

## XF Range - 12" (300mm) Extra Flow Automatic Priming Pumps

The SPP Pumps AUTOPRIME XF Range of pumps are designed for extra high flow applications. These are usually watercourse diversions and water management projects. Due to the high power requirements the pumps are specified to match customer applications using a variety of engines, priming systems and chassis options including enclosures for use in noise sensitive areas and fuel tanks for extended running.



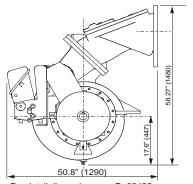
## **DESIGN FEATURES**

- Suitable for driving with a diesel engine or electric motor using a proprietary shaft coupling.
- Customers may fit the pump on a locally designed chassis to suit their market requirements.
- Pump will pass solids up to 4.4" (115mm) diameter.
- Reliable double mechanical seals allow dry running for extended periods.
- Pump will prime itself automatically when liquid is present and can be left running unattended.
- Rugged construction requires minimal operator maintenance.
- Electrical Priming (EP) system parts are supplied fitted ready for use, alternatively:
- Mechanical Priming (MP) vacuum pump and coalescer are supplied separately.

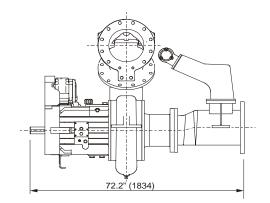
## PUMP SPECIFICATIONS

Pump Performance		XF300/387	XF300/418	XF300/418		XF300/4/5	
Maximum Flow Rate		6400 USgpm (1400 M3/h)	7700 USgpm (1600 M3/h)		8000 USgpm (1650 M3/h)		
Maximum Discharge Head		260 ft (82 m)	300 ft (95 m)		400 ft (130 m)		
<b>Maximum Power Required</b>		220 HP (164kW) at 2000rpm	290HP (216kW) at 2000rpm		460 HP (343kW) at 2000rpm		
Working Pressure		Refer to SPP Pumps	Hose Size		12 in (300mm) Dia. Max.		
Max Solids Size	4.5in (112mm) Dia.		Pump Speed			1200rpm to 2000rpm	
Pump Casing		Cast Iron	Optional Seal Type	Not Applica			
Impeller	Cast Iron		Coalescer Type			ingle or Double Pass	
Pump Shaft	Chromium Steel		Coalescer Oil Capacity			1.3 USgal (5I)	
Wear Plates	SG Iron		Mechanical Seal Oil Capacity		у	1.3 USgal (5I)	
Suction Sump	Cast Iron		Vacuum Pump Capacity		65cfm (110m3/h) Max		
Seal Faces	Sili	con Carbide/Silicon Carbide					
Seal Elastomer		Viton	Weight Complete			Refer to SPP Pumps	

Specifications may be subject to change without notice.







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