

# BOSS™

## MULTI V BOOSTERS



# INTRODUCTION

A new range of one or two pump booster sets available exclusively through BSS, the BOSS™ MULTI V Booster offers a number of technical advantages and is suitable for a wide variety of system requirements. Supplied as complete units they provide easy installation and accurate supply with automatic flow controls.

## Features & Benefits

- ▶ Duty/assist or duty/standby modes
- ▶ Easy to read 2 line back lit LCD display
- ▶ Easy setup
- ▶ Auto rotation, hour run counter, alarm counter
- ▶ Stainless steel pumps and pipe work
- ▶ 2 year guarantee (from date of manufacture)
- ▶ WRAS approved components
- ▶ Dry running protection
- ▶ Duty range 0.4 l/s to 7 l/s - 7.2 bar max static head
- ▶ Manifold connection either 2"/1¼" BSP
- ▶ Vessel connection ¾" BSP



| BSS Part Number | Booster Description               |
|-----------------|-----------------------------------|
| 80460165        | BOSS™ 1MULTI V204/EC 1PH VARIABLE |
| 80460176        | BOSS™ 1MULTI V206/EC 1PH VARIABLE |
| 80460187        | BOSS™ 1MULTI V404/EC 1PH VARIABLE |
| 80460198        | BOSS™ 1MULTI V406/EC 1PH VARIABLE |
| 80460206        | BOSS™ 1MULTI V804/EC 1PH VARIABLE |
| 80460217        | BOSS™ 1MULTI V806/EC 1PH VARIABLE |
| 80460228        | BOSS™ 2MULTI V204/EC 1PH VARIABLE |
| 80460239        | BOSS™ 2MULTI V206/EC 1PH VARIABLE |
| 80460250        | BOSS™ 2MULTI V404/EC 1PH VARIABLE |
| 80460261        | BOSS™ 2MULTI V406/EC 1PH VARIABLE |
| 80460272        | BOSS™ 2MULTI V804/EC 1PH VARIABLE |
| 80460283        | BOSS™ 2MULTI V806/EC 1PH VARIABLE |

## BOSS Technical Team

delivering outstanding technical service & support

**BSS Industrial has an established technical support team offering specialist advice by phone or in person for specific heating applications and solutions.**

For more information or a quote, please contact the technical support team

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**Description**

All units are fully automatic self contained pump sets designed to provide reliable water supplies. The sets are quiet running, making them suitable for use in hotels and commercial buildings. The control systems are based on proven electronic technology giving reliability and simple on site adjustment. Sets are manufactured with either one or two pumps. The pumps, manifolds and controls are carefully arranged on a steel base frame to ensure that floorspace used is minimal, yet maintenance is easily undertaken.

**Operational Cycle**

System pressure is maintained by a hydraulic accumulator and monitored by integrated pressure sensor, keeping the system ready for instant draw off. When demand causes pressure to drop the duty pump starts, and will ramp up in speed to match the system demand. The pump will continue to run, varying its speed to match the varying demand of the system. If the demand exceeds capacity of the duty pump the assist pump will ramp up in speed ensuring duty point is maintained. When the system demand reduces to zero, the pumps will ramp down until they stop. If the duty pump should fail, the standby will start and run until pressure is restored. The duty pump is rotated between pumps after each operational cycle to ensure even wear. (on two pump sets only)

**Specification**

**Pumps**

Vertical multi stage design of stainless steel construction, WRAS approved.

**Motor**

Totally enclosed fan cooled (TEFC), IP55, class F, 230 volts, three phase, direct on line (DOL) starting via pipe mounted inverter.

**Inverter**

Each pump has a dedicated pipe mounted inverter, giving maximum reliability and flexibility.

**Pipe Work**

304 stainless steel, sized in accordance with the overall hydraulic performance of the unit.

**Valves**

BOSS™ nickel-plated brass full bore isolation valves and non-return valves.

**Accumulator**

1 x 8 litre MWP 8 bar, WRAS approved c/w through flow shut-off valve for testing and draining.

