

Tecnoplus 15 Pressure



Centrifugal multi-stage with speed control

A horizontal, multiphase, centrifugal pump with electronic regulation for changing speed and with built-in pressure sensor. It contains a device for detecting and protecting against dry operation, with sequential re-starts in event of failure. Absorbs water hammer effect on the installation.

Applications

Pressurising with constant pressure of domestic water for houses, semi-detached homes, apartments, chalets and rural homes, etc.

Materials

Hydraulic body and impellers in AISI 304.
Diffusers in thermoplastic.
Mechanical seal in graphite and ceramic.
O-rings in NBR.

Motor

Asynchronous, two poles.
IP 55 protection.
Class F insulation.
Continuous operation.
Built-in thermal protector inside the windings.
With 2 m cable H07 RNF 3 x 1 mm².
Display with push button to increase or decrease working pressure (150 kPa - 350 kPa).

Limitations

Maximum suction lift 5 m for installation with foot valve.
Maximum working pressure 6 bar.
Maximum suction pressure 2 bar intake at suction point.
Water temperature from 4 °C to 35 °C.
Room temperature from -10 °C to 50 °C.
Motor characteristics 230 V / 50 Hz.

Electronics

Advanced ESPA Speed Drive technology, enabling variable speed operation, with automatic self-regulation which maintains the constant pressure required at all times in the home, thanks to its pressure sensor.

Equipment

Complete with kit press and pressure gauge.
Noise level 60-62 dBA at 1 meter.
You must install a pressure vessel on the discharge pipework minimum 18 ltrs.

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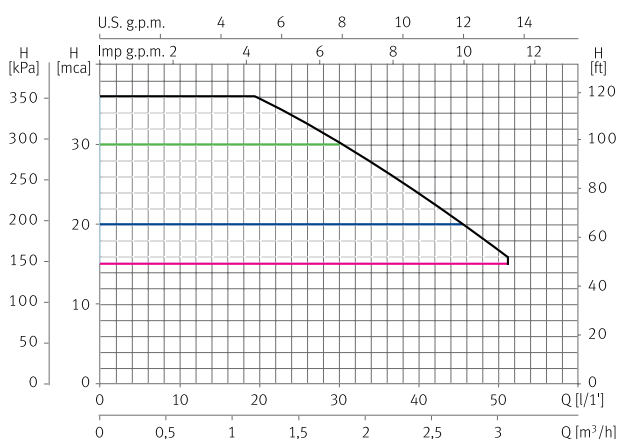
PRESSURE BUILDING SERVICES

Hydraulic performance table

Model	I [A]	P1 [kW]	P2		c	l/min	5	10	15	25	30	35	45	50	1~230 V (model M)
	1~230 V	1~230 V	[kW]	[HP]	[μF]	m³/h	0.3	0.6	0.9	1.5	1.8	2.1	2.7	3.0	Code
Tecnoplus 15M	3.6	0.75	0.55	0.75	12	Máx. Mín.	36 15	36 15	36 15	32 15	28 15	25.5 15	18.5 15	15 15	131059

Tecnoplus 15/25 pumps are c/w Kit Press, pressure gauge and stainless steel discharge adaptor (You must fit a pressure vessel on the discharge pipework for every Tecnoplus 15/25) (Minimum size is 8 ltrs for 15 & 24 ltrs for 25)

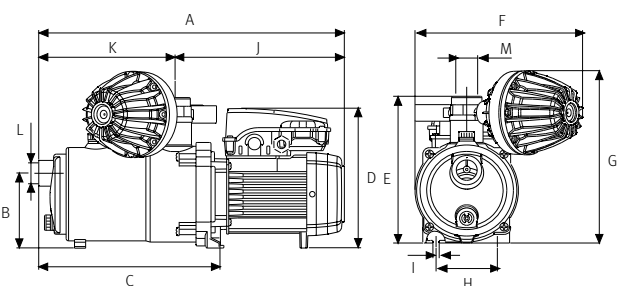
Performance curves at 2900 rpm



The pump can operate at any point inside the indicated area. The characteristic curves depend on the delivery pressure. By way of example, the curves are shown for delivery pressures of 150, 200 and 300 kPa. The operating limit curve corresponds to the maximum rotating speed.

