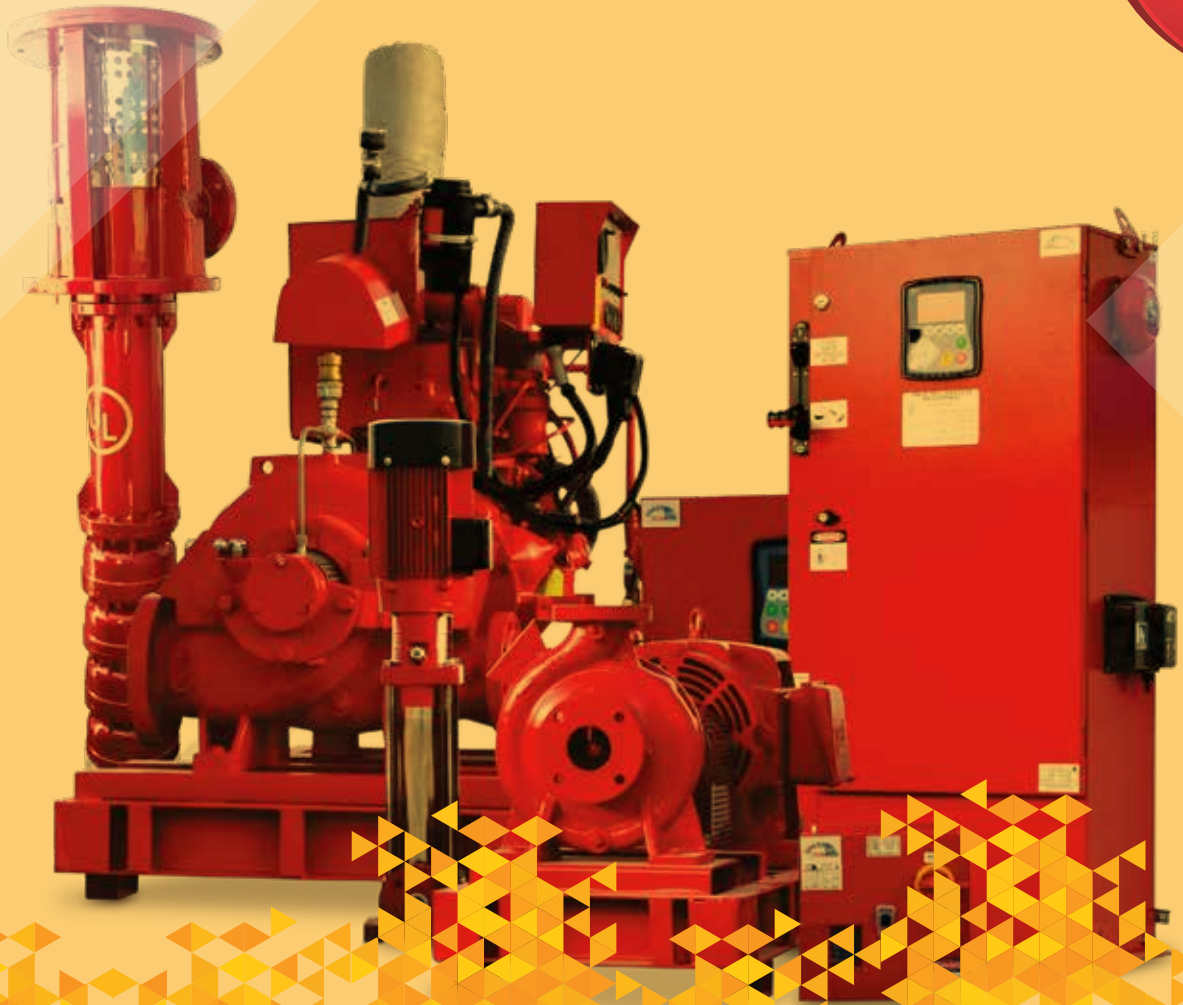


PRODUCING TRUST IN FIRE AND SAFETY



FIRE PUMP SYSTEMS



www.sffecoglobal.com



SFFECO with its more than 30 years of experience has always been a progressive organization that has remained in the forefront of the fire fighting industry with innovative, re-engineered and unique products.

○ SFFECO in its state-of-the-art manufacturing plants in RIYADH & DUBAI works in close connections with renowned governmental and certification bodies to provide key answers to the challenges faced by the society.

SFFECO brings together over 3-Decades of expertise and experience in form of Design, Consultancy, Testing, Commissioning, Maintenance & Refurbishment of fire protection and fire fighting systems.



SFFECO is proud to be working with International certification bodies. For specific product certifications, please check the respective product page or contact our sales team.



LPCB



SFFECO FIRE PUMPS FACILITY

MANUFACTURING

Each pump undergoes required inspection, tests and production control during the assembly process and records are logged for the same, before being delivered to our customers.

TESTING FACILITY

SFFECO has established a fully equipped state of the art, UL/FM, SETSCO, CE and NFPA 20 compliant Pump Testing facility with advance testing and calibration devices that enable us to accurately inspect and test the operation of each Centrifugal Stationery Fire Pump to the required level of compliance standard.

PERFORMANCE TESTS

Each pump produced, undergoes performance testings as follows

a) OPERATION TEST

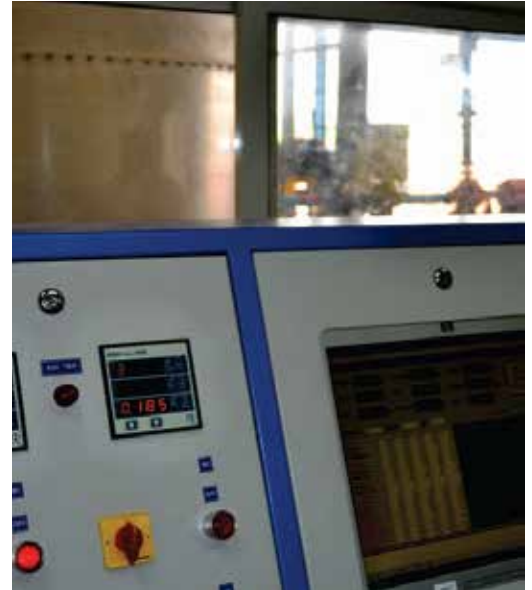
Performance curves are plotted showing the Head, Brake horse power (KW), Efficiency V/S Flow at Shutoff, rated, 150%, Max power and intermediate points.

b) HYDROSTATIC TEST

Each pump is tested hydrostatically for not less than 5 minutes. The test pressure is to be upto 2 times the maximum working pressure of the pump, but in no case less than 250 psi (1724 kPa) to ensure no rupture or leakage through the castings at the test pressure.

c) IMPELLER BALANCING

The impellers of each pump are dynamically balanced to the G6.3 balance quality grade in accordance with the requirements for pump impellers in the Standard for Mechanical Vibration – Balance Quality



