

# Flowtech Flowpac IN

## Combined Pump & Tank System

### IN1-8084-601-M-MAB

The IN1-8084-601-M-MAB booster set is complete with a 601 L GRP (501 L actual) tank, providing backflow protection to fluid category 4 or 5. This booster set features 1 stainless steel pump submerged in the tank. The pump is operated by our advanced variable speed controller.

AB (category 5) and HS (half split) models are available.



### Features

- Heads up to 8.4 bar and flow rates up to 4.8 m<sup>3</sup>/h
- 601 litre cold water storage capacity
- Compact, space saving design
- Fully WRAS-approved product
- Very quiet operation
- Air cooled inverters
- Continuously rated operation (S1)
- Easy installation
- 25 mm cold water tank thermal insulation
- BMS volt-free contacts
- External enable on/off
- Hand/off/auto switches
- Integral low water cut-out
- 8 litre pressure vessel included

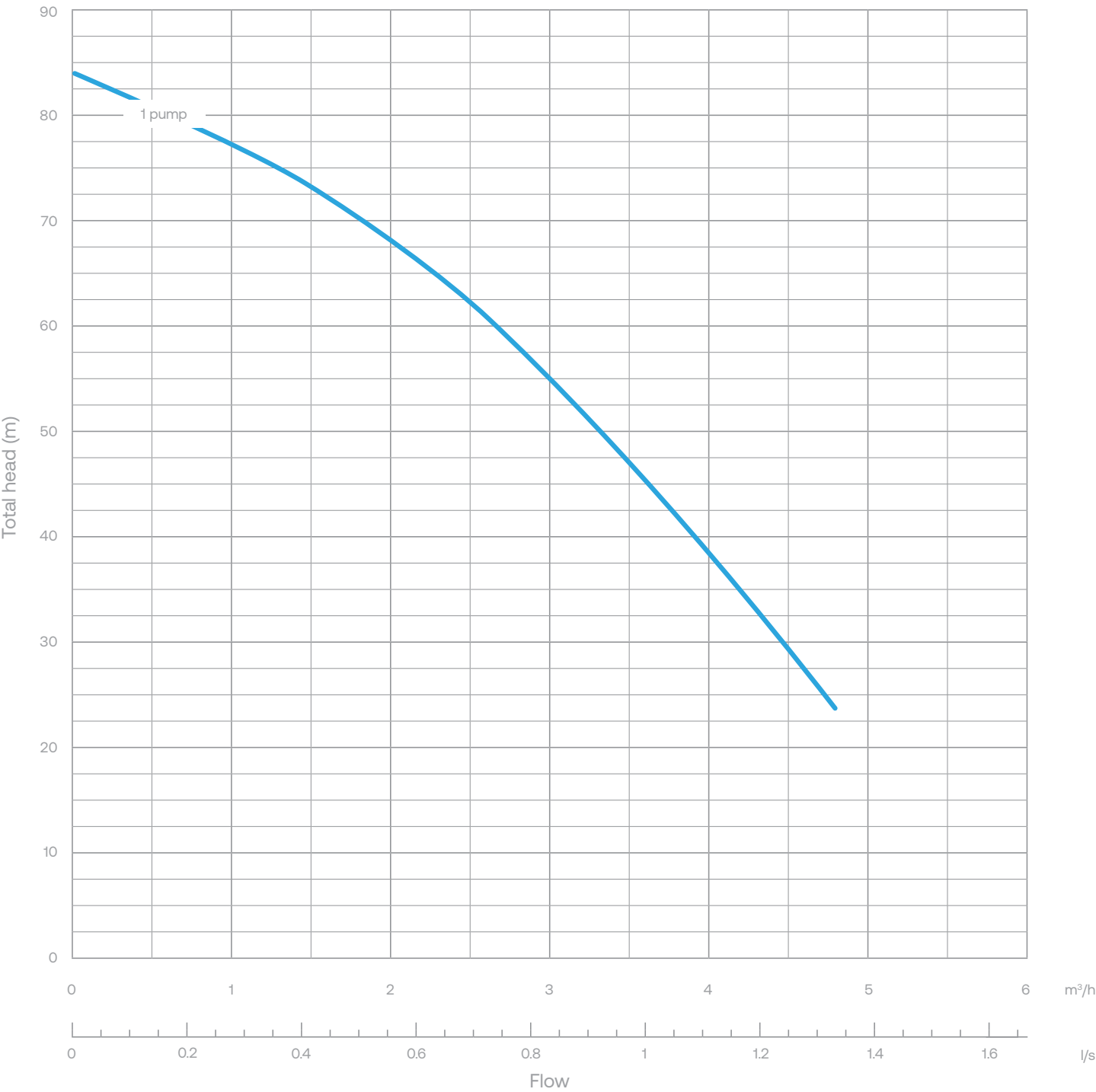
### Application

- This product is designed to boost cold water pressure and flow in a range of domestic, commercial, and industrial applications.
- Extremely quiet operation and is the perfect solution for any restriction with a footprint inside a plant room or property.

### Product Code Structure: E.g.: IN1-8084-601-M-MAB

|                 | IN | 1 | 8084 | 601 | M | MAB |
|-----------------|----|---|------|-----|---|-----|
| Product prefix  |    |   |      |     |   |     |
| Number of pumps |    |   |      |     |   |     |
| Pump model      |    |   |      |     |   |     |
| Tank size       |    |   |      |     |   |     |
| Single phase    |    |   |      |     |   |     |
| Controller type |    |   |      |     |   |     |

