



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

Customer BSS

Project

Customer no.

Project no.

Contact

Location

Care of

Date

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Item	Qty.	Description	Price gr.	Price [GBP]	Price [GBP]
		<p><b>BOSS-2 MULTI V 204/EC-1PH 80460228</b></p> <p><b>Description:</b> 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> 80418417 - First item on site 80418428 - Subsequent items on site</p> <p>80460357 - BOSS CAVSA Valve</p> <p><b>Operational Cycle:</b> 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> <b>Pumps:</b> Vertical multi stage design of stainless steel construction, WRAS approved. <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. <b>Inverter:</b> Each pump has a dedicated pipe mounted inverter, giving maximum reliability and flexibility. <b>Pipe Work:</b> 304 stainless steel, sized in accordance with the overall hydraulic performance of the unit. <b>Valves:</b> Nickel-plated brass full flow isolation and non-return valves. <b>Accumulator:</b> 1 x 8 litre MWP 8 bar, WRAS approved c/w through flow shutoff valve for testing and draining. <b>Control Panel:</b> 230V Termination box with protection per pump all mounted on base frame with anti-vibration mounts. <b>Inverter Alarms:</b> Dry running, over-current, high water temp, frost protection, short circuit, over and under voltage. <b>Display:</b> System pressure, set point</p>			

Customer BSS

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Contact

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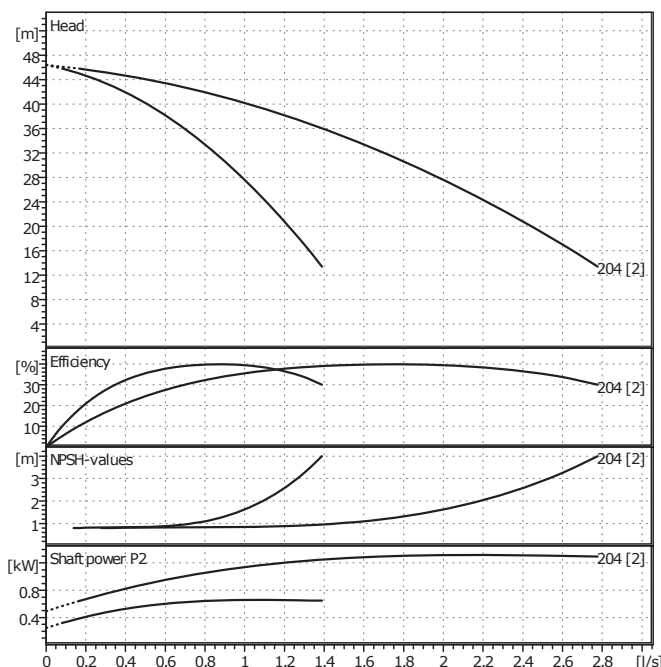
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Position no.

Location

Date

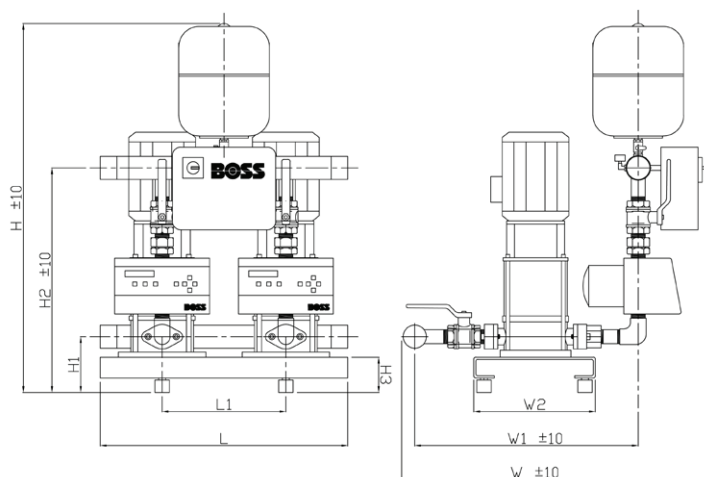
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Optimum selection band (but not limited to):

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%

Item no. of standard version	29990348
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**BOSS-2 MULTI V  
206/EC-1PH  
80460239**

Customer BSS

Project

Customer no.

