

# DEWATERING PUMP

CLASAL ZD 900 COMPACT SILENT

Ground Support Systems support a wide range of fully silenced canopy diesel and electric dewatering pumps. Used in either single or multi-stage setups, the pumps can provide single line, dual-stage, or perimeter dewatering capabilities.

Whether it is an inner-city basement, civil works for a subdivision, or the backyard pool install, our range of dewatering pumps are known for their reliability and versatility

## Pump specifications

Type	ZD 900
Design	With gear casing
Max Capacity	95 m <sup>3</sup> /ht
Max Discharge head	2 bar / 20 mwc
Max Suction head	9.6 mwc
Noise level	47 dB(A) at 10 m
Connecting parts	4" / 6"
Weight (empty)	Ca. 1585 kg
Dimensions (mm)	2113 x 977 x 1427
Diesel engine	Hatz 1D81Z



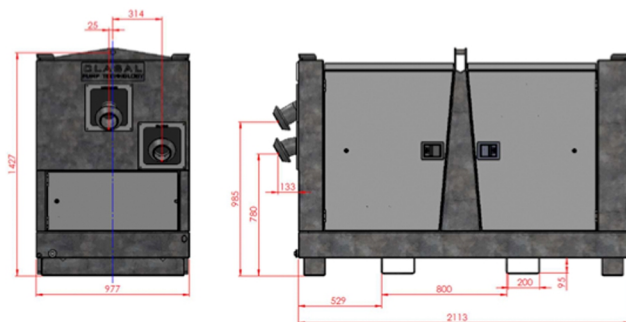
## Advantages of a ZD piston pump

- Constant water and airflow, independent of suction and discharge head
- Self-priming with a suction lift (vacuum) of 9.6 mwc without the aid of an separate power absorbing vacuum pump
- Permanent high efficiency minimizing energy consumption with a 180l fuel tank (one week) for autonomy
- About twice as efficient as a conventional vacuum priming impeller pumps
- Compact, light and robust design for ease of transportation and handling for all types of operating environments.
- Rapid and economical maintenance with low spare parts usage for economical and longer carefree service life.
- Unprecedented high availability allowing continuous and unattended operation accessibility for ease of maintenance.
- Resistant to brackish water and built with wear-resistant and durable materials.
- Depending on soil conditions, up to 50 wellpoints and up to 70 metres of header pipe can be connected to a single pump.
- Can run dry during operation without causing damage to the pump or internals.



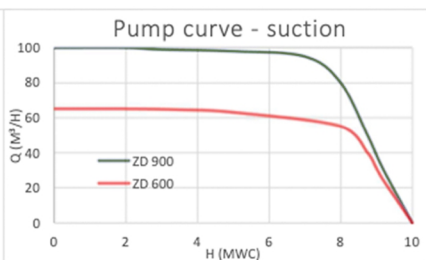
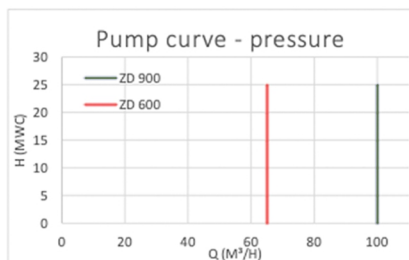
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Diesel engine	
Brand	Hatz
Type	1D81Z
Engine Rating	7.5 kW
Max.rounds per minute	1900 rpm
Fuel consumption	0.7 - 1.1 l/hour
Cylinder capacity	0.667 l
Number of cylinders	1
Cooling system	Air cooled
Starting system	Electrical start & stop

Canopy - Compact silent	
Type	COMPACT
Dimensions LxWxH	2113 x 977 x 1427 mm
Weight	1585 kg - (dry)
Base frame	2 bar / 20 mwc
Lifting eye	Central lifting eye on centre
Roof panels	Can be opened 180o
Door panels	4 Lockable side doors
Forklift sleeves	2 forklift sleeves: 200 x 95 mm
Canopy	Stackable



## Operational characteristics

Water, air or water and air mixtures are primed and discharged 4 times per crankshaft revolution. Two crankshaft driven pistons are arranged in a Vee at 90°, so that the four piston strokes for each revolution follow in regular succession. The crank timing produces a moderate pulsating type action in the dewatering line that prevents clogging of the wellpoint strainers and achieves priming from greater depths. p or internals.

FOR MORE INFORMATION - PLEASE CONTACT YOUR LOCAL GSS BRANCH