

# Special Application Three Phase Open Dripproof (ODP) Energy Efficient Motors UL<sup>®</sup>† Listed for Fire Pump Applications



R, D,  
FD, FR

## APPLICATIONS:

For fire pump applications per NFPA<sup>®</sup> 20 where contaminants are minimal.

## FEATURES:

- Class F Insulation, Class B Rise At Service Factor
- Rolled Steel Frame 250-320, Cast Iron Frame 360-440
- Aluminum End Shields 250, Cast Iron End Shields 280-440
- Premasked Mylar Nameplate 250-320, Stainless Steel 360-440 Frame
- 40°C Ambient, NEMA<sup>®</sup> Design B Performance On 60 Hertz Sine Wave Power
- Regreasable Bearings 180 Frame & Larger
- Double Shielded Bearings 250-400, Open On 440 Frame
- Lifting Provisions 210 Frame & Larger
- Suitable For Wye-Delta Start 250 Frame & Larger
- Dual Voltage Ratings Suitable For Part Winding Start (PWS) On Low Voltage
- 230/460 & 575 Volt Ratings Comply With NRCAN Standards
- 230/460V Ratings Dual Plated For 190/380V 50 Hz, Next Lower Horsepower
- Oversized Connection Diagram, "CE" Mark On Nameplate

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs.)	Full Load Amps	Full Load Eff.	Notes
20	3600	200/400	254T	FF20E1X	\$2,313	DS-3FFP	1.15	22.6	150	54/26.9	90.2	17
	3600	208-230/460	254T	FF20E1A	\$2,313	DS-3FFP	1.15	22.6	150	54-47/23.6	90.2	
	3600	575	254T	FF20E1G	\$2,313	DS-3FFP	1.15	22.6	150	18.9	90.2	38
	1800	200/400	256T	FF20E2X	\$2,120	DS-3FFP	1.15	23.2	160	58.29.1	91.0	17
	1800	208-230/460	256T	FF20E2A	\$2,120	DS-3FFP	1.15	23.2	160	54-50/24.9	91.0	
	1800	575	256T	FF20E2G	\$2,120	DS-3FFP	1.15	23.2	160	20.1	91.0	38
25	3600	200/400	256T	FF25E1X	\$2,802	DS-3FFP	1.15	23.2	160	66/33	91.0	17
	3600	208-230/460	256T	FF25E1A	\$2,802	DS-3FFP	1.15	23.2	160	66-58/29	91.0	
	3600	575	256T	FF25E1G	\$2,802	DS-3FFP	1.15	23.2	160	23.2	91.0	38
	1800	200/400	284TS	FF25E2XS	\$2,571	DS-3FFP	1.15	23.5	300	70/35	91.7	17
	1800	208-230/460	284TS	FF25E2AS	\$2,571	DS-3FFP	1.15	23.5	300	66-60/30	91.7	
	1800	575	284TS	FF25E2GS	\$2,571	DS-3FFP	1.15	23.5	300	24.4	91.7	38
30	3600	200/400	284TS	FF30E1XS	\$3,276	DS-3FFP	1.15	23.5	300	78/39	91.0	17
	3600	208-230/460	284TS	FF30E1AS	\$3,276	DS-3FFP	1.15	23.5	300	80-70/35	91.0	
	3600	575	284TS	FF30E1GS	\$3,276	DS-3FFP	1.15	23.5	300	27.9	91.0	38
	1800	200/400	286TS	FF30E2XS	\$3,006	DS-3FFP	1.15	23.5	325	79/40	92.4	17
	1800	208-230/460	286TS	FF30E2AS	\$3,006	DS-3FFP	1.15	23.5	325	78-71/35	92.4	
	1800	575	286TS	FF30E2GS	\$3,006	DS-3FFP	1.15	23.5	325	28.4	92.4	38
40	3600	200/400	286TS	FF40E1XS	\$4,066	DS-3FFP	1.15	23.5	325	106/53	91.7	17
	3600	208-230/460	286TS	FF40E1AS	\$4,066	DS-3FFP	1.15	23.5	325	104-90/45	91.7	
	3600	575	286TS	FF40E1GS	\$4,066	DS-3FFP	1.15	23.5	325	36.0	91.7	38
	1800	200/400	324TS	FF40E2XS	\$3,730	DS-3FFP	1.15	25.8	385	105/53	93.0	17
	1800	208-230/460	324TS	FF40E2AS	\$3,730	DS-3FFP	1.15	25.8	385	102-91/46	93.0	
	1800	575	324TS	FF40E2GS	\$3,730	DS-3FFP	1.15	25.8	385	37.0	93.0	38
50	3600	200/400	324TS	FF50E1XS	\$4,905	DS-3FFP	1.15	25.8	385	134/67	92.4	17
	3600	208-230/460	324TS	FF50E1AS	\$4,905	DS-3FFP	1.15	25.8	385	129-116/58	92.4	
	3600	575	324TS	FF50E1GS	\$4,905	DS-3FFP	1.15	25.8	385	46	92.4	38
	1800	200/400	326TS	FF50E2XS	\$4,501	DS-3FFP	1.15	25.8	415	131/65	93.0	38
	1800	208-230/460	326TS	FF50E2AS	\$4,501	DS-3FFP	1.15	25.8	415	128-116/58	93.0	
	1800	575	326TS	FF50E2GS	\$4,501	DS-3FFP	1.15	25.8	415	46	93.0	38
60	3600	200/400	326TS	FF60E1XS	\$6,054	DS-3FFP	1.15	25.8	415	156/78	93.0	17
	3600	230/460	326TS	FF60E1BS	\$6,054	DS-3FFP	1.15	25.8	415	136/68	93.0	
	3600	575	326TS	FF60E1GS	\$6,054	DS-3FFP	1.15	25.8	415	54	93.0	38

