of their other respective owners

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APPLICATIONS:

Designed for pumps, fans, compressors, material handling and other general purpose applications where contaminants are minimal.

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs.)	Full Load Eff.	Full Load Amps	Notes	
1	1200	208-230/460	56H	D1S3DH	\$430	DS-3FMP	1.15	12.1	34	77	4.2-4.3/2.2	26	
	900	200	182T	D1E4H	\$481	DS-3FOP	1.15	15.0	50	75.5	5.2	-	
	900	208-230/460	182T	D1E4D	\$481	DS-3FOP	1.15	15.0	50	75.5	4.4-4.6/2.3	03	
	900	575	182T	D1E4G	\$481	DS-3FOP	1.15	15.0	50	75.5	2	-	
1-1/2	3600	200	143T	D32E1H	\$352	DS-3FOP	1.15	12.8	30	82.5	4.6	-	
	3600	208-230/460	143T	D32E1D	\$352	DS-3FOP	1.15	12.8	30	82.5	4.3-4/2	03	
	3600	575	143T	D32E1G	\$352	DS-3FOP	1.15	12.8	30	82.5	1.6	-	
	3600	208-220/440	56	D32S1M	\$329	DS-3FMP	1.15	11.1	26	-	4.8/2.3 5.1/2.0	26	
	1800	200	145T	D32S2H	\$250	DS-3OP	1.15	12.7	35	80	5.7	-	
	1800	200	145T	D32E2H	\$278	DS-3FOP	1.15	12.8	35	84	5.0	-	
	1800	208-230/460	145T	D32E2D	\$278	DS-3FOP	1.15	12.8	35	84	4.8-4.7	03	
	1800	575	145T	D32E2G	\$278	DS-3FOP	1.15	12.8	35	84	1.7	-	
	1800	208-220/440	56H	8862	\$265	DS-3FMP	1.15	11.6	33	-	5.0/2.5	26, LA	
	1800	208-230/460	56H	D32S2AH	\$265	DS-3F	1.15	11.6	32	-	5.0-5.0/2.5	26	
	1800	208-230/460	56HZ	D32E2DHZ	\$278	DS-3FMP	1.15	12.5	34	84	5.0-4.9/2.5	26	
	1200	200	182T	D32E3H	\$494	DS-3FOP	1.15	15.0	50	84	6.1	-	
	1200	208-230/460	182T	D32E3D	\$494	DS-3FOP	1.15	15.0	50	84	5.4-5.3/2.6	03	
	1200	575	182T	D32E3G	\$494	DS-3FOP	1.15	15.0	50	84	2.1	-	
	1200	208-230/460	56H	D32S3DH	\$491	DS-3FMP	1.15	13.1	33	-	6.2-6.3/3.1	26	
	900	200	184T	D32E4H	\$584	DS-3FOP	1.15	15.0	60	78.5	7.4	-	
	900	208-230/460	184T	D32E4D	\$584	DS-3FOP	1.15	15.0	60	77	6.2-6.7/3.4	03	
	900	575	184T	D32E4G	\$584	DS-3FOP	1.15	15.0	60	78.5	2.6	-	
	2	3600	208-230/460	145T	D2E1A14	\$390	DS-3F	1.15	-	39	84	6.1-5.6/2.8	-
		3600	200	145T	D2E1H	\$390	DS-3FOP	1.15	12.8	35	84	5.8	-
3600		208-230/460	145T	D2E1D	\$390	DS-3FOP	1.15	12.8	35	84	5.6-5.1/2.5	03	
3600		575	145T	D2E1G	\$390	DS-3FOP	1.15	12.8	35	84	2.0	-	
3600		208-220/440	56H	D2S1MH	\$383	DS-3FMP	1.15	11.6	33	-	6.2-6.2/3.1	26	
3600		208-230/460	56HZ	D2E1DHZ	\$390	DS-3FMP	1.15	13.1	39	84	6.0-5.5/2.8	26	
1800		200	145T	D2S2H	\$269	DS-3OP	1.15	13.2	35	82.5	7.5	-	
1800		200	145T	D2E2H	\$299	DS-3FOP	1.15	12.8	35	84	6.9	-	
1800		208-230/460	145T	D2E2D	\$299	DS-3FOP	1.15	12.8	35	84	6.1-6.2/3.1	03	
1800		575	145T	D2E2G	\$299	DS-3FOP	1.15	12.8	35	84	2.4	-	
1800		230/460	56H	D2S2BH	\$323	DS-3FMP	1.15	11.5	33	-	6.0/3.0	26	
1800		208-230/460	56HZ	D2E2DHZ	\$299	DS-3FMP	1.15	12.4	36	85.5	6.6-6.6/3.3	26	
1200		200	184T	D2E3H	\$485	DS-3FOP	1.15	15.0	60	85.5	7.8	-	
1200		208-230/460	184T	D2E3D	\$485	DS-3FOP	1.15	15.0	60	85.5	6.8-6.6/3.3	03	
1200		575	184T	D2E3G	\$485	DS-3FOP	1.15	15.0	60	85.5	2.6	-	
900		200	213T	D2E4H	\$785	DS-3FOP	1.15	16.0	90	85.5	8.6	-	
900		208-230/460	213T	D2E4D	\$785	DS-3FOP	1.15	16.0	90	85.5	7.9-7.4/3.7	03	
900		575	213T	D2E4G	\$785	DS-3FOP	1.15	16.0	90	85.5	3.0	-	

Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
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HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs.)	Full Load Eff.	Full Load Amps	Notes
3	3600	200	145T	D3E1H	\$415	DS-3FOP	1.15	12.8	35	84	8.6	-
	3600	208-230/460	145T	D3E1D	\$415	DS-3FOP	1.15	12.8	35	84	8.3-7.5/3.7	03
	3600	575	145T	D3E1G	\$415	DS-3FOP	1.15	12.8	35	84	3.0	-
	3600	208-230/460	56HZ	D3E1AHZ	\$430	DS-3F	1.15	13.0	35	-	9.2-8.7/4.3	26
	3600	208-230/460	56HZ	D3E1AHZ	\$430	DS-3F	1.15	13.0	35	-	8.5-7.3/3.6	-
	1800	208-230/460	145T	D3E2D14	\$327	DS-3FMP	1.15	13.5	41	86.5	9.7-9.4/4.6	26
	1800	200	182T	D3E2H	\$327	DS-3FOP	1.15	15.0	50	86.5	9.6	-
	1800	200	182T	D3S2H	\$300	DS-3OP	1.15	15.0	50	78.5	10.5	-
	1800	208-230/460	182T	D3E2D	\$327	DS-3FOP	1.15	15.0	50	86.5	8.6-8.7/4.4	03
	1800	575	182T	D3E2G	\$327	DS-3FOP	1.15	15.0	50	86.5	3.4	-
	1800	208-230/460	56HZ	D3E2DHZ	\$419	DS-3FMP	1.15	13.5	45	86.5	9.7-9.4/4.6	26
	1200	200	213T	D3E3H	\$569	DS-3FOP	1.15	16.0	90	86.5	10.3	-
	1200	208-230/460	213T	D3E3D	\$569	DS-3FOP	1.15	16.0	90	86.5	9.8-9.1/4.6	03
	1200	575	213T	D3E3G	\$569	DS-3FOP	1.15	16.0	90	86.5	3.6	-
	900	200	215T	D3E4H	\$1,007	DS-3FOP	1.15	17.5	100	86.5	12.5	-
	900	208-230/460	215T	D3E4D	\$1,007	DS-3FOP	1.15	17.5	100	86.5	11.6-10.8/5.4	03
900	575	215T	D3E4G	\$1,007	DS-3FOP	1.15	17.5	100	86.5	4.4	-	
5	3600	200	182T	D5E1H	\$428	DS-3FOP	1.15	15.0	50	85.5	14.8	-
	3600	200	182T	D5S1H	\$385	DS-3OP	1.15	15.0	50	85.5	15.2	-
	3600	208-230/460	182T	D5E1D	\$428	DS-3FOP	1.15	15.0	50	85.5	14.1-12.8/6.4	0 3
	3600	575	182T	D5E1G	\$428	DS-3FOP	1.15	15.0	50	85.5	5.1	-
	1800	200	184T	D5E2H	\$361	DS-3FOP	1.15	15.0	60	87.5	14.5	-
	1800	200	184T	D5S2H	\$325	DS-3OP	1.15	15.0	60	81.5	16.7	-
	1800	208-230/460	184T	D5E2D	\$361	DS-3FOP	1.15	15.0	60	87.5	14.0-12.7/6.4	03
	1800	208-230/460	184T	D5EA2A	\$544	DS-3FOP	1.15	15.4	60	87.5	13.9-12.7/6.4	24, 26
	1800	575	184T	D5E2G	\$361	DS-3FOP	1.15	15.0	60	88.5	5.0	-
	1200	200	215T	D5E3H	\$747	DS-3FOP	1.15	17.5	100	87.5	16.5	-
	1200	208-230/460	215T	D5E3D	\$747	DS-3FOP	1.15	17.5	100	87.5	15.7-14.5/7.3	03
	1200	575	215T	D5E3G	\$747	DS-3FOP	1.15	17.5	100	87.5	5.8	-
	900	200	254T	D5E4H	\$1,291	DS-3FOP	1.15	22.6	150	87.5	18.0	02
	900	208-230/460	254T	D5E4D	\$1,291	DS-3FOP	1.15	22.6	150	88.5	16.2-15.2/7.6	02, 03
900	575	254T	D5E4G	\$1,291	DS-3FOP	1.15	22.6	150	87.5	6.1	02	
7-1/2	3600	200	184T	D7E1H	\$589	DS-3FOP	1.15	15.0	60	87.5	20.7	-
	3600	208-230/460	184T	D7E1D	\$589	DS-3FOP	1.15	15.0	60	87.5	20.4-18.1/9.1	03
	3600	575	184T	D7E1G	\$589	DS-3FOP	1.15	15.0	60	87.5	7.2	-
	1800	200	213T	D7E2H	\$513	DS-3FOP	1.15	16.0	90	88.5	22.0	-
	1800	208-230/460	213T	D7E2D	\$513	DS-3FOP	1.15	16.0	90	88.5	21.1-20.0/10.0	03
	1800	208-230/460	213T	D7EA2A	\$748	DS-3FOP	1.15	16.0	90	88.5	21.2-18.9/9.5	24, 26

