

AQUABOOST

SP3V-10HM04S-MAB-M/24

The Aquaboost SP3V-10HM04S-MAB-M/24 booster set is fully WRAS approved and features three stainless steel multistage pumps mounted on a powder coated steel base plate. The pumps are controlled by our advanced MAB variable speed control panel and will deliver a nominal flow rate of 10 m³/h (per pump) and nominal head pressure of up to 3.6 bar. This product can be configured for duty-assist-standby or duty-assist-assist operating modes.



Features

- Flow rates up to 14 m³/h (per pump)
- Head pressure up to 4.8 Bar
- Variable speed pump control
- Duty-assist-standby and duty-assist-assist modes
- Fully WRAS Approved Product
- 304 Stainless Steel pumps
- 304/316 Stainless steel manifold assembly
- 24 litre pressure vessel with flow through isolation & drain valve
- Air cooled inverters
- BMS Volt free contacts
- External Enable On/Off
- Hand/Off/Auto Switches
- External Low Water
- AV mounts & Flexible connectors optional

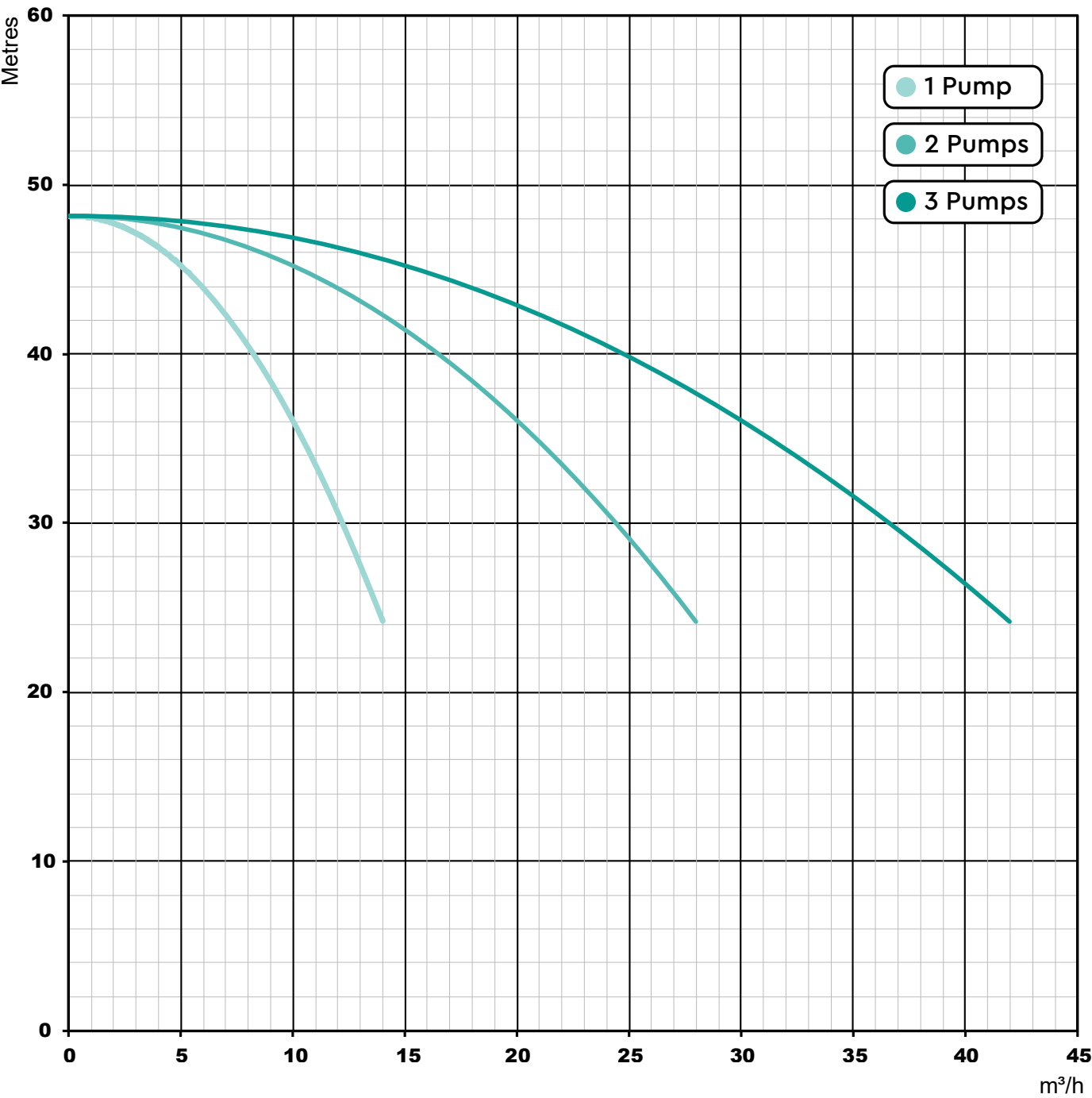
Applications

- Cold water pressure and flow boosting in a range of domestic, commercial and industrial applications

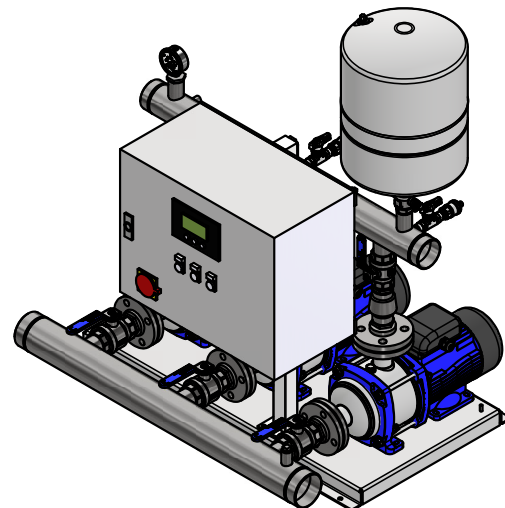
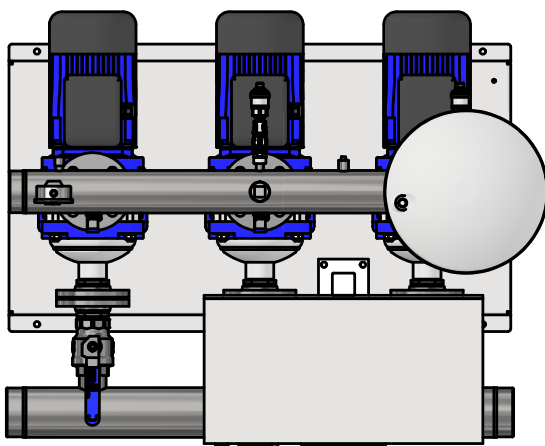
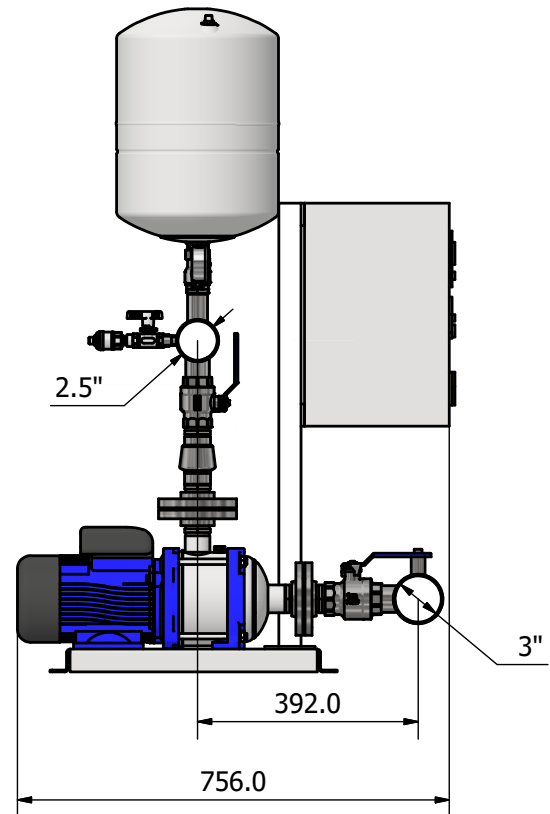
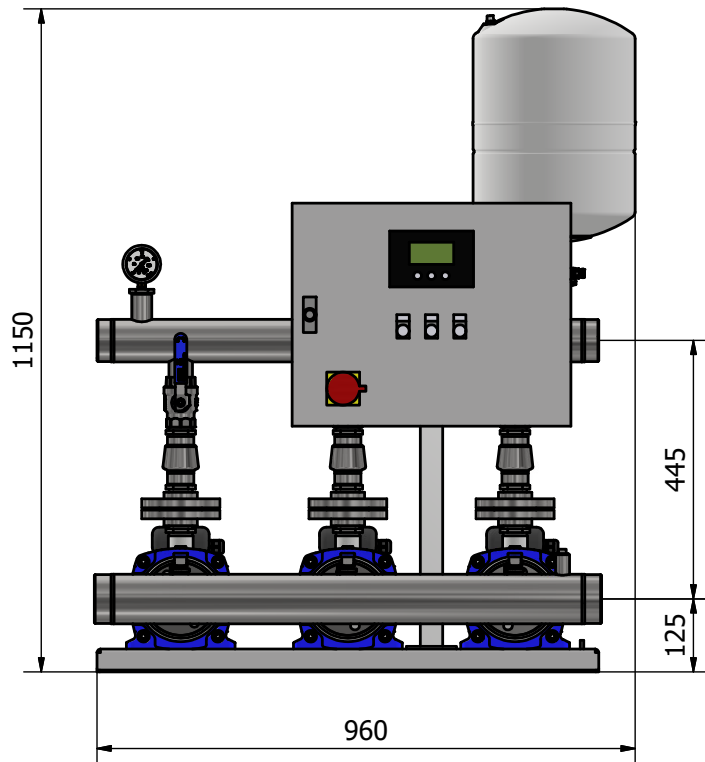
Product Code Structure

