

Special Application Three Phase, Open Drip Proof (ODP) UL^{®†} Listed for Fire Pump Applications



R, D,
FD, FR

APPLICATIONS:

For fire pump applications per NFPA^{®†} 20 where contaminants are minimal.

FEATURES:

- Class F Insulation, Class B Rise At Service Factor
- Rolled Steel Frame 250-360, Cast Iron Frame 400-440
- Aluminum End Shields 250, Cast Iron End Shields 280-440
- Premasked Mylar Nameplate 250-320, Stainless Steel 360-440 Frame
- 40°C Ambient, NEMA^{®†} 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
- 230/460 Volt Ratings Dual Plated for either 190/380 Volt or 200/400 Volt 50 Hertz, Next Lower Horsepower
- Oversized Connection Diagram
- 208v will not be marked on DOE regulated spread-voltage motors.
Refer to online data

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
20	3600	200/400	254T	FF20E1X	\$1,724	DS-3FFP	1.15	22.6	150	90.2	54/26.9	
	3600	208-230/460	254T	FF20E1A	\$1,724	DS-3FFP	1.15	22.6	162	90.2	54-47/23.6	
	1800	200/400	256T	FF20E2X	\$1,934	DS-3FFP	1.15	23.2	160	91.0	58/29.1	17
	1800	208-230/460	256T	FF20E2A	\$1,934	DS-3FFP	1.15	23.2	160	91.0	54-50/24.9	
25	3600	200/400	256T	FF25E1X	\$2,252	DS-3FFP	1.15	23.2	160	91.0	67/33	
	3600	208-230/460	256T	FF25E1A	\$2,252	DS-3FFP	1.15	23.2	172	91.0	66-58/29	
	1800	200/400	284TS	FF25E2XS	\$2,341	DS-3FFP	1.15	23.5	300	91.7	70/35	
	1800	230/460	284TS	FF25E2ES	\$2,341	DS-3FFP	1.15	23.0	225	91.7	61/31	
30	3600	200/400	284TS	FF30E1XS	\$2,654	DS-3FFP	1.15	23.5	300	92.4	78/39	
	3600	230/460	284TS	FF30E1ES	\$2,654	DS-3FFP	1.15	23.0	225	91.0	69/34	
	3000	380	286TS	FF30E1ZS	\$2,654	DS-3FFP	1.15	23.5	250	91.3	43	
	1800	200/400	286TS	FF30E2XS	\$2,780	DS-3FFP	1.15	23.5	350	93.6	79/40	
	1800	208-230/460	286TS	FF30E2AS	\$2,780	DS-3FFP	1.15	23.5	337	92.4	78-71/35	
40	3600	200/400	286TS	FF40E1XS	\$2,902	DS-3FFP	1.15	23.5	350	91.7	106/53	
	3600	230/460	286TS	FF40E1ES	\$2,902	DS-3FFP	1.15	23.5	325	93.0	90/45	
	3000	380	324TS	FF40E1ZS	\$2,902	DS-3FFP	1.15	25.8	385	92.0	56	
	3600	575	286TS	FF40E1GS	\$2,902	DS-3FFP	1.15	23.5	325	93.0	36	38
	1800	200/400	324TS	FF40E2XS	\$3,225	DS-3FFP	1.15	25.8	385	93.6	105/53	02
	1800	208-230/460	324TS	FF40E2AS	\$3,225	DS-3FFP	1.15	25.8	416	93.6	102-91/46	
	1800	575	324TS	FF40E2GS	\$3,225	DS-3FFP	1.15	25.8	416	93.0	37	38
50	3600	200/400	324TS	FF50E1XS	\$3,448	DS-3FFP	1.15	25.8	385	93.0	134/67	02
	3600	230/460	324TS	FF50E1DS	\$3,448	DS-3FFP	1.15	25.3	385	92.4	113.0/56.0	
	3000	380	326TS	FF50E1ZS	\$3,448	DS-3FFP	1.15	25.8	460	92.5	68	
	3600	575	324TS	FF50E1GS	\$3,448	DS-3FFP	1.15	25.8	416	92.4	46	38
	1800	208-230/460	326TS	FF50E2AS	\$3,779	DS-3FFP	1.15	25.8	446	93.6	128-114/57	
	1800	575	326TS	FF50E2GS	\$3,779	DS-3FFP	1.15	25.8	446	93.0	46	38
60	3600	200/400	326TS	FF60E1XS	\$4,752	DS-3FFP	1.15	25.8	415	93.0	156/78	02
	3600	230/460	326TS	FF60E1DS	\$4,752	DS-3FFP	1.15	25.3	275	93.0	132.0/66.0	
	3000	380	326TS	FF60E1ZS	\$4,752	DS-3FFP	1.15	25.8	460	92.9	82	
	3600	575	326TS	FF60E1GS	\$4,752	DS-3FFP	1.15	25.8	446	93.0	54	38
	1800	200/400	364TS	FF60E2XS	\$5,197	DS-3FFP	1.15	26.6	580	94.1	159/80	
	1800	230/460	364TS	FF60E2ES	\$5,197	DS-3FFP	1.15	26.5	480	93.6	143/72	
	1800	575	364TS	FF60E2GS	\$5,197	DS-3FFP	1.15	26.6	580	94.1	55	38