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 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
 Note 04 On 60 Hertz Sine Wave power

Note 05 F2 Assembly Position
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GEN. PURPOSE SINGLE PHASE
 GEN. PURPOSE THREE PHASE
 SEVERE DUTY
 HAZARDOUS LOCATION
 C-FACE SINGLE & THREE PHASE
 MULTI-SPEED THREE PHASE
 INVERTER DUTY
 VECTOR DUTY
 DRIVES
 BRAKE MOTORS
 U FRAME MOTORS
 DIRECT CURRENT (DC)

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HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs.)	Full Load Eff.	Full Load Amps	Notes
7-1/2	1800	575	213T	D7E2G	\$513	DS-3FOP	1.15	16.0	90	88.5	7.6	-
	1200	200	254T	D7E3H	\$923	DS-3FOP	1.15	22.6	150	88.5	22.2	02
	1200	208-230/460	254T	D7E3D	\$923	DS-3FOP	1.15	22.6	150	88.5	21.1-19.2/9.6	02, 03
	1200	575	254T	D7E3G	\$923	DS-3FOP	1.15	22.6	150	88.5	7.7	02
	900	200	256T	D7E4H	\$1,642	DS-3FOP	1.15	23.2	160	88.5	26.6	02
	900	208-230/460	256T	D7E4D	\$1,642	DS-3FOP	1.15	23.2	160	88.5	23.9-22.8/11.4	02, 03
	900	575	256T	D7E4G	\$1,642	DS-3FOP	1.15	23.2	160	88.5	9.0	02
10	3600	200	213T	D10E1H	\$740	DS-3FOP	1.15	16.0	90	88.5	29.2	-
	3600	208-230/460	213T	D10E1D	\$740	DS-3FOP	1.15	16.0	90	88.5	27.5-25.3/12.6	03
	3600	575	213T	D10E1G	\$740	DS-3FOP	1.15	16.0	90	88.5	10.2	-
	1800	200	215T	D10E2H	\$628	DS-3FOP	1.15	17.5	100	89.5	28.4	-
	1800	208-230/460	215T	D10E2D	\$628	DS-3FOP	1.15	17.5	100	89.5	27.3-25.3/12.7	03
	1800	575	215T	D10E2G	\$628	DS-3FOP	1.15	17.5	100	89.5	9.9	-
	1200	200	256T	D10E3H	\$1,194	DS-3FOP	1.15	23.2	160	90.2	28.8	02
	1200	208-230/460	256T	D10E3D	\$1,194	DS-3FOP	1.15	23.2	160	90.2	27.4-25/12.5	02, 03
	1200	575	256T	D10E3G	\$1,194	DS-3FOP	1.15	23.2	160	90.2	10.0	02
	900	200	284T	D10E4H	\$1,948	DS-3FOP	1.15	24.9	210	89.5	33.0	02
	900	208-230/460	284T	D10E4D	\$1,948	DS-3FOP	1.15	24.9	210	89.5	31.0-29.2/14.6	02, 03
	900	575	284T	D10E4G	\$1,948	DS-3FOP	1.15	24.9	210	89.5	11.5	02
15	3600	200	215T	D15E1H	\$1,083	DS-3FOP	1.15	17.5	100	89.5	41	-
	3600	208-230/460	215T	D15E1D	\$1,083	DS-3FOP	1.15	17.5	100	90.2	40-36/18	03
	3600	575	215T	D15E1G	\$1,083	DS-3FOP	1.15	17.5	100	89.5	14.5	-
	1800	200	254T	D15E2H	\$951	DS-3FOP	1.15	22.6	150	91	44	02
	1800	208-230/460	254T	D15E2D	\$951	DS-3FOP	1.15	22.6	150	91	41-39/19.5	02, 03
	1800	575	254T	D15E2G	\$951	DS-3FOP	1.15	22.6	150	91	15.1	02
	1200	200	284T	D15E3H	\$1,563	DS-3FOP	1.15	24.9	225	90.2	43	02
	1200	208-230/460	284T	D15E3D	\$1,563	DS-3FOP	1.15	24.9	225	90.2	41-38/18.8	02, 03
	1200	575	284T	D15E3G	\$1,563	DS-3FOP	1.15	24.9	225	90.2	15.0	02
	900	200	286T	D15E4H	\$2,560	DS-3FOP	1.15	24.9	230	89.5	49	02
20	3600	200	254T	D20E1H	\$1,386	DS-3FOP	1.15	22.6	150	90.2	54	02
	3600	208-230/460	254T	D20E1D	\$1,386	DS-3FOP	1.15	22.6	150	90.2	54-47/23.6	02, 03
	3600	575	254T	D20E1G	\$1,386	DS-3FOP	1.15	22.6	150	90.2	18.9	02
	1800	200	256T	D20E2H	\$1,398	DS-3FOP	1.15	23.2	160	91	57	02
	1800	208-230/460	256T	D20E2D	\$1,398	DS-3FOP	1.15	23.2	160	91	55-51/25.6	02, 03
	1800	575	256T	D20E2G	\$1,398	DS-3FOP	1.15	23.2	160	91	20.1	02
	1200	200	286T	D20E3H	\$1,918	DS-3FOP	1.15	24.9	275	91	57	02
	1200	208-230/460	286T	D20E3D	\$1,918	DS-3FOP	1.15	24.9	275	91	55-50/25	02, 03

Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
 Note 04 On 60 Hertz Sine Wave power

Note 05 F2 Assembly Position
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 Note 26 Does not include World Motor® features
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General Purpose Three Phase Open Dripproof (ODP) Energy Efficient



FD, FR

APPLICATIONS:

Designed for pumps, fans, compressors, material handling and other general purpose applications where contaminants are minimal.

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs.)	Full Load Eff.	Full Load Amps	Notes
20	1200	575	286T	D20E3G	\$1,918	DS-3FOP	1.15	24.9	275	91	19.9	02
	900	200	324T	D20E4H	\$3,029	DS-3FOP	1.15	27.3	420	90.2	62	02
	900	208-230/460	324T	D20E4D	\$3,029	DS-3FOP	1.15	27.3	420	90.2	60-54/27	02, 03
	900	575	324T	D20E4G	\$3,029	DS-3FOP	1.15	27.3	420	90.2	21.6	02
25	3600	200	256T	D25E1H	\$1,677	DS-3FOP	1.15	23.2	160	91	67	02
	3600	208-230/460	256T	D25E1D	\$1,677	DS-3FOP	1.15	23.2	160	91	66-58/29	02
	3600	575	256T	D25E1G	\$1,677	DS-3FOP	1.15	23.2	160	91	23.2	02
	1800	200	284T	D25E2H	\$1,695	DS-3FOP	1.15	24.9	225	91.7	70	02
	1800	208-230/460	284T	D25E2D	\$1,695	DS-3FOP	1.15	24.9	225	92.4	66-60/30	02, 03
	1800	575	284T	D25E2G	\$1,695	DS-3FOP	1.15	24.9	225	91.7	24.4	02
	1800	200	284TS	D25E2HS	\$1,695	DS-3FOP	1.15	23.5	225	91.7	70	02
	1800	208-230/460	284TS	D25E2DS	\$1,695	DS-3FOP	1.15	23.5	225	92.4	66-60/30	02, 03
	1800	575	284TS	D25E2GS	\$1,695	DS-3FOP	1.15	23.5	225	91.7	24.4	02
	1200	200	324T	D25E3H	\$2,694	DS-3FOP	1.15	27.3	420	91.7	68	02
	1200	208-230/460	324T	D25E3D	\$2,694	DS-3FOP	1.15	27.3	420	91.7	67-59/29.7	02, 03
	1200	575	324T	D25E3G	\$2,694	DS-3FOP	1.15	27.3	420	91.7	23.6	02
	900	200	326T	D25E4H	\$3,588	DS-3FOP	1.15	27.3	460	90.2	79	02
	900	208-230/460	326T	D25E4D	\$3,588	DS-3FOP	1.15	27.3	460	91	74-67/33	02, 03
900	575	326T	D25E4G	\$3,588	DS-3FOP	1.15	27.3	460	90.2	27.0	02	
30	3600	200	284TS	D30E1HS	\$1,775	DS-3FOP	1.15	23.5	225	91	80	02
