



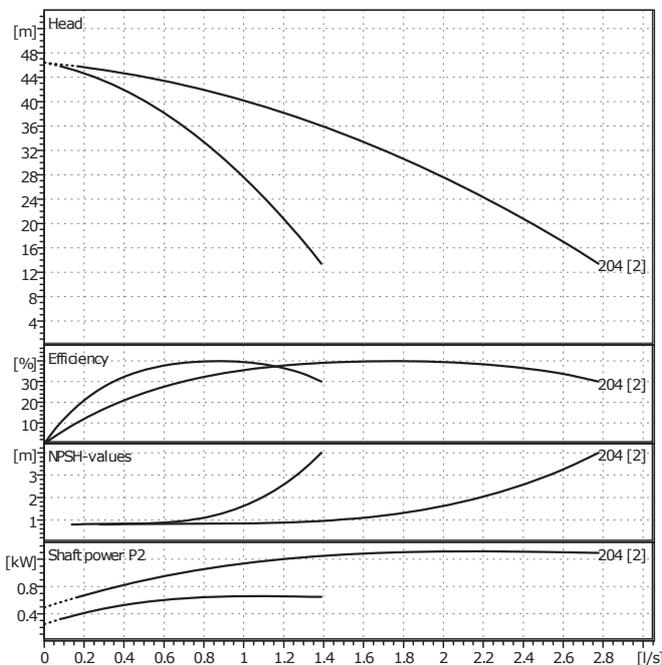
**BOSS-2 MULTI V  
204/EC-1PH  
80460228**

Customer BSS Project  
 Customer no. Project no.  
 Contact Location  
 Care of Date

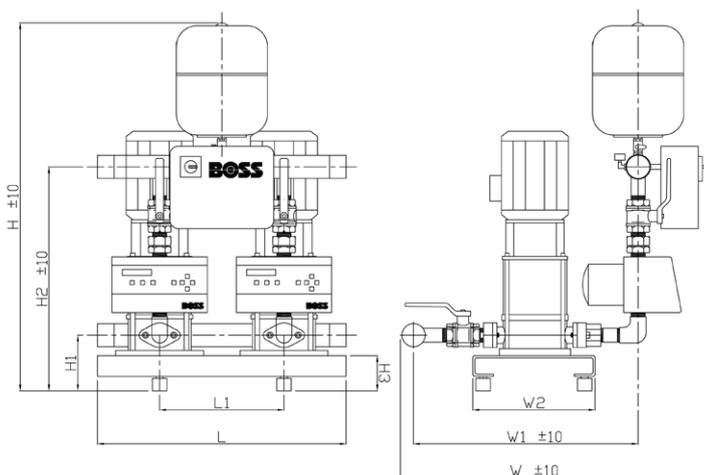
| Item | Qty. | Description  | Price gr. | Price [GBP] | Price [GBP] |
|------|------|--|-----------|-------------|-------------|
|      |      | <p><b>BOSS-2 MULTI V 204/EC-1PH<br/>80460228</b></p> <p><b>Description:</b><br/>Fully automatic self contained two pump booster set designed to provide reliable constant pressure water supply. The set is quiet running, making it suitable for use in domestic, commercial and industrial applications. The control system is based on proven electronic technology giving reliability and simple on site adjustment.</p> <p><b>Accessories:</b></p> <p><b>Commissioning</b><br/>80418417 - First item on site<br/>80418428 - Subsequent items on site</p> <p>80460357 - BOSS CAVSA Valve</p> <p><b>Operational Cycle:</b><br/>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 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 assist pump will start and run until pressure is restored. The Duty pump is rotated between pumps after each operational cycle to ensure even wear.</p> <p><b>Specification:</b><br/> <b>Pumps:</b> Vertical multi stage design of stainless steel construction, WRAS approved.<br/> <b>Motor:</b> Totally enclosed fan cooled (TEFC), IP55, class F, 230 volts, three phase, direct on line (DOL) starting via pipe mounted inverter. IE2 Motor Efficiency.<br/> <b>Inverter:</b> Each pump has a dedicated pipe mounted inverter, giving maximum reliability and flexibility.<br/> <b>Pipe Work:</b> 304 stainless steel, sized in accordance with the overall hydraulic performance of the unit.<br/> <b>Valves:</b> Nickel-plated brass full flow isolation and non-return valves.<br/> <b>Accumulator:</b> 1 x 8 litre MWP 8 bar, WRAS approved c/w through flow shutoff valve for testing and draining.<br/> <b>Control Panel:</b> 230V Termination box with protection per pump all mounted on base frame with anti-vibration mounts.<br/> <b>Inverter Alarms:</b> Dry running, over-current, high water temp, frost protection, short circuit, over and under voltage.<br/> <b>Display:</b> System pressure, set point</p> |           |             |             |

Customer BSS  
Customer no.  
Contact  
Care of

Project  
Project no.  
Position no.  
Location  
Date



Optimum selection band (but not limited to):  
Flow: 0.1 - 2.4  
Head: 20 - 40



Requested data

|                     |                          |
|---------------------|--------------------------|
| Flow                | 0 l/s                    |
| Head                | 0 m                      |
| Fluid               | Water, pure              |
| Fluid temperature   | 20 c                     |
| Density             | 998.3 kg/m <sup>3</sup>  |
| Kinematic viscosity | 1.005 mm <sup>2</sup> /s |
| Vapor pressure      | 2.337 kPa                |