CENTRIFUGAL FIRE PUMPS END SUCTION 50/60 HZ



Top Centerline Discharge

Foot Supported Casing

Back Pullout Design

Self- Venting Design

Efficiently Designed Impeller

Frame-Mounted Design

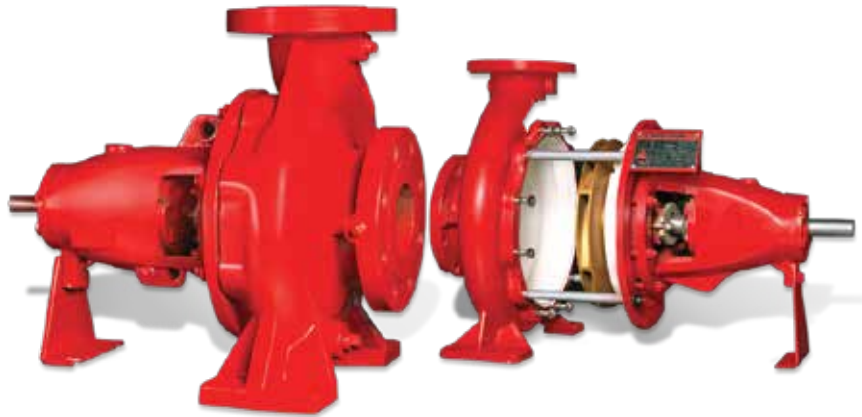
Small Footprint Ideal for Retrofit

Dynamically Balanced Impeller

Heavy Duty With Heavy Wall Thickness

100% Hydrostatic & Performance Tested

Back Pump Out Vanes



CAPACITY :
50 GPM TO 1000 GPM

PRESSURES :
65 TO 234 PSI

MAX WORKING
PRESSURE :
180 TO 315 PSI

SPEED :
2900, 3000, 3500 &
3600 RPM

Model Dsg.	Rated Capacity (GPM)	Flange Size (SucXDis) (in)	UL Listed Rated Net Pressure Range (PSI)	FM Approved Rated Net Pressure Range (PSI)	SETSCO & CE Approved Rated Net Pressure Range (PSI)	Approx Speed (RPM)	Max Working Pressure (PSI)
SFP-50-20 EM-2G	50	2 1/2 X 2	74 - 93	74 - 93	74 - 93	2900	180
SFP-50-20 EM-2G		2 1/2 X 2	79 - 99	79 - 99	79 - 99	3000	180
SFP-50-20 EM		2 x 1 1/2	68 - 87	68 - 88	68 - 87	2900	230
SFP-50-20 EH		2 x 1 1/2	101-129	102 - 129	101 - 129	3500	230
SFP-50-26 EM		2 x 1 1/2	115-140	115 - 133	115 - 140	2900	230
SFP-50-26 EH		2 x 1 1/2	163 - 206	166 - 195	163 - 206	3500	230
SFP-50-20 EHA		2 1/2 x 2	106 - 129	x	106 - 129	3500	230
SFP-50-20 EHB		3 x 2 1/2	108 - 121	x	108 - 121	3500	230
SFP-50-26 EMA		2 1/2 x 1 1/2	114 - 136	x	114 - 136	2900	230
SFP-50-42 EH		2 1/2 x 1 1/2	122 - 146	x	122 - 146	3000	230
SFP-50-40 EH	100	2 1/2 x 1 1/2	166 - 198	x	166 - 198	3500	230
SFP-100-20 EM-2G		2 1/2 X 2	72 - 92	72 - 92	72 - 92	2900	180
SFP-100-20 EM-2G		2 1/2 X 2	77 - 98	77 - 98	77 - 98	3000	180
SFP-100-20 EH		2 x 1 1/2	119	x	119	3500	230
SFP-100-26 EH		2 x 1 1/2	159 - 195	x	159 - 195	3500	230
SFP-100-50 EH		2 1/2 x 2	104 - 128	106 - 130	104 - 128	3500	230
SFP-100-26 EM		2 1/2 x 1 1/2	109 - 134	x	109 - 134	2900	230
SFP-100-42 EH		2 1/2 x 1 1/2	116 - 143	x	116 - 143	3000	230
SFP-100-40 EH		2 1/2 x 1 1/2	162 - 198	x	162 - 198	3500	230
SFP-100-20 EHB		3 x 2 1/2	108 - 124	x	108 - 124	3500	230
SFP-150-32 EM-2G	150	3 X 2	95 - 142	95 - 142	95 - 142	2900	239
SFP-150-32 EM-2G		3 X 2	102 - 153	102 - 153	102 - 153	3000	239
SFP-150-20 EM-2G		2 1/2 X 2	71 - 90	71 - 90	71 - 90	2900	180
SFP-150-20 EM-2G		2 1/2 X 2	76 - 97	76 - 97	76 - 97	3000	180
SFP-150-65 EM-2G		3 X 2 1/2	80 - 93	80 - 93	80 - 93	2900	180
SFP-150-65 EM-2G		3 X 2 1/2	86 - 99	86 - 99	86 - 99	3000	180
SFP-150-20 EH		3 X 2 1/2	108 - 128	x	108 - 128	3500	230
SFP-150-26 EM		2 1/2 x 1 1/2	124	x	124	2900	230
SFP-150-42 EH		2 1/2 x 1 1/2	107 - 135	x	107 - 135	3000	230
SFP-150-26 EH		2 1/2 x 1 1/2	156 - 191	x	156 - 191	3500	230
SFP-150-20 EHA	200	2 1/2 x 2	102 - 126	104 - 129	102 - 126	3500	230
SFP-200-32 EM-2G		3 X 2	89 - 139	89 - 139	89 - 139	2900	239
SFP-200-32 EM-2G		3 X 2	96 - 149	96 - 149	96 - 149	3000	239
SFP-200-65 EM-2G		3 X 2 1/2	79 - 91	79 - 91	79 - 91	2900	180
SFP-200-65 EM-2G		3 X 2 1/2	85 - 98	85 - 98	85 - 98	3000	180
SFP-200-20 EH		3 X 2 1/2	106 - 127	x	106 - 127	3500	230
SFP-200-20 EHA		2 1/2 x 2	96 - 120	98 - 124	96 - 120	3500	230
SFP-200-65 EM		3 X 2 1/2	115 - 136	115 - 136	115 - 136	2900	230
SFP-250-32 EM-2G		3 X 2	82 - 132	82 - 132	82 - 132	2900	239
SFP-250-32 EM-2G		3 X 2	89 - 143	89 - 143	89 - 143	3000	239
SFP-250-42 EM-2G	250	4 X 2 1/2	87 - 147	87 - 146	87 - 146	2900	239
SFP-250-42 EM-2G		4 X 2 1/2	94 - 156	94 - 156	94 - 156	3000	239
SFP-250-65 EM-2G		3 X 2 1/2	77 - 90	77 - 90	77 - 90	2900	180
SFP-250-65 EM-2G		3 X 2 1/2	83 - 97	83 - 97	83 - 97	3000	180
SFP-250-26 EM		3 x 2 1/2	113 - 134	122 - 134	113 - 134	2900	230
SFP-250-20 EH		3 x 2 1/2	103 - 124	105 - 125	103 - 124	3500	230
SFP-300-42 EM-2G	300	4 X 2 1/2	85 - 143	85 - 143	85 - 143	2900	230
SFP-300-42 EM-2G		4 X 2 1/2	91 - 154	91 - 154	91 - 154	3000	239
SFP-300-65 EM-2G		3 X 2 1/2	75 - 90	76 - 90	75 - 90	2900	180
SFP-300-65 EM-2G		3 X 2 1/2	81 - 96	81 - 96	81 - 96	3000	180
SFP-300-26 EM		3 x 2 1/2	110 - 132	108 - 130	110 - 132	2900	230
SFP-300-20 EH		3 x 2 1/2	101 - 123	102 - 123	101 - 123	3500	230

Notes:

1. All Pumps are Hydrostatically Tested to minimum of 150% of its Maximum Working Pressure and can with stand Double the Max. Working Pressure.
2. All Pumps have Clock-Wise Rotation when viewed from the Driver Side.
3. All Pumps are horizontal single stage Pumps.
4. "The rated speed marked on the pump can vary within +/-4% of the listed/ approved rated speed example : 3000 RPM pump can be driven with 2900 RPM Drivers."
5. UL LISTED & FM APPROVED PUMPS Compliant to NFPA 20 Design & Installation Requirements.

CENTRIFUGAL FIRE PUMPS END SUCTION 50/60 HZ



Top Centerline Discharge
Foot Supported Casing
Back Pullout Design
Self- Venting Design
Efficiently Designed Impeller
Frame-Mounted Design
Small Footprint Ideal for Retrofit
Dynamically Balanced Impeller
Heavy Duty With
Heavy Wall Thickness
100% Hydrostatic &
Performance Tested
Back Pump Out Vanes



CAPACITY : 50 GPM TO 1000 GPM
PRESSURES : 65 TO 234 PSI
MAX WORKING
PRESSURE : 180 TO 315 PSI
SPEED : 2900, 3000, 3500 & 3600 RPM