	3600	208-230/460	284TS	D30E1DS	\$1,775	DS-3FOP	1.15	23.5	225	91	80-70/35	02, 03
	3600	575	284TS	D30E1GS	\$1,775	DS-3FOP	1.15	23.5	225	91	27.9	02
	1800	200	286T	D30E2H	\$1,981	DS-3FOP	1.15	24.9	250	92.4	81	02
	1800	208-230/460	286T	D30E2D	\$1,981	DS-3FOP	1.15	24.9	250	92.4	78-71/35	02, 03
	1800	575	286T	D30E2G	\$1,981	DS-3FOP	1.15	24.9	250	92.4	28.4	02
	1800	200	286TS	D30E2HS	\$1,981	DS-3FOP	1.15	23.5	250	92.4	81	02
	1800	208-230/460	286TS	D30E2DS	\$1,981	DS-3FOP	1.15	23.5	250	92.4	78-71/35	02, 03
	1800	575	286TS	D30E2GS	\$1,981	DS-3FOP	1.15	23.5	250	92.4	28.4	02
	1200	200	326T	D30E3H	\$2,840	DS-3FOP	1.15	27.3	460	92.4	81	02
	1200	208-230/460	326T	D30E3D	\$2,840	DS-3FOP	1.15	27.3	460	92.4	80-71/35	02, 03
	1200	575	326T	D30E3G	\$2,840	DS-3FOP	1.15	27.3	460	92.4	28.3	02
	900	230/460	364T	D30E4E	\$3,977	DS-3FOP	1.15	28.7	580	92.4	78/39	02, 03
	900	575	364T	D30E4G	\$3,977	DS-3FOP	1.15	28.7	580	92.4	31.0	02
40	3600	200	286TS	D40E1HS	\$2,501	DS-3FOP	1.15	23.5	275	91.7	104	02
	3600	208-230/460	286TS	D40E1DS	\$2,501	DS-3FOP	1.15	23.5	275	91.7	104-90/45	02, 03
	3600	575	286TS	D40E1GS	\$2,501	DS-3FOP	1.15	23.5	275	91.7	36.0	02
	1800	200	324T	D40E2H	\$2,459	DS-3FOP	1.15	27.3	420	93	106	02
	1800	200	324T	D40S2H	\$2,213	DS-3OP	1.15	27.3	420	91	110	-
	1800	208-230/460	324T	D40E2D	\$2,459	DS-3FOP	1.15	27.3	420	93.6	102-91/46	02, 03

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 Note 04 On 60 Hertz Sine Wave power

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GEN. PURPOSE SINGLE PHASE
 GEN. PURPOSE THREE PHASE
 SEVERE DUTY
 HAZARDOUS LOCATION
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 MULTI-SPEED THREE PHASE
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 DIRECT CURRENT (DC)

General Purpose Three Phase Open Dripproof (ODP) Energy Efficient



FD, FR

APPLICATIONS:

Designed for pumps, fans, compressors, material handling and other general purpose applications where contaminants are minimal.