Project no.

Contact

Location

Care of

Date

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Item	Qty.	Description	Price gr.	Price [GBP]	Price [GBP]
		<p><b>BOSS-2 MULTI V 206/EC-1PH 80460239</b></p> <p><b>Description:</b> 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> 80418417 - First item on site 80418428 - Subsequent items on site</p> <p>80460357 - BOSS CAVSA Valve</p> <p><b>Operational Cycle:</b> 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> <b>Pumps:</b> Vertical multi stage design of stainless steel construction, WRAS approved. <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. <b>Inverter:</b> Each pump has a dedicated pipe mounted inverter, giving maximum reliability and flexibility. <b>Pipe Work:</b> 304 stainless steel, sized in accordance with the overall hydraulic performance of the unit. <b>Valves:</b> Nickel-plated brass full flow isolation and non-return valves. <b>Accumulator:</b> 1 x 8 litre MWP 8 bar, WRAS approved c/w through flow shutoff valve for testing and draining. <b>Control Panel:</b> 230V Termination box with protection per pump all mounted on base frame with anti-vibration mounts. <b>Inverter Alarms:</b> Dry running, over-current, high water temp, frost protection, short circuit, over and under voltage. <b>Display:</b> System pressure, set point</p>			

Customer BSS

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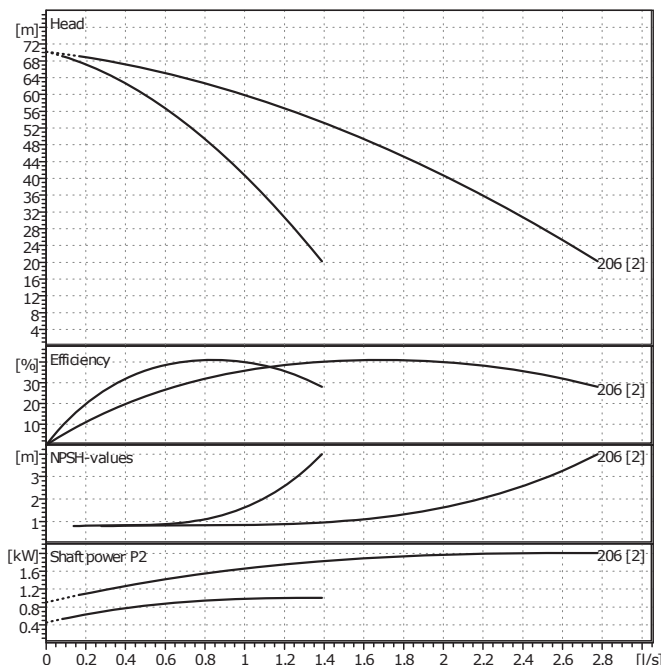
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Position no.

Location

Date

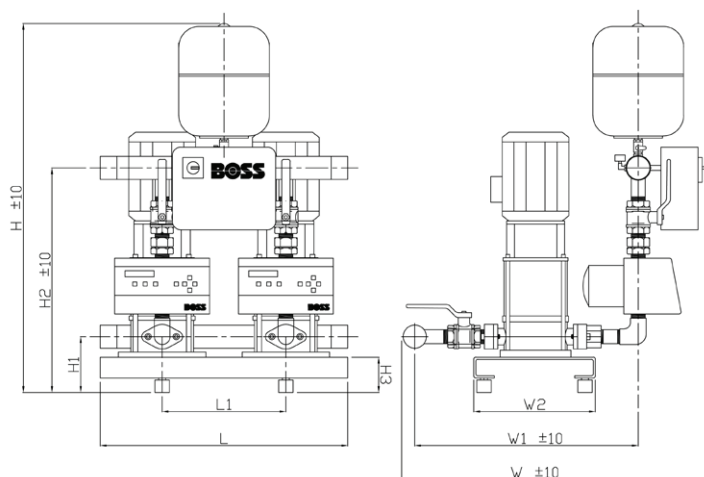
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Optimum selection band (but not limited to):

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%

Item no. of standard version	29990349
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**BOSS-2 MULTI V  
404/EC-1PH  
80460250**

Customer BSS

Project

Customer no.

