

SOUND-ATTENUATED DIESEL-DRIVEN PACKAGES



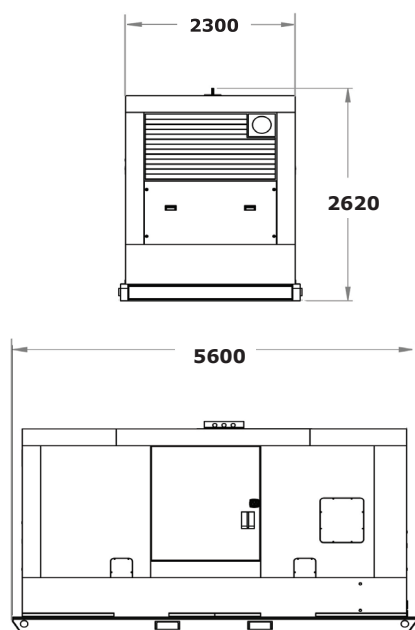
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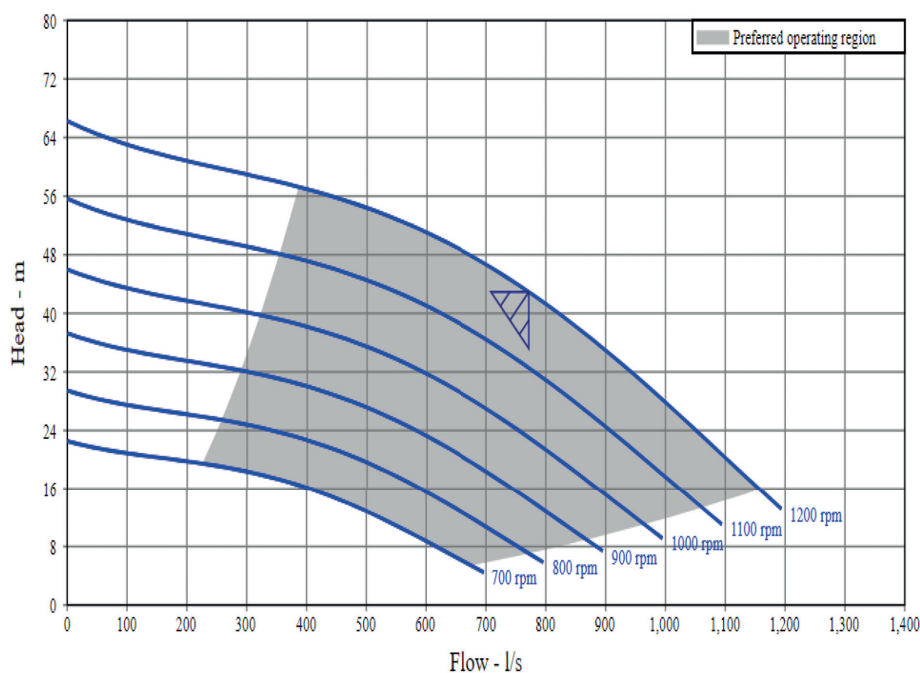
450SH

PUMP MODEL PP1818S22 PIONEER PRIME VACUUM ASSISTED DIESEL-DRIVEN PACKAGE SOUND ATTENUATED CANOPY PACKAGE

MECHANICAL DRAWING



PERFORMANCE CURVE



WEIGHT FULLY FUELED:
13000 KG

MODEL: PP1818S22
IMPELLER DIAMETER: 570 mm | **SOLIDS SIZE:** 115 mm

SOUND-ATTENUATED DIESEL-DRIVEN PACKAGES

PUMP MODEL PP1818S22

PIONEER PRIME VACUUM ASSISTED DIESEL-DRIVEN PACKAGE SOUND ATTENUATED CANOPY PACKAGE



SPECIFICATIONS

Suction Connection	450 mm
Delivery Connection	450 mm
Max Flow	4370 m ³ /h
Max Head	75 m
Solids Size	115 mm
Max Speed	1200 rpm
Rated Power BEP	400 kW
Fuel Tank Size	1800 l
Sound Rating	65 dB 7 metres
L x W x H (mm)	5600 x 2620 x 2300
Dry Weight	13000 kg

PIONEER PRIME SYSTEM

Priming System

Mechanically Driven Diaphragm Style Vacuum Pump

Air Removal Capacity

50CFM

Priming Chamber

Single chamber with positive sealing air separation

PosiValve™ with stainless steel float ball & linkage.

Discharge Check Valve

Swing Style - ductile iron with Buna-n Disc completely drywithout damage

FEATURES

- Indefinite Run-Dry Capability
- Efficient Design for Reduced Operating Costs
- Auto Stop/Start w/telemetry and remote monitoring
- Sound Attenuated, Fully Bunded Packages
- Spark Arresting Mufflers
- Chalwyn Valve
- Environmentally Safe Priming System with Patented PosiValve™ – No Blow By

ENGINE SPECIFICATIONS

Engine Type	Volvo/CAT
Displacement	16 litres
Max Continuous Horsepower	550 kW
Safety Shutdown Switches	Low Oil Pressure, High Temperature, and V-Belt Failure

APPLICATIONS

Raw Water Pumps	Cooling Pumps	Sewage Bypass	Mine Dewatering
Dirty Water	Flood Pumps	Flushing	Silt Returns

OTHER SPECIFICATIONS

Mechanical Seal	Single seal w/ tungsten carbide vs. silicon carbide seal faces, Viton® elastomers, 300 series stainless steel hardware and spring, designed for indefinite dry running
Pump End Bearing	Enclosed Type Impeller – CA6NM Stainless Steel
Drive End Bearing	Double Row Angular Contact
Shaft	17-4 PH Stainless Steel
SAE	SAE engine-mount bracket options available

CONSTRUCTION MATERIALS

STANDARD

OPTION

Impeller	CA6NM-316 SS	CD4MCu
Volute	Ductile Iron ASTM A536 65-45-12	CD4MCu
Wear Ring	CD4MCu-316 SS	CD4MCu-316 SS
Suction Cover	Ductile Iron ASTM A536 65-45-12	CD4MCu
Bracket	Ductile Iron ASTM A536 65-45-12	CD4MCu
Backplate	Ductile Iron ASTM A536 65-45-12	CD4MCu

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HEAVY DUTY PUMPS

ISO 14001, OHSAS 18001 og Sellihca Qualified