Pump data

|                        |                           |
|------------------------|---------------------------|
| Make                   | BOSS                      |
| Type                   | BOSS-2 MULTI V 204/EC-1PH |
| Design                 | Booster Set               |
| Pumpe type             | Multi-pump set            |
| Pressure rating        | PN10                      |
| Min. fluid temperature | 0 C                       |
| Max. fluid temperature | 40 C                      |

Hydraulic data (duty point)

|                |            |
|----------------|------------|
| Flow           | 0 l/s      |
| Head           | 0 m        |
| Speed          | 2900 1/min |
| Shaft power P2 | kW         |
| NPSH           | m          |

Materials / Shaft seal

|                 |                |
|-----------------|----------------|
| Housing         | 1.4301         |
| Shaft           | 1.4301         |
| Impeller        | 1.4301         |
| Stage chambers  | 1.4301         |
| Mechanical seal | Carbon/ceramic |
| Unit pipework   | 1.4301         |

|                |        |
|----------------|--------|
| Suction side   | 2" BSP |
| Discharge side | 2" BSP |
| Weight         | 85 kg  |

Electrical Data

|                                     |               |
|-------------------------------------|---------------|
| Rated power P2                      | 1.5 kW        |
| Nominal speed                       | 2900 1/min    |
| Rated voltage                       | ~230 V, 50 Hz |
| Max.current/Min.protection          | 10.0/32.0 A   |
| Degree of protection                | IP55          |
| Permitted voltage tolerance +/- 10% |               |

|    |     |    |     |    |     |
|----|-----|----|-----|----|-----|
| H  | 995 | H1 | 120 | H2 | 580 |
| H3 | 75  | L  | 600 | L1 | 300 |
| W  | 750 | W1 | 500 | W2 | 300 |

Item no. of standard version 29990348



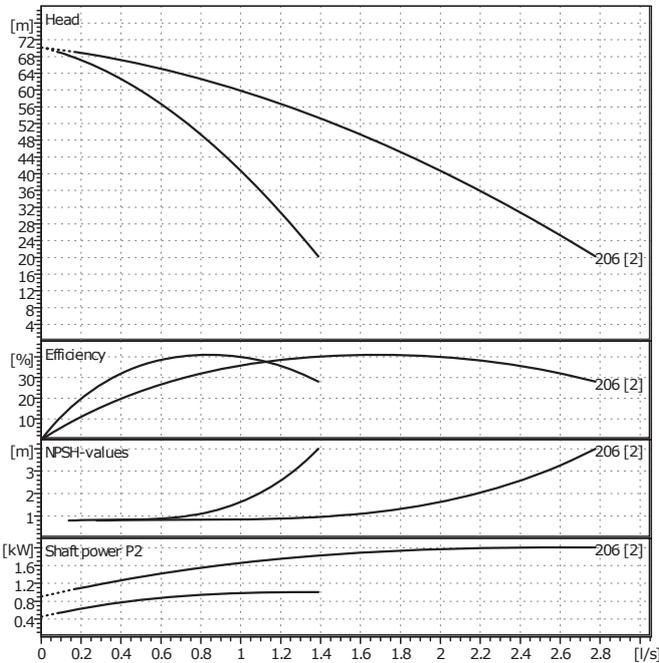
**BOSS-2 MULTI V  
206/EC-1PH  
80460239**

|              |     |             |  |
|--------------|-----|-------------|--|
| Customer     | BSS | Project     |  |
| Customer no. |     | Project no. |  |
| Contact      |     | Location    |  |
| Care of      |     | Date        |  |

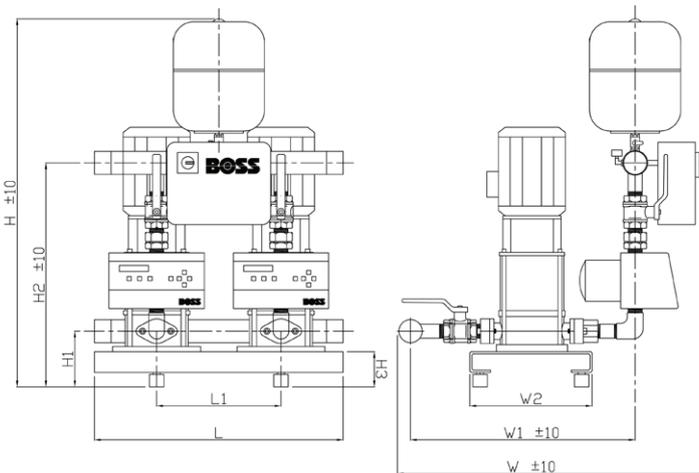
| Item | Qty. | Description   | Price gr. | Price [GBP] | Price [GBP] |
|------|------|---|-----------|-------------|-------------|
|      |      | <p><b>BOSS-2 MULTI V 206/EC-1PH<br/>80460239</b></p> <p><b>Description:</b><br/>Fully automatic self contained two pump booster set designed to provide reliable constant pressure water supply. The set is quiet running, making it suitable for use in domestic, commercial and industrial applications. The control system is based on proven electronic technology giving reliability and simple on site adjustment.</p> <p><b>Accessories:</b></p> <p><b>Commissioning</b><br/>80418417 - First item on site<br/>80418428 - Subsequent items on site</p> <p>80460357 - BOSS CAVSA Valve</p> <p><b>Operational Cycle:</b><br/>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 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 assist pump will start and run until pressure is restored. The Duty pump is rotated between pumps after each operational cycle to ensure even wear.</p> <p><b>Specification:</b><br/><b>Pumps:</b> Vertical multi stage design of stainless steel construction, WRAS approved.<br/><b>Motor:</b> Totally enclosed fan cooled (TEFC), IP55, class F, 230 volts, three phase, direct on line (DOL) starting via pipe mounted inverter. IE2 Motor Efficiency.<br/><b>Inverter:</b> Each pump has a dedicated pipe mounted inverter, giving maximum reliability and flexibility.<br/><b>Pipe Work:</b> 304 stainless steel, sized in accordance with the overall hydraulic performance of the unit.<br/><b>Valves:</b> Nickel-plated brass full flow isolation and non-return valves.<br/><b>Accumulator:</b> 1 x 8 litre MWP 8 bar, WRAS approved c/w through flow shutoff valve for testing and draining.<br/><b>Control Panel:</b> 230V Termination box with protection per pump all mounted on base frame with anti-vibration mounts.<br/><b>Inverter Alarms:</b> Dry running, over-current, high water temp, frost protection, short circuit, over and under voltage.<br/><b>Display:</b> System pressure, set point</p> |           |             |             |