Project no.

Contact

Location

Care of

Date

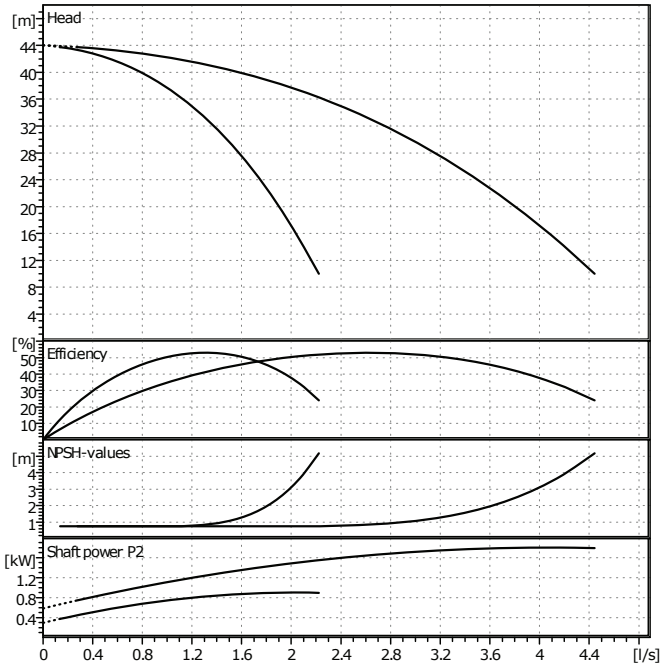
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Item	Qty.	Description	Price gr.	Price [GBP]	Price [GBP]
		<p><b>BOSS-2 MULTI V 404/EC-1PH 80460250</b></p> <p><b>Description:</b> Fully automatic self contained two pump booster set designed to provide reliable constant pressure water supply. The set 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> 80418417 - First item on site 80418428 - Subsequent items on site</p> <p>80460357 - BOSS CAVSA Valve</p> <p><b>Operational Cycle:</b> 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> <b>Pumps:</b> Vertical multi stage design of stainless steel construction, WRAS approved. <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. <b>Inverter:</b> Each pump has a dedicated pipe mounted inverter, giving maximum reliability and flexibility. <b>Pipe Work:</b> 304 stainless steel, sized in accordance with the overall hydraulic performance of the unit. <b>Valves:</b> Nickel-plated brass full flow isolation and non-return valves. <b>Accumulator:</b> 1 x 8 litre MWP 8 bar, WRAS approved c/w through flow shutoff valve for testing and draining. <b>Control Panel:</b> 230V Termination box with protection per pump all mounted on base frame with anti-vibration mounts. <b>Inverter Alarms:</b> Dry running, over-current, high water temp, frost protection, short circuit, over and under voltage. <b>Display:</b> System pressure, set point</p>			

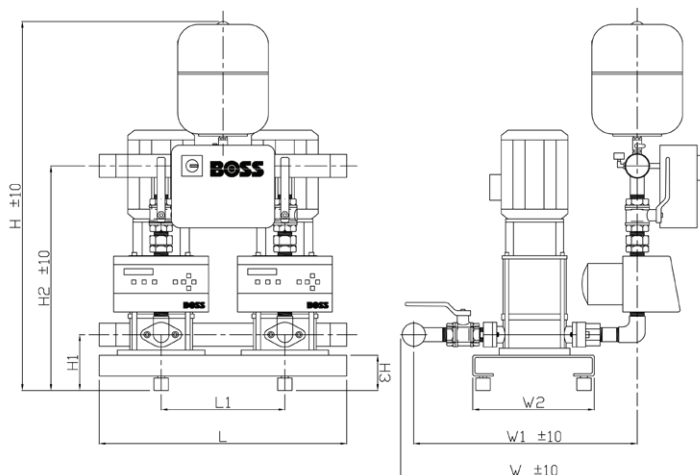
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Customer no.  
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Date

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

Customer BSS

Project

Customer no.

Project no.

