

PRODUCING TRUST IN FIRE AND SAFETY



# FIRE PUMP SYSTEMS



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A PRODUCT OF



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 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 tests as follows

### a) OPERATION TEST

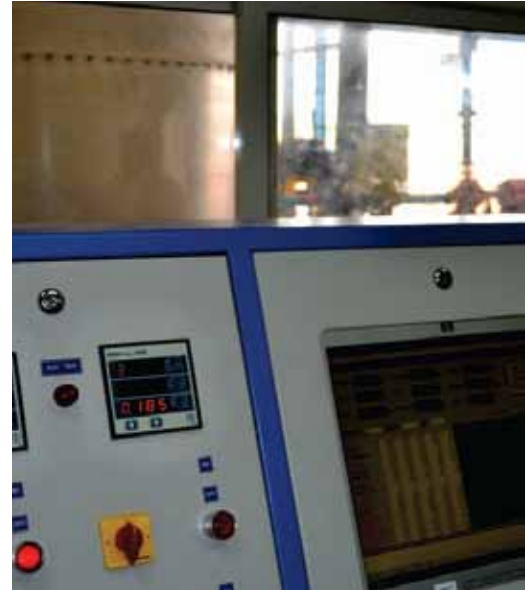
Performance curves are plotted showing the Efficiency, Brake-Horsepower (kW), and Total Head developed at shutoff, at rated capacity, at 150 percent of rated capacity, and at selected intermediate capacities between shutoff and maximum capacities exceeding 150% of rated capacity.

### 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 Shaft
- 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



Model Dsg.	Rated Capacity (GPM)	Size		UL Listed Rated Net Pressure Range (PSI)	FM Approved Rated Net Pressure Range (PSI)	Approx Speed (RPM)	Max Working Pressure (PSI)	
		Suction Flange Ø (MM)	Discharge Flange Ø (MM)					
SFP 50-20 EM	50	50	32	68-87	68-88	2900	230	
SFP 50-20 EH		50	32	101-129	102-129	3500	230	
SFP 50-26 EM		50	32	115-140	115-133	2900	230	
SFP 50-26 EH		50	32	163-206	168-195	3500	230	
SFP 100-20 EH	100	50	32	119	x	3500	230	
SFP 100-26 EH		50	32	159-195	x	3500	230	
SFP 100-50 EH		65	50	104-128	106-130	3500	230	
SFP 100-26 EM		65	40	109-134	x	2900	230	
SFP 100-42 EH		65	40	116-143	x	3000	230	
SFP 100-40 EH		65	40	162-198	x	3500	230	
SFP 150-26 EM	150	65	40	124	x	2900	230	
SFP 150-42 EH		65	40	107-135	x	3000	230	
SFP 150-26 EH		65	40	156-191	x	3500	230	
SFP 150-20 EH		65	50	102-126	104-129	3500	230	
SFP 200-20 EH	200	65	50	96-120	98-124	3500	230	
SFP 200-65 EM	250	80	65	115-136	115-136	2900	230	
SFP 250-26 EM		80	65	113-134	112-134	2900	230	
SFP 250-20 EH	300	80	65	103-124	105-125	3500	230	
SFP 300-26 EM		80	65	110-132	108-130	2900	230	
SFP 300-20 EH	400	80	65	101-123	102-123	3500	230	
SFP 400-26 EM		100	80	110-133	108-133	2900	230	
SFP 400-26 EH		100	80	191	165-198	3500	240	
SFP 400-32 EM		100	80	158-200	162-197	2900	250	
SFP 400-80 EH		100	80	105 - 193	115-195	3500	235	
SFP 450-26 EM		450	100	80	109-132	105-132	2900	230
SFP 450-26 EH	100		80	188	162-197	3500	240	
SFP 450-32 EM	100		80	154-198	159-195	2900	250	
SFP 450-80 EH	100		80	102 - 190	111-195	3500	235	
SFP 500-26 EM	500	100	80	108-131	104-131	2900	230	
SFP 500-26 EH		100	80	185	161-195	3500	240	
SFP 500-32 EM		100	80	149-194	156-194	2900	250	
SFP 500-80 EH		100	80	99 - 188	110-194	3500	235	
SFP 500-12 EM		125	100	111 - 133	113-139	2900	225	
SFP 500-13 EM		125	100	122 - 210	126-216	2900	245	
SFP 750-26 EM		750	125	100	102 - 127	108-136	2900	225
SFP 750-32 EM			125	100	122 - 207	117-214	2900	245

