

AQUABOOST SP2V-3HM06S-MAB-M/24

The Aquaboost SP2V-3HM06S-MAB-M/24 booster set is fully WRAS approved and features two 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 3 m³/h (per pump) and nominal head pressure of up to 3.1 bar. This product can be configured for duty-assist or duty-standby operating modes.





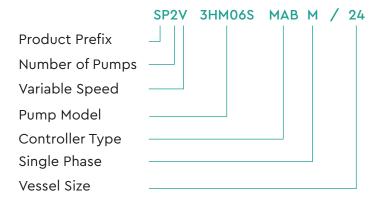
Features

- Flow rates up to $4.4 \text{ m}^3/\text{h}$ (per pump)
- Head pressure up to 4.4 Bar
- Variable speed pump control
- Duty-assist and duty-standby 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

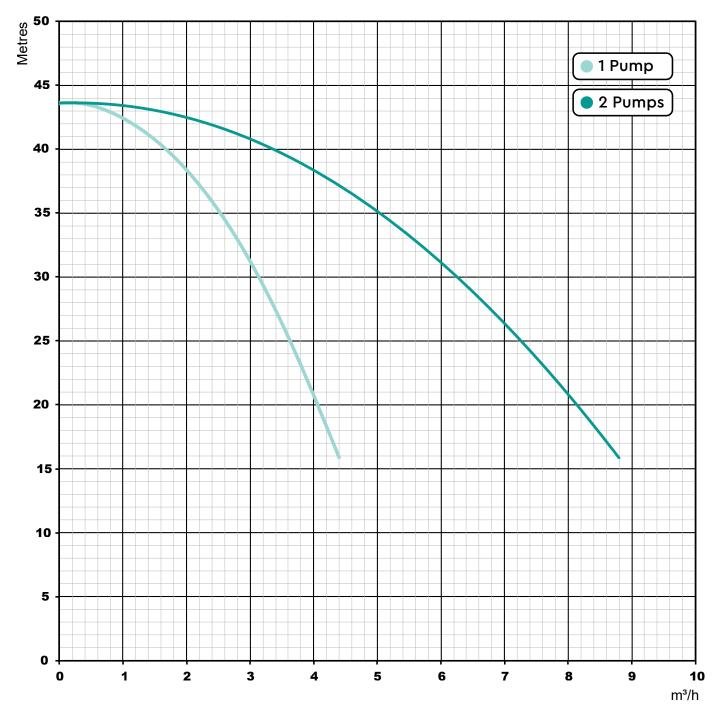
 Cold water pressure and flow boosting in a range of domestic, commercial and industrial applications

Product Code Structure





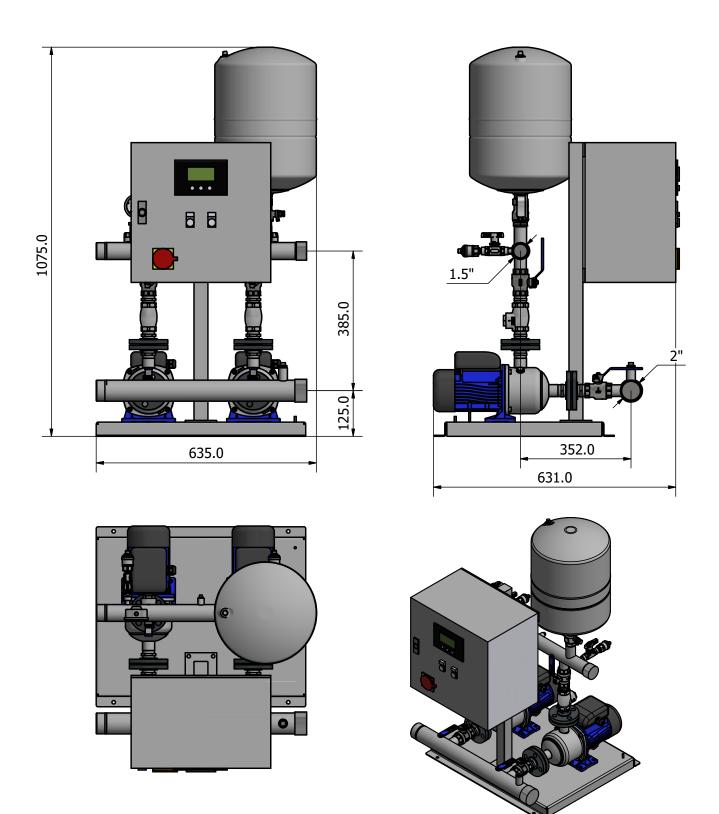
Pump Characteristic SP2V-3HM06S-MAB-M/24