Model Dsg.	Rated Capacity (GPM)	Flange Size (SucXDis) (in)	UL Listed Rated Net Pressure Range (PSI)	FM Approved Rated Net Pressure Range (PSI)	SETSCO & CE Approved Rated Net Pressure Range (PSI)	Approx Speed (RPM)	Max Working Pressure (PSI)
SFP-400-31EM-2G	400	5 X 3	134 - 218	134 - 218	134 - 218	2900	315
SFP-400-31EM-2G		5 X 3	143 - 234	143 - 234	143 - 234	3000	315
SFP-400-25 EM - 2G		5 X 3	86 - 139	86 - 139	86 - 139	2900	235
SFP-400-25 EM - 2G		5 X 3	93 - 149	93 - 149	93 - 149	3000	235
SFP-400-54 EM-2G		5 X 4	137 - 215	137 - 215	137 - 215	2900	315
SFP-400-54 EM-2G		5 X 4	147 - 230	147 - 230	147 - 230	3000	315
SFP-400-42 EM - 2G		4 X 2 1/2	79 - 141	79 - 141	79 - 141	2900	239
SFP-400-42 EM - 2G		4 X 2 1/2	86 - 151	86 - 151	86 - 151	3000	239
SFP 400-26 EM		4 X 3	110 - 133	108 - 133	108 - 133	2900	230
SFP 400-26 EH		4 X 3	191	165 - 198	191	3500	240
SFP 400-32 EM	450	4 X 3	158 - 200	162 - 197	158 - 200	2900	250
SFP 400-80 EH		4 X 3	105 - 193	115 - 195	105 - 193	3500	235
SFP-450-31EM-2G		5 X 3	131 - 217	131 - 217	131 - 217	2900	315
SFP-450-31EM-2G		5 X 3	141 - 232	141 - 232	141 - 232	3000	315
SFP-450-25 EM - 2G		5 X 3	85 - 138	86 - 138	85 - 138	2900	235
SFP-450-25 EM - 2G		5 X 3	91 - 148	91 - 148	91 - 148	3000	235
SFP-450-54 EM-2G		5 X 4	136 - 214	136 - 214	136 - 214	2900	315
SFP-450-54 EM-2G		5 X 4	146 - 229	146 - 229	146 - 229	3000	315
SFP-450-42 EM - 2G		4 X 2 1/2	78 - 137	78 - 137	78 - 137	2900	239
SFP-450-42 EM - 2G		4 X 2 1/2	84 - 148	84 - 148	84 - 148	3000	239
SFP 450-26 EM	500	4 X 3	109 - 132	105 - 132	109 - 132	2900	230
SFP 450-26 EH		4 X 3	188	162 - 197	188	3500	240
SFP 450-32 EM		4 X 3	154 - 198	159 - 195	154 - 198	2900	250
SFP 450-80 EH		4 X 3	102 - 190	111 - 195	102 - 190	3500	235
SFP-500-31EM-2G		5 X 3	129 - 217	129 - 217	129 - 217	2900	315
SFP-500-31EM-2G		5 X 3	139 - 232	139 - 232	139 - 232	3000	315
SFP-500-25 EM - 2G		5 X 3	83 - 136	83 - 136	83 - 136	2900	235
SFP-500-25 EM - 2G		5 X 3	90 - 146	90 - 146	90 - 146	3000	235
SFP-500-54 EM-2G		5 X 4	136 - 214	136 - 214	136 - 214	2900	315
SFP-500-54 EM-2G		5 X 4	146 - 229	146 - 229	146 - 229	3000	315
SFP-500-42 EM - 2G	750	4 X 2 1/2	143	143	143	3000	239
SFP-500-20 EM-2G		6 X 5	68 - 84	69 - 84	68 - 84	2900	175
SFP-500-20 EM-2G		6 X 5	73 - 90	73 - 90	73 - 90	3000	175
SFP-500-20 EH-2G		6 X 5	100 - 121	100 - 121	100 - 121	3500	210
SFP-500-20 EH-2G		6 X 5	105 - 128	105 - 128	105 - 128	3600	210
SFP-500-26 EM-2G		6 X 5	118 - 136	118 - 136	118 - 136	2900	230
SFP-500-26 EM-2G		6 X 5	126 - 146	126 - 146	126 - 146	3000	230
SFP-500-26 EH-2G		6 X 5	168 - 199	168 - 199	168 - 199	3500	290
SFP-500-26 EH-2G		6 X 5	178 - 210	178 - 210	178 - 210	3600	290
SFP 500-26 EM		4 X 3	108 - 131	104 - 131	108 - 131	2900	230
SFP 500-26 EH	1000	4 X 3	185	161 - 195	185	3500	240
SFP 500-32 EM		4 X 3	149 - 194	156 - 194	149 - 194	2900	250
SFP 500-80 EH		4 X 3	99 - 188	110 - 194	99 - 188	3500	235
SFP 500-12 EM		5 X 4	111 - 133	113 - 139	111 - 133	2900	225
SFP 500-19 EM		5 X 4	122 - 210	126 - 216	122 - 210	2900	245
SFP 750-26 EM		5 X 4	102 - 127	108 - 136	102 - 127	2900	225
SFP 750-32 EM		5 X 4	122 - 207	117 - 214	122 - 207	2900	245
SFP-750-54 EM-2G		5 X 4	131 - 208	131 - 208	131 - 208	2900	315
SFP-750-54 EM-2G		5 X 4	141 - 223	141 - 223	141 - 223	3000	315
SFP-750-20 EM-2G		6 X 5	65 - 81	65 - 81	65 - 81	2900	175
SFP-750-20 EM-2G	1000	6 X 5	70 - 87	70 - 87	70 - 87	3000	175
SFP-750-20 EH-2G		6 X 5	97 - 120	97 - 120	97 - 120	3500	210
SFP-750-20 EH-2G		6 X 5	103 - 127	130 - 127	103 - 127	3600	210
SFP-750-26 EM - 2G		6 X 5	116 - 135	116 - 135	116 - 135	2900	230
SFP-750-26 EM-2G		6 X 5	125 - 145	125 - 145	125 - 145	3000	230
SFP-750-26 EH-2G		6 X 5	167 - 198	167 - 198	167 - 198	3500	290
SFP-750-26 EH-2G		6 X 5	177 - 210	177 - 210	177 - 210	3600	290
SFP-1000-54 EM-2G		5 X 4	122 - 200	122 - 200	122 - 200	2900	315
SFP-1000-54 EM-2G		5 X 4	132 - 215	132 - 215	132 - 215	3000	239
SFP-1000-20 EM-2G		6 X 5	60 - 78	60 - 78	60 - 78	2900	175
SFP-1000-20 EM-2G	1000	6 X 5	65 - 84	65 - 84	65 - 84	3000	175
SFP-1000-20 EH-2G		6 X 5	92 - 116	92 - 116	92 - 116	3500	210
SFP-1000-20 EH-2G		6 X 5	98 - 123	98 - 123	98 - 123	3600	210
SFP-1000-26 EM-2G		6 X 5	113 - 133	113 - 133	113 - 133	2900	230
SFP-1000-26 EM-2G		6 X 5	121 - 143	121 - 143	121 - 143	3000	230
SFP-1000-26 EH-2G		6 X 5	164 - 196	164 - 196	164 - 196	3500	290
SFP-1000-26 EH-2G		6 X 5	174 - 208	174 - 208	174 - 208	3600	290

Notes:

1. All Pumps are Hydrostatically Tested to minimum of 150% of its Maximum Working Pressure and can with stand Double the Max. Working Pressure.
2. All Pumps have Clock-Wise Rotation when viewed from the Driver Side.
3. All Pumps are horizontal single stage Pumps.
4. "The rated speed marked on the pump can vary within +/-4% of the listed/ approved rated speed example : 3000 RPM pump can be driven with 2900 RPM Drivers."
5. UL LISTED & FM APPROVED PUMPS Compliant to NFPA 20 Design & Installation Requirements.

CENTRIFUGAL FIRE PUMPS END SUCTION 50 HZ



Model	Rated Capacity (GPM)	Flange Size (SucXDis) (in)	Rated net pressure range (psi)	Approx Speed (RPM)
SFD-50-3EM 26	50	2 X 1 1/4	116 - 131	2900
SFD-100-2EM 100C	100	2 X 1 1/4	87 - 102	2900
SFD-100-4EM 26		2 1/2 X 1 1/2	116 - 131	2900
SFD-120-4EM 26	120	2 1/2 X 1 1/2	87 - 131	2900
SFD-150-4EM 26	150	2 1/2 X 1 1/2	87 - 131	2900
SFD-200-5EM 26	200	2 1/2 X 2	87 - 131	2900
SFD-200-5EM 32		2 1/2 X 2	145	2900
SFD-250-5EM 26	250	2 1/2 X 2	87 - 145	2900
SFD-250-5EM 32		2 1/2 X 2	145	2900
SFD-300-5EM 26	300	2 1/2 X 2	87 - 131	2900
SFD-300-5EM 32		2 1/2 X 2	145	2900
SFD-350-5EM 26	350	2 1/2 X 2	87 - 116	2900
SFD-350-6EM 26		2 1/2 X 2	131	2900
SFD-350-5EM 32		2 1/2 X 2	145	2900
SFD-400-6EM 26	400	3 X 2 1/2	87 - 131	2900
SFD-400-6EM 32		3 X 2 1/2	145	2900
SFD-500-6EM 26	500	3 X 2 1/2	87 - 116	2900
SFD-500-8EM 26		4 X 3	131	2900
SFD-500-6EM 32		3 X 2 1/2	145 - 189	2900
SFD-750-8EM 26	750	4 X 3	102 - 131	2900
SFD-750-8EM 32		4 X 3	145 - 189	2900
SFD-1000-8EM 26	1000	4 X 3	102	2900
SFD-1000-10EM 26		5 X 4	116 - 131	2900
SFD-1000-10EM 32		5 X 4	145 - 189	2900
SFD-1250-10EM 26	1250	5 X 4	102 - 116	2900
SFD-1250-10EM 32		5 X 4	131 - 174	2900
SFD-1500-12EM 26	1500	6 X 5	102 - 116	2900
SFD-1500-12EM 32		6 X 5	131 - 145	2900

Top Centerline Discharge
 Foot Supported Casing
 Back Pullout Design
 Self- Venting Design
 Efficiently Designed Impeller
 Frame-Mounted Design
 Small Footprint Ideal for Retrofit
 Dynamically Balanced Impeller
 Heavy Duty With Heavy Wall Thickness
 100% Hydrostatic & Performance Tested
 Back Pump Out Vanes

CAPACITY : 50 GPM TO 1500 GPM
 PRESSURES : 87 TO 189 PSI
 SPEED : 2900 RPM

Notes:

1. All Pumps are Hydrostatically Tested to minimum of 150% of its Maximum Working Pressure and can with stand Double the Max. Working Pressure.
2. All Pumps have Clock-Wise Rotation when viewed from the Driver Side.
3. All Pumps are horizontal single stage Pumps.
4. "The rated speed marked on the pump can vary within +/-4% of the listed/ approved rated speed example : 3000 RPM pump can be driven with 2900 RPM Drivers."
5. UL LISTED & FM APPROVED PUMPS Compliant to NFPA 20 Design & Installation Requirements.