CAPACITY : 50 GPM TO 750 GPM  
 PRESSURES : 68 TO 216 PSI  
 MAX WORKING PRESSURE : 225 TO 250 PSI  
 SPEED : 2900,3000, AND 3500 RPM

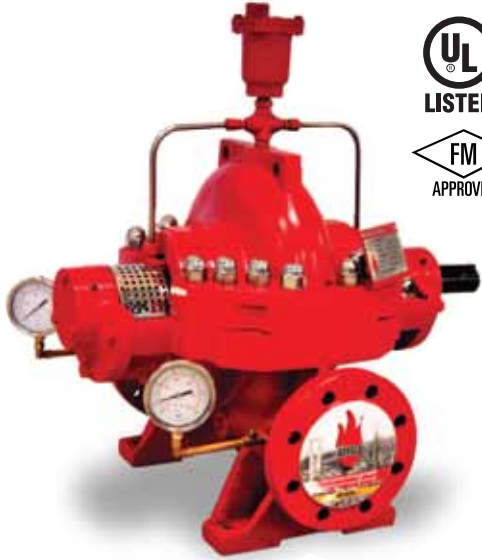
UL LISTED & FM APPROVED PUMPS  
 Compliant to NFPA 20 Design &  
 Installation Requirements.

Wide Range of Flows and Pressures  
 Available in ELECTRIC MOTOR and  
 DIESEL ENGINE Driven Configuration  
 Suitable for Commercial, Industrial and  
 Buildings Applications.

**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."

# 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

CAPACITY : 150 GPM TO 2000 GPM

PRESSURES : 88 TO 335 PSI

MAX WORKING

PRESSURE : 220 TO 405 PSI

SPEED : 2900, 3000, 3500 AND 3600 RPM

Available in ELECTRIC MOTOR and DIESEL

ENGINE Driven Configuration

Suitable for Commercial, Industrial and

Buildings applications.

UL LISTED & FM APPROVED PUMPS

Compliance to NFPA 20 Design & Installation Requirements.