STUART

General Warranty 2 years WRAS approval 1910316 Confmity certification CC / UKCA Features Glycerine filed pressure gauge ✓ Pump check valve(s) ✓ ✓ BW Solt-free contacts ✓ ✓ Maximu head (closed valve) ✓	Aquaboost Model		SP2V-3HM06S-MAB-M/24
Conformity certification CE / UKCA Features Dry run protection ✓ Beatures Dry run protection ✓ Pump check valve(s) ✓ ✓ BMS volt-free contacts ✓ ✓ Performance Mominal head 31 bar Maximum head (closed valve) 4.4 bar Nominal flow rate 3 m²/h (per pump) Maximum flow rate 4.4 m²/h (per pump) Maximum static inlet pressure 10 metres Maximum static inlet pressure 10 metres Maximum working pressure (kPa / bar) 1000 kPa / 10 bar Connection Inlet 2*85P Outlet 11/2*85P Manifold Manifold construction Stainless steel Pump isolation valves Full bore, lever Pump type Multistage centrifyed (horizontal) Pump body Stainless steel Impeller Stainless steel Impeller Induction (current overload sensor) Duty rating Continuous (S1) Electrical Power supply / phase / frequency	General	Warranty	2 years
Features Dry run protection Image: control of the system		WRAS approval	1910316
Big of the filled pressure gauge ✓ Pump check valve(s) ✓ BMS volt-free contacts ✓ BMS volt-free contacts ✓ Performance Mominal head 3.1 bar Maximum head (closed valve) 4.4 bar Maximum flow rate 3.1 bar Maximum flow rate 3.1 bar Maximum flow rate 4.4 mark (ker pump) Maximum 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 ambient air temperature Maximum 4.4 mark 4.0 °C Maximum static inlet pressure 1000 kPa / 10 bar Connections Inlet 2" BSP Marifold Marifold construction Stainless steel Pump body Stainless steel Pump type Pump body Stainless steel Impeller Marifold construction Etectrical Power supply / phase / frequency Pump type Induction (current overload sensor) DUry traing		Conformity certification	CE / UKCA
Pump check valve(s) Image: content to garget Proprior check valve(s) Image: content to the co	Features	Dry run protection	\checkmark
BK volt-free contactsImage: contactsPerformance Performance Performance Maximum head (closed valve)3.1 barMaximum head (closed valve)4.4 barMaximum head (closed valve)4.4 barMaximum flow rate3.m³/h (per pump)Maximum flow rate3.m³/h (per pump)Maximum static inlet pressure1.metreMaximum motiet pressure1.metreMaximum moting pressure (kPa / bar)100 metresMaximum working pressure (kPa / bar)1000 kPa / 10 barConnectionInlet2.metroMarifold construction1.01 CP / BSPManifoldPump isolation valvesPumpMunder of pumps2PumpMunder of pumps2Pump typeMultistage centrifugal (horizontal)Pump typeIndecting ConstructionMotor type uppInduction (current overload sensor)Motor typeInducting ConstructionPump typeInducting ConstructionPump typeInducting ConstructionMaxier type inductionStainless steelPump typeInducting ConstructionPump typeInducting ConstructionMotor type inductionInducting ConstructionPump typeInducting ConstructionPump typeInd		Glycerine filled pressure gauge	\checkmark
Performance Nominal head 3.1 bar Maximum head (closed valve) 4.4 bar Maximum flow rate 3 m²/h (per pump) Maximum flow rate 4.4 m²/h (per pump) Maximum flow rate 4.4 m²/h (per pump) Maximum static inlet pressure 1 metre Maximum ambient air temperature Max 4.0 °C Maximum morking pressure (kPa / bar) 1000 kPa / 10 bar Connection Inlet 2 " BSP Outlet 11/2 * BSP Outlet 11/2 * BSP Outlet 11/2 * BSP Pump Maifold construction Stainless steel Pump tope Multistage centrifugal (horizontal) Pump tope Multistage centrifugal (horizontal) Pump top Multistage centrifugal (horizonta		Pump check valve(s)	\checkmark
