

## AQUABOOST

### iBolt 03 Range – Twin Pump Booster Set

The Aquaboost iBolt range of twin pump booster sets features two horizontal multistage pumps controlled by air-cooled variable speed frequency inverters mounted directly on the pump motors.

The twin pump 03 range includes 0304, 0306 and 0308 pump variants capable of delivering flow rates up to 5.0 m<sup>3</sup>/hour (per pump) and capable of producing head pressures of up to 9.0 bar.



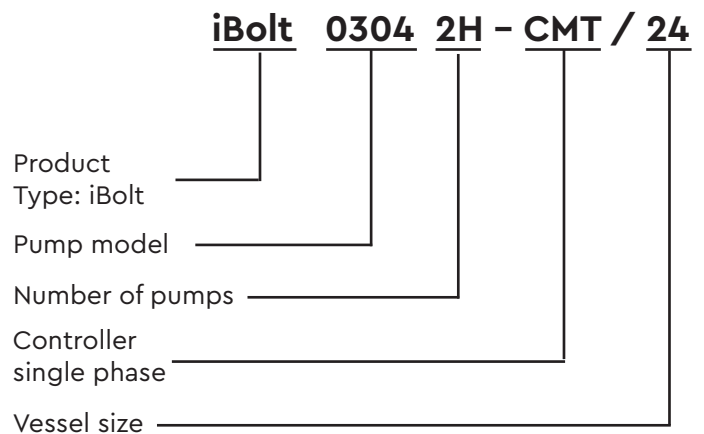
#### Features

- Flow rates up to 10.0 m<sup>3</sup>/h
- Head pressure up to 9.0 bar
- Dry run protection
- 304 stainless steel pumps
- 304/316 stainless steel manifold assembly
- Nickel plated WRAS approved ball valves
- Union fittings on suction and discharge
- WRAS approved 24 litre pressure vessel
- Air cooled inverters
- Glycerine filled pressure gauge
- Powder coated base plate
- BMS volt free contacts