CENTRIFUGAL FIRE PUMPS SPLIT CASE 50/60 HZ



Volute Type Thru-Bore Casing

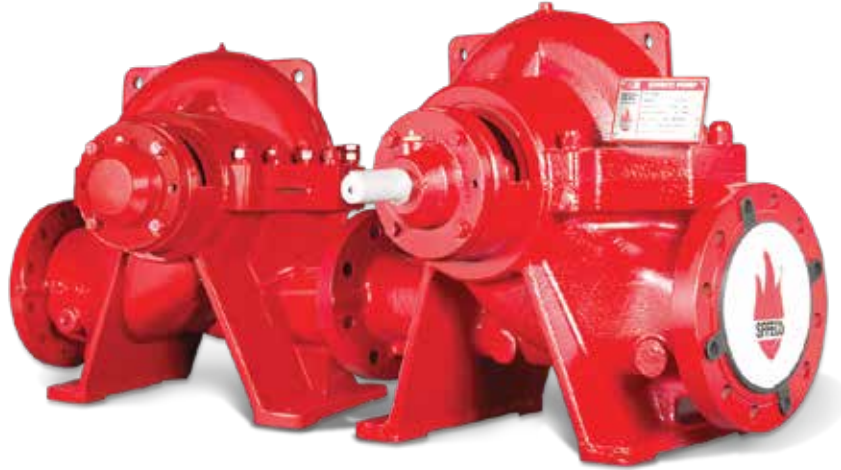
Frame-Mounted Design

Small Footprint Ideal for Retrofit

Dynamically Balanced Double Suction Impeller

Heavy Duty With Heavy Wall Thickness

100% Hydrostatic & performance Tested



Model Dsg.	Rated Capacity (GPM)	Flange Size (SUCXDIS) (in)	UL Listed Rated Net Pressure Range (PSI)	FM Approved Rated Net Pressure Range (PSI)	SETSCO & CE Approved Rated Net Pressure Range (PSI)	Approx Speed (RPM)	Max Working Pressure (PSI)
SFP 150-25SH	150	6 x 4	114 - 208	114 - 208	114 - 208	3500	300
			121 - 220	121 - 220	121 - 220	3600	
			206 - 289	206 - 289	206 - 289	2900	
SFP 150-40SM		6 x 4	221 - 310	221 - 310	221 - 310	3000	385
			226 - 316	226 - 316	226 - 316	3500	
SFP 150-SN31SH		6 x 4	239 - 334	234 - 237	239 - 334	3600	405
SFP 150-28SM	200	5 x 3	101 - 156	101 - 156	101 - 156	2900	239
			108 - 167	108 - 167	108 - 167	3000	
			125 - 224	125 - 224	125 - 224	2900	
SFP 150-35SM		5 x 3	133 - 240	133 - 240	133 - 240	3000	318
			114 - 207	114 - 207	114 - 207	3500	
			121 - 219	121 - 219	121 - 219	3600	
SFP 200-25SH	250	6 x 4	206 - 289	206 - 289	206 - 289	2900	385
			220 - 309	220 - 309	220 - 309	3000	
			226 - 317	226 - 317	226 - 317	3500	
SFP 200-40SM		6 x 4	239 - 335	234 - 237	239 - 335	3600	405
			101 - 156	101 - 156	101 - 156	2900	
SFP 200-SN31SH		5 x 3	108 - 167	108 - 167	108 - 167	3000	239
SFP 200-28SM	300	5 x 3	124 - 224	124 - 224	124 - 224	2900	318
			133 - 240	133 - 240	133 - 240	3000	
			114 - 207	114 - 207	114 - 207	3500	
SFP 250-25SH		6 x 4	121 - 219	121 - 219	121 - 219	3600	300
			206 - 288	206 - 288	206 - 288	2900	
			220 - 308	220 - 308	220 - 308	3000	
SFP 250-40SM	400	6 x 4	226 - 317	226 - 317	226 - 317	3500	385
			239 - 335	239 - 335	239 - 335	3600	
			122 - 222	101 - 156	122 - 222	2900	
SFP 250-SN31SH		5 x 3	131 - 237	108 - 167	131 - 237	3000	239
			123 - 223	123 - 223	123 - 223	2900	
SFP 250-28SM		5 x 3	132 - 239	132 - 239	132 - 239	3000	318
			122 - 222	122 - 222	122 - 222	2900	
SFP 300-35SM	450	5 x 3	131 - 237	131 - 237	131 - 237	3000	319
			114 - 206	114 - 206	114 - 206	3500	
			121 - 219	121 - 219	121 - 219	3600	
SFP 300-25SH		6 x 4	206 - 286	206 - 286	206 - 286	2900	385
			220 - 307	220 - 307	220 - 307	3000	
			226 - 316	226 - 316	226 - 316	3500	
SFP 300-40SM	500	6 x 4	239 - 334	234 - 328	239 - 334	3600	405
			100 - 156	100 - 156	100 - 156	2900	
			107 - 167	107 - 167	107 - 167	3000	
SFP 300-SN31SH		5 x 3	120 - 219	120 - 219	120 - 219	2900	239
			129 - 234	129 - 234	129 - 234	3000	
SFP 400-35SM		5 x 3	98 - 155	98 - 155	98 - 155	2900	319
			114 - 206	114 - 206	114 - 206	3500	
			121 - 219	121 - 219	121 - 219	3600	
SFP 400-25SH	600	6 x 4	206 - 286	206 - 286	206 - 286	2900	385
			220 - 307	220 - 307	220 - 307	3000	
			226 - 316	226 - 316	226 - 316	3500	
SFP 400-40SM		6 x 4	239 - 334	234 - 328	239 - 334	3600	405
			100 - 156	100 - 156	100 - 156	2900	
			107 - 167	107 - 167	107 - 167	3000	
SFP 400-SN31SH	800	5 x 3	120 - 219	120 - 219	120 - 219	2900	239
			129 - 234	129 - 234	129 - 234	3000	
			98 - 155	98 - 155	98 - 155	2900	
SFP 450-37SM-2G		6 x 4	114 - 206	113 - 206	114 - 206	3500	300
			120 - 218	120 - 218	120 - 218	3600	
			206 - 285	206 - 285	206 - 285	2900	
SFP 450-25SH	1000	6 x 4	221 - 305	221 - 305	221 - 305	3000	385
			225 - 314	225 - 314	225 - 314	3500	
			238 - 332	233 - 326	238 - 332	3600	
SFP 450-40SM		6 x 4	220 - 293	220 - 293	220 - 293	2900	410
			236 - 315	236 - 315	236 - 315	3000	
			96 - 155	96 - 155	96 - 155	2900	
SFP 450-SN31SH	1200	5 x 3	104 - 166	104 - 166	104 - 166	3000	239
			113 - 206	113 - 206	113 - 206	3500	
			120 - 218	120 - 218	120 - 218	3600	
SFP 450-28SM		6 x 4	205 - 284	205 - 284	205 - 284	2900	385
			220 - 304	220 - 304	220 - 304	3000	
			224 - 313	224 - 313	224 - 313	3500	
SFP 450-35SM	1500	5 x 3	233 - 325	233 - 325	237 - 331	3600	405

CAPACITY :

150 GPM TO 3500 GPM

PRESSURES :

88 TO 335 PSI

MAX WORKING PRESSURE :

220 TO 410 PSI

SPEED :

1480, 1500, 1760, 1800

2900, 3000, 3500 AND 3600 RPM

Notes:

1. All Pumps are Hydrostatically Tested to minimum of 150% of its Maximum Working Pressure and can with stand Double the Max. Working Pressure.
2. All Pumps have Clock-Wise Rotation when viewed from the Driver Side.
3. All Pumps are horizontal single stage Pumps.
4. "The rated speed marked on the pump can vary within +/-4% of the listed/ approved rated speed example : 3000 RPM pump can be driven with 2900 RPM Drivers."
5. UL LISTED & FM APPROVED PUMPS Compliant to NFPA 20 Design & Installation Requirements.

