



**BOSS-1 MULTI V
204/EC-1PH
80460165**

Customer BSS

Project

Customer no.

Project no.

Contact

Location

Care of

Date

Page 1 / 2

| Item | Qty. | Description | Price gr. | Price [GBP] | Price [GBP] |
|------|------|---|-----------|-------------|-------------|
| | | <p>BOSS-1 MULTI V 204/EC-1PH 80460165</p> <p>Description: Fully automatic self contained single 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>Accessories:</p> <p>Commissioning 80418398 - First item on site 80418406 - Subsequent items on site</p> <p>80460357 - BOSS CAVSA Valve</p> <p>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. When the system demand reduces to zero, the pump will ramp down until it stops.</p> <p>Specification: Pump: 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. IE2 Motor Efficiency. Inverter: The 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: Nickel-plated brass full flow isolation and non-return valves. Accumulator: 1 x 8 litre MWP 8 bar, WRAS approved c/w through flow shutoff valve for testing and draining. Control Panel: 230V Termination box with protection per pump all mounted on base frame with anti-vibration mounts. Inverter Alarms: Dry running, over-current, high water temp, frost protection, short circuit, over and under voltage. Display: System pressure, set point</p> | | | |

Customer BSS

Customer no.

Contact

Care of

Project

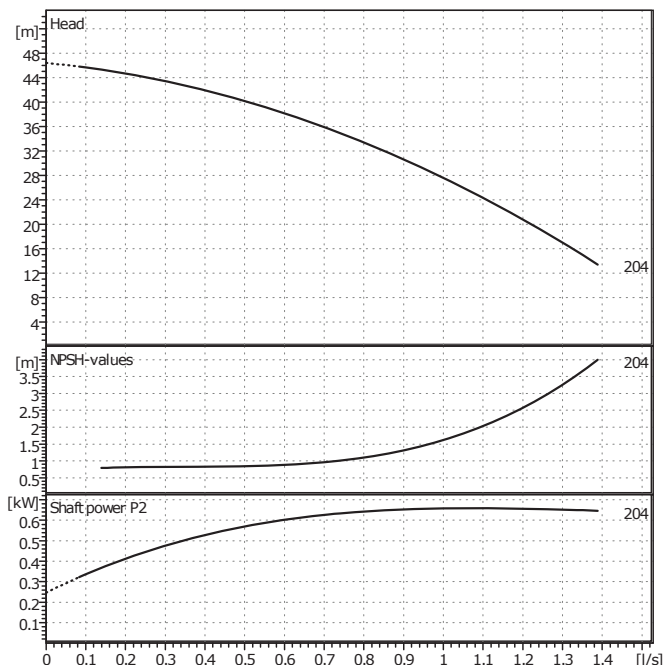
Project no.

Position no.

Location

Date

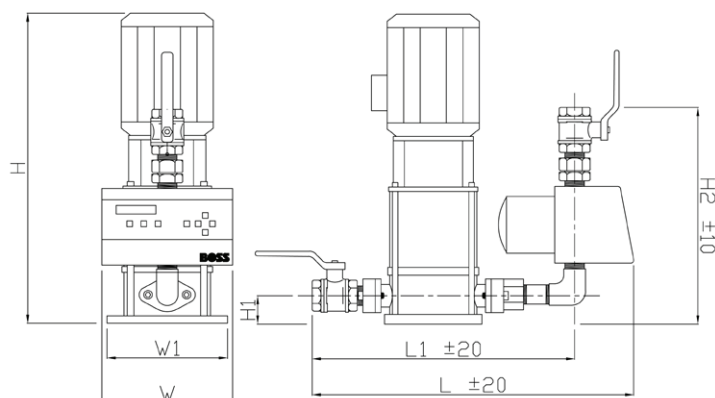
Page 2 / 2



Optimum selection band (but not limited to):