Maximum head (closed valve) 4.4 bar Maximum head (closed valve) 4.4 bar Nominal flow rate 3.m ⁵ /h (per pump) Maximum flow rate 4.4 m ³ /h (per pump) Maximum static inlet pressure 1.metre Maximum mobient air temperature 100 metres Maximum working pressure (kPa / bar) 1000 kPa / 10 bar Connections Inlet 2." BSP Outet 111/2" BSP Outet 3.mifold construction Stainless steel Pump isolation valves Full bore, lever Pump topumps 2 Pump topumps Pump body Multistage centrifugal (horizontal) Pump topumps 2 Intel stainless steel Impelier Stainless steel		BMS volt-free contacts	\checkmark
Nominal flow rate 3 m³/h (per pump) Maximum flow rate 4.4 m³/h (per pump) Minium static inlet pressure 1 metre Maximum aubient air temperature 0 mina 4 °C / Max 23 °C Maximum working pressure (kPa / bar) 1000 kPa / 10 bar Connection Inlet 2 °C Marifold construction 0 clutel 11/2 ° BSP Manifold Manifold construction Stainless steel Pump solation valves 2 °C Pump type Multistage centrifugal (horizontal) Pump type Stainless steel Impeller Stainless steel Pump type Multistage centrifugal (horizontal) Pump type Multistage centrifugal (horizontal) Pump type Stainless steel Impeller Stainless steel Torot type Induction (current overload sensor) Dity rating Continuous (S1) Electricat Power supply / phase / frequency Q30V / 1 / 50Hz Power consumption - P1 O.5 kW (per pump) S1 Outrent - full load 3.2 Amps (per pump) S2	Performance	Nominal head	3.1 bar
Maximum flow rate 4.4 m³/h (per pump) Minimum static inlet pressure 1 metre Maximum ambient air temperature 0 metres Maximum ambient air temperature Max 40 °C Vater temperature range Min 4 °C / Max 23 °C Maximum working pressure (kPa / bar) 1000 kPa / 10 bar Connections Inlet 2 ° BSP Outlet 1 1/2" BSP Manifold Manifold construction Stainless steel Pump isolation valves Full bore, lever Pump poly Number of pumps 2 Pump type Multistage centrifugal (horizontal) Pump body Stainless steel Impeller Stainless steel Motor type Induction (current overload sensor) Duty rating Continuous (S1) Electrical Power supply / phase / frequency 230 V / 1 / 50Hz Power consumption – P1 0.5 kW (per pump) Current – full load 3.2 Amps (per pump) Physical Enclosure protection IP44		Maximum head (closed valve)	4.4 bar
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 2 ° BSP Outlet 11/2" BSP Manifold Manifold construction Stainless steel Pump isolation valves Full bore, lever Pump tope fourps 2 Pump tope fourps 2 Machical seal EPDM / Carbon / Ceramic Mechanical seal EPDM / Carbon / Ceramic Motor type Induction (current overload sensor) Duty rating Continuous (S1) Electrical Power consumption – P1 0.5 kW (per pump) Current – full load 3.2 Amps (per pump) Physical Enclosure protection IP44		Nominal flow rate	3 m³/h (per pump)
Maximum static inlet pressure10 metresMaximum ambient air temperatureMax 40 °CWater temperature rangeMin 4 °C / Max 23 °CMaximum working pressure (kPa / bar)1000 kPa / 10 barConnectionsInlet2 ° BSPOutlet11/2 ° BSPManifold constructionStainless steelPump solation valvesFull bore, leverPump typeMuber of pumps2Pump typeMultistage centrifugal (horizontal)Pump typeIndection (current overload sensor)Puter trained sealEPDM / Carbon / CeramicMotor typeInduction (current overload sensor)ElectricalPower supply / phase / frequency230 V / 1 / S0HzPhysicalConsumption - P10.5 kW (per pump)PhysicalEnclosure protection1944Width650 mm1944		Maximum flow rate	4.4 m³/h (per pump)