CENTRIFUGAL FIRE PUMPS SPLIT CASE 50/60 HZ



Volute Type Thru-Bore Casing

Frame-Mounted Design

Small Footprint Ideal for Retrofit

Dynamically Balanced Double Suction Impeller

Heavy Duty With Heavy Wall Thickness

100% Hydrostatic & performance Tested

Material of Construction Options

Impeller Options



CAPACITY :
150 GPM TO 3500 GPM

PRESSURES :
88 TO 335 PSI
MAX WORKING PRESSURE :
220 TO 410 PSI

SPEED :
1480, 1500, 1760, 1800
2900, 3000, 3500 AND 3600 RPM

Model Dsg.	Rated Capacity (GPM)	Flange Size (SucXDis) (in)	UL Listed Rated Net Pressure Range (PSI)	FM Approved Rated Net Pressure Range (PSI)	SETSCO & CE Approved Rated Net Pressure Range (PSI)	Approx Speed (RPM)	Max Working Pressure (PSI)
SFP 500-37SM-2G	500	6 x 4	216-296	216-296	216-296	2900	410
SFP 500-37SM		6 x 4	233-314	233-314	233-314	3000	
SFP 500-3ISM		5 x 3	134-233	x	134-233	2900	290
SFP 500-28SM		6 x 4	137-203	130-197	137-203	2900	220
SFP 500-25SH		5 x 3	x	139-212	x	3000	220
SFP 500-32SM		6 x 4	94-154	94-154	94-154	2900	239
SFP 500-40SM		6 x 4	102-165	102-165	102-165	3000	
SFP 500-32SM		6 x 4	113-205	113-205	113-205	3500	300
SFP 500-40SM		6 x 4	120-217	120-217	120-217	3600	
SFP 500-SN3ISH		6 x 4	119-198	119-198	119-198	2900	290
SFP 750-37SM-2G	750	6 x 4	128-212	128-212	128-212	3000	
SFP 750-3ISM		6 x 4	204-284	204-284	204-284	2900	385
SFP 750-25SH		6 x 4	219-304	219-304	219-304	3000	
SFP 750-32SM		6 x 4	224-312	224-312	224-312	3500	405
SFP 750-29SM		6 x 4	237-330	232-324	237-330	3600	
SFP 750-40SM		6 x 4	202-276	202-276	202-276	2900	410
SFP 750-SN3ISH		6 x 4	218-298	218-298	218-298	3000	
SFP 750-12SH		6 x 4	131-201	127-196	131-201	2900	220
SFP 750-12SH		6 x 4	x	136-210	x	3000	
SFP 750-EL3ISH		6 x 4	106-199	106-199	106-199	3500	300
SFP 1000-36SM-2G	1000	6 x 4	113-211	113-211	113-211	3600	
SFP 1000-3ISM		6 x 4	111-194	111-194	111-194	2900	290
SFP 1000-29SM		8 x 5	103-208	120-208	103-208	3000	
SFP 1000-40SM		8 x 5	148-182	148-182	148-182	2900	268
SFP 1000-12SH		6 x 4	159-198	159-198	159-198	3000	
SFP 1000-15SH		6 x 4	199-281	199-281	199-281	2900	385
SFP 1000-36SM		6 x 4	214-301	214-301	214-301	3000	
SFP 1000-12SH		8 x 5	218-309	218-309	218-309	3500	405
SFP 1000-15SH		8 x 5	231-327	227-321	231-327	3600	
SFP 1000-EL3ISH		6 x 4	148-266	148-266	148-266	3500	362
SFP 1250-36SM-2G	1250	8 x 5	157-281	157-281	157-281	3600	
SFP 1250-29SM-2G		8 x 5	190-290	190-290	190-290	3500	377
SFP 1250-29SM		8 x 5	201-306	190-290	201-306	3600	
SFP 1250-12SH		8 x 5	180-290	180-290	180-290	2900	405
SFP 1250-15SH		8 x 5	194-310	194-310	194-310	3000	
SFP 1250-36SM		8 x 5	134-195	124-190	134-195	2900	220
SFP 1250-29SM		8 x 5	x	133-204	x	3000	
SFP 1250-12SH		8 x 5	143-181	143-181	143-181	2900	268
SFP 1250-15SH		8 x 5	154-194	154-194	154-194	3000	
SFP 1250-EL3ISH		8 x 5	98-172	98-172	98-172	2900	275
SFP 1500-29SM-2G	1500	8 x 5	106-185	106-185	106-185	3000	
SFP 1500-3ISM		6 x 4	191-272	191-272	191-272	2900	385
SFP 1500-15SH		8 x 5	206-292	206-292	206-292	3000	
SFP 1500-36SM		8 x 5	146-264	146-264	146-264	3500	362
SFP 1500-12SH		8 x 5	155-280	155-280	155-280	3600	
SFP 1500-15SH		8 x 5	152-205	152-205	152-205	3500	300
SFP 1500-36SM		8 x 5	160-217	160-217	160-217	3600	
SFP 1500-12SH		8 x 5	163-278	163-278	163-278	2900	375
SFP 1500-15SH		8 x 5	175-298	165-280	175-298	3000	
SFP 1500-EL3ISH		6 x 4	187-289	187-289	187-289	3500	377
SFP 2000-29SM-2G	2000	8 x 5	199-306	193-298	199-306	3600	
SFP 2000-6ISL5-2G		8 x 5	171-281	171-281	171-281	2900	405
SFP 2000-6ISL6-2G		8 x 5	184-302	184-302	184-302	3000	
SFP 2000-12SH		8 x 5	95-156	95-156	95-156	2900	250
SFP 2000-15SH		8 x 5	102-167	103-167	102-167	3000	
SFP 2000-36SM		8 x 5	137-177	137-177	137-177	2900	268
SFP 2000-12SH		8 x 5	148-191	148-191	148-191	3000	
SFP 2000-15SH		8 x 5	94-170	94-170	94-170	2900	275
SFP 2000-36SM		8 x 5	101-182	96-177	101-182	3000	
SFP 2000-12SH		8 x 5	207-264	207-264	207-264	3500	362
SFP 2500-29SM-2G	2500	8 x 5	219-279	219-279	219-279	3600	
SFP 2500-6ISL5-2G		8 x 6	150-205	150-205	150-205	3500	300
SFP 2500-6ISL6-2G		8 x 6	159-217	159-217	159-217	3600	
SFP 2500-12SH		8 x 5	155-278	155-278	155-278	2900	375
SFP 2500-15SH		8 x 5	168-298	156-280	168-298	3000	
SFP 2500-36SM		6 x 4	178-287	178-287	178-287	3500	377
SFP 2500-12SH		8 x 6	190-304	184-296	190-304	3600	
SFP 2500-15SH		8 x 6	100-155	100-155	100-155	2900	250
SFP 2500-36SM		8 x 6	105-167	105-167	105-167	3000	
SFP 3000-6ISL5-2G		12 x 10	99-164	99-164	99-164	1480	260
SFP 3000-6ISL6-2G	3000	12 x 10	101-168	102-168	101-168	1500	
SFP 3000-12SH		12 x 10	142-168	143-168	142-168	1760	260
SFP 3000-15SH		8 x 5	149-176	149-176	149-176	1800	
SFP 3000-36SM		8 x 5	88-167	88-167	88-167	2900	239
SFP 3000-12SH		8 x 6	95-179	92-174	95-179	3000	
SFP 3000-15SH		8 x 6	149-207	149-206	149-207	3500	300
SFP 3000-36SM		8 x 5	158-218	158-218	158-218	3600	
SFP 3000-12SH		8 x 5	153-275	153-275	153-275	2900	375
SFP 3000-15SH		8 x 5	164-295	154-277	164-295	3000	
SFP 3000-36SM		8 x 6	145-203	145-203	145-203	3600	300
SFP 3500-29SM-2G	3500	8 x 6	154-215	154-215	154-215	3600	
SFP 3500-6ISL5-2G		8 x 6	95-152	95-152	95-152	2900	250
SFP 3500-6ISL6-2G		12 x 10	103-163	103-163	103-163	3000	
SFP 3500-12SH		12 x 10	94-162	94-162	94-162	1480	260
SFP 3500-15SH		12 x 10	97-166	97-166	97-166	1500	
SFP 3500-36SM		12 x 10	136-165	136-165	136-165	1760	260
SFP 3500-12SH		8 x 6	142-173	143-173	142-173	1800	
SFP 3500-15SH		8 x 6	89-145	89-145	89-145	2900	250
SFP 3500-36SM		12 x 10	95-156	96-156	95-156	3000	
SFP 3500-12SH		12 x 10	89-158	133-163	89-158	1480	260
SFP 3500-15SH	3500	12 x 10	92-162	139-170	92-162	1500	
SFP 3500-36SM		12 x 10	132-163	90-158	132-163	1760	260
SFP 3500-12SH		12 x 10	139-170	93-162	139-170	1800	
SFP 3500-15SH		12 x 10	104-153	105-153	104-153	1480	260
SFP 3500-36SM		12 x 10	108-157	108-157	108-157	1500	
SFP 3500-12SH		12 x 10	125-156	125-156	125-156	1760	260
SFP 3500-15SH		12 x 10	131-164	132-164	131-164	1800	
SFP 3500-36SM		12 x 10	103-144	114-144	103-144	1485	260
SFP 3500-12SH		12 x 10	106-148	118-148	106-148	1500	
SFP 3500-15SH		12 x 10	119-148	120-148	119-148	1760	260
SFP 3500-36SM		12 x 10	125-156	125-156	125-156	1800	

Notes:

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3. All Pumps are horizontal single stage Pumps.
4. "The rated speed marked on the pump can vary within +/-4% of the listed/ approved rated speed example : 3000 RPM pump can be driven with 2900 RPM Drivers."
5. UL LISTED & FM APPROVED PUMPS Compliant to NFPA 20 Design & Installation Requirements.