Flow: 0.1 - 1.3

Head: 24 - 60



Requested data

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

Pump data

| | |
|------------------------|---------------------------------------|
| Make | BOSS |
| Type | BOSS-1 MULTI V 204/EC-1PH 80460165 |
| 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 | 1.25" BSP |
| Discharge side | 1.25" BSP |
| Weight | 40 kg |

Electrical Data

| | |
|---------------------------------|----------------|
| Rated power P2 | 0.75 kW |
| Nominal speed | 2900 1/min |
| Rated voltage | 1~230 V, 50 Hz |
| Max.current/Min.protection | 5.0/16.0 A |
| Degree of protection | IP55 |
| Permitted voltage tolerance +/- | 10% |

| | |
|------------------------------|----------|
| Item no. of standard version | 29990342 |
|------------------------------|----------|



**BOSS-1 MULTI V
206/EC-1PH
80460176**

Customer BSS

Project

Customer no.

Project no.

Contact

Location

Care of

Date

Page 1 / 2

| Item | Qty. | Description | Price gr. | Price [GBP] | Price [GBP] |
|------|------|--|-----------|-------------|-------------|
| | | <p>BOSS-1 MULTI V 206/EC-1PH 80460176</p> <p>Description: Fully automatic self contained single 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>Accessories:</p> <p>Commissioning 80418398 - First item on site 80418406 - Subsequent items on site</p> <p>80460357 - BOSS CAVSA Valve</p> <p>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. When the system demand reduces to zero, the pump will ramp down until it stops.</p> <p>Specification: Pump: 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. IE2 Motor Efficiency Inverter: The 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: Nickel-plated brass full flow isolation and non-return valves. Accumulator: 1 x 8 litre MWP 8 bar, WRAS approved c/w through flow shutoff valve for testing and draining. Control Panel: 230V Termination box with protection per pump all mounted on base frame with anti-vibration mounts. Inverter Alarms: Dry running, over-current, high water temp, frost protection, short circuit, over and under voltage. Display: System pressure, set point</p> | | | |

Customer BSS

Customer no.

Contact

Care of

Project

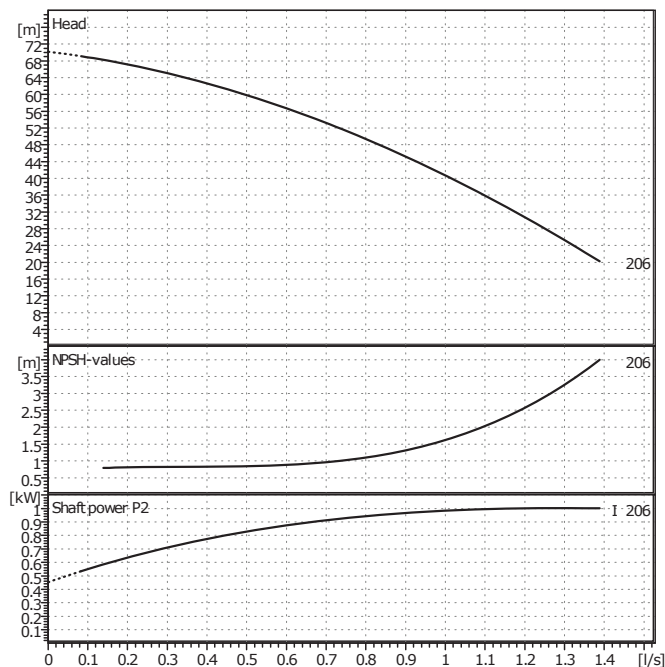
Project no.

Position no.