Wide Range of Flows and Pressures

Model Dsg	Flow (GPM)	Approx Speed (RPM)	Head Bar - (PSI) UL Listing	Head Bar - (PSI) FM Approved	Size (in.)	Max Working Pressure (PSI)
SFP150-25SH	150 GPM	3500	114-208	114-208	6x4	300
		3600	121-220	121-220	6x4	
		2900	206-289	206-289	6x4	
		3000	221-310	221-310	6x4	
		3500	226-316	226-316	6x4	
		3600	239-334	239-327	6x4	
SFP150-40SM	150 GPM	2900	101-158	101-158	5x3	385
		3000	108-167	108-167	5x3	
		2900	125-224	125-224	5x3	
		3000	133-240	133-240	5x3	
		3500	114-207	114-207	6x4	
		3600	121-219	121-219	6x4	
SFP150-SN31SH	150 GPM	2900	206-289	206-289	6x4	300
		3000	220-309	220-309	6x4	
		3500	226-317	226-317	6x4	
		3600	239-335	239-329	6x4	
		2900	101-156	101-156	5x3	
		3000	108-167	108-167	5x3	
SFP150-28SM	150 GPM	2900	124-224	124-224	5x3	239
		3000	133-240	133-240	5x3	
		3500	114-207	114-207	6x4	
		3600	121-219	121-219	6x4	
		2900	206-288	206-288	6x4	
		3000	220-308	220-308	6x4	
SFP150-35SM	150 GPM	2900	101-156	101-156	5x3	318
		3000	108-167	108-167	5x3	
		2900	124-224	124-224	5x3	
		3000	133-240	133-240	5x3	
		3500	114-207	114-207	6x4	
		3600	121-219	121-219	6x4	
SFP200-25SH	200 GPM	2900	206-289	206-289	6x4	385
		3000	220-309	220-309	6x4	
		3500	226-317	226-317	6x4	
		3600	239-335	239-329	6x4	
		2900	101-156	101-156	5x3	
		3000	108-167	108-167	5x3	
SFP200-40SM	200 GPM	2900	124-224	124-224	5x3	405
		3000	133-240	133-240	5x3	
		3500	114-207	114-207	6x4	
		3600	121-219	121-219	6x4	
		2900	206-288	206-288	6x4	
		3000	220-308	220-308	6x4	
SFP200-SN31SH	200 GPM	2900	101-156	101-156	5x3	239
		3000	108-167	108-167	5x3	
		2900	124-224	124-224	5x3	
		3000	133-240	133-240	5x3	
		3500	114-207	114-207	6x4	
		3600	121-219	121-219	6x4	
SFP200-28SM	200 GPM	2900	101-156	101-156	5x3	318
		3000	108-167	108-167	5x3	
		2900	124-224	124-224	5x3	
		3000	133-240	133-240	5x3	
		3500	114-207	114-207	6x4	
		3600	121-219	121-219	6x4	
SFP200-35SM	200 GPM	2900	101-156	101-156	5x3	318
		3000	108-167	108-167	5x3	
		2900	124-224	124-224	5x3	
		3000	133-240	133-240	5x3	
		3500	114-207	114-207	6x4	
		3600	121-219	121-219	6x4	
SFP250-25SH	250 GPM	2900	206-288	206-288	6x4	300
		3000	220-308	220-308	6x4	
		3500	226-317	226-317	6x4	
		3600	239-335	239-329	6x4	
		2900	101-156	101-156	5x3	
		3000	108-167	108-167	5x3	
SFP250-40SM	250 GPM	2900	123-223	123-223	5x3	385
		3000	132-239	132-239	5x3	
		2900	122-222	122-222	5x3	
		3000	131-237	131-237	5x3	
		3500	114-206	114-206	6x4	
		3600	121-219	121-219	6x4	
SFP250-SN31SH	250 GPM	2900	206-286	206-286	6x4	300
		3000	220-307	220-307	6x4	
		3500	226-316	226-316	6x4	
		3600	239-334	239-328	6x4	
		2900	100-156	100-156	5x3	
		3000	107-167	107-167	5x3	
SFP250-28SM	250 GPM	2900	122-222	122-222	5x3	319
		3000	131-237	131-237	5x3	
		3500	114-206	114-206	6x4	
		3600	121-219	121-219	6x4	
		2900	206-286	206-286	6x4	
		3000	220-307	220-307	6x4	
SFP250-35SM	250 GPM	2900	100-156	100-156	5x3	405
		3000	107-167	107-167	5x3	
		2900	120-219	120-219	5x3	
		3000	129-234	129-234	5x3	
		3500	96-155	96-155	5x3	
		3600	105-168	105-168	5x3	
SFP300-35SM	300 GPM	2900	114-206	114-206	6x4	239
		3000	120-218	120-218	6x4	
		3500	113-206	113-206	6x4	
		3600	120-218	120-218	6x4	
		2900	206-285	206-285	6x4	
		3000	221-305	221-305	6x4	
SFP300-25SH	300 GPM	2900	225-314	225-314	6x4	385
		3000	238-332	238-326	6x4	
		3500	96-155	96-155	5x3	
		3600	104-166	104-166	5x3	
		2900	113-206	113-206	6x4	
		3000	120-218	120-218	6x4	
SFP300-40SM	300 GPM	2900	205-284	205-284	6x4	239