Note 02 Suitable for Wye-Delta start on voltages shown
 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



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(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
75	3600	200/400	364TS	FF75E1XS	\$6,255	DS-3FFP	1.15	26.6	580	93.0	200/100	
	3600	230/460	364TS	FF75E1ES	\$6,255	DS-3FFP	1.15	26.6	611	94.1	171/85	
	3000	380	364TS	FF75E1ZS	\$6,255	DS-3FFP	1.15	26.5	525	93.2	102	
	3600	575	364TS	FF75E1GS	\$6,255	DS-3FFP	1.15	26.6	580	94.1	68	38
	1800	200/400	365TS	FF75E2XS	\$6,154	DS-3FFP	1.15	27.6	600	94.1	199/99	
	1800	230/460	365TS	FF75E2ES	\$6,154	DS-3FFP	1.15	28.5	500	94.1	178/89	
	1800	575	365TS	FF75E2GS	\$6,154	DS-3FFP	1.15	27.6	600	95.0	70	38
100	3600	200/400	365TS	FF100E1XS	\$7,255	DS-3FFP	1.15	28.0	600	93.0	260/130	
	3600	230/460	365TS	FF100E1ES	\$7,255	DS-3FFP	1.15	28.5	480	93.0	228/114	
	3000	380	365TS	FF100E1ZS	\$7,255	DS-3FFP	1.15	28.5	595	93.8	135	
	3600	575	365TS	FF100E1GS	\$7,255	DS-3FFP	1.15	28.0	631	94.1	89	38
	1800	200/400	404TS	FF100E2XS	\$7,333	DS-3FFP	1.15	29.5	750	94.5	261/130	47
	1800	230/460	404TS	FF100E2BS	\$7,333	DS-3FFP	1.15	29.5	885	94.5	226/113	47
	1800	575	404TS	FF100E2GS	\$7,333	DS-3FFP	1.15	29.5	750	95.0	90	38
125	3600	460	404TS	FF125E1CS	\$9,717	DS-3FFP	1.15	29.5	815	94.1	137	47
	3000	380	405TS	FF125E1ZS	\$9,717	DS-3FFP	1.15	31.0	800	94.1	166	
	3600	575	404TS	FF125E1GS	\$9,717	DS-3FFP	1.15	29.5	750	94.1	110	38
	1800	460	405TS	FF125E2CS	\$9,758	DS-3FFP	1.15	31.1	813	95.0	140	47
	1800	575	405TS	FF125E2GS	\$9,758	DS-3FFP	1.15	31.1	813	95.0	112	38
150	3600	460	405TS	FF150E1CS	\$11,990	DS-3FFP	1.15	31.0	763	93.6	165	47
	3000	380	444TS	FF150E1ZS	\$11,990	DS-3FFP	1.15	36.1	1100	94.3	206	
	3600	575	405TS	FF150E1GS	\$11,990	DS-3FFP	1.15	31.0	813	93.6	132	38
	1800	460/380	444TS	FF150E2FS	\$12,757	DS-3FFP	1.15	36.1	1100	95.0	171	47
	1800	575	444TS	FF150E2GS	\$12,757	DS-3FFP	1.15	36.1	1100	95.0	136	38
200	3600	460/380	444TS	FF200E1FS	\$15,532	DS-3FFP	1.15	36.1	1100	94.5	225	47
	3000	380	445TS	FF200E1ZS	\$15,532	DS-3FFP	1.15	36.1	1200	94.8	269	
	3600	575	444TS	FF200E1GS	\$15,532	DS-3FFP	1.15	36.1	1100	94.5	180	38
	1800	460/380	445TS	FF200E2FS	\$15,945	DS-3FFP	1.15	36.1	1200	95.0	230	47
	1800	575	445TS	FF200E2GS	\$15,945	DS-3FFP	1.15	36.1	1200	95.0	189	38
250	3600	460	445TS	FF250E1FS	\$20,473	DS-3FFP	1.15	36.1	1200	94.5	276	38
	3000	380	447TS	FF250E1ZS	\$20,473	DS-3FFP	1.15	39.5	1700	95.0	331	
	1800	460/380	445TS	FF250E2FFS	\$18,025	DS-3FFP	1.15	36.1	1200	95.4	281	47
	1800	575	445TS	FF250E2GFS	\$18,025	DS-3FFP	1.15	36.1	1200	95.4	225	47
300	3600	460/380	445TS	FF300E1FFS	\$28,306	DS-3FFP	1.15	36.1	1200	95.0	326	47
	3000	380	447TS	FF300E1ZS	\$28,306	DS-3FFP	1.15	39.5	1700	95.0	398	
350	3000	380	447TS	FF350E1ZS	\$35,861	DS-3FFP	1.15	39.5	1700	95.0	459	

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

Note 47 Q-12 leads for across-the-line, wye-delta or part winding start