Location

Date

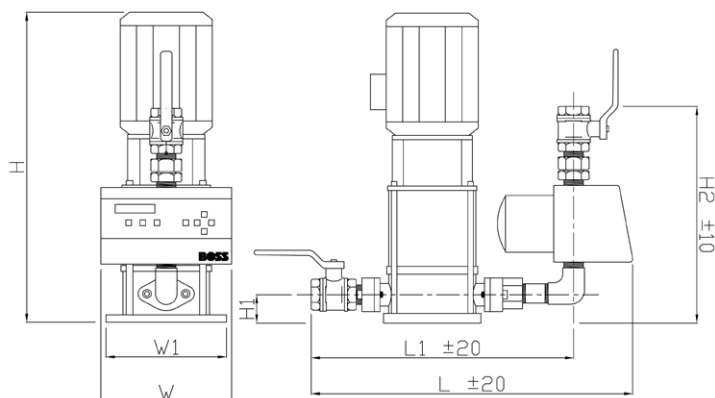
Page 2 / 2



Optimum selection band (but not limited to):

Flow: 0.1 - 1.4

Head: 24 - 60



Requested data

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

Pump data

| | |
|------------------------|---------------------------|
| Make | BOSS |
| Type | BOSS-1 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 | 1.25" BSP |
| Discharge side | 1.25" BSP |
| Weight | 40 kg |

Electrical Data

| | |
|---------------------------------|----------------|
| Rated power P2 | 1.1 kW |
| Nominal speed | 2900 1/min |
| Rated voltage | 1~230 V, 50 Hz |
| Max.current/Min.protection | 6.5/16.0 A |
| Degree of protection | IP55 |
| Permitted voltage tolerance +/- | 10% |

| | |
|------------------------------|----------|
| Item no. of standard version | 29990343 |
|------------------------------|----------|



**BOSS-1 MULTI V
404/EC-1PH
80460187**

Customer BSS

Project

Customer no.

Project no.

Contact

Location

Care of

Date

Page 1 / 2

| Item | Qty. | Description | Price gr. | Price [GBP] | Price [GBP] |
|------|------|--|-----------|-------------|-------------|
| | | <p>BOSS-1 MULTI V 404/EC-1PH 80460187</p> <p>Description: Fully automatic self contained single 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>Accessories:</p> <p>Commissioning 80418398 - First item on site 80418406 - Subsequent items on site</p> <p>80460357 - BOSS CAVSA Valve</p> <p>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. When the system demand reduces to zero, the pump will ramp down until it stops.</p> <p>Specification: Pump: 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. IE2 Motor Efficiency Inverter: The 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: Nickel-plated brass full flow isolation and non-return valves. Accumulator: 1 x 8 litre MWP 8 bar, WRAS approved c/w through flow shutoff valve for testing and draining. Control Panel: 230V Termination box with protection per pump all mounted on base frame with anti-vibration mounts. Inverter Alarms: Dry running, over-current, high water temp, frost protection, short circuit, over and under voltage. Display: System pressure, set point</p> | | | |

Customer BSS

Customer no.

Contact

Care of

Project

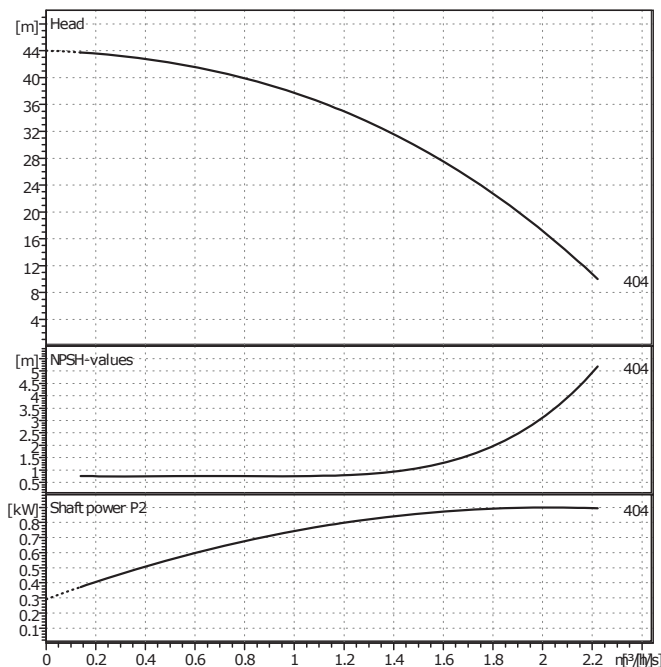
Project no.

Position no.

