



VARIABLE SPEED PRESSURE BOOSTER SYSTEMS

- VSD.20- DHR



VSD.20- DHR is a booster set assembled with 2 DHR multistage centrifugal pumps and 2 VSD1 inverters. Designed to provide variable flow at constant pressure.

- SUITABLE FOR CONTINUOUS WORKING
- ENERGY SAVING
- HIGH HYDRAULIC EFFICIENCY

OPERATION

The frequency control enables the delivery of variable flow at constant pressure by automatically reducing or increasing the motor speed according to water demand. When the maximum flow rate of the first pump is reached, the control system runs at pump at its maximum speed.

If the first pump is not enough, the second inverter starts the second pump in order to maintain the desired operating pressure. The unit automatically stops when water demand is over and the system reaches the set point.

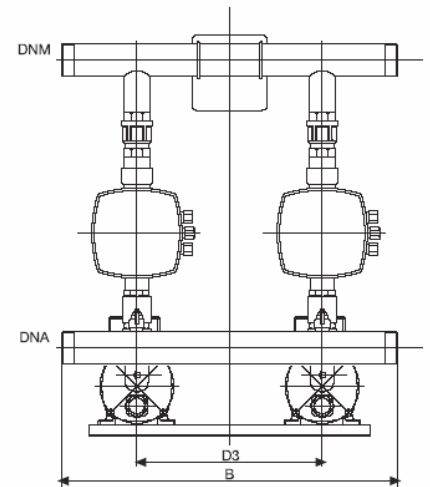
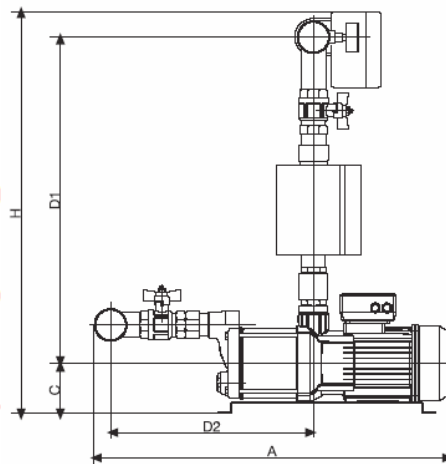
In the event of a fault, the display will show the cause of the system shutdown.

Booster sets operated by **VSD1** Inverters enable the cyclical changeover of pumps.

APPLICATIONS

VSD booster sets are the ideal solution in applications characterized by a need for variable flow at constant pressure:

- Water supply systems
- Pressure boosting
- Washing systems
- Irrigation



DIMENSIONS AND WEIGHTS

CODE	MODEL	Dimensions							DNA	DNM	Weight kg.
		A	B	C	H	D1	D2	D3			
UI600500	VSD1-20/DHR9-60	710	670	100	800	650	405	370	2" 1/2	2"	77

PUMP PERFORMANCE

CODE	MODEL	Motor power		Supply voltage V	Output voltage V	Amp. A	L/1' Q m³/h	80	160	240	400	520
		HP	kW					4,8	9,6	14,4	24	31,2
UI600500	VSD1-20/DHR9-60	2X3,35	2x2,5	1- 230	3- 230	2X4,5	Discharge head in meters	60	55,7	49	28,8	6,1