Customer BSS  
 Customer no.  
 Contact  
 Care of

Project  
 Project no.  
 Position no.  
 Location  
 Date



Optimum selection band (but not limited to):  
 Flow: 0.1 - 2.6  
 Head: 24 - 60



Requested data

|                     |                          |
|---------------------|--------------------------|
| Flow                | 0 l/s                    |
| Head                | 0 m                      |
| Fluid               | Water, pure              |
| Fluid temperature   | 20 c                     |
| Density             | 998.3 kg/m <sup>3</sup>  |
| Kinematic viscosity | 1.005 mm <sup>2</sup> /s |
| Vapor pressure      | 2.337 kPa                |

Pump data

|                        |                           |
|------------------------|---------------------------|
| Make                   | BOSS                      |
| Type                   | BOSS-2 MULTI V 206/EC-1PH |
| Design                 | Booster Set               |
| Pumpe type             | Multi-pump set            |
| Pressure rating        | PN10                      |
| Min. fluid temperature | 0 C                       |
| Max. fluid temperature | 40 C                      |

Hydraulic data (duty point)

|                |            |
|----------------|------------|
| Flow           | 0 l/s      |
| Head           | 0 m        |
| Speed          | 2900 1/min |
| Shaft power P2 | kW         |
| NPSH           | m          |

Materials / Shaft seal

|                 |                |
|-----------------|----------------|
| Housing         | 1.4301         |
| Shaft           | 1.4301         |
| Impeller        | 1.4301         |
| Stage chambers  | 1.4301         |
| Mechanical seal | Carbon/ceramic |
| Unit pipework   | 1.4301         |

|                |        |
|----------------|--------|
| Suction side   | 2" BSP |
| Discharge side | 2" BSP |
| Weight         | 85 kg  |

Electrical Data

|                                     |               |
|-------------------------------------|---------------|
| Rated power P2                      | 2.2 kW        |
| Nominal speed                       | 2900 1/min    |
| Rated voltage                       | ~230 V, 50 Hz |
| Max.current/Min.protection          | 13.0/32.0 A   |
| Degree of protection                | IP55          |
| Permitted voltage tolerance +/- 10% |               |

|    |     |    |     |    |     |
|----|-----|----|-----|----|-----|
| H  | 995 | H1 | 120 | H2 | 580 |
| H3 | 75  | L  | 600 | L1 | 300 |
| W  | 750 | W1 | 500 | W2 | 300 |

Item no. of standard version 29990349



**BOSS-2 MULTI V  
404/EC-1PH  
80460250**

Customer BSS Project  
 Customer no. Project no.  
 Contact Location  
 Care of Date

