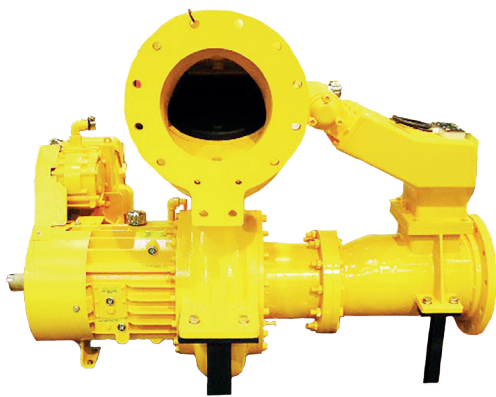


DEWATERING AUTOPRIME DATA SHEET

XF RANGE - 300 & 400MM EXTRA HIGH FLOW AUTOMATIC PRIMING PUMPS

The SPP Autoprime XF range of pumps are designed for extra high flow applications. These are usually watercourse diversions, sewer bypass, mine dewatering, flood protection 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.



STAGE
COMPATIBLE



DESIGN FEATURES

- Skid mounted with integral fuel tank.
- 12 volt battery starting by key switch is standard.
- Rugged construction requires minimal operator maintenance.
- Mechanical or electric priming system may be specified to suit application requirements.
- Fuel tanks are sized to suit customer running time requirements.
- Skid, site trailer, road trailer and acoustic canopy options.
- Electronic Emissions compliant variable speed engines.
- Remote monitoring and GPS options.
- Electronic diagnostic control panels.
- Twin sealing arrangement with mechanical seal and MAGTECTA seal.

DEWATERING AUTOPRIME DATA SHEET



PRIMING SYSTEM

Priming System Type	Smartprime /Energy management control (Suction Pressure 3.5bar max)
Alternative Priming System	(Option) Mechanical with pressure differential control (Suction Lift ONLY)
Vacuum Pump Type & Capacity	Rotary Vane Pump - 110 m ³ /h (65 cfm)
Vacuum Pump Lubricant	Oil Texaco SAE30 above 30 deg C or, Texaco Ursatex 10w-30
Air Emissions Control	Multiple pass filtration

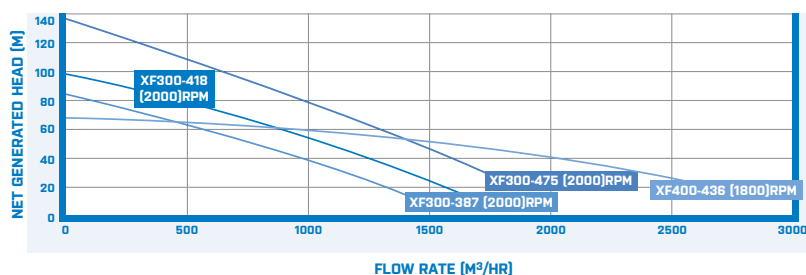
MATERIALS OF CONSTRUCTION

Suction Sump	Cast Iron BS 1452 Gr220
Pump Volute	Cast Iron BS 1452 Gr220
Impeller	Stainless Steel BS1504 316C16
Front and/or Rear Wear Plate	Cast Iron BS 2789 420/12
Pump Shaft	Stainless Steel BS970 431S29
Discharge Non Return Valve	Nitrile rubber with stainless steel insert
Double Mechanical Seal	Primary Seal Faces: SiC/SiC

CHASSIS DETAILS

Standard Chassis Type 1	Steel Frame Skid with Fuel Tank
Standard Chassis Type 2	(Option) Reduced Sound Enclosure
Standard Chassis Type 3	(Option) Trailer design to suit customer requirements
Lifting Facilities	Central Lifter for Crane Hook

EXTRA FLOW OPEN/CANOPIED RANGE CHART



PUMP SPECIFICATIONS

PUMP DESIGNATION	HOSE SIZE (mm)		MAX FLOW m ³ /hr	MAX HEAD m	MAX SOLIDS mm	MAX POWER kW EOC
	inlet	outlet				
XF300/387	300	300	1460	82	112	164
XF300/418	300	300	1760	95	112	217
XF300/475	300	300	1800	130	112	348
XF400/436	400	400	2550	68	100	325

For further details of suitable pump and engine combinations and information on the mounting and fuel tank options, contact SPP Pumps Limited.