		3000	220-304	220-304	6x4	
		3500	224-313	224-313	6x4	
		3600	237-331	237-331	6x4	
		2900	134-233	134-233	5x3	
		3000	137-203	137-203	6x4	
SFP300-28SM	300 GPM	2900	94-154	94-154	5x3	290
		3000	102-165	102-165	5x3	
		3500	113-205	113-205	6x4	
		3600	120-217	120-217	6x4	
		2900	119-198	119-198	6x4	
		3000	128-212	128-212	6x4	
SFP300-SN31SH	300 GPM	2900	204-284	204-284	6x4	290
		3000	219-304	219-304	6x4	
		3500	224-312	224-312	6x4	
		3600	237-330	237-324	6x4	
		2900	137-203	130-197	5x3	
		3000	-	139-212	5x3	
SFP400-35SM	400 GPM	2900	131-201	131-201	6x4	220
		3000	139-212	139-212	6x4	
		3500	106-199	106-199	6x4	
		3600	113-211	113-211	6x4	
		2900	111-194	111-194	6x4	
		3000	120-208	120-208	6x4	
SFP400-28SM	400 GPM	2900	148-182	148-182	6x5	268
		3000	159-196	159-196	6x5	
		2900	199-281	199-281	6x4	
		3000	214-301	214-301	6x4	
		3500	218-309	218-309	6x4	
		3600	231-327	231-327	6x4	
SFP400-25SH	400 GPM	2900	148-206	148-206	6x5	362
		3000	157-281	157-281	6x5	
		3500	190-290	190-290	6x4	
		3600	201-306	201-299	6x4	
		2900	134-195	134-204	6x4	
		3000	143-181	143-181	6x5	
SFP400-40SM	400 GPM	2900	154-194	154-194	6x5	268
		3000	164-204	164-204	6x5	
		2900	98-172	98-172	6x5	
		3000	106-185	106-185	6x5	
		2900	191-272	191-272	6x4	
		3000	206-292	206-292	6x4	
SFP400-SN31SH	400 GPM	2900	146-264	146-264	6x5	385
		3000	155-280	155-280	6x5	
		3500	152-205	152-205	6x5	
		3600	160-217	160-217	6x5	
		2900	163-278	163-278	6x5	
		3000	175-298	175-285	6x5	
SFP450-25SH	450 GPM	3500	187-289	187-289	6x4	377
		3600	199-306	199-306	6x4	
		2900	137-197	137-197	6x5	
		3000	145-191	145-191	6x5	
		2900	94-170	94-170	6x5	
		3000	101-182	101-177	6x5	
SFP450-28SM	450 GPM	3500	207-264	207-264	6x5	362
		3600	219-279	219-279	6x5	
		3500	150-205	150-205	6x6	
		3600	159-217	159-217	6x6	
		2900	155-278	155-278	6x5	
		3000	168-298	168-280	6x5	
SFP450-35SM	450 GPM	2900	178-287	178-287	6x4	377
		3000	190-304	190-296	6x4	
		2900	88-167	88-167	6x5	
		3000	95-179	95-174	6x5	
		3500	149-207	149-207	6x6	
		3600	158-218	158-218	6x6	
SFP450-SN31SH	450 GPM	2900	153-275	153-275	6x5	300
		3000	164-295	164-295	6x5	
		3500	145-203	145-203	6x6	
		3600	154-215	154-215	6x6	
		2900	88-167	88-167	6x5	
		3000	95-179	95-174	6x5	
SFP500-31SM	500 GPM	3500	149-207	149-207	6x6	375
		3600	158-218	158-218	6x6	
		2900	153-275	153-275	6x5	
		3000	164-295	164-295	6x5	
		3500	145-203	145-203	6x6	
		3600	154-215	154-215	6x6	
SFP500-37SM	500 GPM	2900	134-233	134-233	6x4	300
		3000	137-203	137-203	6x4	
		2900	94-154	94-154	5x3	
		3000	102-165	102-165	5x3	
		3500	113-205	113-205	6x4	
		3600	120-217	120-217	6x4	
SFP500-32SM	500 GPM	2900	119-198	119-198	6x4	290
		3000	128-212	128-212	6x4	
		2900	204-284	204-284	6x4	
		3000	219-304	219-304	6x4	
		3500	224-312	224-312	6x4	
		3600	237-330	237-324	6x4	
SFP500-40SM	500 GPM	2900	137-203	130-197	5x3	220
		3000	-	139-212	5x3	
		2900	131-201	131-201	6x4	
		3000	139-212	139-212	6x4	
		3500	106-199	106-199	6x4	
		3600	113-211	113-211	6x4	
SFP500-SN31SH	500 GPM	2900	111-194	111-194	6x4	290
		3000	120-208	120-208	6x4	
		2900	148-182	148-182	6x5	
		3000	159-196	159-196	6x5	
		2900	199-281	199-281	6x4	
		3000	214-301	214-301	6x4	
SFP500-28SM	500 GPM	3500	218-309	218-309	6x4	405
		3600	231-327	231-327	6x4	
		2900	148-206	148-206	6x5	
		3000	157-281	157-281	6x5	
		3500	190-290	190-290	6x4	
		3600	201-306	201-299	6x4	
SFP500-25SH	500 GPM	2900	134-195	134-204	6x4	220
		3000	143-181	143-181	6x5	
		2900	154-194	154-194	6x5	
		3000				