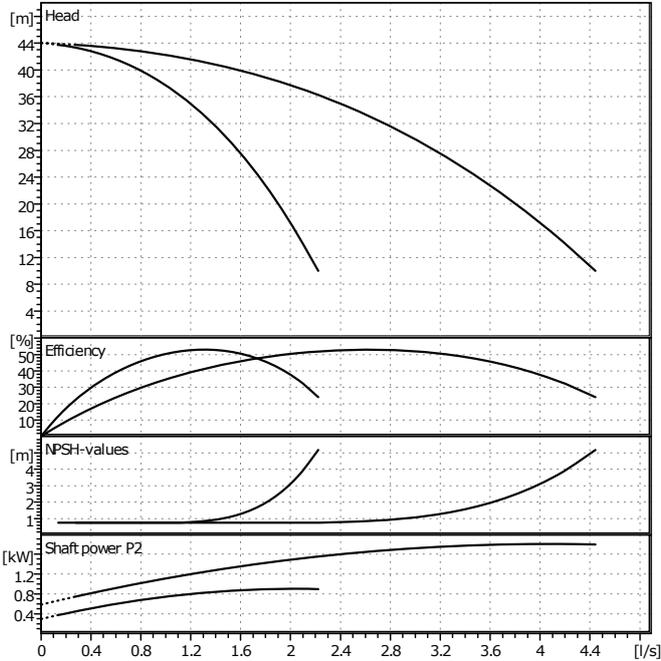
| Item | Qty. | Description  | Price gr. | Price [GBP] | Price [GBP] |
|------|------|--|-----------|-------------|-------------|
|      |      | <p><b>BOSS-2 MULTI V 404/EC-1PH<br/>80460250</b></p> <p><b>Description:</b><br/>Fully automatic self contained two pump booster set designed to provide reliable constant pressure water supply. The set is quiet running, making it suitable for use in domestic, commercial and industrial applications. The control system is based on proven electronic technology giving reliability and simple on site adjustment.</p> <p><b>Accessories:</b></p> <p><b>Commissioning</b><br/>80418417 - First item on site<br/>80418428 - Subsequent items on site</p> <p>80460357 - BOSS CAVSA Valve</p> <p><b>Operational Cycle:</b><br/>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 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 assist pump will start and run until pressure is restored. The Duty pump is rotated between pumps after each operational cycle to ensure even wear.</p> <p><b>Specification:</b><br/> <b>Pumps:</b> Vertical multi stage design of stainless steel construction, WRAS approved.<br/> <b>Motor:</b> Totally enclosed fan cooled (TEFC), IP55, class F, 230 volts, three phase, direct on line (DOL) starting via pipe mounted inverter. IE2 Motor Efficiency.<br/> <b>Inverter:</b> Each pump has a dedicated pipe mounted inverter, giving maximum reliability and flexibility.<br/> <b>Pipe Work:</b> 304 stainless steel, sized in accordance with the overall hydraulic performance of the unit.<br/> <b>Valves:</b> Nickel-plated brass full flow isolation and non-return valves.<br/> <b>Accumulator:</b> 1 x 8 litre MWP 8 bar, WRAS approved c/w through flow shutoff valve for testing and draining.<br/> <b>Control Panel:</b> 230V Termination box with protection per pump all mounted on base frame with anti-vibration mounts.<br/> <b>Inverter Alarms:</b> Dry running, over-current, high water temp, frost protection, short circuit, over and under voltage.<br/> <b>Display:</b> System pressure, set point</p> |           |             |             |



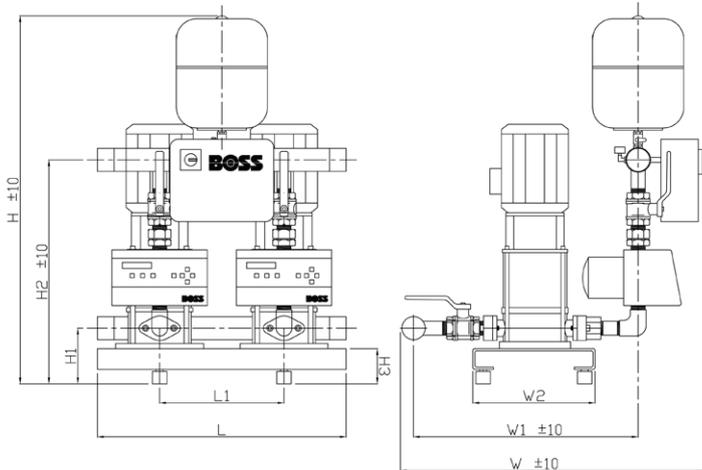
**BOSS-2 MULTI V  
404/EC-1PH  
80460250**

Customer BSS  
Customer no.  
Contact  
Care of

Project  
Project no.  
Position no.  
Location  
Date



Optimum selection band (but not limited to):  
Flow: 0.4 - 3.7  
Head: 16 - 36



Requested data

|                     |                          |
|---------------------|--------------------------|
| Flow                | 0 l/s                    |
| Head                | 0 m                      |
| Fluid               | Water, pure              |
| Fluid temperature   | 20 c                     |
| Density             | 998.3 kg/m <sup>3</sup>  |
| Kinematic viscosity | 1.005 mm <sup>2</sup> /s |
| Vapor pressure      | 2.337 kPa                |

Pump data

|                        |                           |
|------------------------|---------------------------|
| Make                   | BOSS                      |
| Type                   | BOSS-2 MULTI V 404/EC-1PH |
| Design                 | Booster Set               |
| Pumpe type             | Multi-pump set            |
| Pressure rating        | PN10                      |
| Min. fluid temperature | 0 C                       |
| Max. fluid temperature | 40 C                      |

Hydraulic data (duty point)

|                |            |
|----------------|------------|
| Flow           | 0 l/s      |
| Head           | 0 m        |
| Speed          | 2900 1/min |
| Shaft power P2 | kW         |
| NPSH           | m          |

Materials / Shaft seal

|                 |                |
|-----------------|----------------|
| Housing         | 1.4301         |
| Shaft           | 1.4301         |
| Impeller        | 1.4301         |
| Stage chambers  | 1.4301         |
| Mechanical seal | Carbon/ceramic |
| Unit pipework   | 1.4301         |

|                |        |
|----------------|--------|
| Suction side   | 2" BSP |
| Discharge side | 2" BSP |
| Weight         | 95 kg  |

Electrical Data

|                                 |               |
|---------------------------------|---------------|
| Rated power P2                  | 2.2 kW        |
| Nominal speed                   | 2900 1/min    |
| Rated voltage                   | ~230 V, 50 Hz |
| Max. current/Min. protection    | 13.0/32.0 A   |
| Degree of protection            | IP55          |
| Permitted voltage tolerance +/- | 10%           |

|    |     |    |     |    |     |
|----|-----|----|-----|----|-----|
| H  | 995 | H1 | 120 | H2 | 580 |
| H3 | 75  | L  | 600 | L1 | 300 |
| W  | 750 | W1 | 500 | W2 | 300 |