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs.)	Full Load Eff.	Full Load Amps	Notes
40	1800	575	324T	D40E2G	\$2,459	DS-3FOP	1.15	27.3	420	93	37.0	02
	1800	200	324TS	D40E2HS	\$2,459	DS-3FOP	1.15	25.8	420	93	106	02
	1800	208-230/460	324TS	D40E2DS	\$2,459	DS-3FOP	1.15	25.8	420	93.6	102-91/46	02, 03
	1800	575	324TS	D40E2GS	\$2,459	DS-3FOP	1.15	25.8	420	93	37.0	02
	1200	230/460	364T	D40E3E	\$4,168	DS-3FOP	1.15	28.7	580	93.6	93/46	02, 03
	1200	575	364T	D40E3G	\$4,168	DS-3FOP	1.15	28.7	580	93.6	37.0	02
	900	230/460	365T	D40E4E	\$4,926	DS-3FOP	1.15	29.7	600	92.4	52	02, 03
	900	575	365T	D40E4G	\$4,926	DS-3FOP	1.15	29.7	600	91.7	42	02
50	3600	200	324TS	D50E1HS	\$2,591	DS-3FOP	1.15	25.8	420	92.4	133	02
	3600	208-230/460	324TS	D50E1DS	\$2,591	DS-3FOP	1.15	25.8	420	92.4	129-116/58	02, 03
	3600	575	324TS	D50E1GS	\$2,591	DS-3FOP	1.15	25.8	420	92.4	46	02
	1800	200	326T	D50E2H	\$2,967	DS-3FOP	1.15	27.3	460	93	131	02
	1800	208-230/460	326T	D50E2D	\$2,967	DS-3FOP	1.15	27.3	420	93.6	128-116/58	02, 03
	1800	575	326T	D50E2G	\$2,967	DS-3FOP	1.15	27.3	460	93	46	02
	1800	200	326TS	D50E2HS	\$2,967	DS-3FOP	1.15	25.8	460	93	131	02
	1800	208-230/460	326TS	D50E2DS	\$2,967	DS-3FOP	1.15	25.8	460	93.6	128-116/58	02, 03
	1800	460	326TS	D50E2SS	\$2,967	DS-3FOP	1.15	25.8	460	93	58	-
	1800	575	326TS	D50E2GS	\$2,967	DS-3FOP	1.15	25.8	460	93	46	02
	1200	230/460	365T	D50E3E	\$5,017	DS-3FOP	1.15	29.7	600	93.6	58	02, 03
	1200	575	365T	D50E3G	\$5,017	DS-3FOP	1.15	29.7	600	93.6	46	02
	900	230/460	404T	D50E4E	\$5,869	DS-3FOP	1.15	32.6	750	92.4	66	02, 03
	900	575	404T	D50E4G	\$5,869	DS-3FOP	1.15	32.6	750	92.4	53	02
60	3600	200	326TS	D60E1HS	\$3,621	DS-3FOP	1.15	25.8	460	93	157	02
	3600	208-230/460	326TS	D60E1DS	\$3,621	DS-3FOP	1.15	25.8	460	93	155-136/68	02, 03
	3600	575	326TS	D60E1GS	\$3,621	DS-3FOP	1.15	25.8	460	93	54	02
	1800	230/460	364T	D60E2E	\$3,661	DS-3FOP	1.15	28.7	580	93.6	150/75	02, 03
	1800	575	364T	D60E2G	\$3,661	DS-3FOP	1.15	28.7	580	94.1	55	02
	1800	230/460	364TS	D60E2ES	\$3,661	DS-3FOP	1.15	26.6	580	93.6	150/75	02, 03
	1800	460	364TS	D60E2SS	\$3,661	DS-3FOP	1.15	26.6	580	94.5	69	-
	1800	575	364TS	D60E2GS	\$3,661	DS-3FOP	1.15	26.6	580	94.1	55	02
	1200	230/460	404T	D60E3E	\$5,852	DS-3FOP	1.15	32.6	750	94.1	69	02, 03
	900	230/460	405T	D60E4E	\$6,805	DS-3FOP	1.15	34.1	800	93	79	02, 03
	900	575	405T	D60E4G	\$6,805	DS-3FOP	1.15	34.1	800	93	62	02
75	3600	230/460	364TS	D75E1ES	\$4,320	DS-3FOP	1.15	26.6	580	94.1	171/85	02, 03
	3600	575	364TS	D75E1GS	\$4,320	DS-3FOP	1.15	26.6	580	94.1	68	02
	1800	230/460	365T	D75E2E	\$4,494	DS-3FOP	1.15	29.7	600	94.1	172/86	02, 03
	1800	575	365T	D75E2G	\$4,494	DS-3FOP	1.15	29.7	600	95	70	02
	1800	230/460	365TS	D75E2ES	\$4,494	DS-3FOP	1.15	27.6	600	94.1	172/86	02, 03
	1800	460	365TS	D75E2SS	\$4,494	DS-3FOP	1.15	27.6	600	95	86	-

Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
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General Purpose Three Phase Open Dripproof (ODP) Energy Efficient



FD, FR

APPLICATIONS:

Designed for pumps, fans, compressors, material handling and other general purpose applications where contaminants are minimal.