Location

Date

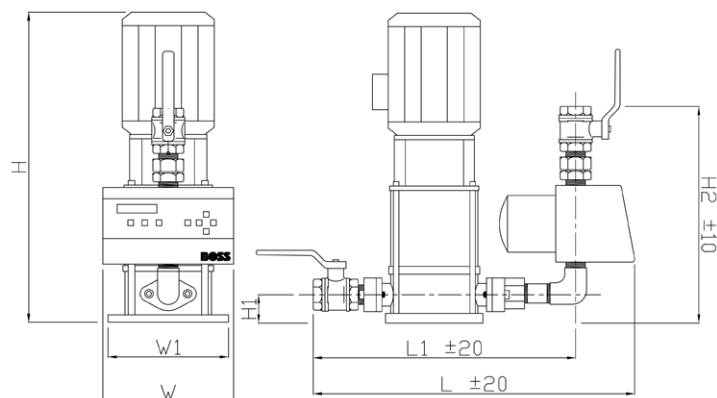
Page 2 / 2



Optimum selection band (but not limited to):

Flow: 0.2 - 2.1

Head: 16 - 36



Requested data

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

Pump data

| | |
|------------------------|---------------------------|
| Make | BOSS |
| Type | BOSS-1 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 | 1.25" BSP |
| Discharge side | 1.25" BSP |
| Weight | 42.5 kg |

Electrical Data

| | |
|-------------------------------------|----------------|
| Rated power P2 | 1.1 kW |
| Nominal speed | 2900 1/min |
| Rated voltage | 1~230 V, 50 Hz |
| Max.current/Min.protection | 6.5/16.0 A |
| Degree of protection | IP55 |
| Permitted voltage tolerance +/- 10% | |

| | |
|------------------------------|----------|
| Item no. of standard version | 29990344 |
|------------------------------|----------|



**BOSS-1 MULTI V
406/EC-1PH
80460198**

Customer BSS

Customer no.

Contact

Care of

Project

Project no.

Location

Date

Page 1 / 2

| Item | Qty. | Description | Price gr. | Price [GBP] | Price [GBP] |
|------|------|--|-----------|-------------|-------------|
| | | <p>BOSS-1 MULTI V 406/EC-1PH 80460198</p> <p>Description: Fully automatic self contained single 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>Accessories:</p> <p>Commissioning 80418398 - First item on site 80418406 - Subsequent items on site</p> <p>80460357 - BOSS CAVSA Valve</p> <p>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. When the system demand reduces to zero, the pump will ramp down until it stops.</p> <p>Specification: Pump: 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. IE2 Motor Efficiency Inverter: The 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: Nickel-plated brass full flow isolation and non-return valves. Accumulator: 1 x 8 litre MWP 8 bar, WRAS approved c/w through flow shutoff valve for testing and draining. Control Panel: 230V Termination box with protection per pump all mounted on base frame with anti-vibration mounts. Inverter Alarms: Dry running, over-current, high water temp, frost protection, short circuit, over and under voltage. Display: System pressure, set point</p> | | | |

Customer BSS

Customer no.

Contact

Care of

Project

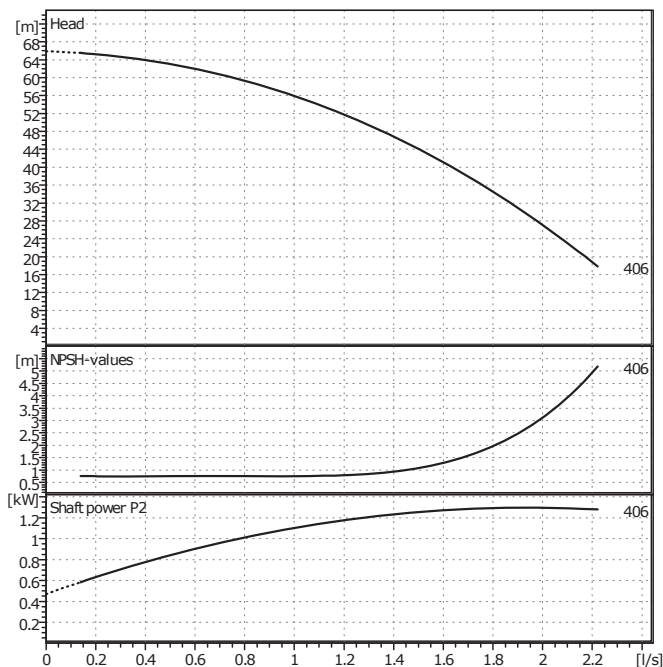
Project no.