CENTRIFUGAL FIRE PUMPS VERTICAL TURBINE

50/60 HZ



Designed and built as per UL 448 AND NFPA20
Dynamically Balanced Impeller
Constructed in variety of metallurgies
Available in 50 Hz and 60 Hz
Drivers with gear boxes at electrical and diesel speed
Designed for easy maintenance
Open line shaft
Packaged systems available
Self-Venting Design eliminates vapor lock
Efficiently Designed Shaft
Heavy wall thickness
Sealing arrangement is packing design
Modular Construction
Space-saver design



FLOW CAPACITY
200 GPM - 2000 GPM

PRESSURE RANGE
40 - 359 PSI

MAX WORKING PRESSURE
290 PSI - 395 PSI

SPEED
1780 & 2950 RPM

Model Dsg	Rated Capacity (GPM)	UL, SETSCO & CE Listed		FM Approved		Approx Speed (RPM)
		Rated Net Pressure Range (PSI)	Number of Stages	Rated Net Pressure Range (PSI)	Number of Stages	
SFP-200-70VT	200	40 - 289	2 - 12	40 - 289	2 - 12	1480
SFP-200-70VT		48 - 348	2 - 10	64 - 348	2 - 10	1760
SFP-200-30VT		60 - 305	2 - 6			2900
SFP-200-30VT		63 - 323	2 - 6			2980
SFP-200-30VT		64 - 327	2 - 6		2 - 6	3000
SFP-750-70-VT		40 - 248	2 - 10		2 - 10	1480
SFP-250-70VT	250	40 - 290	2 - 12	40 - 289	2 - 12	1480
SFP-250-70VT		48 - 345	2 - 10	64 - 345	2 - 10	1760
SFP-250-30VT		60 - 299	2 - 6			2900
SFP-250-30VT		63 - 317	2 - 6			2980
SFP-250-30VT		64 - 321	2 - 6			3000
SFP-750-70-VT		40 - 248	2 - 10			1480
SFP-750-70-VT	300	48 - 351	2 - 10			1760
SFP-300-70VT		40 - 290	2 - 12	40 - 289	2 - 12	1480
SFP-300-70VT		47 - 341	2 - 10	64 - 341	2 - 10	1760
SFP-300-30VT		58 - 295	2 - 6			2900
SFP-300-30VT		61 - 312	2 - 6			2980
SFP-300-30VT		62 - 316	2 - 6			3000
SFP-750-70-VT	400	40 - 247	2 - 10			1480
SFP-750-70-VT		48 - 351	2 - 10			1760
SFP-400-70VT		40 - 283	2 - 12	40 - 283	2 - 12	1480
SFP-400-70VT		46 - 336	2 - 10	62 - 336	2 - 10	1760
SFP-400-30VT		54 - 285	2 - 6			2900
SFP-400-30VT		57 - 302	2 - 6			2980
SFP-400-30VT	450	58 - 306	2 - 6			3000
SFP-750-70-VT		40 - 244	2 - 10			1480
SFP-750-70-VT		46 - 349	2 - 10			1760
SFP-450-70VT		40 - 279	2 - 12	40 - 279	2 - 12	1480
SFP-450-70VT		45 - 333	2 - 10	61 - 333	2 - 10	1760
SFP-450-30VT		52 - 279	2 - 6			2900
SFP-450-30VT	500	56 - 296	2 - 6			2980
SFP-450-30VT		56 - 300	2 - 6			3000
SFP-750-70-VT		40 - 241	2 - 10			1480
SFP-750-70-VT		44 - 347	2 - 10			1760
SFP-500-70VT		40 - 276	2 - 12	40 - 276	2 - 12	1480
SFP-500-70VT		44 - 331	2 - 10	60 - 331	2 - 10	1760
SFP-500-30VT	500	49 - 273	2 - 6			2900
SFP-500-30VT		53 - 290	2 - 6			2980
SFP-500-30VT		54 - 294	2 - 6			3000
SFP-750-70-VT		40 - 236	2 - 10			1480
SFP-750-70-VT		44 - 343	2 - 10			1760

Notes:

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FLOW CAPACITY
200 GPM - 2000 GPM

PRESSURE RANGE
40 - 359 PSI

MAX WORKING PRESSURE
290 PSI - 395 PSI

SPEED
1780 & 2950 RPM

Model Dsg	Rated Capacity (GPM)	UL, SETSCO & CE Listed		FM Approved		Approx Speed (RPM)
		Rated Net Pressure Range (PSI)	Number of Stages	Rated Net Pressure Range (PSI)	Number of Stages	
SFP-750-70-VT	750	40 - 320	2 - 10	x	x	1760
SFP-1500-80-VT		42 - 254	2 - 8	x	x	1480
SFP-750-70VT		40 - 253	2 - 12	40 - 253	2 - 12	1480
SFP-750-70VT		40 - 309	2 - 10	53 - 309	2 - 10	1760
SFP-750-80VT		43 - 306	2 - 10	43 - 306	2 - 10	1480
SFP-750-80VT		62 - 359	2 - 8	58 - 359	2 - 8	1760
SFP-750-30VT		72 - 79	2	x	x	2900
SFP-750-30VT		108 - 119	3	x	x	2900
SFP-750-30VT		144 - 159	4	x	x	2900
SFP-750-30VT		180 - 198	5	x	x	2900
SFP-750-30VT		216 - 238	6	x	x	2900
SFP-750-30VT		150 - 166	4	x	x	2950
SFP-750-30VT		187 - 207	5	x	x	2950
SFP-750-30VT		225 - 249	6	x	x	2950
SFP-750-30VT		83-87	2	x	x	3000
SFP-750-30VT		117 - 130	3	x	x	3000
SFP-750-30VT		167 - 173	4	x	x	3000
SFP-1000-70VT	1000	56	3	x	x	1480
SFP-1000-70VT		73	4	x	x	1480
SFP-1000-70VT		88	5	x	x	1480
SFP-1000-70VT		112	6	x	x	1480
SFP-1000-70VT		131	7	x	x	1480
SFP-1000-70VT		145	8	x	x	1480
SFP-1000-70VT		160	9	x	x	1480
SFP-1000-70VT		187	10	x	x	1480
SFP-1000-70VT		203	11	x	x	1480
SFP-1000-70VT		218	12	224	12	1480
SFP-1000-70VT		102	6	x	x	1450
SFP-1000-70VT		117	7	x	x	1450
SFP-1000-70VT		174	10	x	x	1450
SFP-1000-70VT		189	11	213	12	1450
SFP-1000-70VT		57	2	x	x	1760
SFP-1000-70VT		80	3	x	x	1760
SFP-1000-70VT		106	4	x	x	1760
SFP-1000-70VT		133	5	x	x	1760
SFP-1000-70VT		160	6	x	x	1760
SFP-1000-70VT		189	7	x	x	1760
SFP-1000-70VT		218	8	x	x	1760
SFP-1000-70VT		247	9	x	x	1760
SFP-1000-70VT		276	10	283	10	1760
SFP-1000-70VT		58	2	x	x	1780
SFP-1000-70VT		87	3	x	x	1780
SFP-1000-70VT		116	4	x	x	1780
SFP-1000-70VT		145	5	x	x	1780
SFP-1000-70VT		175	6	x	x	1780
SFP-1000-70VT		204	7	x	x	1780
SFP-1000-70VT		233	8	x	x	1780
SFP-1000-70VT		262	9	x	x	1780
SFP-1000-70VT		291	10	291	10	1780
SFP-1000-80VT		40 - 287	2 - 10	40 - 287	2 - 10	1480
SFP-1000-80VT		59-343	2 - 8	53 - 343	2 - 8	1760
SFP-1000-90VT		57 - 328	2 - 7	40 - 328	1 - 7	1480
SFP-1000-90VT		85 - 337	2 - 5	40 - 337	1 - 5	1760
SFP-1500-80-VT	1250	40 - 244	2 - 8	x	x	1480
SFP-1500-80-VT		58 - 355	2 - 8	x	x	1760
SFP-2000-90-VT		58 - 239	2 - 5	x	x	1480
SFP-1250-80VT		40 - 273	2 - 10	40 - 269	2 - 10	1480
SFP-1250-80VT		54 - 330	2 - 8	48 - 330	2 - 8	1760
SFP-1250-90VT		55 - 317	2 - 7	40 - 317	1 - 7	1480
SFP-1250-90VT		80 - 329	2 - 5	40 - 329	1 - 5	1760
SFP-1500-80-VT		40 - 225	2 - 8	x	x	1480
SFP-1500-80-VT		54 - 341	2 - 8	x	x	1760
SFP-2000-90-VT		56 - 230	2 - 5	x	x	1480
SFP-2000-90-VT	1500	80 - 335	2 - 5	x	x	1760
SFP-1500-80VT		84 - 254	4 - 10	40 - 254	2 - 10	1480
SFP-1500-80VT		60 - 76	3	x	x	1480
SFP-1500-80VT		49 - 312	2 - 8	45 - 312	2 - 8	1760
SFP-1500-90VT		52 - 309	2 - 7	40 - 309	1 - 7	1480
SFP-1500-90VT		78 - 314	2 - 5	40 - 314	1 - 5	1760
SFP-1500-80-VT		58 - 317	2 - 8	x	x	1760
SFP-2000-90-VT		52 - 225	2 - 5	x	x	1480
SFP-2000-90-VT		78 - 325	2 - 5	x	x	1760
SFP-2000-90-VT		72 - 312	2 - 5	x	x	1760
SFP-2000-90VT	2000	71 - 82	2	x	x	1480
SFP-2000-90VT		100 - 123	3	x	x	1480
SFP-2000-90VT		133 - 165	4	x	x	1480
SFP-2000-90VT		167 - 288	5 - 7	40 - 288	1 - 7	1480
SFP-2000-90VT		96 - 118	3	x	x	1450
SFP-2000-90VT		128 - 157	4	40 - 274	1 - 7	1450
SFP-2000-90VT		72 - 302	2 - 5	40 - 302	1 - 5	1760
SFP-2000-90VT						
SFP-2000-90VT						
SFP-2000-90VT						

Notes:

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5. UL LISTED & FM APPROVED PUMPS Compliant to NFPA 20 Design & Installation Requirements.