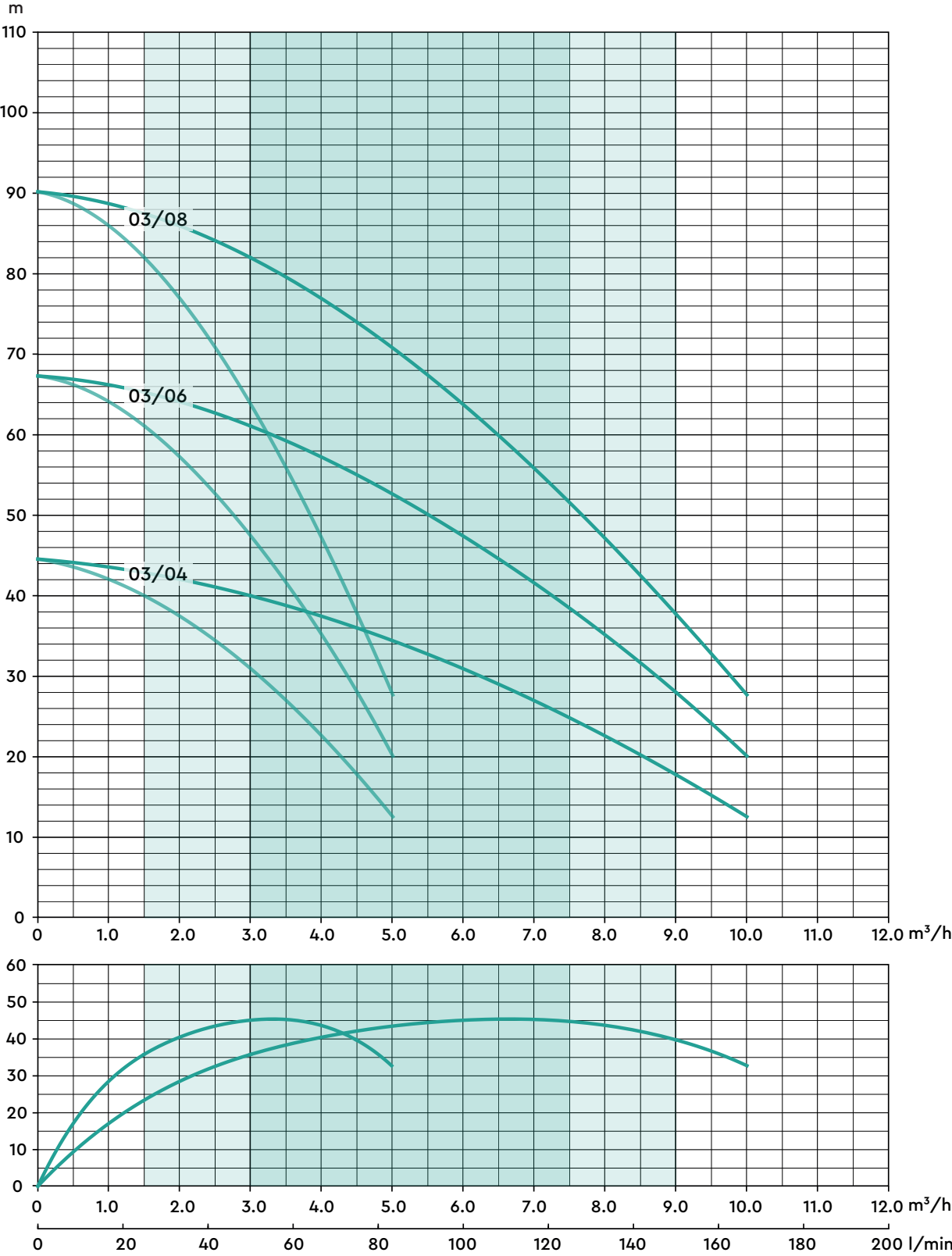
#### Application

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

#### Product Code Structure



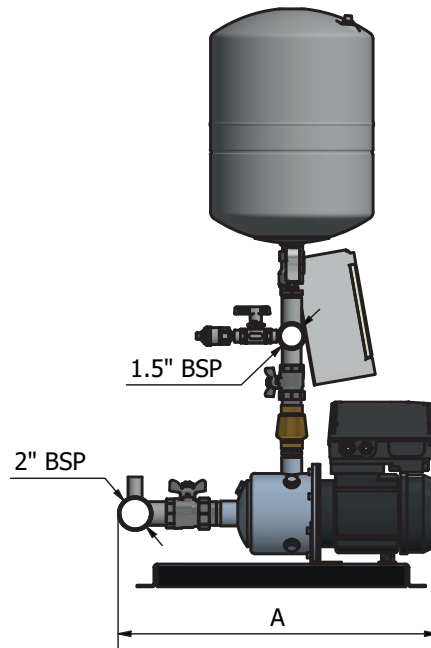
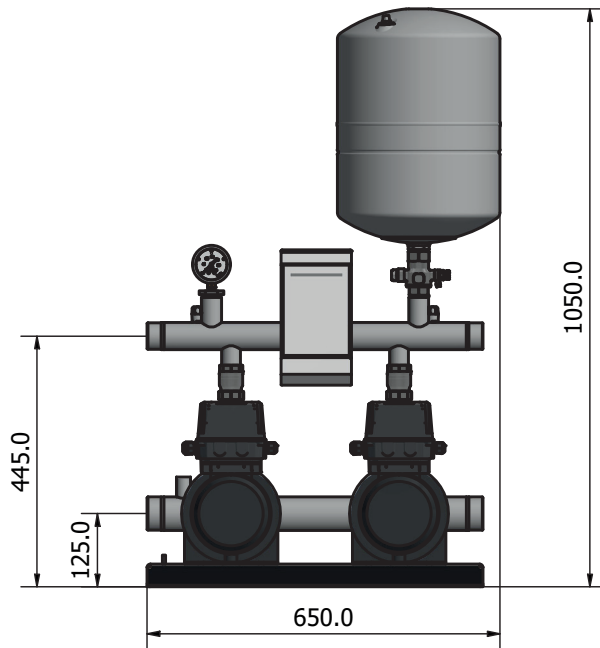
## Performance Characteristics iBolt 03 2H-CMT/24



