

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.

LENNTECH
WATER TREATMENT Solutions

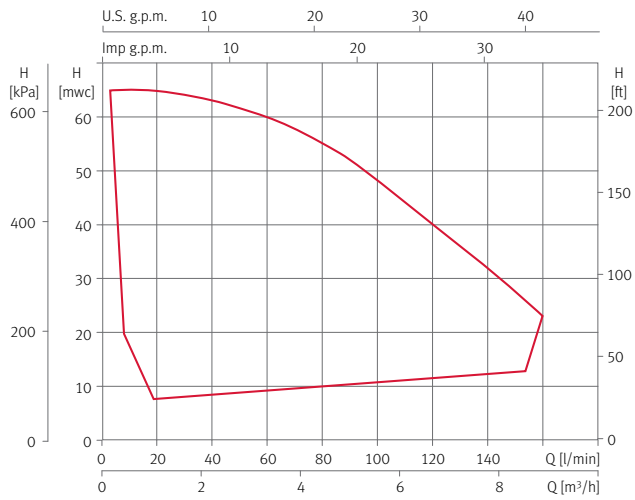


Hydraulic performance table

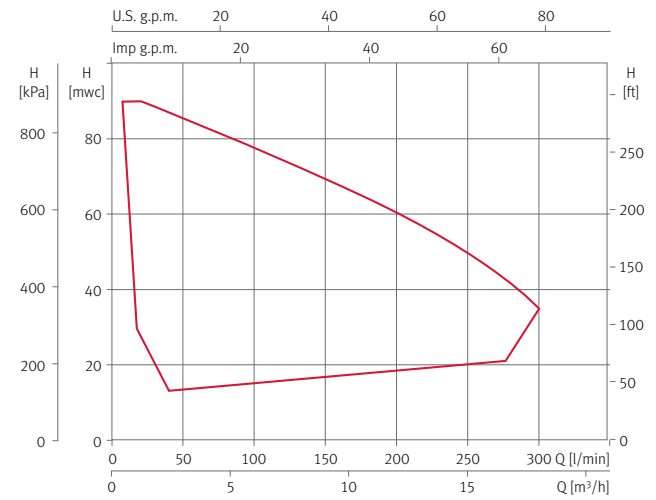
Model	Pump	Unit	P2	Vfd	Pump		1~230 V (model M)	3~400 V (model T)
			[kW]		Suction	Discharge	Code	Code
Tecno 25.4MESD	Tecno 25 4	1	0.92	M2/T2	1"	1"	Tecno 25.4MESD	Tecno 25.4TESD
Tecno 25.5MESD	Tecno 25 5	1	1.1	M2/T2	1"	1"	Tecno 25.5MESD	Tecno 25.5TESD
Tecnoself 25.4MESD	Tecnoself 25 4	1	0.92	M2/T2	1"	1"	Tecnoself 25.4MESD	Tecnoself 25.4TESD
Tecnoself 25.5MESD	Tecnoself 25 5	1	1.1	M2/T2	1"	1"	Tecnoself 25.5MESD	Tecnoself 25.5TESD

All ESD pumps are c/w Speedrive & Transducer
(you must fit a pressure vessel on every ESD unit) Minimum sizes are Tecno/Tecnoself 25 (18 ltrs).

Performance area Tecno ESDM at 2900 rpm



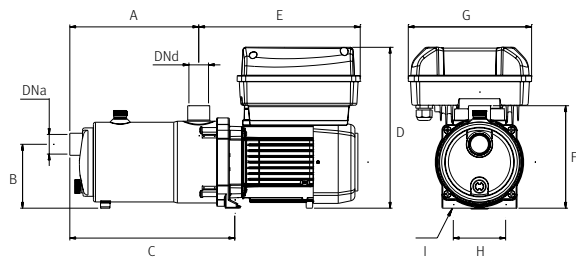
Performance area Tecno ESD at 2900 rpm



WATER SUPPLY SURFACE
HORIZONTAL & VERTICAL

Dimensions and weights

Model	A	B	C	D	E	F	G	H	I	DNa	DNd	Kg
Tecno ESD 25 4	236.6	107.5	298.1	270	272	196.3	207	88	9	G1"	G1"	14.9
Tecno ESD 25 5	263.2	107.5	324.7	270	272	196.3	207	88	9	G1"	G1"	16.2



*Service kits are available on request

LENNTECH
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