

# ONIS VISA Zeus Dry Prime

**Model: MTZ.P100.SS**

## MODEL: Dewatering



ALL PICTURES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY

## MAIN DATA

Max. flow	<b>900 m<sup>3</sup>/hour</b>
Max. Max head	<b>44 mwc</b>
Solids handling	<b>76 mm</b>
Suction connection	<b>ANSI 8"</b>
Delivery connection	<b>ANSI 8"</b>
Fuel tank	<b>500 l.</b>

## DIMENSIONS AND WEIGHT

Width	1425 mm
Length	2925 mm
Height	2240 mm
Weight	2400 Kg (approx)

The **Zeus Dry Prime** range delivers fast dewatering solutions to sites where a power source is not available. Using a Pioneer pump featuring a 100% mechanical priming system, the Zeus Dry Prime motorpumps quickly prime and reprime, even from dry conditions.

## PUMP



**Brand** Pioneer

**Model** PP88S12L7 E0 311

**Pump casing:** 65-42-12 ductile iron with 280 BHN hardness

**Enclosed impeller:** CA6NM Self-hardening Stainless Steel with 13% chromium with 360BHN hardness

**Pump shaft:** 1144 Stress Proof Steel Chromed

**Bearings:** Dual angular contact drive end bearings

**Priming system:** Mechanically Driven Diaphragm Style vacuum pump

**Air removal capab.:** 85 m<sup>3</sup>/h (50 cfm)

**Float box:** Single chamber with positive sealing air separation. Stainless steel float ball and linkage

**Discharge Check Valve:** Swing Style – ductile iron with Buna-n Disc

## ENGINE



**Brand** PERKINS

**Model** 1104C-44T

**Gross Power** 74 kW @ 2200 rev/min

**Displacement** 4,4 l.

**N° cylinders** 4

**Cooling system** Water cooled

**Exhaust emission** Stage II

## CONTROL PANEL

Controller model

NT5 by Nettuno



Auto start/stop system

Switch manual – 0 – Automatic

Tachometer

Hour counter

Warning lights "oil and engine temperature"

Warning light "auto stand-by"