Position no.

Location

Date

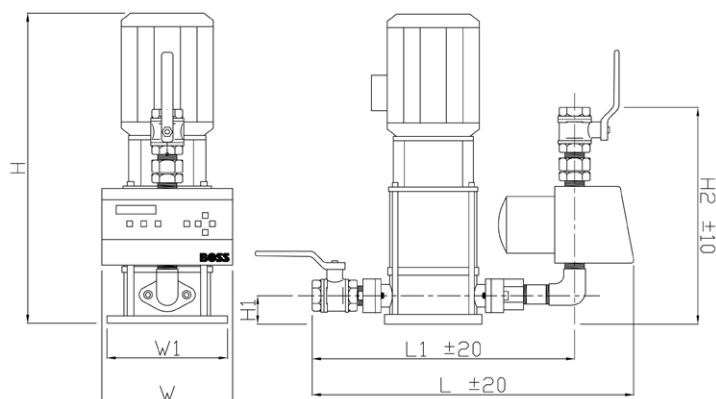
Page 2 / 2



Optimum selection band (but not limited to):

Flow: 0.2 - 2.1

Head: 28 - 56



Requested data

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

Pump data

| | |
|------------------------|---------------------------|
| Make | BOSS |
| Type | BOSS-1 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 | 1.25" BSP |
| Discharge side | 1.25" BSP |
| Weight | 42.5 kg |

Electrical Data

| | |
|---------------------------------|----------------|
| Rated power P2 | 1.5 kW |
| Nominal speed | 2900 1/min |
| Rated voltage | 1~230 V, 50 Hz |
| Max.current/Min.protection | 9.0/16.0 A |
| Degree of protection | IP55 |
| Permitted voltage tolerance +/- | 10% |

| | | | | | |
|----|-----|----|-----|----|-----|
| H | 667 | H1 | 75 | H2 | 435 |
| L | 580 | L1 | 485 | W | 260 |
| W1 | 250 | | | | |

| | |
|------------------------------|----------|
| Item no. of standard version | 29990345 |
|------------------------------|----------|



**BOSS-1 MULTI V
804/EC-1PH
80460206**

Customer BSS

Customer no.

Contact

Care of

Project

Project no.

Location

Date

Page 1 / 2

| Item | Qty. | Description | Price gr. | Price [GBP] | Price [GBP] |
|------|------|---|-----------|-------------|-------------|
| | | <p>BOSS-1 MULTI V 804/EC-1PH 80460206</p> <p>Description: Fully automatic self contained single 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>Accessories:</p> <p>Commissioning 80418398 - First item on site 80418406 - Subsequent items on site</p> <p>80460357 - BOSS CAVSA Valve</p> <p>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. When the system demand reduces to zero, the pump will ramp down until it stops.</p> <p>Specification: Pump: 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. IE2 Motor Efficiency. Inverter: The 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: Nickel-plated brass full flow isolation and non-return valves. Accumulator: 1 x 8 litre MWP 8 bar, WRAS approved c/w through flow shutoff valve for testing and draining. Control Panel: 230V Termination box with protection per pump all mounted on base frame with anti-vibration mounts. Inverter Alarms: Dry running, over-current, high water temp, frost protection, short circuit, over and under voltage. Display: System pressure, set point</p> | | | |

Customer BSS

Customer no.

