

# ONIS VISA Zeus Dry Prime

## Model: MTZ.DS105.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	2900 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

**CERTIFIED  
STAGE V**



Brand	HYUNDAI (DOOSAN)
Model	D34
Gross Power	78 kW @ 2600 rev/min
Displacement	3,4 l.
N° cylinders	4
Cooling system	Water cooled
Exhaust emission	Stage V

### CONTROL PANEL

Controller model NT5 by Nettuno

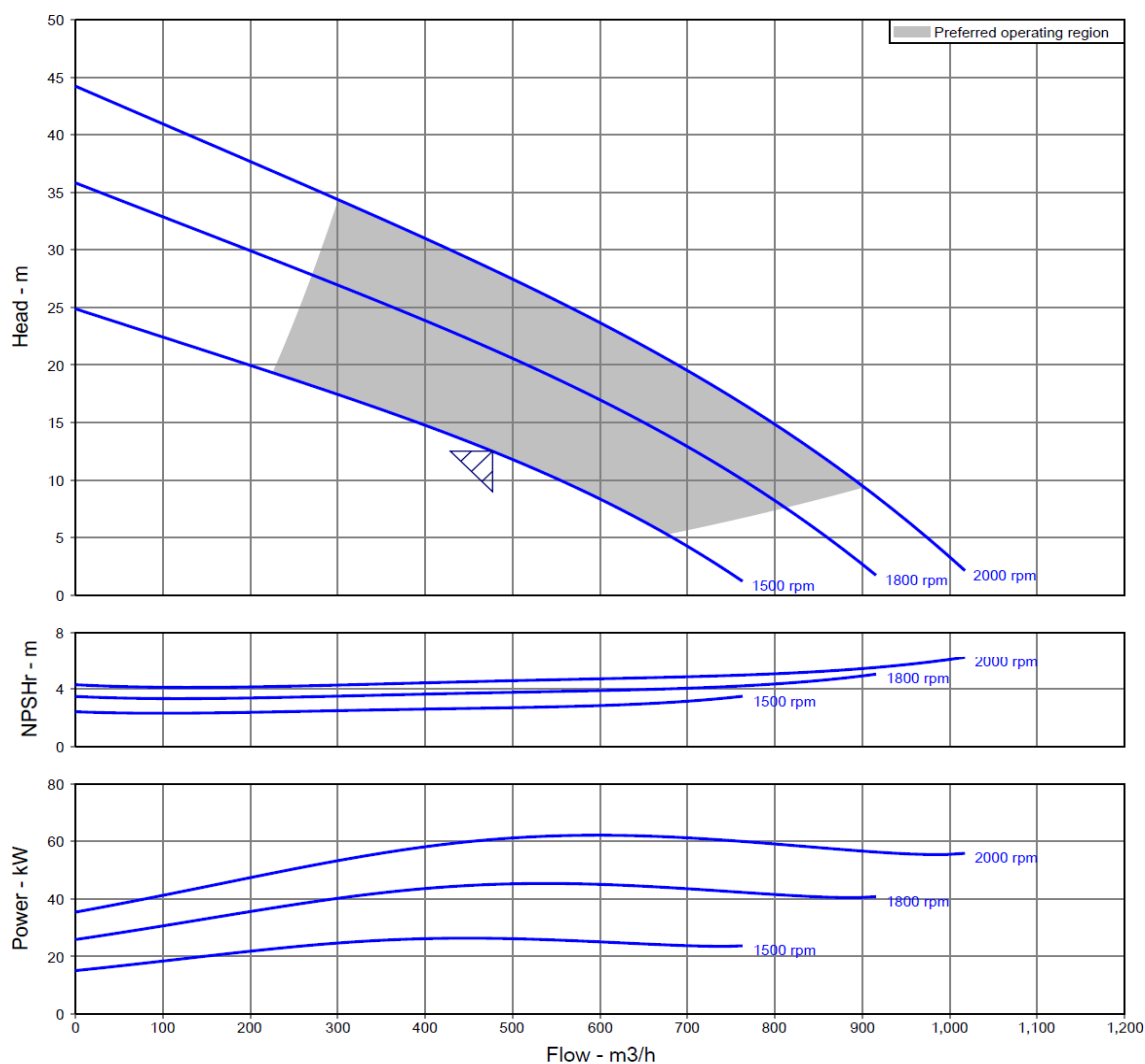


Auto start/stop system
Switch manual – 0 – Automatic
Tachometer
Hour counter
Warning lights "oil and engine temperature"
Warning light "auto stand-by"
GPRS – VISA Web supervisor & APP
Geolocation and Geo-fencing
Soot / Ash filter control
Two float switches (min/max level) support for automatic operation

