

Multi ESD Surface Vertical



Pump with integrated inverter

Applications

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

Materials and motor

As per the pump and Speedrive pages.
Efficiency IE3.
Energy Index MEI $\geq$ 0,4 for Multi 25/35.
Energy Index MEI $\geq$ 0,4 for Multi 55.

Equipment

Pumps supplied with VDF integrated.
Pressure transducer must be ordered separately.

Voltage range

Low voltage: disconnect at 180 V (M2)
310 V (T2/T3).
Automatic reset: 195 V (M2) 335 V (T2/T3).
High voltage: disconnect at 270 V (M2)
485 V (T2/T3).
Automatic reset: 250 V (M2) 475 V (T2/T3).

Operation principle

The VFD increase and decrease the speed of the motor according to 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.

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ErP READY

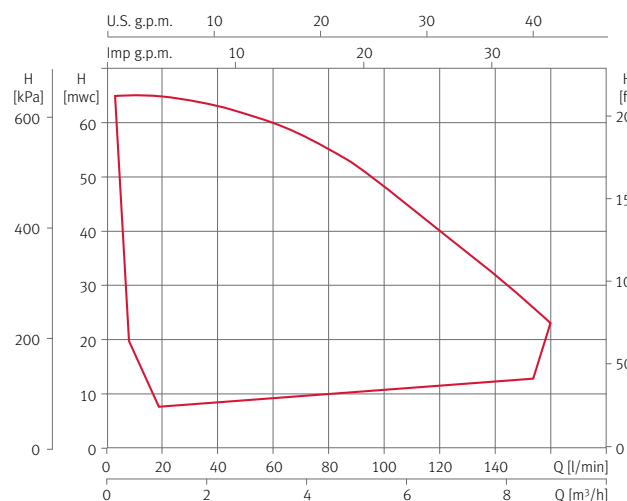
WATER SUPPLY SURFACE
HORIZONTAL & VERTICAL

Hydraulic performance table

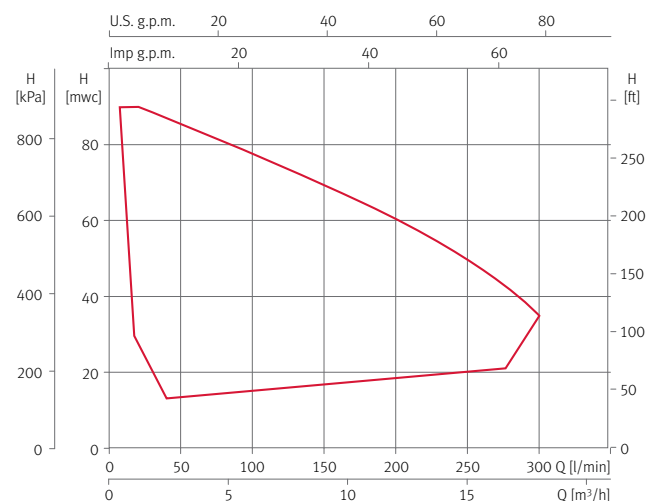
Model	Pump	Unit	P2	Vfd	Pump		1~230 V (Model M)	3~400 V (model T)
			[kW]		Suction	Discharge	Code	Code
MULTI 25.4 MESD	Multi 25 4	1	0.75	M2/T2	1 1/2"	1 1/4"	174102	174192
MULTI 25.5 MESD	Multi 25 5	1	0.92	M2/T2	1 1/2"	1 1/4"	174195	174194
MULTI 35.4 MNESD	Multi 35 4	1	1.1	M2/T2	1 1/2"	1 1/4"	174103	174191
MULTI 35.5 MNESD	Multi 35 5	1	1.5	M2/T2	1 1/2"	1 1/4"	174108	169761
MULTI 35.6 NESD	Multi 35 6	1	2.2	T2	1 1/2"	1 1/4"		169984
MULTI 35.8 NESD	Multi 35 8	1	3	T3	1 1/2"	1 1/4"		174101
MULTI 55.3 MNESD	Multi 55 3	1	1.5	T2	1 1/2"	1 1/4"	176600	176283
MULTI 55.4 NESD	Multi 55 4	1	2.2	T2	1 1/2"	1 1/4"		175488
MULTI 55.6 NESD	Multi 55 6	1	3	T3	1 1/2"	1 1/4"		175489
MULTI 55.7 NESD	Multi 55 7	1	4	T3	1 1/2"	1 1/4"		174100

Pressure transducer 4-20 mA (10 bar)