Contact

Care of

Project

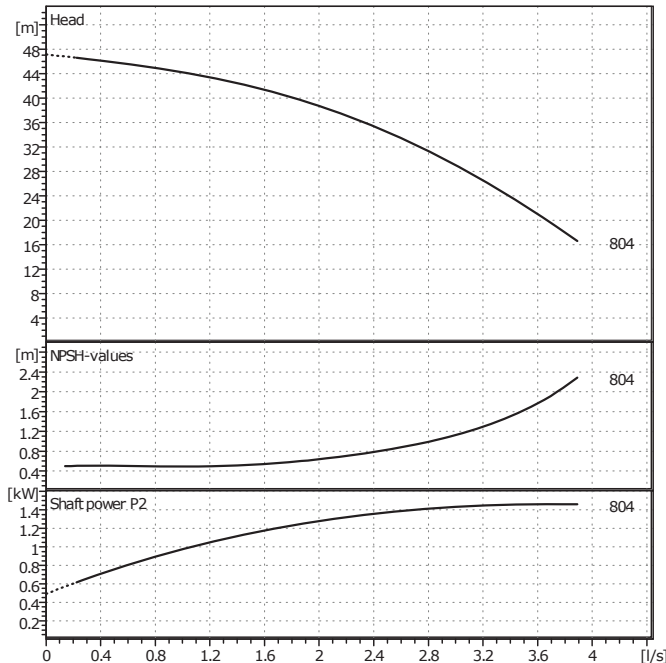
Project no.

Position no.

Location

Date

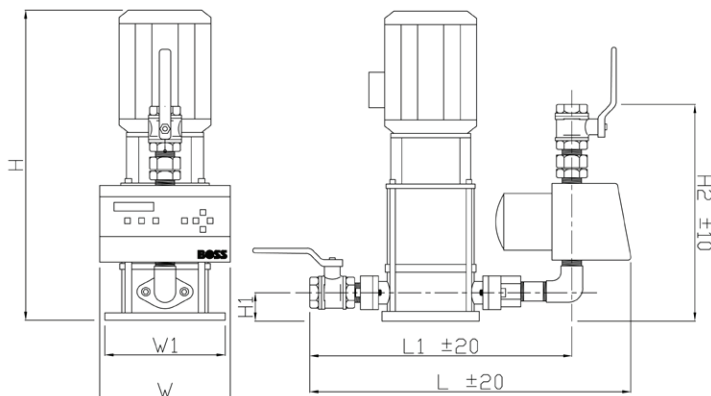
Page 2 / 2



Optimum selection band (but not limited to):

Flow: 0.4 – 3.6

Head: 24 – 40



Requested data

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

Pump data

| | |
|------------------------|---------------------------|
| Make | BOSS |
| Type | BOSS-1 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 | 1.25" BSP |
| Discharge side | 1.25" BSP |
| Weight | 45 kg |

Electrical Data

| | |
|---------------------------------|----------------|
| Rated power P2 | 1.5 kW |
| Nominal speed | 2900 1/min |
| Rated voltage | 1~230 V, 50 Hz |
| Max.current/Min.protection | 9.0/16.0 A |
| Degree of protection | IP55 |
| Permitted voltage tolerance +/- | 10% |

| | | | | | |
|----|-----|----|-----|----|-----|
| H | 682 | H1 | 75 | H2 | 435 |
| L | 580 | L1 | 485 | W | 260 |
| W1 | 250 | | | | |

| | |
|------------------------------|----------|
| Item no. of standard version | 29990346 |
|------------------------------|----------|



**BOSS-1 MULTI V
806/EC-1PH
80460217**

Customer BSS

Project

Customer no.

Project no.