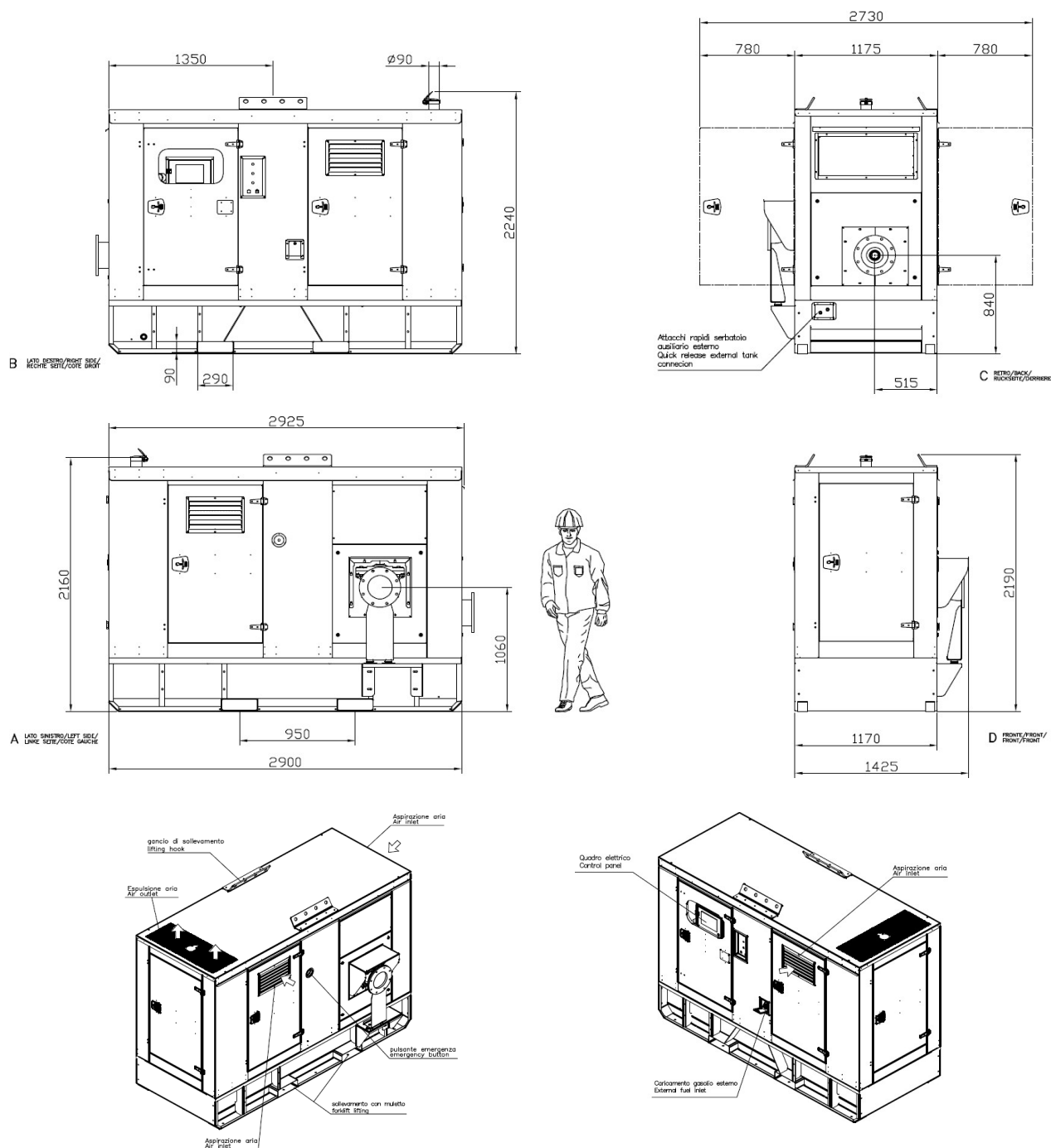
The data contained in this document is nominal and refers to the standard equipped model and is not binding. Visa S.p.A. reserves the right to revise the information without notice.

**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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