| | SP3V | 10HM04S | MAB | M | / | 24 |
|-----------------|------|---------|-----|---|---|----|
| Product Prefix | SP3V | | | | | |
| Number of Pumps | | 10 | | | | |
| Variable Speed | | HM | | | | |
| Pump Model | | 04S | | | | |
| Controller Type | | | MAB | | | |
| Single Phase | | | | M | | |
| Vessel Size | | | | | / | 24 |

Pump Characteristic SP3V-10HM04S-MAB-M/24



| Aquaboost Model | | SP3V-10HM04S-MAB-M/24 |
|-----------------|--------------------------------------|-------------------------------------|
| General | Warranty | 2 years |
| | WRAS approval | 1910316 |
| | Conformity certification | CE / UKCA |
| Features | Dry run protection | ✓ |
| | Glycerine filled pressure gauge | ✓ |
| | Pump check valve(s) | ✓ |
| | BMS volt-free contacts | ✓ |
| Performance | Nominal head | 3.6 bar |
| | Maximum head (closed valve) | 4.8 bar |
| | Nominal flow rate | 10 m ³ /h (per pump) |
| | Maximum flow rate | 14 m ³ /h (per pump) |
| | Minimum static inlet pressure | 1 metre |
| | Maximum static inlet pressure | 10 metres |
| | Maximum ambient air temperature | Max 40 °C |
| | Water temperature range | Min 4 °C / Max 23 °C |
| | Maximum working pressure (kPa / bar) | 1000 kPa / 10 bar |
| Connections | Inlet | 3" BSP |
| | Outlet | 2 1/2" BSP |
| Manifold | Manifold construction | Stainless steel |
| | Pump isolation valves | Full bore, lever |
| Pump | Number of pumps | 3 |
| | Pump type | Multistage centrifugal (horizontal) |
| | Pump body | Stainless steel |
| | Impeller | Stainless steel |
| | Mechanical seal | EPDM / Carbon / Ceramic |
| | Motor type | Induction (current overload sensor) |
| | Duty rating | Continuous (S1) |
| Electrical | Power supply / phase / frequency | 230 V / 1 / 50Hz |
| | Power consumption – P1 | 1.5 kW (per pump) |
| | Current – full load | 6.0 Amps (per pump) |
| Physical | Enclosure protection | IP44 |
| | Width | 950 mm |
| | Depth | 725 mm |
| | Height | 1200 mm |
| | Weight | 132 Kg |



***Please add 32mm to the total height from the base of the pump when AV mounts are used.**

Stuart Turner Limited reserves the right to amend specifications without notice.

Stuart Turner Ltd, Henley-on-Thames, Oxfordshire RG9 2AD Tel: +44 (0) 1491 572655 Fax: +44 (0) 1491

573704 TechAssist Helpline +44 (0) 800 31 969 80

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