Aspri ESD B Surface Horizontal

Pump with VFD built-in

Applications
Constant water supply in dripping irrigation installations.
Industrial applications where constant pressure is required.

Operation principle
The VFD increase and decrease the speed of the motor according the installation demand supplying constant pressure.
The input signal comes from a pressure transducer installed on the discharge pipe.
Speedrive are manufactured with all the protections in order to protect the pump, from dry running, temperature, over intensity, etc.

Voltage range
Low voltage: disconnect at 180 V (M2) 310 V (T2).
Automatic reset: 195 V (M2) 335 V (T2).
High voltage: disconnect at 270 V (M2) 485 V (T2).
Automatic reset: 250 V (M2) 475 V (T2).

Materials and motor
As per the pump and Speedrive pages.

Equipment
Pumps supplied with VDF integrated.
Pressure transducer included.

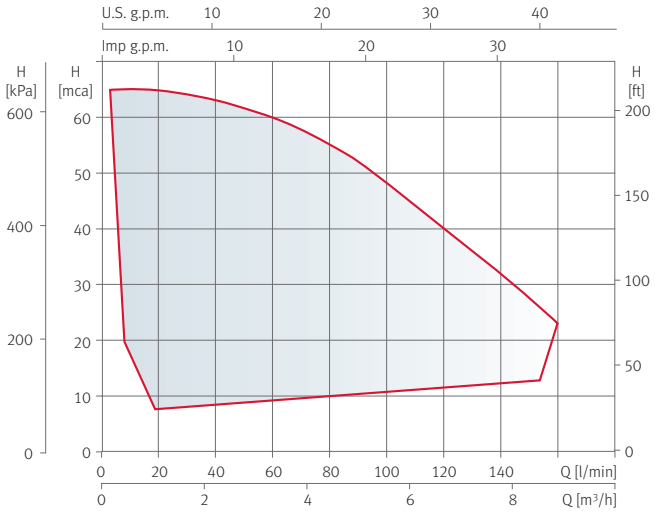


Hydraulic performance table

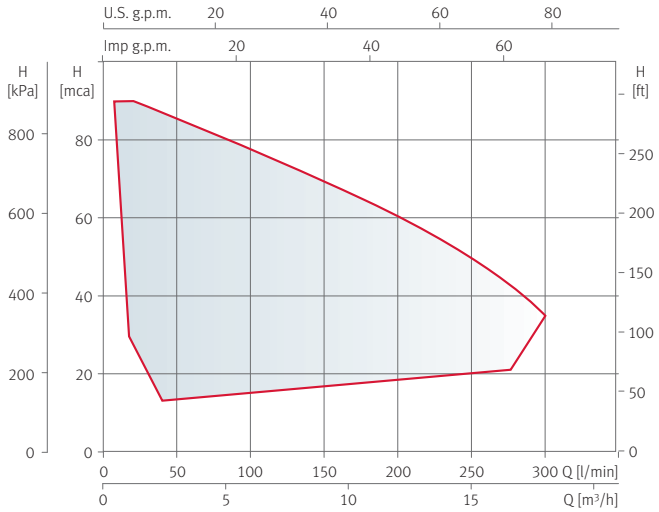
Model	Pump	Unit	P2 [kW]	Vfd	Pump	
					Suction	Discharge
Aspri ESD 15 5 B	Aspri 15 5 B	1	0.75	M2	1"	1"
Aspri ESD 25 4 B	Aspri 25 4	1	0.92	M2	1"	1"
Aspri ESD 25 5 B	Aspri 25 5	1	1.1	M2/T2	1"	1"

Pressure transducer 4-20 mA (10 bar)

Performance area Aspri ESDM B at 2900 rpm



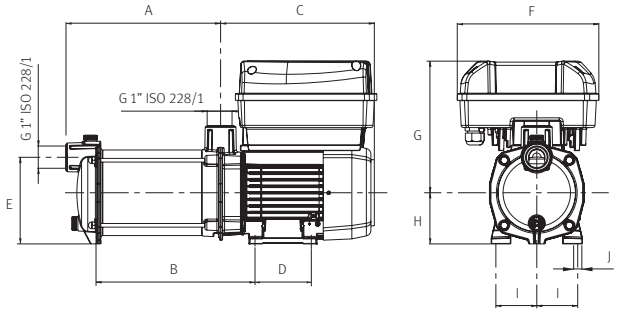
Performance area Aspri ESD B at 2900 rpm



Dimensions and weights

Aspri ESD 15 B

Model	A	B	C	D	E	F	G	H	I	J	Kg
Aspri ESD 15 B 5M	235	285	202	74	110	207	220	73	51	Ø8	13
Aspri ESD 15 B 5T	235	285	202	74	110	207	220	73	51	Ø8	13



Aspri ESD 25 B

Model	A	B	C	D	E	F	G	H	I	J	Kg
Aspri ESD 25 B 4M	228,5	279	225	82	127	207	213	75	59	Ø8	16,5
Aspri ESD 25 B 4T	228,5	279	225	82	127	207	213	75	59	Ø8	16,5
Aspri ESD 25 B 5M	255	328	240	82	127	207	227	79	59	Ø8	18
Aspri ESD 25 B 5T	255	328	240	82	127	207	227	79	59	Ø8	18

