

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.

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Hydraulic performance table

Model	Pump	Unit	P2	Vfd	Pump		1~230 V (model M)	3~400 V (model T)
			[kW]		Suction	Discharge	Code	Code
Aspri-ESD 15.5B	Aspri 15.5 B	1	0.75	M2/T2	1"	1"	185775	Aspri 15.5TBESD
Aspri-ESD 25.4B	Aspri 25.4	1	0.75	M2/T2	1"	1"	185777	185778
Aspri-ESD 25.5B	Aspri 25.5	1	1.1	M2/T2	1"	1"	185736	Aspri 25.5TBESD

Pressure transducer 4-20 mA (10 bar)

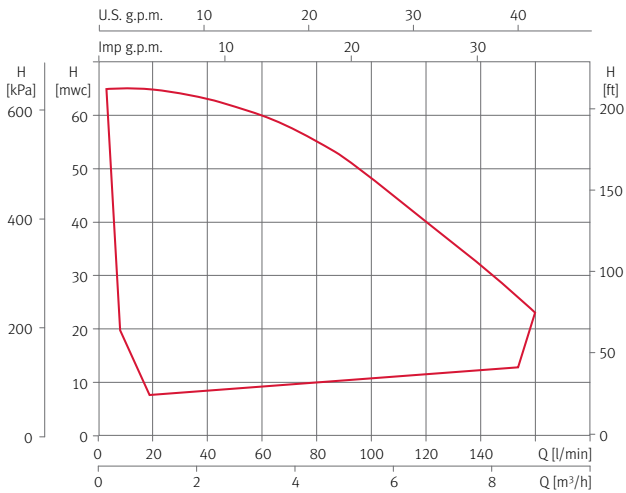
Model	Pump	Unit	P2	Vfd	Pump		1~230 V (model M)	3~400 V (model T)
			[kW]		Suction	Discharge	Code	Code
Aspri-ESD 35.4N	Aspri 35.4N	1	1.1	M2-T2	1 1/4"	1 1/4"	Aspri 35.4MNESD	Aspri 35.4NESD
Aspri-ESD 35.5N	Aspri 35.5N	1	1.5	M2/T2	1 1/4"	1 1/4"	185781	185782
Aspri-ESD 35.6N	Aspri 35.6N	1	2.2	T2	1 1/4"	1 1/4"		185783
Aspri-ESD 45.3N	Aspri 45.3N	1	1.1	M2/T2	1 1/2"	1 1/4"	Aspri 45.3MNESD	Aspri 45.3NESD
Aspri-ESD 45.4N	Aspri 45.4N	1	1.5	M2/T2	1 1/2"	1 1/4"	Aspri 45.4MNESD	Aspri 45.4NESD
Aspri-ESD 45.5N	Aspri 45.5N	1	2	T2	1 1/2"	1 1/4"		185784

All ESD pumps are c/w Speedrive & Transducer (you must fit a pressure vessel on every ESD unit)
Minimum sizes are Prisma 15 (8 ltrs). Prisma 25 (18 ltrs). Prisma 35 (18 ltrs) & Prisma 45 (24 ltrs).

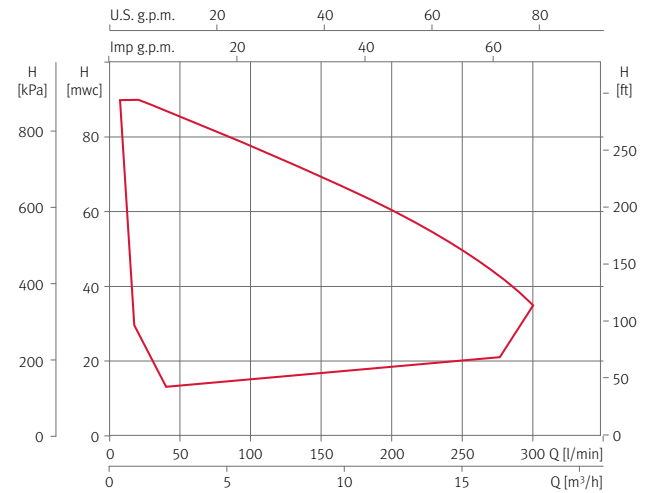
Aspri ESD B Surface Horizontal



Performance area Aspri ESDM B at 2900 rpm



Performance area Aspri ESD B at 2900 rpm

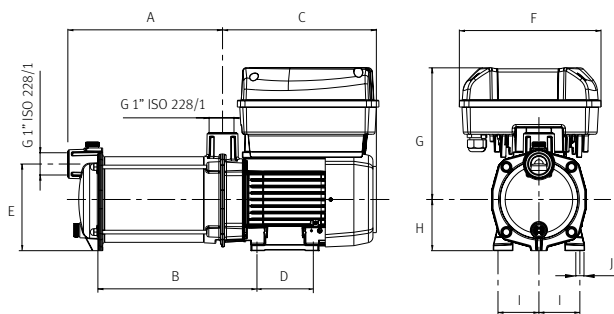


WATER SUPPLY SURFACE
HORIZONTAL & VERTICAL

Dimensions and weights

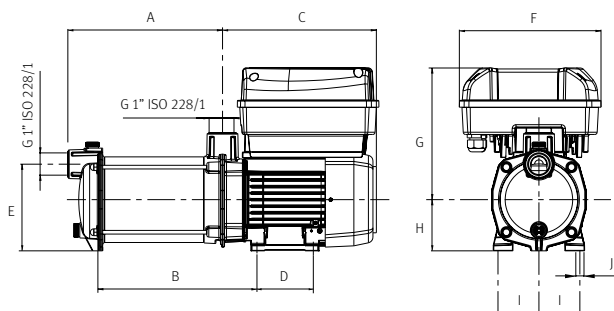
Aspri ESD 15 B

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



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