Performance Characteristics IN1-8084-601-M-MAB

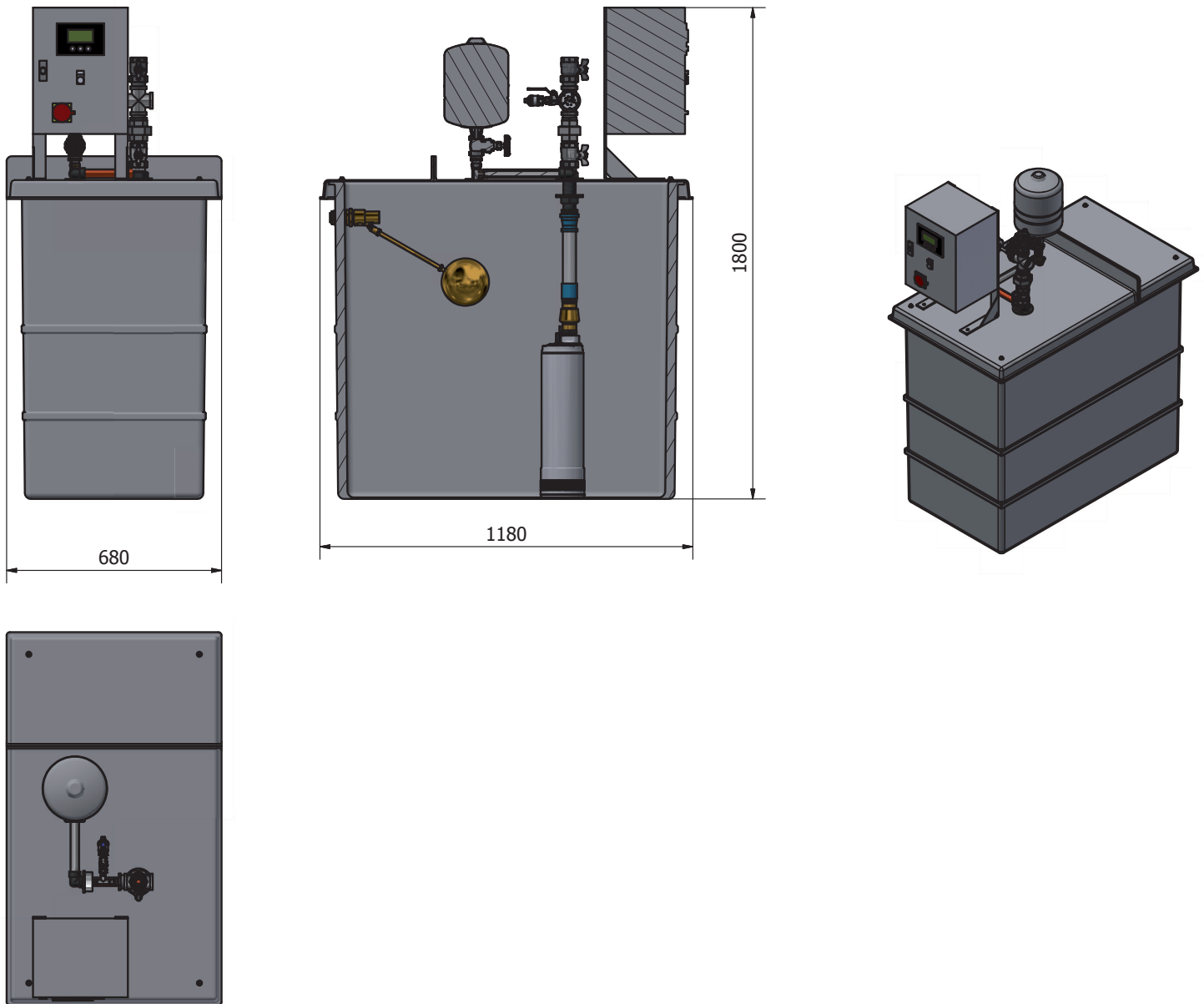


Performance curve is in accordance with ISO 9906:2012 Grade 3B Tolerances.  
Specifications and illustrations are subject to revision without notice.

## Technical Specification IN1-8084-601-M-MAB

|             |                                  | IN1-8084-601-M-MAB            |
|-------------|----------------------------------|-------------------------------|
| General     | Warranty                         | 2 years                       |
|             | Conformity certification         | UKCA, CE                      |
| Features    | Dry run protection               | ✓                             |
|             | Glycerine filled pressure gauge  | ✓                             |
|             | Pump check valve(s)              | ✓                             |
|             | BMS volt-free contacts           | ✓                             |
| Performance | Nominal head                     | 6.3 bar                       |
|             | Maximum head (closed valve)      | 8.4 bar                       |
|             | Nominal flow rate                | 2.4 m³/h                      |
|             | Maximum flow rate                | 4.8 m³/h                      |
|             | Maximum static inlet pressure    | 10 metres                     |
|             | Maximum system temperature       | 23 °C                         |
| Connections | Inlet                            | 1" BSP                        |
|             | Outlet                           | 1 ¼" BSP                      |
|             | Overflow outlet                  | 2" BSP                        |
|             | Drain outlet                     | 1" BSP                        |
| Manifold    | Pump isolation valves            | Full bore, lever              |
| Pump        | Number of pumps                  | 1                             |
|             | Pump type                        | Borehole pump (submersible)   |