**Control Panel**

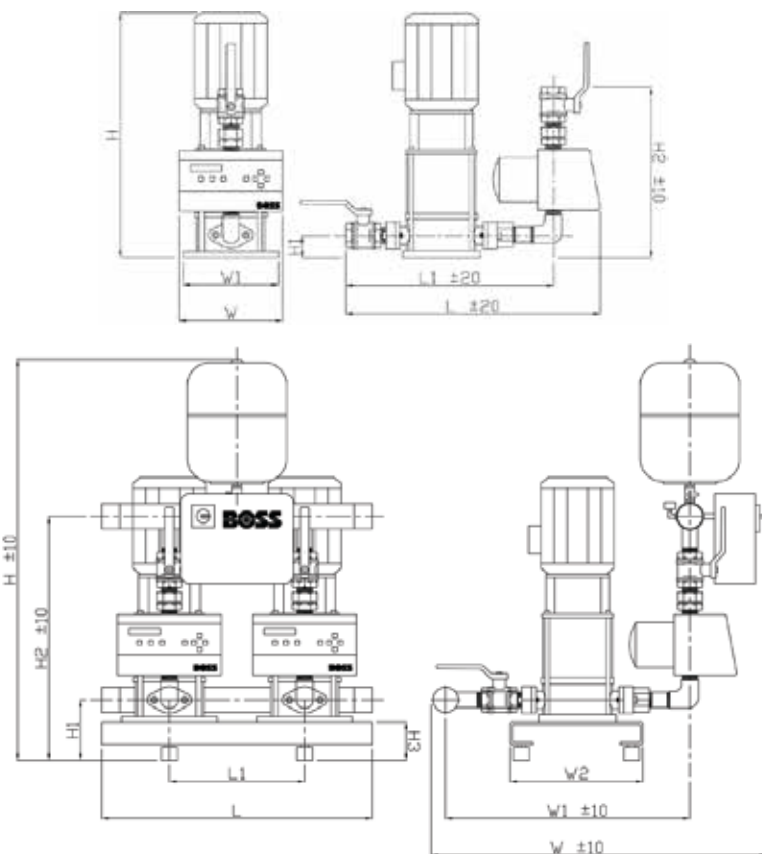
230v termination box with MCB protection per pump all mounted on base frame with anti-vibration mounts along with alarms as stated below.

**Inverter Alarm**

Dry running, overcurrent, high water temp, frost protection, short circuit, over and under voltage.

**Display**

System pressure, set point.



| DIMENSIONS - BOSS™ 1 204, 206, 404, 406 MULTI V EC           |     |    |     |
|--|-----|----|-----|
| W  | 230 | H  | 545 |
| W1   | 212 | H1 | 50  |
| L  | 570 | H2 | 380 |
| L1   | 462 |    |     |
| DIMENSIONS - BOSS™ 1 804, 806 MULTI V EC                     |     |    |     |
| W  | 230 | H  | 742 |
| W1   | 212 | H1 | 80  |
| L  | 570 |    |     |
| L1   | 462 |    |     |
| DIMENSIONS - BOSS™ 2 MULTI V 204, 206, 404, 406, 804, 806 EC |     |    |     |
| W  | 745 | H  | 895 |
| W1   | 540 | H1 | 135 |
| W2   | 295 | H2 | 545 |
| L  | 600 | H3 | 85  |
| L1   | 300 |    |     |

**AMS Aftersales**

Specialists in Pump Aftersales & Spares

BSS offer a comprehensive range of aftersales services through the dedicated AMS Aftersales team based in Nottingham.

**Commissioning**

AMS Aftersales can arrange the commissioning of pressurisation products as part of any project. Customers can access this service by contacting AMS direct or via any BSS branch. Once commissioning has taken place, the AMS database will record the details.

**Servicing and Service Contracts**

For peace of mind and to help ensure the maximum efficiency and safety of customers installed pumping and pressurisation equipment, AMS has a comprehensive range of service packages ranging from routine annual checks to full extended warranty options.

For more information or a quote, please contact the AMS Aftersales team

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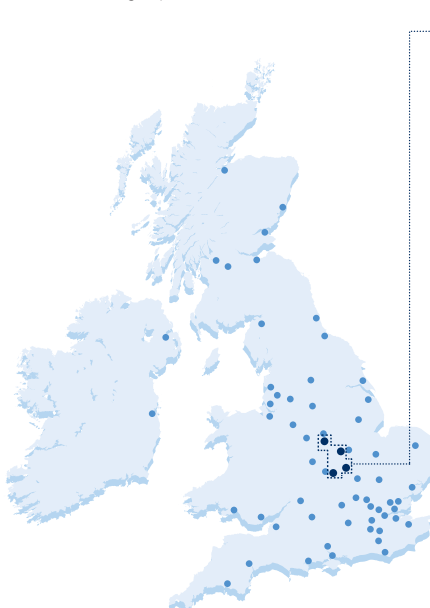
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