



SAPP66V12/QSF2.8T/COMAP/SK Pump Model PP66V12

Pioneer Prime UltraPrime™ Vacuum Assisted
Vortex Flow Solids Handling Medium Head Pumpset

Specifications

Pump Size:	150 mm
Max Flow:	480 m ³ /h (133 LPS)
Max Head:	40 metres
Solids Size:	125 mm
Operating Speed Range:	1400- 2000 rpm
Rated Power @ BEP:	46 kW
Fuel Tank Size:	380 litres
Fuel Consumption @ BEP:	10.4 l/h
Max Running Hours at BEP:	36 h
L x W x H (mm):	2700 x 1175 x 2020
Dry Weight:	1835 kg

Engine Specifications

Engine Type:	Cummins QSF2.8T
Displacement:	2.8 litres
Avg Sound Rating:	70 dBA at 7 m
Safety Shutdown Switches:	Low Oil Pressure, High Temperature and V-Belt Failure

UltraPrime™ Priming System

Priming System:	Mechanically Driven Diaphragm Style Vacuum Pump
Air Removal Capability:	50 CFM
Priming Chamber:	Positive sealing air separation PosiValve™ with stainless steel float ball & linkage
Discharge Check:	Valve Swing Style – Cast Iron with Buna-n Disc

Features

- 150mm connections
- Vortex Impeller
- 50 cfm vacuum pump
- Autostart-stop control panel
- Central lifting bale
- Direct SAE mounting with no gearbox
- Fully bunded skid
- Heavy duty Cast Iron (GG25) construction
- Ductile Iron (GS500) impeller
- Integrated fuel tank base
- Large solids handling capability
- Run dry double tandem mechanical seals in oil bath
- AISI 420 Stainless steel shaft oversized (heavy duty)

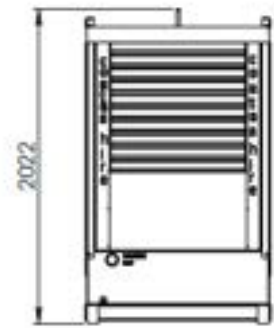
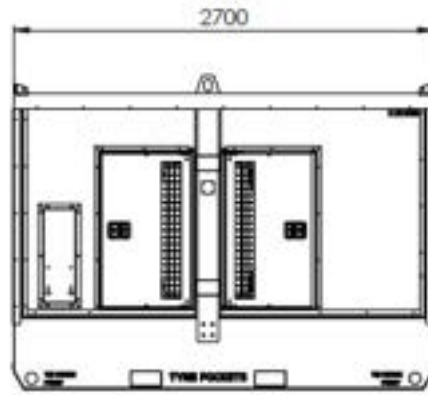
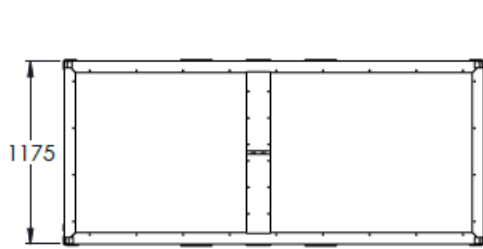
Options

- Fast tow trailer
- Site trailer
- Skid

Applications

- Transfer of slurry and sludge
- Sewage
- Industrial processes
- Food processing
- Storm water
- Paper industries
- Polymer
- Viscous liquids





Materials of Construction

Casing:	Cast Iron GG25
Impeller:	Ductile Iron GS500
Shaft:	ASTM 17-4 PH Stainless Steel
Ball Non Return Valve:	Buna-N with Steel Reinforcing
Seal Plate:	Cast Iron G25
Bearing Housing:	ASTM A48 Cast Iron
Bearings:	Open Single Row Ball
Gaskets:	Nitrite Rubber
O-Rings:	Buna-N
Hardware:	Standard Grade 5 Plated Steel
Mechanical Seal:	Double, Oil-Lubricated, Silicon Carbide Rotating vs. Silicon Carbide Faces, Fluorocarbon Elastomers, 316 Stainless Steel Sleeve, Spring and Hardware