Item no. of standard version 29990350



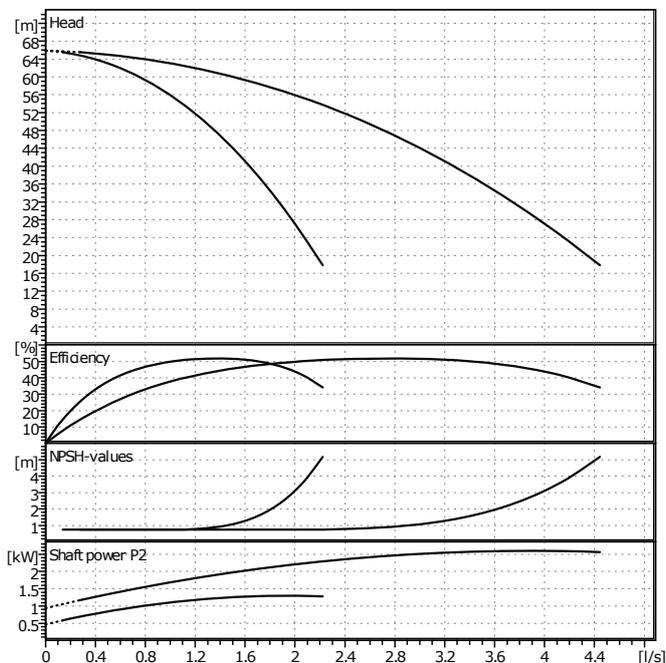
**BOSS-2 MULTI V  
406/EC-1PH  
80460261**

Customer BSS Project  
 Customer no. Project no.  
 Contact Location  
 Care of Date

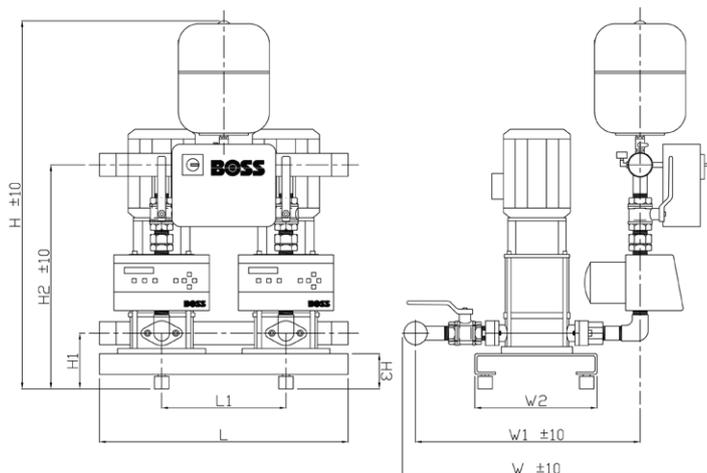
| Item | Qty. | Description  | Price gr. | Price [GBP] | Price [GBP] |
|------|------|--|-----------|-------------|-------------|
|      |      | <p><b>BOSS-2 MULTI V 406/EC-1PH<br/>80460261</b></p> <p><b>Description:</b><br/>Fully automatic self contained two pump booster set designed to provide reliable constant pressure water supply. The set is quiet running, making it suitable for use in domestic, commercial and industrial applications. The control system is based on proven electronic technology giving reliability and simple on site adjustment.</p> <p><b>Accessories:</b></p> <p><b>Commissioning</b><br/>80418417 - First item on site<br/>80418428 - Subsequent items on site</p> <p>80460357 - BOSS CAVSA Valve</p> <p><b>Operational Cycle:</b><br/>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 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 assist pump will start and run until pressure is restored. The Duty pump is rotated between pumps after each operational cycle to ensure even wear.</p> <p><b>Specification:</b><br/> <b>Pumps:</b> Vertical multi stage design of stainless steel construction, WRAS approved.<br/> <b>Motor:</b> Totally enclosed fan cooled (TEFC), IP55, class F, 230 volts, three phase, direct on line (DOL) starting via pipe mounted inverter. IE2 Motor Efficiency.<br/> <b>Inverter:</b> Each pump has a dedicated pipe mounted inverter, giving maximum reliability and flexibility.<br/> <b>Pipe Work:</b> 304 stainless steel, sized in accordance with the overall hydraulic performance of the unit.<br/> <b>Valves:</b> Nickel-plated brass full flow isolation and non-return valves.<br/> <b>Accumulator:</b> 1 x 8 litre MWP 8 bar, WRAS approved c/w through flow shutoff valve for testing and draining.<br/> <b>Control Panel:</b> 230V Termination box with protection per pump all mounted on base frame with anti-vibration mounts.<br/> <b>Inverter Alarms:</b> Dry running, over-current, high water temp, frost protection, short circuit, over and under voltage.<br/> <b>Display:</b> System pressure, set point</p> |           |             |             |

Customer BSS  
 Customer no.  
 Contact  
 Care of

Project  
 Project no.  
 Position no.  
 Location  
 Date



Optimum selection band (but not limited to):  
 Flow: 0.2 - 4.0  
 Head: 28 - 56



Requested data

|                     |                          |
|---------------------|--------------------------|
| Flow                | 0 l/s                    |
| Head                | 0 m                      |
| Fluid               | Water, pure              |
| Fluid temperature   | 20 c                     |
| Density             | 998.3 kg/m <sup>3</sup>  |
| Kinematic viscosity | 1.005 mm <sup>2</sup> /s |
| Vapor pressure      | 2.337 kPa                |