Maximum ambient air temperatureMax 40 °CWater temperature rangeMin 4 °C / Max 23 °CMaximum working pressure (kPa / bar)1000 kPa / 10 barConnectionsInlet2 ° BSPOutlet11/2" BSPManifold constructionStainless steelPumpNumber of pumps2Pump typeMultistage centrifugal (horizontal)Pump typeMechanical sealImpellerStainless steelImpellerInduction (current overload sensor)Duty ratingContinuous (S1)ElectricalPower supply / phase / frequencyPhysicalConsumption - P1Current - full load3.2 Amps (per pump)PhysicalEnclosure protectionMax 40 °CIP44YithStomm		Minimum static inlet pressure	1 metre
Water temperature rangeMin 4 °C / Max 23 °CMaximum working pressure (kPa / bar)1000 kPa / 10 barConnectionsInlet2 " BSPOutlet11/2" BSPManifoldManifold constructionStainless steelPumpPump isolation valvesFull bore, leverPumpNumber of pumps2Pump typeMultistage centrifugal (horizontal)Pump typeMultistage centrifugal (horizontal)Pump typeIndection (current overload sensor)Pump typeInduction (current overload sensor)Duty ratingContinuous (S1)ElectricalPower supply / phase / frequency32 Amps (per pump)PhysicalEnclosure protection104PhysicalEnclosure protection1944Width650 mm1944		Maximum static inlet pressure	10 metres
Maximum working pressure (kPa / bar)1000 kPa / 10 barConnectionsInlet2" BSPOutlet11/2" BSPManifoldManifold constructionStainless steelPumpPump isolation valvesFull bore, leverPumpNumber of pumps2Pump typeMultistage centrifugal (horizontal)Pump bodyStainless steelIngellerIngellerMotor typeInduction (current overload sensor)Duty ratingContinuous (S1)ElectricalPower supply / phase / frequency3.2 Amps (per pump)PhysicalInclosure protection0.5 kW (per pump)PhysicalEnclosure protectionIP44Width650 mm104		Maximum ambient air temperature	Max 40 ℃
ConnectionsInlet2" BSPOutlet11/2" BSPManifoldManifold constructionPump isolation valvesFull bore, leverPumpNumber of pumpsPump typeMultistage centrifugal (horizontal)Pump bodyStainless steelImpellerStainless steelMotor typeInduction (current overload sensor)Duty ratingContinuous (S1)ElectricalPower supply / phase / frequencyPhysicalEnclosure protectionPhysicalEnclosure protectionMith650 mm		Water temperature range	Min 4 °C / Max 23 °C
Interference Interference Outlet 11/2" BSP Manifold Manifold construction Stainless steel Pump isolation valves Full bore, lever Pump Number of pumps 2 Pump type Multistage centrifugal (horizontal) Pump body Stainless steel Impeller Stainless steel Motor type Induction (current overload sensor) Duty rating Continuous (S1) Electrical Power consumption – P1 0.5 kW (per pump) Current – full load 3.2 Amps (per pump) Physical Enclosure protection IP44		Maximum working pressure (kPa / bar)	1000 kPa / 10 bar
Manifold Manifold construction Stainless steel Pump isolation valves Full bore, lever Pump Number of pumps 2 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 0.5 kW (per pump) Current – full load 3.2 Amps (per pump) Physical Enclosure protection IP44	Connections	Inlet	2" BSP