FIRE PUMP SYSTEM COMPONENTS

DIESEL TANKS

All Sffeco Steel Above ground Tanks for flammable and combustible Liquid are assembled and tested to all requirements as follows

- * ANSI/UL-142 – Compliant.
- * Installation standard compliance to NFPA 30, NFPA 30A and NFPA 31



PRIMARY CONTAINMENT TANKS

1. Horizontal Cylindrical Construction (Capacity Upto 75000 Gallon)
2. Vertical Cylindrical Construction (Capacity Upto 60000 Gallon)
3. Rectangular Construction (Capacity Upto 550 Gallon)

SECONDARY CONTAINMENT TANKS

1. Horizontal Cylindrical Construction (Capacity Upto 75000 Gallon)
2. Vertical Cylindrical Construction (Capacity Upto 60000 Gallon)

FIRE PUMP CONTROLLERS

- ELECTRIC PUMP CONTROLLER ▪ DIESEL PUMP CONTROL
- JOCKEY PUMP CONTROLLER ▪ ALARM PANEL

All Fire Pump Controllers are factory assembled, wired, tested as a unit and comply to all requirements of the latest edition of NFPA-20 (Centrifugal Fire Pumps) and NFPA-70 (National Electrical Code). Controllers are listed

by Underwriters Laboratories, Inc., in accordance with UL218, Standard for Fire Pump Controllers, CSA, and Standard for Industrial Control Equipment (CUL) and approved by Factory Mutual (FM). All controllers are Y2K compliant.

This component plays a vital role in operation of fire pumps as it controls the entire system. It is selected as per customer choice if any, otherwise it can be either TORNATECH, OR EATON.



JOCKEY PUMP

Jockey pumps are small, motor driven pumps used in conjunction with main fire pumps to compensate for minor leaks in the fire protection system and automatically maintain stand-by pressure.

This reduces wear on the main pump and controller caused by unnecessary, frequent operation. Jockey Pump controllers are available for across the-line starting.





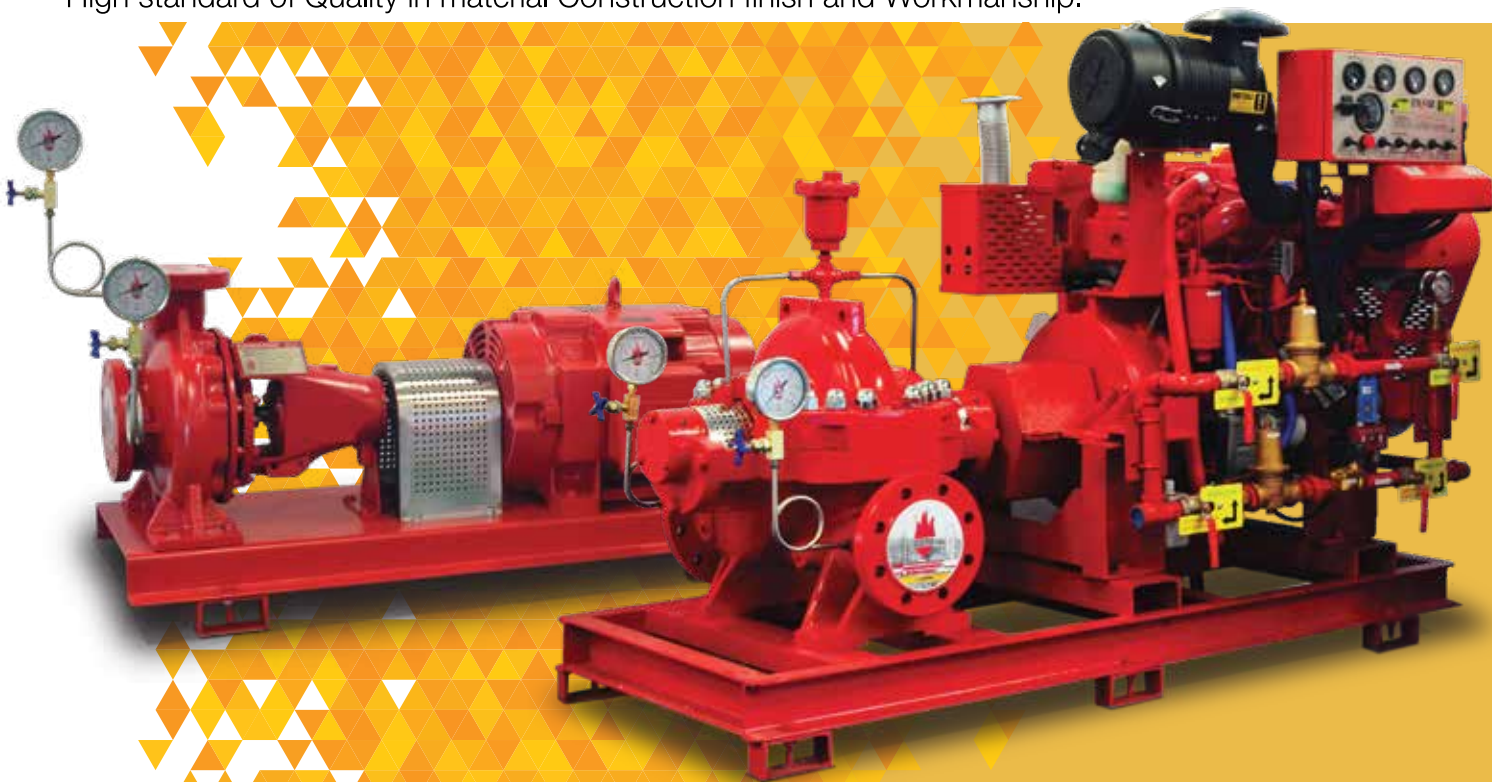
FIRE PUMP SKID

DIESEL DRIVEN & ELECTRIC MOTOR

SFFECO is an established well reputed manufacturer of Premium Custom Engine Driven Centrifugal Fire Pump Skids. We specialized in designing and developing packages in accordance to NFPA 20 requirements with Listed & Approved Drivers.

SFFECO offers listed Centrifugal Fire Pump Skids that meet every fire protection need.

- Driven by Listed & Approved Diesel Engines & Electric Motors.
- Well aligned and Coupled for Direct Operation.
- Skid Packages are Pre-Tested and Inspected thoroughly before release to customers.
- One piece base plate with Anchor Bolt holes.
- Engineered, coated, hot rolled mild steel to resist corrosion and abrasion.
- Heavy Fabricated C-Channel Structure constructed to provide proper alignment of Pump with Diesel Engine or Pump.
- Heavy Fabricated Steel base plate rigidly constructed to provide proper alignment of pump & Electric Motor.
- Compact skid Design with Small Foot-Print for Retrofit.
- High standard of Quality in material Construction finish and Workmanship.



SFFECO maintains its standard with using its proudly own listed & approved Black Stallion Diesel Engines & High efficiency and Centrifugal Fire Pumps to package Heavy Duty and High Quality Compact Skids.

Our Listed and Approved Fire Pumps can also be coupled with any other Electric Motor and Listed Diesel Engine of any specific brands as per customer's requirement.



ORDER FORM

TECHNICAL DATA



GENERAL INFORMATION

CLIENT NAME: _____

PROJECT: _____ LOCATION: _____

PURCHASE ORDER NO.: _____ WORK ORDER NO.: _____

CENTRIFUGAL PUMP DETAILS

☐ END SUCTION PUMP

☐ HORIZONTAL SPLIT CASE PUMP

FLOW: PRESSURE SPEED RPM

PUMP MODEL NO.: DUTY POINT CURVE NO.: SDC

MOTOR DRIVER DETAILS

MOTOR POWER

MOTOR DRIVEN SKID NO.:

VOLTAGE: Ph Hz RPM

STARTER CONNECTION:

☐ DIRECT ON-LINE (DOL) ☐ START DELTA (Y-Δ) ☐ OTHERS:

MOTOR PROTECTION:

☐ OPD (IP 23) ☐ TEFC (IP 55) BRAND:

ELECTRIC MOTOR CONTROLLER:

BRAND: CONTROLLER MODEL NO.:

PROTECTION: ☐ NEMA 2 ☐ OTHERS:

TYPE: ☐ GPA ☐ GPY ☐ GPL ☐ OTHERS:

OTHER SPECIFIC REQUIREMENTS:

**Remarks: The pump & Power selection made to cover the 150% of the rated capacity, where factory is ready to provide higher selection subject to AHJ request & approval.

ENGINE DRIVER DETAILS

ENGINE POWER: RPM STARTER VOLTAGE: ☐ 12 VDC ☐ 24 VDC

BRAND: ENGINE MODEL NO.:

DIESEL DRIVEN SKID NO.:

DIESEL ENGINE CONTROLLER:

BRAND: CONTROLLER MODEL NO.:

TYPE: ☐ GPD PROTECTION: ☐ NEMA 2 ☐ OTHERS:

OTHER SPECIFIC REQUIREMENTS:

****Remarks:** The pump & Power selection made to cover the 150% of the rated capacity, where factory is ready to provide higher selection subject to AHJ request & approval.