Note 17 Twelve leads for across-the-line or wye-delta start on either voltage, part winding start on lower voltage

Note 38 Q-6 Leads for across-the-line or wye-delta start

† All marks shown within this document are properties of their respective owners

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FD, FR

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs.)	Full Load Amps	Full Load Eff.	Notes
60	1800	200/400	364TS	FF60E2XS	\$5,554	DS-3FFP	1.15	26.6	580	159/80	93.6	17
	1800	230/460	364TS	FF60E2BS	\$5,554	DS-3FFP	1.15	26.6	580	150/75	93.6	
	1800	575	364TS	FF60E2GS	\$5,554	DS-3FFP	1.15	26.6	580	55	94.1	38
75	3600	200/400	364TS	FF75E1XS	\$7,430	DS-3FFP	1.15	26.6	580	200/100	93.0	17
	3600	230/460	364TS	FF75E1ES	\$7,430	DS-3FFP	1.15	26.6	580	171/85	93.0	
	3600	575	364TS	FF75E1GS	\$7,430	DS-3FFP	1.15	26.6	580	68	94.1	38
	1800	200/400	365TS	FF75E2XS	\$6,816	DS-3FFP	1.15	27.6	600	199/99	94.1	17
	1800	230/460	365TS	FF75E2BS	\$6,816	DS-3FFP	1.15	27.6	600	172/86	94.1	
	1800	575	365TS	FF75E2GS	\$6,816	DS-3FFP	1.15	27.6	600	70	95.0	38
100	3600	200/400	365TS	FF100E1XS	\$8,109	DS-3FFP	1.15	27.6	600	260/130	93.0	17
	3600	230/460	365TS	FF100E1BS	\$8,109	DS-3FFP	1.15	27.6	600	225/112	93.0	
	3600	575	365TS	FF100E1GS	\$8,109	DS-3FFP	1.15	27.6	600	89	94.1	38
	1800	200/400	404TS	FF100E2XS	\$7,440	DS-3FFP	1.15	29.6	750	261/130	94.1	17
	1800	230/460	404TS	FF100E2BS	\$7,440	DS-3FFP	1.15	32.6	750	226/113	94.1	
	1800	575	404TS	FF100E2GS	\$7,440	DS-3FFP	1.15	29.6	750	90	95.0	38
125	3600	460	404TS	FF125E1CS	\$9,324	DS-3FFP	1.15	29.6	750	137	93.6	47
	3600	575	404TS	FF125E1GS	\$9,324	DS-3FFP	1.15	29.6	750	110	94.1	38
	1800	460	405TS	FF125E2CS	\$8,554	DS-3FFP	1.15	31.1	800	140	95.0	47
	1800	575	405TS	FF125E2GS	\$8,554	DS-3FFP	1.15	31.1	800	112	95.0	38
150	3600	460	405TS	FF150E1CS	\$12,068	DS-3FFP	1.15	31.1	800	165	93.6	47
	3600	575	405TS	FF150E1GS	\$12,068	DS-3FFP	1.15	31.1	800	132	93.6	38
	1800	460	444TS	FF150E2CS	\$11,072	DS-3FFP	1.15	34.0	1100	172	95.0	47
	1800	575	444TS	FF150E2GS	\$11,072	DS-3FFP	1.15	34.0	1100	134	95.4	38
200	3600	460	444TS	FF200E1CS	\$14,082	DS-3FFP	1.15	34.0	1100	226	94.5	47
	3600	575	444TS	FF200E1GS	\$14,082	DS-3FFP	1.15	34.0	1100	181	94.5	38
	1800	575	445T	FF200E2GS	\$12,919	DS-3FFP	1.15	39.8	1200	182	95.4	38
	1800	460	445TS	FF200E2CS	\$12,919	DS-3FFP	1.15	36.0	1200	235	95.0	47
250	3600	460	445TS	FF250E1FS	\$16,688	DS-3FFP	1.15	36.0	1200	281	95.0	47
	3600	575	445TS	FF250E1GS	\$16,688	DS-3FFP	1.15	36.0	1200	225	94.5	38
	1800	460	445TS	FF250S2CS	\$14,242	DS-3FFP	1.15	36.0	1200	276	94.5	47
	1800	575	445TS	FF250E2GS	\$15,310	DS-3FFP	1.15	36.0	1200	221	95.4	38

Note 17 Twelve leads for across-the-line or wye-delta start on either voltage, part winding start on lower voltage

Note 38  
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Q-6 Leads for across-the-line or wye-delta start  
Q-12 leads for across-the-line, wye-delta or part winding start

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