PumpPump isolation valvesFull bore, leverPumpNumber of pumps2Pump typeMultistage centrifugal (horizontal)Pump bodyStainless steelImpellerStainless steelMechanical sealEPDM / Carbon / CeramicMotor typeInduction (current overload sensor)Duty ratingContinuous (S1)ElectricalPower consumption – P10.5 kW (per pump)PhysicalEnclosure protection3.2 Amps (per pump)PhysicalKith650 mm		Outlet	11/2" BSP
Pump Number of pumps 2 Pump type Multistage centrifugal (horizontal) Pump body Stainless steel Pump ler 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 0.5 kW (per pump) Current - full load 3.2 Amps (per pump) Physical Enclosure protection IP44	Manifold	Manifold construction	Stainless steel
Pump typeMultistage centrifugal (horizontal)Pump bodyStainless steelImpellerStainless steelMechanical sealEPDM / Carbon / CeramicMotor typeInduction (current overload sensor)Duty ratingContinuous (S1)ElectricalPower supply / phase / frequency230 V / 1 / 50HzPower consumption - P10.5 kW (per pump)Current - full load3.2 Amps (per pump)PhysicalEnclosure protectionIP44Width650 mm		Pump isolation valves	Full bore, lever
Pump bodyStainless steelImpellerStainless steelMechanical sealEPDM / Carbon / CeramicMotor typeInduction (current overload sensor)Duty ratingContinuous (S1)ElectricalPower supply / phase / frequency230 V / 1 / 50HzPower consumption - P10.5 kW (per pump)Current - full load3.2 Amps (per pump)PhysicalEnclosure protectionIP44Width650 mm	Pump	Number of pumps	2
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 0.5 kW (per pump) Current - full load 3.2 Amps (per pump) Physical Enclosure protection Width 650 mm		Pump type	Multistage centrifugal (horizontal)
Mechanical seal EPDM / Carbon / Ceramic Motor type Induction (current overload sensor) Duty rating Continuous (S1) Electrical Power supply / phase / frequency 230 V / 1 / 50 Hz Power consumption – P1 0.5 kW (per pump) Current – full load 3.2 Amps (per pump) Physical Enclosure protection IP44 Width 650 mm		Pump body	Stainless steel
Motor type Induction (current overload sensor) Duty rating Continuous (S1) Electrical Power supply / phase / frequency 230 V / 1 / 50Hz Power consumption – P1 0.5 kW (per pump) Current – full load 3.2 Amps (per pump) Physical Enclosure protection Width 650 mm		Impeller	Stainless steel
Duty rating Continuous (S1) Electrical Power supply / phase / frequency 230 V / 1 / 50 Hz Power consumption – P1 0.5 kW (per pump) Current – full load 3.2 Amps (per pump) Physical Enclosure protection IP44 Width 650 mm		Mechanical seal	EPDM / Carbon / Ceramic
Electrical Power supply / phase / frequency 230 V / 1 / 50Hz Power consumption – P1 0.5 kW (per pump) Current – full load 3.2 Amps (per pump) Physical Enclosure protection Width 650 mm		Motor type	Induction (current overload sensor)
Power consumption – P1 0.5 kW (per pump) Current – full load 3.2 Amps (per pump) Physical Enclosure protection IP44 Width 650 mm		Duty rating	Continuous (S1)
Current - full load 3.2 Amps (per pump) Physical Enclosure protection IP44 Width 650 mm	Electrical	Power supply / phase / frequency	230 V / 1 / 50Hz
Physical Enclosure protection IP44 Width 650 mm		Power consumption – P1	0.5 kW (per pump)
Width 650 mm		Current – full load	3.2 Amps (per pump)
	Physical	Enclosure protection	IP44
		Width	650 mm
Depth 650 mm		Depth	650 mm
Height 1200 mm		Height	1200 mm
Weight 64 Kg		Weight	64 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.