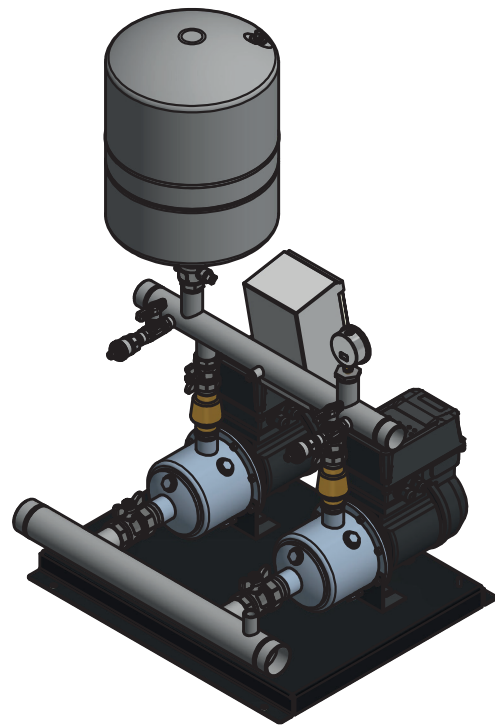
## Technical Specification iBolt 03 2H-CMT/24

| Model       |                                  | iBolt 0304 2H-CMT/24<br>47353                           | iBolt 0306 2H-CMT/24<br>47354 | iBolt 0308 2H-CMT/24<br>47390 |
|-------------|----------------------------------|---|-------------------------------|-------------------------------|
| General     | Warranty                         | 2 years   |                               |                               |
|             | Approvals                        | CE  |                               |                               |
| Features    | Pump control system              | Variable speed (via pressure transducer)                |                               |                               |
|             | Pump control mode                | Duty / Standby or Duty / Assist                         |                               |                               |
|             | Dry run protection               | ✓   | ✓                             | ✓                             |
|             | Glycerine filled pressure gauge  | ✓   | ✓                             | ✓                             |
|             | Pump check valve(s)              | ✓   | ✓                             | ✓                             |
|             | BMS volt-free contacts           | ✓   | ✓                             | ✓                             |
|             | Pressure vessel                  | 24 litres   |                               |                               |
|             | Noise                            | <70 dB(A)   |                               |                               |
| Performance | Nominal head                     | 3.0 bar   | 4.7 bar                       | 6.4 bar                       |
|             | Maximum head (closed valve)      | 4.4 bar   | 6.7 bar                       | 9.0 bar                       |
|             | Nominal flow rate                | 6.0 m <sup>3</sup> /h (3.0 m <sup>3</sup> /h per pump)  |                               |                               |
|             | Maximum flow rate                | 10.0 m <sup>3</sup> /h (5.0 m <sup>3</sup> /h per pump) |                               |                               |
|             | Minimum static inlet pressure    | 0.1 bar   |                               |                               |
|             | Maximum static inlet pressure    | 1 bar   |                               |                               |
|             | Maximum static outlet pressure   | 1.3 bar   |                               |                               |
|             | Maximum ambient air temperature  | 40 °C   |                               |                               |
| Connections | Inlet                            | 2"  |                               |                               |
|             | Outlet                           | 1 ½"  |                               |                               |
| Manifold    | Manifold construction            | Stainless steel   |                               |                               |
|             | Pump isolation valves            | Full bore, lever, WRAS Approved                         |                               |                               |
| Pump        | Pump type                        | Centrifugal multistage                                  |                               |                               |
|             | Pump body                        | Stainless steel   |                               |                               |
|             | Impeller                         | Stainless steel   |                               |                               |
|             | Mechanical seal                  | EPDM / Carbon / Ceramic                                 |                               |                               |
|             | Motor type                       | Induction (current overload sensor)                     |                               |                               |
|             | Duty rating                      | Continuous  |                               |                               |
| Electrical  | Power supply / phase / frequency | 230 V a.c./1/50 Hz                                      |                               |                               |
|             | Current – full load              | 5.8 Amps  | 7.6 Amps                      | 10.6 Amps                     |
| Physical    | Enclosure protection             | IP55  |                               |                               |
|             | Width                            | 650 mm  |                               |                               |
|             | Depth                            | 570 mm  | 620 mm                        | 705 mm                        |
|             | Height                           | 1050 mm   |                               |                               |
|             | Weight                           | 49 Kg   | 52 Kg                         | 61 Kg                         |

## Dimensions iBolt 03 2H-CMT/24



| Dimension Table |        |
|-----------------|--------|
| Pump Type       | A (mm) |
| 0304            | 570    |
| 0306            | 620    |
| 0308            | 705    |



### Scan QR Code for:

- Quick install information
- Operation & Maintenance manuals
- Wiring diagram
- Troubleshooting guides



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

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