Performance area Multi ESDM at 2900 rpm



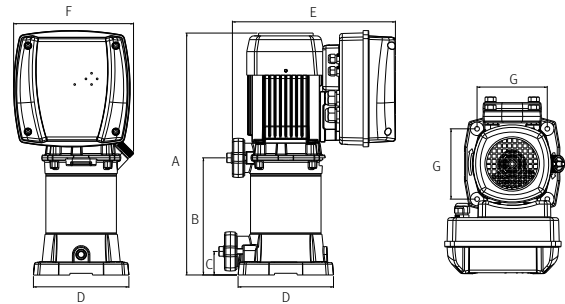
Performance area Multi ESD at 2900 rpm



Dimensions and weights

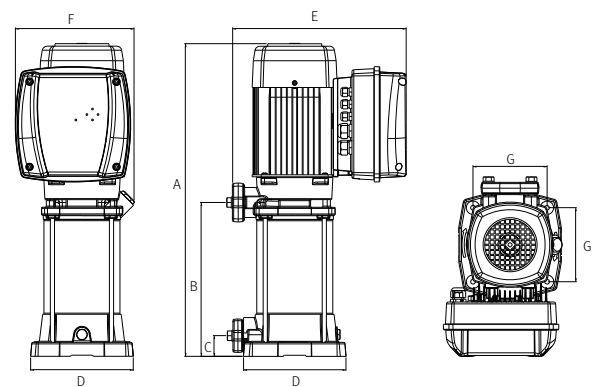
Multi ESD 25

Model	A	B	C	D	E	F	G	Suction	Discharge	Kg
Multi ESD 25 4M	420	205	42	170	290	213	125	1 1/4"	1 1/4"	20.3
Multi ESD 25 4T	420	205	42	170	290	213	125	1 1/4"	1 1/4"	20
Multi ESD 25 5M	442	226	42	170	290	213	125	1 1/4"	1 1/4"	21.1
Multi ESD 25 5T	442	226	42	170	290	213	125	1 1/4"	1 1/4"	20.9



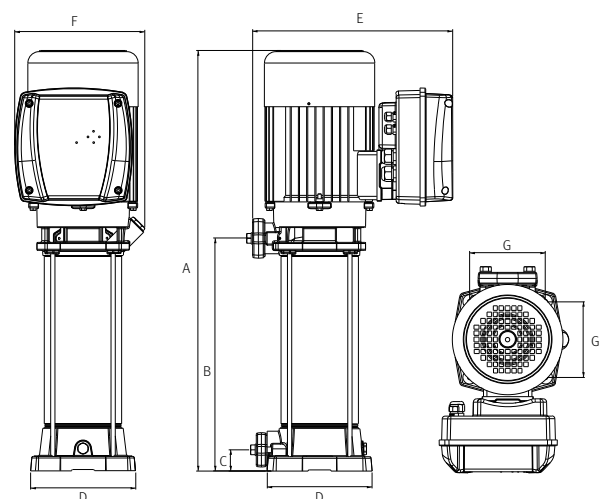
Multi ESD 35

Model	A	B	C	D	E	F	G	Suction	Discharge	Kg
Multi ESD 35 4M	511.5	226	37	184	312	213	133	1 1/2"	1 1/4"	25.4
Multi ESD 35 4T	511.5	226	37	184	312	213	133	1 1/2"	1 1/4"	23.4
Multi ESD 35 5M	536	250.5	37	184	312	213	133	1 1/2"	1 1/4"	28.1
Multi ESD 35 5T	536	250.5	37	184	312	213	133	1 1/2"	1 1/4"	25.7
Multi ESD 35 6T	561	275	37	184	312	213	133	1 1/2"	1 1/4"	28.7
Multi ESD 35 8T	657.5	323	37	184	312	213	133	1 1/2"	1 1/4"	35.6
Multi ESD 35 10T	707.5	373	37	184	312	213	133	1 1/2"	1 1/4"	42.4



Multi ESD 55

Model	A	B	C	D	E	F	G	Suction	Discharge	Kg
Multi ESD 55 3M	531	245	37	184	352	228	133	1 1/2"	1 1/4"	26.3
Multi ESD 55 3T	531	245	37	184	352	228	133	1 1/2"	1 1/4"	28.7
Multi ESD 55 4T	571	285	37	184	352	228	133	1 1/2"	1 1/4"	29.6
Multi ESD 55 6T	696	362	37	184	352	228	133	1 1/2"	1 1/4"	38.4
Multi ESD 55 7T	736	402	37	184	352	228	133	1 1/2"	1 1/4"	42.7



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