# Flowboost

PRODUCT DATA SHEET

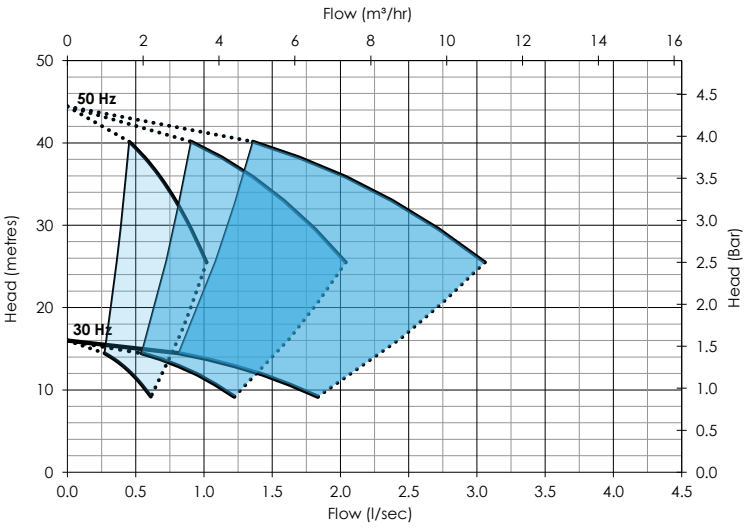
## AV3-0306-005M-MAB

**Product Description**

The Flowtech AV3-0306-005M-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 44.4 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 1 phase 230V 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 | 3.9 bar |
| Closed valve pressure | 4.4 bar |
| Maximum system pressure rating | 10 Bar |
| Speed | Variable |
| IP rating | IP44 |
| Motor power | 0.55 kW |
| Weight | 75 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)



Flowtech Ltd is not liable for any incompleteness or inaccuracies. Specifications and illustrations are subject to revision without notice.

## Electrical Data

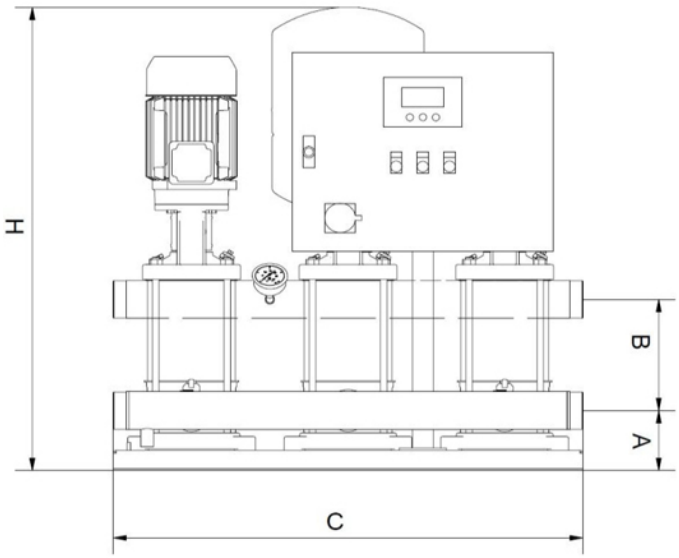
| | |
|---|---|
| Operating speed range | 30 - 50Hz |
| Per pump Current @ Full Load | 3.2 A |
| Total Current @ Full Load | 9.6 A |
| Supply Voltage | 230V |
| Electrical Phase | 1Φ |

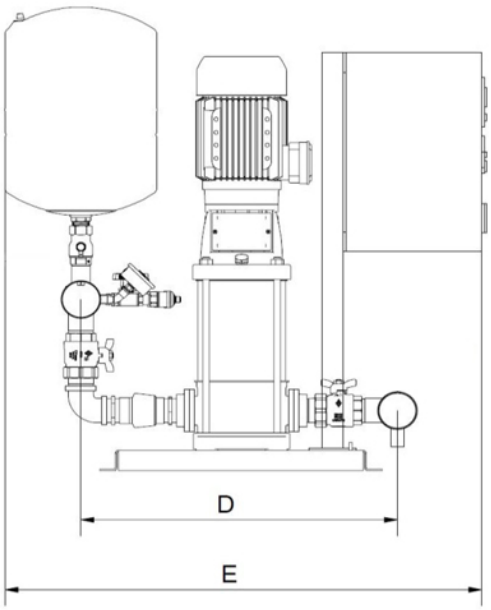
## Model Codes

AV3-0306-005M-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 | 1035 |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