|             | Pump body                        | Stainless steel               |
|             | Impeller                         | Stainless steel               |
|             | Duty rating                      | Continuous (S1)               |
| Water tank  | Nominal water tank size (litres) | 601 litres                    |
|             | Usable water capacity (litres)   | 501 litres                    |
|             | Float valve type                 | Equilibrium                   |
|             | Water tank fill rate             | Up to 60 l/min                |
|             | Water tank air gap               | Type AF/AG                    |
|             | Fluid category                   | CAT 4/CAT 5                   |
|             | Water tank construction          | Reinforced, pre-insulated GRP |
|             | Water tank base                  | Encapsulated marine ply       |
| Electrical  | Power supply / phase / frequency | 230 V / 1 / 50 Hz             |
|             | Power consumption                | 1.1 kW (per pump)             |
|             | Current - full load              | 7.3 Amps (per pump)           |
| Physical    | Enclosure protection             | IP44                          |
|             | Width                            | 680 mm                        |
|             | Depth                            | 1180 mm                       |
|             | Height                           | 1800 mm                       |
|             | Weight                           | 98 kg                         |
|             | Weight (filled)                  | 598 kg                        |

## Dimensions IN1-8084-601-M-MAB



Flowtech Ltd reserves the right to amend specifications without notice.

Flowtech Ltd, Unit A, Quedgeley West Business Park, Gloucester GL2 4PA  
 Tel: +44 (0) 3332 009835 Email: [info@flowtech.org.uk](mailto:info@flowtech.org.uk)  
[flowtech.org.uk](http://flowtech.org.uk)