GPRS – VISA Web supervisor & APP

Geolocation and Geo-fencing

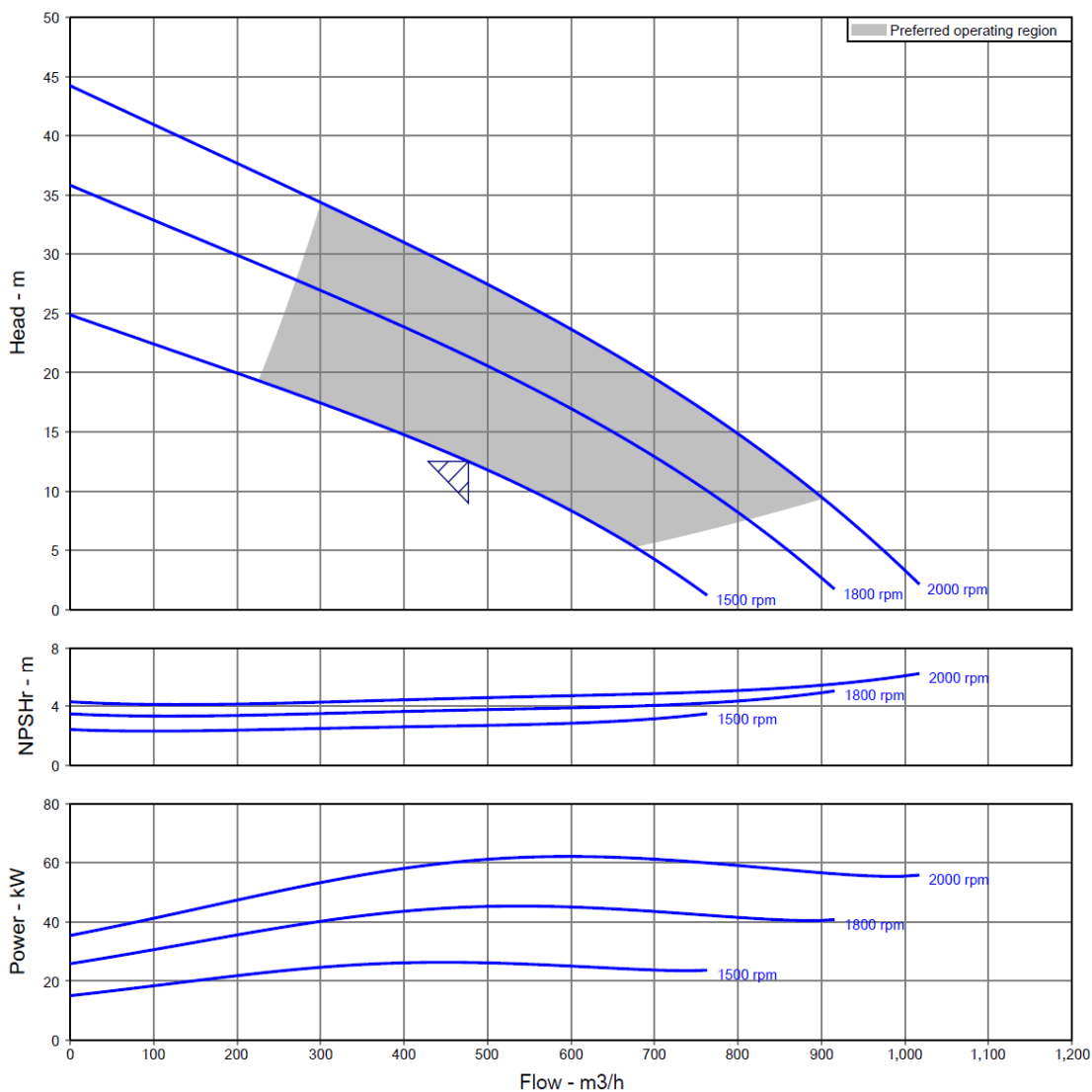
Soot / Ash filter control

Two float switches (min/max level) support for automatic operation

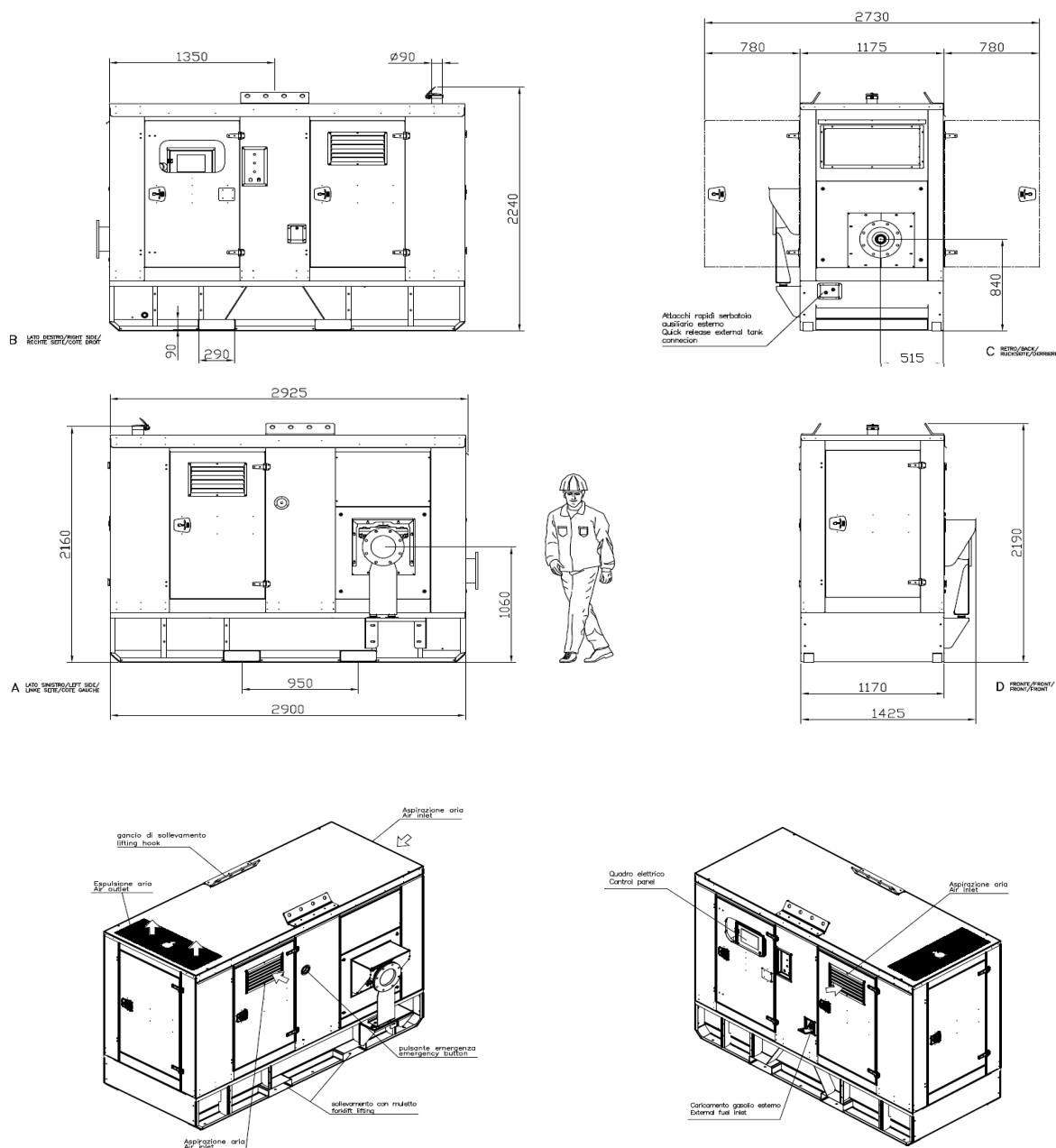
The data contained in this document is nominal and refers to the standard equipped model and is not binding. Visa S.p.A. reserves the right to revise the information without notice.

**ONIS VISA Zeus Dry Prime****Model: MTZ.P100.SS****MULTI-SPEED PERFORMANCE CURVE**

**World-class performance:** Using high efficiency pumps and top performance diesel engines, the Zeus Dry Prime units offer high performance and efficiency to ensure predictable and timely job completion with minimal operating expenses



Description	: PP88S12	Speed, rated	: 1500 rpm
Stages	: 1	Based on curve number	: 88S12
Differential head / pressure, rated	: 12.50 m	Efficiency	: 61.68 %
Fluid density, rated / max	: 0.998 / 0.998 kg/dm³	Viscosity	: 1.00 cSt
Power, rated	: 26.29 kW	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00
NPSH required	: 2.67 m	Impeller diameter, rated	: 279 mm
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**PRELIMINARY DIMENSIONS**


**Nettuno motorpumps designed & built by VISA SPA • Complete in-house design & production**

- Over 45 years of experience in the motorpumps sector
- In-house extensive testing facility
- Modern & functional design
- Durable materials
- Customizations available

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