Flowboost

PRODUCT DATA SHEET

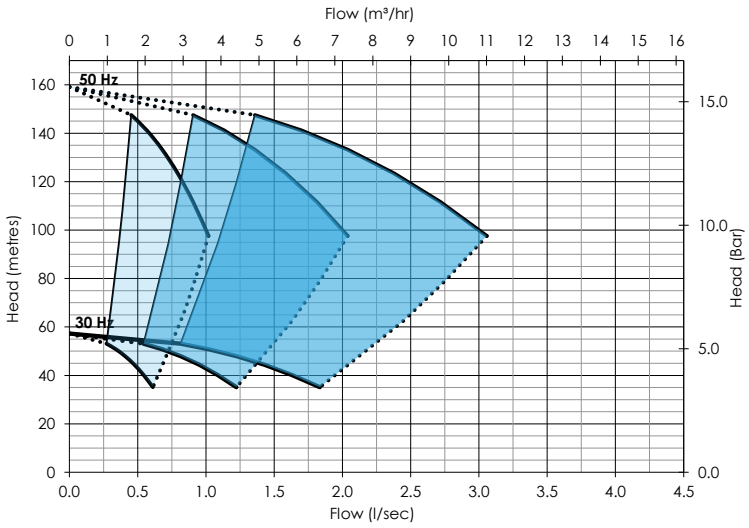
AV3-0321-022T-MAB

Product Description

The Flowtech AV3-0321-022T-MAB booster set utlises WRAS approved components and features 3 stainless steel multistage pumps mounted on a powder-coated steel base plate. The pumps are operated by our advanced variable speed controller and will deliver a nominal flow rate of 12.6 m³/h (Per Pump) and nominal head pressure of up to 158.5 metres.

Certifications	● Fully WRAS Approved ● Kiwa Regulation 4 Approved ● UKCA Approved ● CE Approved
Control Panel	● Controlled by our advanced MAB variable speed control panel ● Volt free contacts ● Dry run protection ● Duty-assist-standby and duty-assist-assist modes
Features	● 304/316 Stainless steel manifold assembly ● Suitable for a 3 phase 400v supply ● Air cooled inverters ● External low water level facility ● Pressure vessel with flow through isolation & drain valves ● Robust steel powder coated base, compact size ● AV mounts & Flexible connectors optional ● 2 Year Warranty ● Minimum pressure alarm ● Safety start (slow fill mode)

Pump Performance Curve



Specification

Suction connection	2”
Delivery connection	2”
Max operating flow (per pump)	1.0 l/s
Max operating pressure	14.5 bar
Closed valve pressure	15.6 bar
Maximum system pressure rating	16 Bar
Speed	Variable
IP rating	IP44
Motor power	2.2 kW
Weight	98 kg
Pressure vessels N° x [Total Litres]	1 x [24]
Maximum operating temperature	23°C

Losses in fittings and valves not included.
Performances shown are for S.G. 1.0 water with a liquid temperature during operation of 20 °C
Pumps are tested in accordance with BS EN ISO 9906:2012 Rotodynamic pumps - Hydraulic performance acceptance tests - Grade 3B (ISO 9906:2012)

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Electrical Data

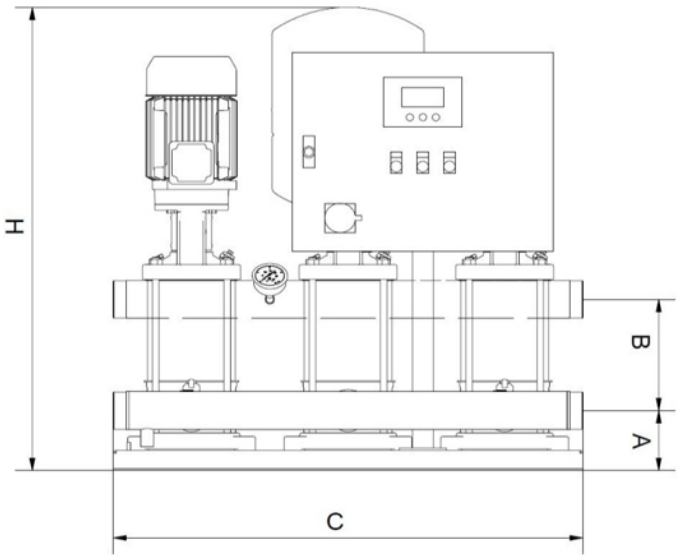
Operating speed range	30 - 50Hz
Per pump Current @ Full Load	4.6 A
Total Current @ Full Load	13.8 A
Supply Voltage	400v
Electrical Phase	3Φ

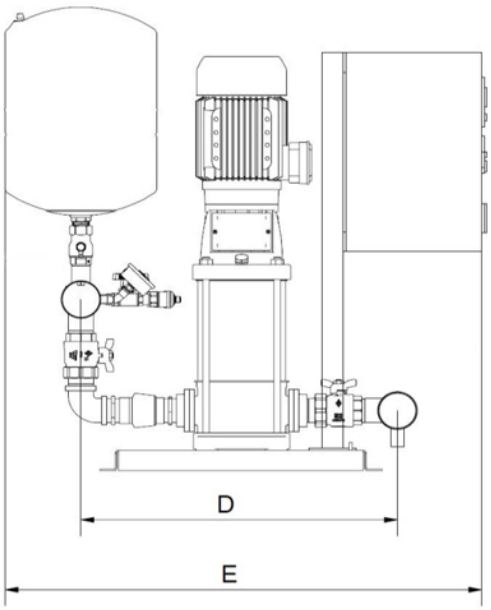
Model Codes

AV3-0321-022T-MAB

- Range
- # of Pumps
- BEP Flowrate (m³/h)
- Pump Stages
- Motor size
- Power Supply

Technical Drawing





Note: The post is 1000 mm for all models.
ALL DIMENSIONAL DATA PROVIDED IS FOR REFERENCE ONLY AND MAY BE SUBJECT TO CHANGE WITHOUT NOTICE. IT IS THE USER'S RESPONSIBILITY TO VERIFY ALL CRITICAL INTERFACE DIMENSIONS WITH ENGINEERING BEFORE PROCEEDING WITH DESIGN, MANUFACTURING, OR INTEGRATION.

Drawing dimensions

Dimension A	120
Dimension B	180
Dimension C	900
Dimension D	485
Dimension E	850
Dimension H	1042

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