Fire Pumps

Before ordering a fire pump, consult FM Approvals regarding size, type of driver, suction supplies and location. Proposals for fire pump installations, including plans showing location and piping connections, should be sent to FM Global for review before the order is placed. Give the manufacturer complete data, including rated capacity, net head and suction head. Contracts for pump installations or changes should be let subsequent to acceptance of plans and subject to satisfactory field tests by FM Global.

The pump manufacturer or his authorized representative is responsible for furnishing a complete unit consisting of pump, driver and necessary accessories, all according to FM Global's standards.

Satisfactory performance in an operating test after installation should be guaranteed. A new fire pump installation is not acceptable until FM Global has witnessed a satisfactory field acceptance test. This will include a test of endurance of the pump and reliability of the power supply.

Exact horsepower requirements for each pump must be determined by a shop test on the specific pump. Approximate horsepower requirements at rated pump conditions are as follows:

Rated Capacity, gal/min (dm^3/min)	***Rated Net Head, psi (kPa)***	***Approximate Power Required, hp (kW)***
500 (1895)	100 (690)	50-60 (37-45)
750 (2840)	100 (690)	60-75 (45-56)
1000 (3785)	100 (690)	75-100 (56-75)
1500 (5680)	100 (690)	100-125 (75-93)
2000 (7570)	100 (690)	125-150 (93-112)
2500 (9465)	100 (690)	150-200 (112-149)

In the listings on the following page, rated net head represents the amount of pressure boost obtainable from a pump of a given type and impeller size when operating at rated speed.

The rated net head range indicates that impellers of various diameters are obtainable for the given type of pump.

Although not recommended for installations where suction is normally taken under lift, FM Approved pumps have been tested for proper operation under negative suction conditions up to 15 ft (5 m) at 150% of rated capacity.

Centrifugal Fire Pumps, Horizontal Split-Case Type

FM Approved horizontal split-case type centrifugal fire pumps are relatively simple to operate and repair. These pumps have a two-part casing divided in a horizontal plane through the shaft centerline. They are well suited to fire protection service where a water supply is obtainable under a positive head.

Horizontal Mounted

TD10E †

Company Name:	SPP Pumps Inc
Company Address:	2905 Pacific Drive, Norcross, Georgia 30071, USA
Company Website:	http://spppumpsusa.com
New/Updated Product Listing:	No
Listing Country:	United States of America
Rated Capacity, (gal/min) :	200
Rated Capacity, (dm^3/min):	755

Rated Net Head at Rated Capacity, psi:	98-169
Rated Net Head at Rated Capacity, kPa:	675-1165
Rated Speed, r/min:	2950
Suction Inlet, dia., in.:	5
Discharge Outlet, dia., in.:	4
Stage(s):	1
Certification Type:	FM Approved
Class of Work:	1311-Centrifugal Fire Pumps, Horz

† These designations have (FM) following the designation number.

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500 (1895)	100 (690)	50-60 (37-45)
750 (2840)	100 (690)	60-75 (45-56)
1000 (3785)	100 (690)	75-100 (56-75)
1500 (5680)	100 (690)	100-125 (75-93)
2000 (7570)	100 (690)	125-150 (93-112)
2500 (9465)	100 (690)	150-200 (112-149)

In the listings on the following page, rated net head represents the amount of pressure boost obtainable from a pump of a given type and impeller size when operating at rated speed.

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Centrifugal Fire Pumps, Horizontal Split-Case Type

FM Approved horizontal split-case type centrifugal fire pumps are relatively simple to operate and repair. These pumps have a two-part casing divided in a horizontal plane through the shaft centerline. They are well suited to fire protection service where a water supply is obtainable under a positive head.