# 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



Model No.	Rated Capacity (GPM)	Rated Net Pressure Range (PSI)	Approx Speed (RPM)
SFP-750-70-VT	200	40 - 248	1480
SFP-750-70-VT	250	40 - 248	1480
SFP-750-70-VT		48 - 351	1760
SFP-750-70-VT	300	40 - 247	1480
SFP-750-70-VT		48 - 351	1760
SFP-750-70-VT	400	40 - 244	1480
SFP-750-70-VT		46 - 349	1760
SFP-750-70-VT	450	40 - 241	1480
SFP-750-70-VT		44 - 347	1760
SFP-750-70-VT	500	40 - 236	1480
SFP-750-70-VT		44 - 343	1760
SFP-750-70-VT	750	40 - 320	1760
SFP-1500-80-VT		42 - 254	1480
SFP-1500-80-VT	1000	40 - 244	1480
SFP-1500-80-VT		58 - 355	1760
SFP-2000-90-VT		58 - 239	1480
SFP-1500-80-VT	1250	40 - 225	1480
SFP-1500-80-VT		54 - 341	1760
SFP-2000-90-VT		56 - 230	1480
SFP-2000-90-VT	1500	80 - 335	1760
SFP-1500-80-VT		58 - 317	1760
SFP-2000-90-VT		52 - 225	1480
SFP-2000-90-VT	2000	78 - 325	1760
SFP-2000-90-VT		72 - 312	1760

FLOW CAPACITY  
200 GPM - 2000 GPM

PRESSURE RANGE  
40 - 355 PSI

MAX WORKING PRESSURE  
290 PSI - 395 PSI

SPEED  
1480 & 1760 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."

# 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



NOTE : UL LISTED TANKS ARE AVAILABLE UP ON CLIENT REQUEST.

## 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 CONTROL
- DIESEL PUMP CONTROL
- JOCKEY PUMP CONTROL
- 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 fire pumps as it controls the entire system. It is selected as per customer choice if any, otherwise it can be either TORNATECH, FIRETROL, HUBBLE LEXINGTON OR JOSLYN CLARKE.



## 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



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.
- 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.
- 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 it's proudly own listed & approved Black Stallion Diesel Engines 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 Listed Diesel Engine of any specific brand as per customers requirement.