Pump data

|                        |                           |
|------------------------|---------------------------|
| Make                   | BOSS                      |
| Type                   | BOSS-2 MULTI V 406/EC-1PH |
| Design                 | Booster Set               |
| Pumpe type             | Multi-pump set            |
| Pressure rating        | PN10                      |
| Min. fluid temperature | 0 C                       |
| Max. fluid temperature | 40 C                      |

Hydraulic data (duty point)

|                |            |
|----------------|------------|
| Flow           | 0 l/s      |
| Head           | 0 m        |
| Speed          | 2900 1/min |
| Shaft power P2 | kW         |
| NPSH           | m          |

Materials / Shaft seal

|                 |                |
|-----------------|----------------|
| Housing         | 1.4301         |
| Shaft           | 1.4301         |
| Impeller        | 1.4301         |
| Stage chambers  | 1.4301         |
| Mechanical seal | Carbon/ceramic |
| Unit pipework   | 1.4301         |

|                |        |
|----------------|--------|
| Suction side   | 2" BSP |
| Discharge side | 2" BSP |
| Weight         | 95 kg  |

Electrical Data

|                                 |               |
|---------------------------------|---------------|
| Rated power P2                  | 3.0 kW        |
| Nominal speed                   | 2900 1/min    |
| Rated voltage                   | ~230 V, 50 Hz |
| Max. current                    | 18.0/32.0 A   |
| Degree of protection            | IP55          |
| Permitted voltage tolerance +/- | 10%           |

|    |     |    |     |    |     |
|----|-----|----|-----|----|-----|
| H  | 995 | H1 | 120 | H2 | 580 |
| H3 | 75  | L  | 600 | L1 | 300 |
| W  | 750 | W1 | 500 | W2 | 300 |

Item no. of standard version 29990351



**BOSS-2 MULTI V  
804/EC-1PH  
80460272**

Customer BSS Project  
 Customer no. Project no.  
 Contact Location  
 Care of Date

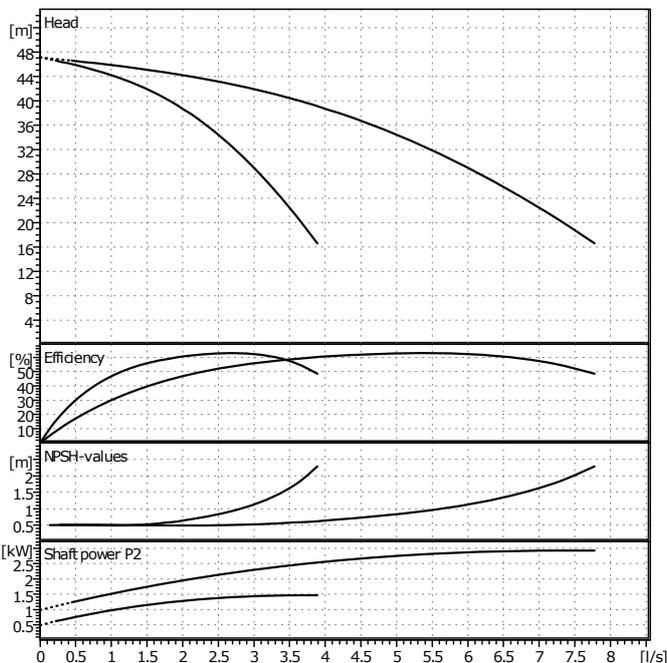
| Item | Qty. | Description  | Price gr. | Price [GBP] | Price [GBP] |
|------|------|--|-----------|-------------|-------------|
|      |      | <p><b>BOSS-2 MULTI V 804/EC-1PH<br/>80460272</b></p> <p><b>Description:</b><br/>Fully automatic self contained two pump booster set designed to provide reliable constant pressure water supply. The set is quiet running, making it suitable for use in domestic, commercial and industrial applications. The control system is based on proven electronic technology giving reliability and simple on site adjustment.</p> <p><b>Accessories:</b></p> <p><b>Commissioning</b><br/>80418417 - First item on site<br/>80418428 - Subsequent items on site</p> <p>80460357 - BOSS CAVSA Valve</p> <p><b>Operational Cycle:</b><br/>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 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 assist pump will start and run until pressure is restored. The Duty pump is rotated between pumps after each operational cycle to ensure even wear.</p> <p><b>Specification:</b><br/> <b>Pumps:</b> Vertical multi stage design of stainless steel construction, WRAS approved.<br/> <b>Motor:</b> Totally enclosed fan cooled (TEFC), IP55, class F, 230 volts, three phase, direct on line (DOL) starting via pipe mounted inverter. IE2 Motor Efficiency.<br/> <b>Inverter:</b> Each pump has a dedicated pipe mounted inverter, giving maximum reliability and flexibility.<br/> <b>Pipe Work:</b> 304 stainless steel, sized in accordance with the overall hydraulic performance of the unit.<br/> <b>Valves:</b> Nickel-plated brass full flow isolation and non-return valves.<br/> <b>Accumulator:</b> 1 x 8 litre MWP 8 bar, WRAS approved c/w through flow shutoff valve for testing and draining.<br/> <b>Control Panel:</b> 230V Termination box with protection per pump all mounted on base frame with anti-vibration mounts.<br/> <b>Inverter Alarms:</b> Dry running, over-current, high water temp, frost protection, short circuit, over and under voltage.<br/> <b>Display:</b> System pressure, set point</p> |           |             |             |