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs.)	Full Load Eff.	Full Load Amps	Notes
75	1800	575	365TS	D75E2GS	\$4,494	DS-3FOP	1.15	27.6	600	95	70	02
	1200	230/460	405T	D75E3E	\$6,911	DS-3FOP	1.15	34.1	800	94.1	172/86	02, 03
	1200	575	405T	D75E3G	\$6,911	DS-3FOP	1.15	34.1	800	93.6	69	02
	900	230/460	444T	D75E4E	\$8,186	DS-3FOP	1.15	37.8	1100	93.6	94	02, 03
	900	575	444T	D75E4G	\$8,186	DS-3FOP	1.15	37.8	1100	94.1	74	02
100	3600	230/460	365TS	D100E1ES	\$4,885	DS-3FOP	1.15	27.6	600	93.6	112	02, 03
	3600	575	365TS	D100E1GS	\$4,885	DS-3FOP	1.15	27.6	600	94.1	89	02
	1800	230/460	404T	D100E2E	\$4,905	DS-3FOP	1.15	32.6	750	94.5	226/113	02, 03
	1800	575	404T	D100E2G	\$4,905	DS-3FOP	1.15	32.6	750	95	90	02
	1800	230/460	404TS	D100E2ES	\$4,905	DS-3FOP	1.15	29.6	750	94.5	226/113	02, 03
	1800	460	404TS	D100E2SS	\$4,905	DS-3FOP	1.15	29.6	750	94.5	113	-
	1800	575	404TS	D100E2GS	\$4,905	DS-3FOP	1.15	29.6	750	95	90	02
	1200	230/460	444T	D100E3E	\$7,471	DS-3FOP	1.15	37.8	1100	94.1	244/122	02, 03
	1200	575	444T	D100E3G	\$7,471	DS-3FOP	1.15	37.8	1100	95	98	02
	900	230/460	445T	D100E4E	\$11,544	DS-3FOP	1.15	39.8	1200	94.1	122	02, 03
	900	575	445T	D100E4G	\$11,544	DS-3FOP	1.15	39.8	1200	94.1	98	02
125	3600	460	404TS	D125E1FS	\$5,575	DS-3FOP	1.15	29.6	750	94.1	137	02, 03
	3600	575	404TS	D125E1GS	\$5,575	DS-3FOP	1.15	29.6	750	94.1	110	02
	1800	460	405T	D125E2F	\$5,640	DS-3FOP	1.15	34.1	800	95	140	02, 03
	1800	575	405T	D125E2G	\$5,640	DS-3FOP	1.15	34.1	800	95	112	02
	1800	460	405TS	D125E2FS	\$5,640	DS-3FOP	1.15	31.1	800	95	140	02, 03
	1800	460	405TS	D125E2SS	\$5,640	DS-3FOP	1.15	31.1	800	95	140	-
	1800	575	405TS	D125E2GS	\$5,640	DS-3FOP	1.15	31.1	800	95	112	02
	1200	460	445T	D125E3F	\$7,994	DS-3FOP	1.15	39.8	1200	95	151	02, 03
	1200	575	445T	D125E3G	\$7,994	DS-3FOP	1.15	39.8	1200	95	122	02
	900	460	445T	D125E4F	\$11,987	DS-3FOP	1.15	39.8	1200	94.1	154	02, 03
	900	575	445T	D125E4G	\$11,987	DS-3FOP	1.15	39.8	1200	93.6	124	02
150	3600	460	405TS	D150E1FS	\$7,525	DS-3FOP	1.15	31.1	800	93.6	165	-
	3600	575	405TS	D150E1GS	\$7,525	DS-3FOP	1.15	31.1	800	93.6	132	02
	1800	460	444T	D150E2F	\$7,300	DS-3FOP	1.15	37.8	1100	95.4	172	02, 03
	1800	575	444T	D150E2G	\$7,300	DS-3FOP	1.15	37.8	1100	95.4	138	02
	1800	460	444TS	D150E2FS	\$7,300	DS-3FOP	1.15	34.0	1100	95	171	-
	1800	460	444TS	D150E2SS	\$7,300	DS-3FOP	1.15	34.0	1100	95.4	172	-
	1800	575	444TS	D150E2GS	\$7,300	DS-3FOP	1.15	34.0	1100	95.4	138	02
	1200	460	445T	D150E3F	\$8,641	DS-3FOP	1.15	39.8	1200	95.4	185	02, 03
	900	460	447T	D150E4F	\$13,524	DS-3FOP	1.15	43.3	1700	94.1	183	02, 03
	900	575	447T	D150E4G	\$13,524	DS-3FOP	1.15	43.3	1700	94.1	146	02
200	3600	460	444TS	D200E1FS	\$8,302	DS-3FOP	1.15	34.0	1100	94.5	226	02, 03
	3600	575	444TS	D200E1GS	\$8,302	DS-3FOP	1.15	34.0	1100	94.5	181	02

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 GEN. PURPOSE THREE PHASE
 SEVERE DUTY
 HAZARDOUS LOCATION
 C-FACE SINGLE & THREE PHASE
 MULTI-SPEED THREE PHASE
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General Purpose Three Phase Open Dripproof (ODP) Energy Efficient



FD, FR

APPLICATIONS:

Designed for pumps, fans, compressors, material handling and other general purpose applications where contaminants are minimal.

