

SOUND-ATTENUATED DIESEL-DRIVEN PACKAGES

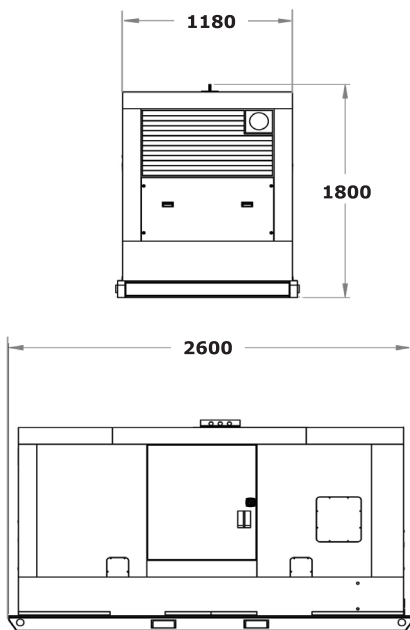


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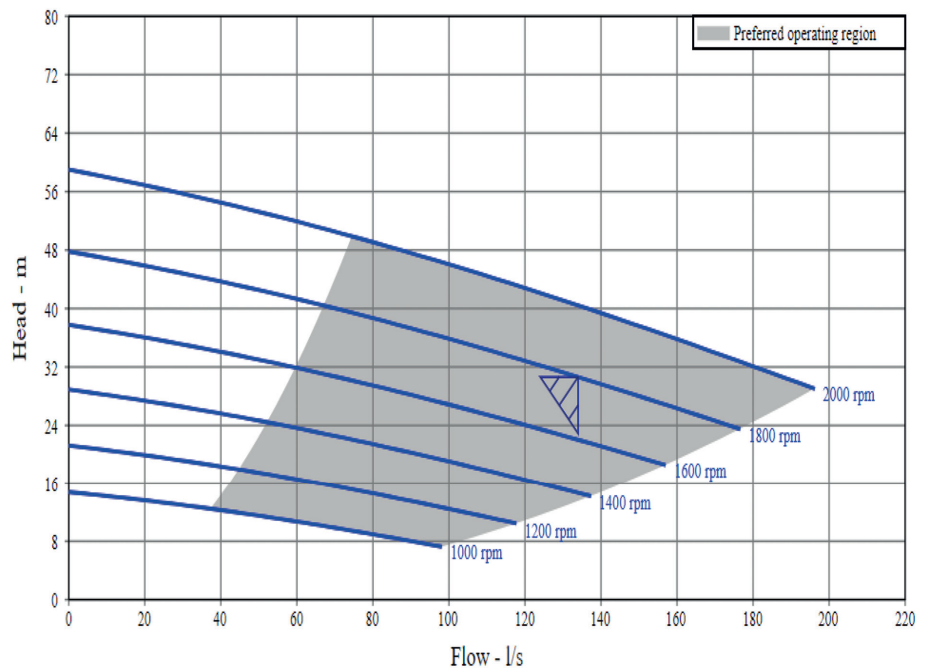
# 150SM

## PUMP MODEL PP66S12 PIONEER PRIME VACUUM ASSISTED DIESEL-DRIVEN PACKAGE SOUND ATTENUATED CANOPY PACKAGE

### MECHANICAL DRAWING



### PERFORMANCE CURVE



**WEIGHT FULLY FUELED:**  
2500 KG

**MODEL:** PP66S12  
**IMPELLER DIAMETER:** 280 mm | **SOLIDS SIZE:** 76 mm

## SOUND-ATTENUATED DIESEL-DRIVEN PACKAGES

# PUMP MODEL PP66C12

## PIONEER PRIME VACUUM ASSISTED DIESEL-DRIVEN PACKAGE

### SOUND ATTENUATED CANOPY PACKAGE



#### SPECIFICATIONS

Suction Connection	150 mm
Delivery Connection	150 mm
Max Flow	800 m <sup>3</sup> /h
Max Head	55 m
Solids Size	76 mm
Max Speed	2000 rpm
Rated Power BEP	55 kW
Fuel Tank Size	430 l
Sound Raiting	64 dB 7 metres
L x W x H (mm)	2600 x 1180 x 1800

#### 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	JCB
Displacement	4,4 litres
Max Continuous Horsepower	63 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, ISO 45001 og Sellihca Qualified