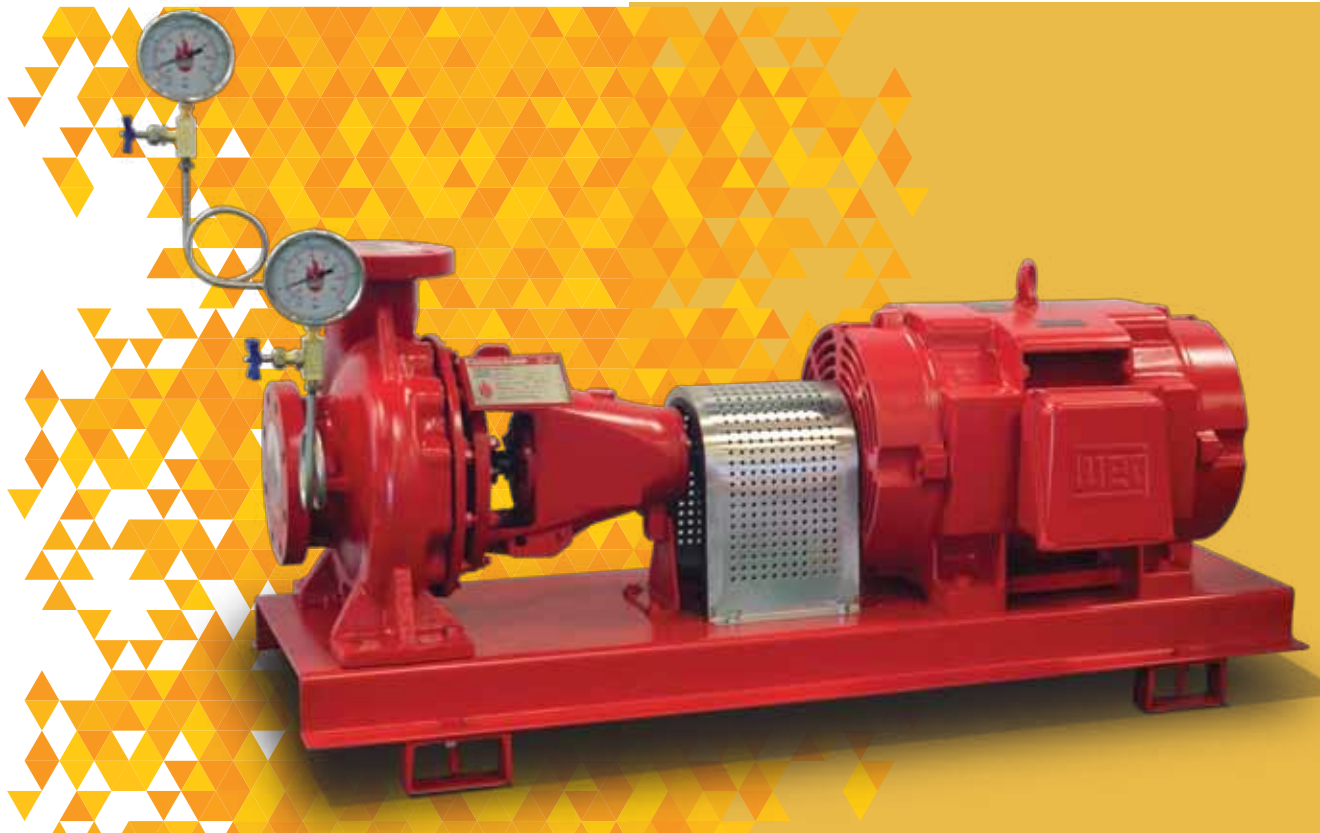


# FIRE PUMP SKID ELECTRICAL MOTOR

SFFECO is an established well reputed manufacturer of Premium Custom Motor 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 Fire Pump 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 Steel base plate rigidly constructed to provide proper alignment of pump & 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 it's proudly own listed & approved WEG High Efficiency Fire Pump Motors 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 Listed Diesel Engine of any specific brand as per customers requirement.

# FIRE PUMP 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  VERTICAL TURBINE PUMP

FLOW:  GPM PRESSURE  BAR (psi) SPEED  RPM

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

### MOTOR DRIVER DETAILS

MOTOR POWER  HP MOTOR DRIVEN SKID NO.:

VOLTAGE:  V  Ph  Hz  RPM

#### STARTER CONNECTION:

DIRECT ON-LINE (DOL)  START DELTA (Y- $\Delta$ )  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:

## ENGINE DRIVER DETAILS



ENGINE POWER:  HP  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:

## 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:

### 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
- Main Relief Valve
- Waste Cone
- Check Valve
- Discharge TEE
- Flexible Connector
- Eccentric Reducer
- Concentric Reducer
- Hose Valves with Cap and Chain
- 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

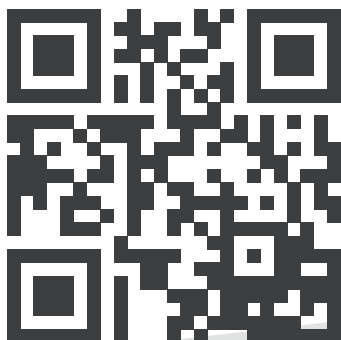


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