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs.)	Full Load Eff.	Full Load Amps	Notes
200	1800	460	445T	D200E2F	\$8,518	DS-3FOP	1.15	39.8	1200	95	235	02, 03
	1800	575	445T	D200E2G	\$8,518	DS-3FOP	1.15	39.8	1200	95.8	184	02
	1800	460	445TS	D200E2FS	\$8,518	DS-3FOP	1.15	36.0	1400	95	235	02, 03
	1800	575	445TS	D200E2GS	\$8,518	DS-3FOP	1.15	36.0	1200	95.8	184	02
	1200	460	445T	D200E3F	\$11,001	DS-3FOP	1.15	39.8	1200	94.5	234	02, 03
	1200	575	445T	D200E3G	\$11,001	DS-3FOP	1.15	39.8	1200	94.5	186	02
	900	460	449T	D200E4F	\$13,755	DS-3FOP	1.15	48.3	2000	93.6	255	02, 03, 57
	900	575	449T	D200E4G	\$13,755	DS-3FOP	1.15	48.3	2000	93.6	202	02,57
250	3600	460	445TS	D250E1FS	\$10,139	DS-3FOP	1.15	36.0	1200	95	281	02, 03
	3600	575	445TS	D250E1GS	\$10,139	DS-3FOP	1.15	36.0	1200	94.5	225	02
	1800	460	445T	D250E2F	\$10,094	DS-3FOP	1.15	39.8	1200	95.4	277	02, 03
	1800	575	445T	D250E2G	\$10,094	DS-3FOP	1.15	39.8	1200	95.4	221	02
	1800	460	445TS	D250E2FS	\$10,094	DS-3FOP	1.15	36.0	1200	95.4	277	02, 03
	1800	575	445TS	D250E2GS	\$10,094	DS-3FOP	1.15	36.0	1200	95.4	221	02
	1200	460	447T	D250E3F	\$13,031	DS-3FOP	1.15	43.3	1700	95.4	284	02, 03
	1200	575	447T	D250E3G	\$13,031	DS-3FOP	1.15	43.3	1700	95.4	229	02
300	3600	460	445TS	D300E1FS	\$15,851	DS-3FOP	1.15	36.0	1200	95.4	326	02, 03
	3600	575	445TS	D300E1GS	\$15,851	DS-3FOP	1.15	36.0	1200	95.4	256	02
	1800	460	447T	D300E2F	\$13,230	DS-3FOP	1.15	43.3	1700	95.4	329	02, 03
	1800	575	447T	D300E2G	\$13,230	DS-3FOP	1.15	43.3	1700	95.4	262	02
	1800	460	447TS	D300E2FS	\$13,230	DS-3FOP	1.15	39.5	1700	95.4	329	02, 03
	1800	575	447TS	D300E2GS	\$13,230	DS-3FOP	1.15	39.5	1700	95.4	263	02
	1200	460	449T	D300E3F	\$15,132	DS-3FOP	1.15	48.3	2000	95	350	02, 03, 57
350	3600	460	447TS	D350E1FS	\$18,142	DS-3FOP	1.15	39.5	1700	95.4	377	02, 03
	3600	575	447TS	D350E1GS	\$18,142	DS-3FOP	1.15	39.5	1700	95.4	297	02
	1800	460	447T	D350E2F	\$17,924	DS-3FOP	1.15	43.3	1700	95.8	383	02, 03
	1800	575	447T	D350E2G	\$17,924	DS-3FOP	1.15	43.3	1700	95.4	305	02
	1800	460	447TS	D350E2FS	\$17,924	DS-3FOP	1.15	39.5	1700	95.8	383	02, 03
	1800	575	447TS	D350E2GS	\$17,924	DS-3FOP	1.15	39.5	1700	95.4	307	02
400	3600	575	447TS	D400E1GS	\$21,284	DS-3FOP	1.15	39.5	1700	95.4	343	02
	3600	460	449TS	D400E1FS	\$21,284	DS-3FOP	1.15	44.5	2000	95.4	434	-
	1800	460	449TM	D400E2F	\$19,454	DS-3FOP	1.15	44.5	2000	95.8	441	02, 03, 57
	1800	575	449TM	D400E2GT	\$19,454	DS-3FOP	1.15	44.5	2000	95.8	349	02, 57

Note 02 Suitable for Wye-Delta start on voltages shown
 Note 03 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380V 50 Hz; Full 60 & 50 Hz data on Nameplate
 Note 04 On 60 Hertz Sine Wave power

Note 05 F2 Assembly Position
 Note 24 Automatic Reset Thermal Overload Protector
 Note 26 Does not include World Motor® features
 Note 57 Not suitable for Belted Applications
 Note LA Limited Availability