Contact

Location

Care of

Date

Page 1 / 2

| Item | Qty. | Description | Price gr. | Price [GBP] | Price [GBP] |
|------|------|---|-----------|-------------|-------------|
| | | <p>BOSS-1 MULTI V 806/EC-1PH 80460217</p> <p>Description: Fully automatic self contained single 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>Accessories:</p> <p>Commissioning 80418398 - First item on site 80418406 - Subsequent items on site</p> <p>80460357 - BOSS CAVSA Valve</p> <p>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. When the system demand reduces to zero, the pump will ramp down until it stops.</p> <p>Specification: Pump: 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. IE2 Motor Efficiency. Inverter: The 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: Nickel-plated brass full flow isolation and non-return valves. Accumulator: 1 x 8 litre MWP 8 bar, WRAS approved c/w through flow shutoff valve for testing and draining. Control Panel: 230V Termination box with protection per pump all mounted on base frame with anti-vibration mounts. Inverter Alarms: Dry running, over-current, high water temp, frost protection, short circuit, over and under voltage. Display: System pressure, set point</p> | | | |

Customer BSS

Customer no.

Contact

Care of

Project

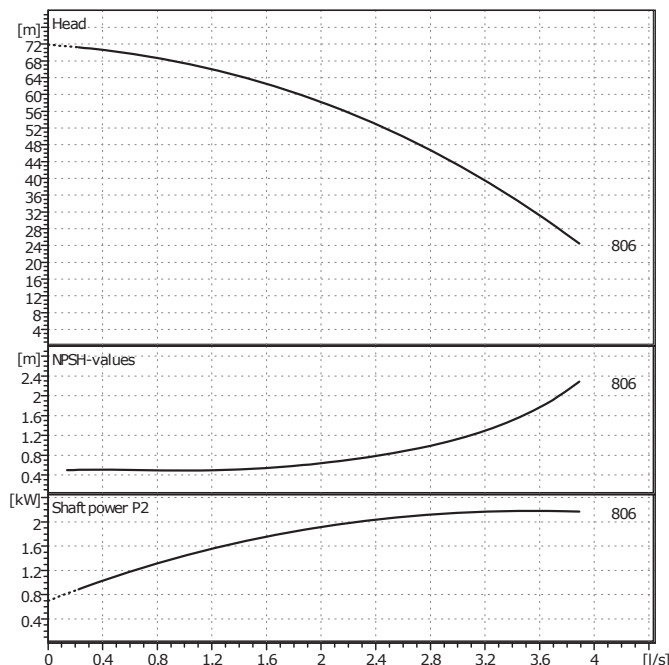
Project no.

Position no.

Location

Date

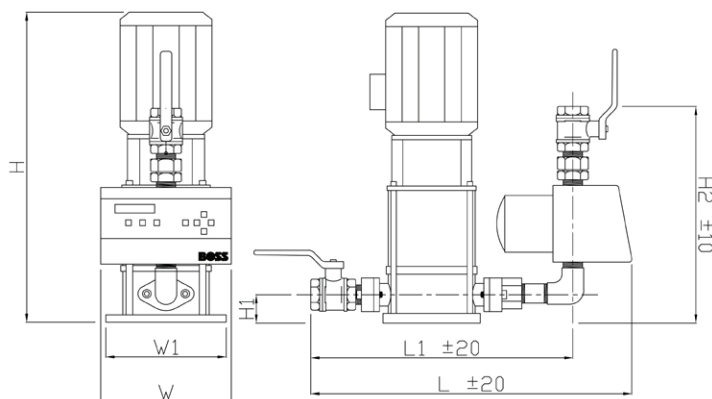
Page 2 / 2



Optimum selection band (but not limited to):

Flow: 0.4 - 3.6

Head: 32 - 60



Requested data

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

Pump data

| | |
|------------------------|---------------------------|
| Make | BOSS |
| Type | BOSS-1 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 | 1.25" BSP |
| Discharge side | 1.25" BSP |
| Weight | 45 kg |

Electrical Data

| | |
|---------------------------------|----------------|
| Rated power P2 | 2.2 kW |
| Nominal speed | 2900 1/min |
| Rated voltage | 1~230 V, 50 Hz |
| Max.current/Min.protection | 13.0/16.0 A |
| Degree of protection | IP55 |
| Permitted voltage tolerance +/- | 10% |

| | |
|------------------------------|----------|
| Item no. of standard version | 29990347 |
|------------------------------|----------|