Horizontal Mounted

TC12F

Company Name:	SPP Pumps Inc
Company Address:	2905 Pacific Drive, Norcross, Georgia 30071, USA
Company Website:	http://spppumpsusa.com
New/Updated Product Listing:	No
Listing Country:	United States of America
Rated Capacity, (gal/min) :	500
Rated Capacity, (dm^3/min):	1895

Rated Net Head at Rated Capacity, psi:	48-72
Rated Net Head at Rated Capacity, kPa:	330-495
Rated Speed, r/min:	2100
Suction Inlet, dia., in.:	6
Discharge Outlet, dia., in.:	5
Stage(s):	1
Certification Type:	FM Approved
Class of Work:	1311-Centrifugal Fire Pumps, Horz

Fire Pumps

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Rated Capacity, gal/min (dm^3/min)	***Rated Net Head, psi (kPa)***	***Approximate Power Required, hp (kW)***
500 (1895)	100 (690)	50-60 (37-45)
750 (2840)	100 (690)	60-75 (45-56)
1000 (3785)	100 (690)	75-100 (56-75)
1500 (5680)	100 (690)	100-125 (75-93)
2000 (7570)	100 (690)	125-150 (93-112)
2500 (9465)	100 (690)	150-200 (112-149)

In the listings on the following page, rated net head represents the amount of pressure boost obtainable from a pump of a given type and impeller size when operating at rated speed.

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Centrifugal Fire Pumps, Horizontal Split-Case Type

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Horizontal Mounted

TE10D †

Company Name:	SPP Pumps Inc
Company Address:	2905 Pacific Drive, Norcross, Georgia 30071, USA
Company Website:	http://spppumpsusa.com
New/Updated Product Listing:	No
Listing Country:	United States of America
Rated Capacity, (gal/min) :	500
Rated Capacity, (dm^3/min):	1895

Rated Net Head at Rated Capacity, psi:	65-122
Rated Net Head at Rated Capacity, kPa:	450-840
Rated Speed, r/min:	2100
Suction Inlet, dia., in.:	5
Discharge Outlet, dia., in.:	4
Stage(s):	1
Certification Type:	FM Approved
Class of Work:	1311-Centrifugal Fire Pumps, Horz

† These designations have (FM) following the designation number.

Fire Pumps

Before ordering a fire pump, consult FM Approvals regarding size, type of driver, suction supplies and location. Proposals for fire pump installations, including plans showing location and piping connections, should be sent to FM Global for review before the order is placed. Give the manufacturer complete data, including rated capacity, net head and suction head. Contracts for pump installations or changes should be let subsequent to acceptance of plans and subject to satisfactory field tests by FM Global.

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Exact horsepower requirements for each pump must be determined by a shop test on the specific pump. Approximate horsepower requirements at rated pump conditions are as follows:

Rated Capacity, gal/min (dm^3/min)	***Rated Net Head, psi (kPa)***	***Approximate Power Required, hp (kW)***
500 (1895)	100 (690)	50-60 (37-45)
750 (2840)	100 (690)	60-75 (45-56)
1000 (3785)	100 (690)	75-100 (56-75)
1500 (5680)	100 (690)	100-125 (75-93)
2000 (7570)	100 (690)	125-150 (93-112)
2500 (9465)	100 (690)	150-200 (112-149)

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Centrifugal Fire Pumps, Horizontal Split-Case Type

FM Approved horizontal split-case type centrifugal fire pumps are relatively simple to operate and repair. These pumps have a two-part casing divided in a horizontal plane through the shaft centerline. They are well suited to fire protection service where a water supply is obtainable under a positive head.

Horizontal Mounted

TD12F

Company Name:	SPP Pumps Inc
Company Address:	2905 Pacific Drive, Norcross, Georgia 30071, USA
Company Website:	http://spppumpsusa.com
New/Updated Product Listing:	No
Listing Country:	United States of America
Rated Capacity, (gal/min) :	750
Rated Capacity, (dm^3/min):	2840

Rated Net Head at Rated Capacity, psi:	62-103
Rated Net Head at Rated Capacity, kPa:	425-710
Rated Speed, r/min:	2350
Suction Inlet, dia., in.:	6
Discharge Outlet, dia., in.:	5
Stage(s):	1
Certification Type:	FM Approved
Class of Work:	1311-Centrifugal Fire Pumps, Horz