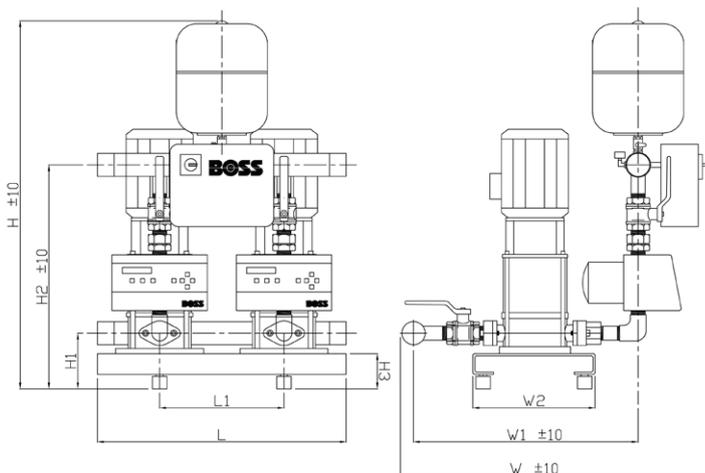
**BOSS-2 MULTI V  
804/EC-1PH  
80460272**

Customer BSS  
Customer no.  
Contact  
Care of

Project  
Project no.  
Position no.  
Location  
Date



Optimum selection band (but not limited to):  
Flow: 0.4 - 6.7  
Head: 24 - 40



Requested data

|                     |                          |
|---------------------|--------------------------|
| Flow                | 0 l/s                    |
| Head                | 0 m                      |
| Fluid               | Water, pure              |
| Fluid temperature   | 20 c                     |
| Density             | 998.3 kg/m <sup>3</sup>  |
| Kinematic viscosity | 1.005 mm <sup>2</sup> /s |
| Vapor pressure      | 2.337 kPa                |

Pump data

|                        |                           |
|------------------------|---------------------------|
| Make                   | BOSS                      |
| Type                   | BOSS-2 MULTI V 804/EC-1PH |
| Design                 | Booster Set               |
| Pumpe type             | Multi-pump set            |
| Pressure rating        | PN10                      |
| Min. fluid temperature | 0 C                       |
| Max. fluid temperature | 40 C                      |

Hydraulic data (duty point)

|                |            |
|----------------|------------|
| Flow           | 0 l/s      |
| Head           | 0 m        |
| Speed          | 2900 1/min |
| Shaft power P2 | kW         |
| NPSH           | m          |

Materials / Shaft seal

|                 |                |
|-----------------|----------------|
| Housing         | 1.4301         |
| Shaft           | 1.4301         |
| Impeller        | 1.4301         |
| Stage chambers  | 1.4301         |
| Mechanical seal | Carbon/ceramic |
| Unit pipework   | 1.4301         |

|                |        |
|----------------|--------|
| Suction side   | 2" BSP |
| Discharge side | 2" BSP |
| Weight         | 115 kg |

Electrical Data

|                                 |               |
|---------------------------------|---------------|
| Rated power P2                  | 3.0 kW        |
| Nominal speed                   | 2900 1/min    |
| Rated voltage                   | ~230 V, 50 Hz |
| Max. current/Min. protection    | 18.0/32.0 A   |
| Degree of protection            | IP55          |
| Permitted voltage tolerance +/- | 10%           |

|    |      |    |     |    |     |
|----|------|----|-----|----|-----|
| H  | 1030 | H1 | 165 | H2 | 630 |
| H3 | 80   | L  | 600 | L1 | 300 |
| W  | 800  | W1 | 570 | W2 | 450 |

Item no. of standard version 29990352



**BOSS-2 MULTI V  
806/EC-1PH  
80460283**

Customer BSS Project  
 Customer no. Project no.  
 Contact Location  
 Care of Date