JOCKEY PUMP DETAILS

BRAND: JOCKEY MODEL NO.:

POWER: VOLTAGE: V Ph Hz

FLOW: PRESSURE SPEED RPM

JOCKEY PUMP CONTROLLER:

BRAND: CONTROLLER MODEL NO.:

TYPE: ☐ JP3 PROTECTION: ☐ NEMA 2 ☐ OTHERS:

OTHER SPECIFIC REQUIREMENTS:

****Remarks:** The Jockey Pump capacity showing in the quotation is indicative only, While factory has the right to select a different model/flow rate capacity assuring that will be between 1-10% from the flow rate capacity of the main pump.

ACCESSORIES

STANDARD ACCESSORIES:

Included in all SFFECO UL Listed Fire Pump Systems

Discharge and Suction Gauges
Air Release Valve (Split Case Pump Only)
Casing Relief Valve
Battery
Battery Cable and Clamps
Flexible Fuel Hoses
Diesel Tank and Accessories
- Ball Valve
- Fuel Level Gauge
- SFFECO Tank Breather

OPTIONAL ACCESSORIES:

☐ Flow Meter ☐ Flexible Connector
☐ Main Relief Valve ☐ Eccentric Reducer
☐ Waste Cone ☐ Concentric Reducer
☐ Check Valve ☐ Hose Valves with Cap and Chain
☐ Discharge TEE ☐ Ball Drip Valve

Isolating Valve

☐ OS&Y Gate Valve ☐ Butterfly Valve

If Flow and pressure is not known; please send the brief description of application (hazard).

Pump location, connection system (hydrant, sprinkler.. Etc), as well as the maximum height to generate and recommend the suitable pump for the application

FIRE PUMP ORDER FORM

TECHNICAL DATA FOR VERTICAL PUMPS

GENERAL INFORMATION

CUSTOMER NAME: _____

PROJECT: _____ LOCATION: _____

PURCHASE ORDER NO.: _____ WORK ORDER NO.: _____

CENTRIFUGAL PUMP DETAILS

MODEL NO.: _____ GPM

CURVE NO.: _____

FLOW: _____ GPM

PRESSURE: _____ BAR(Psi)

SPEED: _____ RPM

STAGES: _____

A = _____ MM

B = _____ MM

C = _____ MM

D = _____ MM

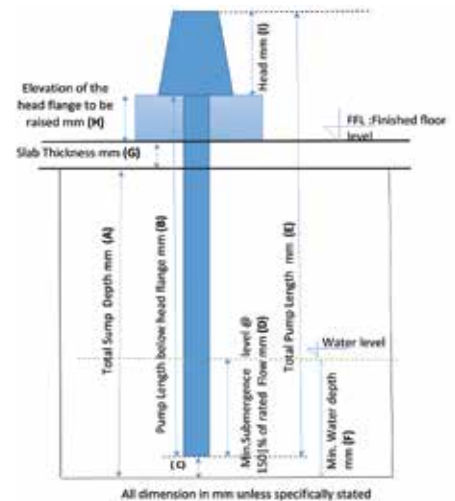
E = _____ MM

F = _____ MM

G = _____ MM

H = _____ MM

I = _____ MM



ELECTRICAL SKID DETAILS

ELECTRICAL SKID NO.: _____ TYPE: ☐ HORIZONTAL MOTOR ☐ VERTICAL MOTOR BRAND: _____

MOTOR DETAILS: POWER _____ HP SPEED _____ RPM FREQUENCY _____ HZ
VOLTAGE _____ V PHASE _____ SERVICE FACTOR _____

MOTOR PROTECTION: ☐ ODP (IP23) ☐ WP-1 ☐ TEFC(IP55) ☐ OTHERS _____

MOTOR EFFICIENCY: ☐ IE1 ☐ IE2 ☐ IE3 ☐ OTHERS _____

STARTER CONNECTION: ☐ DIRECT ON LIN (DOL) ☐ STAR-DELTA ☐ OTHERS _____

☐ GEAR DRIVE DETAIL FOR HORIZONTAL MOTOR

▪ GEAR DRIVE MAKE : _____

▪ GEAR DRIVE MODEL NO.: _____

▪ GEAR DRIVE SHAFT MODEL NO.: _____

▪ GEAR DRIVE SHAFT BX SIZE(MM): _____

▪ GEAR DRIVE NOMINAL RATIO : _____

▪ GEAR DRIVE ACTUAL RATIO : _____

▪ GEAR DRIVE INPUT SPEED (RPM): _____

▪ GEAR DRIVE OUTPUT SPEED _____

▪ GEAR DRIVE COUPLING SIZE(MMXMM) : _____

▪ GD CARDAN SHAFT MODEL NO.: _____

☐ VERTICAL MOTOR DETAIL

▪ MOTOR TYPE : _____

▪ MOTOR MAKE : _____

▪ MOTOR MODEL NO.: _____

▪ MOTOR SHAFT MODEL NO.: _____

▪ MOTOR SHAFT BX SIZE(MM) : _____

▪ MOTOR OUTPUT SPEED (RPM) : _____

▪ MOTOR COUPLING SIZE (MMXMM) : _____

▪ RATCHET TYPE : _____

▪ DIRECTION OF ROTATION(TOP VIEW) : _____

▪ INSULATION CLASS : _____

NON-REVERSE
COUNTER CLOCK WISE
F

ELECTRICAL MOTOR CONTROLLER: BRAND _____ CONTROLLER MODEL NUMBER _____

PROTECTION : ☐ _____ OTHERS ☐ _____ TYPE: ☐ GPA ☐ GPY ☐ GPL ☐ OTHERS

OTHER SPECIFIC REQUIREMENTS:

NOTE: THE PUMP AND PUMP DRIVER SELECTION IS MADE ON THE BASIS OF MAXIMUM HORSEPOWER OF THE PUMP WHERE ACCEPTED BY AHJ, SELECTION CAN BE PROVIDED AT POWER REQUIRED AT 150% OF THE RATED FLOW.

ENGINE DRIVER DETAILS

ELECTRICAL SKID NO.:

ENGINE POWER: HP RPM

STARTER VOLTAGE: ☐ 12 VDC ☐ 24 VDC BRAND: ENGINE MODEL NO.:

☐ GEAR DETAIL FOR DIESEL ENGINE :

▪ GEAR DRIVE MAKE :
▪ GEAR DRIVE SHAFT MODEL NO.:
▪ GEAR DRIVE NOMINAL RATIO.:
▪ GEAR DRIVE INPUT SPEED (RPM):
▪ GEAR DRIVE COUPLING SIZE (MMXMM) :

▪ GEAR DRIVE MODEL NO.:
▪ GEAR DRIVE SHAFT BX SIZE (MM):
▪ GEAR DRIVE ACTUAL RATIO :
▪ GEAR DRIVE OUTPU SPEED:
▪ GD CARDAN SHAFT MODEL NO. :

☐ GEAR DETAIL FOR DIESEL ENGINE :

BRAND : CONTROLLER MODEL NO.: PROTECTION:

BRAND : TYPE : ☐ GPD

OTHER SPECIFIC REQUIREMENTS:

NOTE: THE PUMP AND PUMP DRIVER SELECTION IS MADE ON THE BASIS OF MAXIMUM HORSEPOWER OF THE PUMP WHERE ACCEPTED BY AHJ, SELECTION CAN BE PROVIDED AT POWER REQUIRED AT 150% OF THE RATED FLOW.

JOCKEY PUMP DETAILS

BRAND: JOCKEY MODEL NO.:

POWER: HP VOLTAGE: V Ph Hz

FLOW: GPM PRESSURE BAR (psi) SPEED RPM

JOCKEY PUMP CONTROLLER:

BRAND: CONTROLLER MODEL NO.:

TYPE: ☐ JP3 PROTECTION: ☐ NEMA 2 ☐ OTHERS: *please specify*

OTHER SPECIFIC REQUIREMENTS:

ACCESSORIES

STANDARD ACCESSORIES:

Included in all SFFECO UL Listed Fire Pump Systems

Discharge and Suction Gauges
Air Release Valve (Split Case Pump Only)
Casing Relief Valve
Battery
Battery Cable and Clamps
Flexible Fuel Hoses
Diesel Tank and Accessories
- Ball Valve
- Fuel Level Gauge
- SFFECO Tank Breather

OPTIONAL ACCESSORIES:

☐ Flow Meter ☐ Flexible Connector
☐ Main Relief Valve ☐ Eccentric Reducer
☐ Waste Cone ☐ Concentric Reducer
☐ Check Valve ☐ Hose Valves with Cap and Chain
☐ Discharge TEE ☐ Ball Drip Valve

Isolating Valve

☐ OS&Y Gate Valve ☐ Butterfly Valve

If Flow and pressure is not known; please send the brief description of application (hazard).

Pump location, connection system (hydrant, sprinkler.. Etc), as well as the maximum height to generate and recommend the suitable pump for the application

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Marketing Department

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Sales Department

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