Dimensions and weights

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	Kg
Tecnoplus 15M	439	108	261	200	216	241	253.8	88	9	243	196	G1"	G1"	10.5



*Service kits are available on request

A horizontal, multistage, centrifugal pump with frequency converter

Applications

Compact unit providing constant pressure without fluctuations for domestic applications, saving electricity. Easy to install and plug&pump design.

Materials

Pump body and impellers in stainless steel AISI 304.
Diffusors in thermoplastic.
Mechanical seal in graphite and ceramic.
O-rings in NBR and EPDM.

Motor

Asynchronous two poles 50/60 Hz.
IP 55 Protection.
Insulation class F.
Built-in thermal protector inside the windings.
Continuous operation.
Three-phase motor 230 V and single-phase supply 230 V.

Voltage range

Low voltage: Disconnect at 180 V.
Automatic Reset at 200 V.
High voltage: Disconnect at 260 V.
Automatic Reset at 240 V.

Equipment

A horizontal, multistage, centrifugal pump with frequency converter with keypad.
Built-in pressure sensor.
Built-in dry running control, pressure gauge and dry running control with sequential re-starts in the event of failure.
Reduces water hammer effect on the installations.
With 2 m cable HO7RNF 3 x 1 mm².
You must install a pressure vessel on the discharge pipework minimum 24 ltrs.

Limitations

Maximum suction 5 m lift when installed with foot valve.
Maximum working pressure 6 bar.
Maximum intake pressure 2 bar.
Water temperature from 4 °C to 40 °C.
Room temperature from -10 °C to 50 °C.
Noise level dBA at 1 mtr.

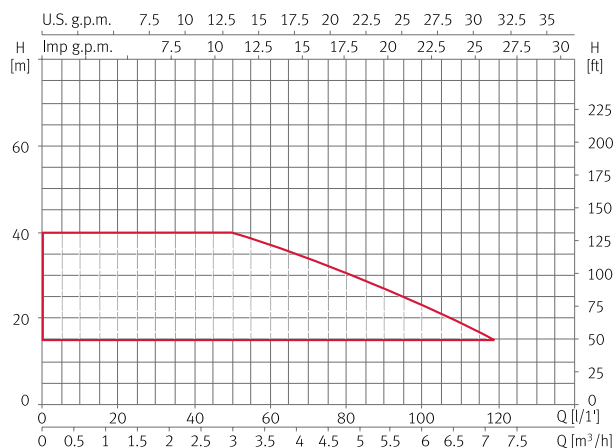


Hydraulic performance table

Model	I [A]	P1 [kW]	P2		l/min	45	60	75	90	105	120	1~230 V (model M)
	1~230 V	1~230 V	[kW]	[HP]	m ³ /h	2.7	3.6	4.5	5.4	6.3	7.2	Code
Tecnoplus 25M	6.8	1.5	0.92	1.25	mwc	40	37	33	28	22	15	167577

Tecnoplus 15/25 pumps are c/w Kit Press, pressure gauge and stainless steel discharge adaptor
(You must fit a pressure vessel on the discharge pipework for every Tecnoplus 15/25) (Minimum size is 8 ltrs for 15 & 24 ltrs for 25)

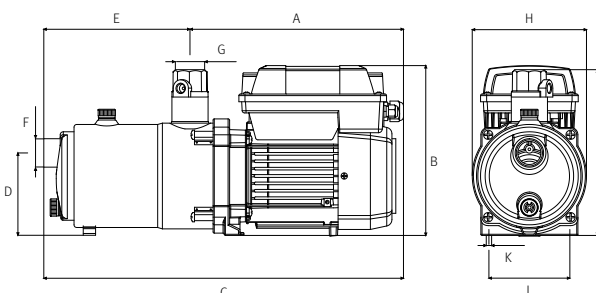
Performance curves at 2900 rpm



*Service kits are available on request

Dimensions and weights

Model	A	B	C	D	E	F	G	H	I	J	K	Kg
Tecnoplus 25M	277.5	221	467.5	107	190	1"	1 1/4"	148.5	216	88	Ø9	15.5



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info@lennotech.com Tel. +31-152-610-900
www.lennotech.com Fax. +31-152-616-289