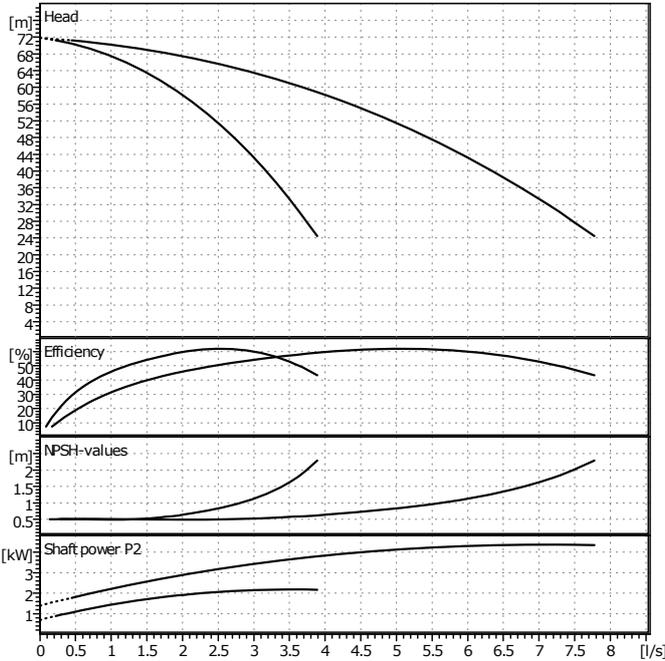
| Item | Qty. | Description  | Price gr. | Price [GBP] | Price [GBP] |
|------|------|--|-----------|-------------|-------------|
|      |      | <p><b>BOSS-2 MULTI V 806/EC-1PH<br/>80460283</b></p> <p><b>Description:</b><br/>Fully automatic self contained two pump booster set designed to provide reliable constant pressure water supply. The set is quiet running, making it suitable for use in domestic, commercial and industrial applications. The control system is based on proven electronic technology giving reliability and simple on site adjustment.</p> <p><b>Accessories:</b></p> <p><b>Commissioning</b><br/>80418417 - First item on site<br/>80418428 - Subsequent items on site</p> <p>80460357 - BOSS CAVSA Valve</p> <p><b>Operational Cycle:</b><br/>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 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 assist pump will start and run until pressure is restored. The Duty pump is rotated between pumps after each operational cycle to ensure even wear.</p> <p><b>Specification:</b><br/> <b>Pumps:</b> Vertical multi stage design of stainless steel construction, WRAS approved.<br/> <b>Motor:</b> Totally enclosed fan cooled (TEFC), IP55, class F, 230 volts, three phase, direct on line (DOL) starting via pipe mounted inverter. IE2 Motor Efficiency.<br/> <b>Inverter:</b> Each pump has a dedicated pipe mounted inverter, giving maximum reliability and flexibility.<br/> <b>Pipe Work:</b> 304 stainless steel, sized in accordance with the overall hydraulic performance of the unit.<br/> <b>Valves:</b> Nickel-plated brass full flow isolation and non-return valves.<br/> <b>Accumulator:</b> 1 x 8 litre MWP 8 bar, WRAS approved c/w through flow shutoff valve for testing and draining.<br/> <b>Control Panel:</b> 230V Termination box with protection per pump all mounted on base frame with anti-vibration mounts.<br/> <b>Inverter Alarms:</b> Dry running, over-current, high water temp, frost protection, short circuit, over and under voltage.<br/> <b>Display:</b> System pressure, set point</p> |           |             |             |



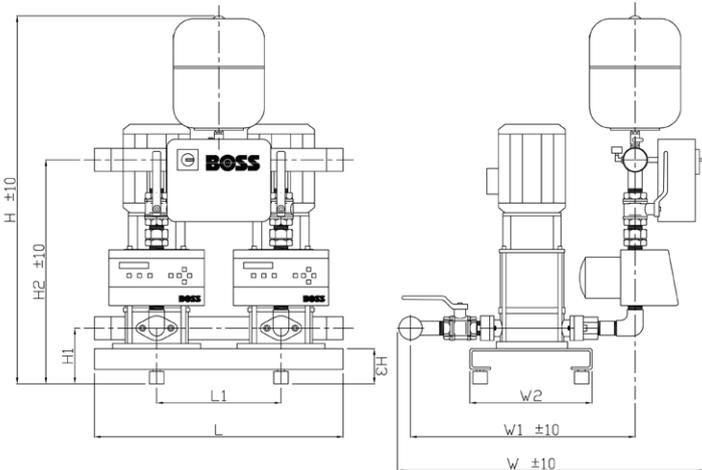
**BOSS-2 MULTI V  
806/EC-1PH  
80460283**

Customer BSS  
Customer no.  
Contact  
Care of

Project  
Project no.  
Position no.  
Location  
Date



Optimum selection band (but not limited to):  
Flow: 0.4 - 7.0  
Head: 32 - 60



| Requested data      |                          |
|---------------------|--------------------------|
| Flow                | 0 l/s                    |
| Head                | 0 m                      |
| Fluid               | Water, pure              |
| Fluid temperature   | 20 c                     |
| Density             | 998.3 kg/m <sup>3</sup>  |
| Kinematic viscosity | 1.005 mm <sup>2</sup> /s |
| Vapor pressure      | 2.337 kPa                |

| Pump data              |                           |
|------------------------|---------------------------|
| Make                   | BOSS                      |
| Type                   | BOSS-2 MULTI V 806/EC-1PH |
| Design                 | Booster Set               |
| Pumpe type             | Multi-pump set            |
| Pressure rating        | PN10                      |
| Min. fluid temperature | 0 C                       |
| Max. fluid temperature | 40 C                      |

| Hydraulic data (duty point) |            |
|-----------------------------|------------|
| Flow                        | 0 l/s      |
| Head                        | 0 m        |
| Speed                       | 2900 1/min |
| Shaft power P2              | kW         |
| NPSH                        | m          |

| Materials / Shaft seal |                |
|------------------------|----------------|
| Housing                | 1.4301         |
| Shaft                  | 1.4301         |
| Impeller               | 1.4301         |
| Stage chambers         | 1.4301         |
| Mechanical seal        | Carbon/ceramic |
| Unit pipework          | 1.4301         |

|                |        |
|----------------|--------|
| Suction side   | 2" BSP |
| Discharge side | 2" BSP |
| Weight         | 115 kg |

| Electrical Data                 |               |
|---------------------------------|---------------|
| Rated power P2                  | 4.4 kW        |
| Nominal speed                   | 2900 1/min    |
| Rated voltage                   | ~230 V, 50 Hz |
| Max. current/Min. protection    | 26.0/32.0 A   |
| Degree of protection            | IP55          |
| Permitted voltage tolerance +/- | 10%           |

|    |      |    |     |    |     |
|----|------|----|-----|----|-----|
| H  | 1030 | H1 | 165 | H2 | 630 |
| H3 | 80   | L  | 600 | L1 | 300 |
| W  | 800  | W1 | 570 | W2 | 450 |

|                              |          |
|------------------------------|----------|
| Item no. of standard version | 29990353 |
|------------------------------|----------|