Contact

Location

Care of

Date

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Item	Qty.	Description	Price gr.	Price [GBP]	Price [GBP]
		<p><b>BOSS-2 MULTI V 406/EC-1PH 80460261</b></p> <p><b>Description:</b> 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> <b>80418417 - First item on site</b> <b>80418428 - Subsequent items on site</b></p> <p><b>80460357 - BOSS CAVSA Valve</b></p> <p><b>Operational Cycle:</b> 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> <b>Pumps:</b> Vertical multi stage design of stainless steel construction, WRAS approved. <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. <b>Inverter:</b> Each pump has a dedicated pipe mounted inverter, giving maximum reliability and flexibility. <b>Pipe Work:</b> 304 stainless steel, sized in accordance with the overall hydraulic performance of the unit. <b>Valves:</b> Nickel-plated brass full flow isolation and non-return valves. <b>Accumulator:</b> 1 x 8 litre MWP 8 bar, WRAS approved c/w through flow shutoff valve for testing and draining. <b>Control Panel:</b> 230V Termination box with protection per pump all mounted on base frame with anti-vibration mounts. <b>Inverter Alarms:</b> Dry running, over-current, high water temp, frost protection, short circuit, over and under voltage. <b>Display:</b> System pressure, set point</p>			

Customer BSS

Customer no.

Contact

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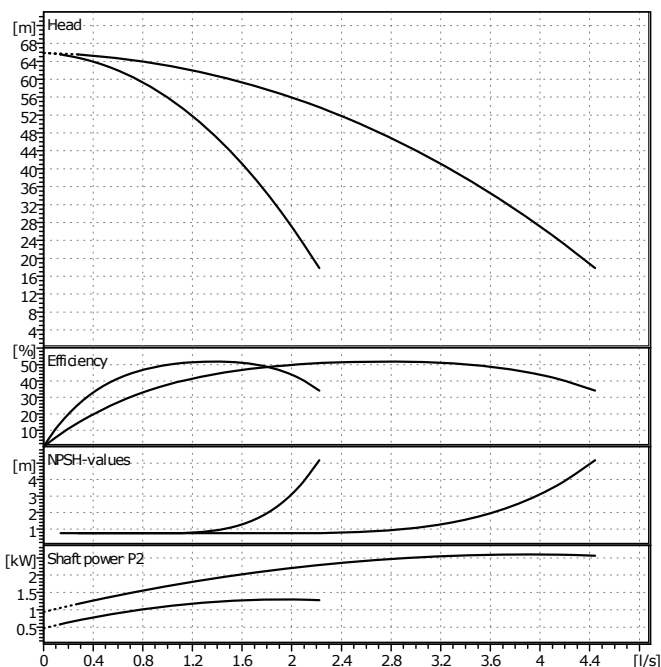
Project no.

Position no.

Location

Date

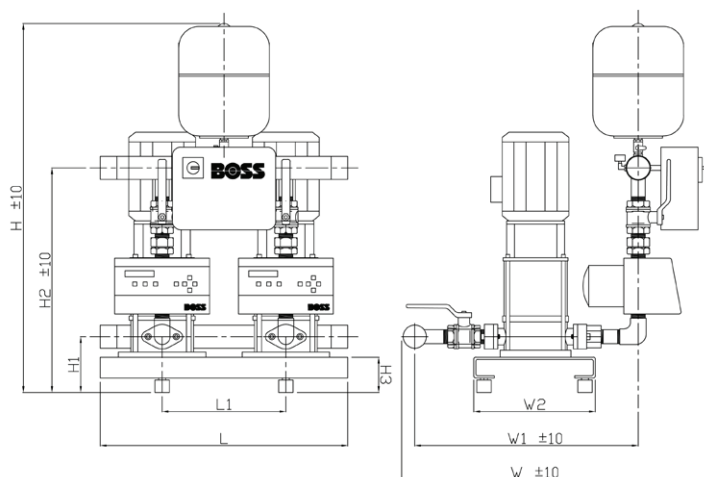
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Optimum selection band (but not limited to):

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%

Item no. of standard version	29990351
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**BOSS-2 MULTI V  
804/EC-1PH  
80460272**

Customer BSS

Project

Customer no.

Project no.

Contact

Location

Care of

Date

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Item	Qty.	Description	Price gr.	Price [GBP]	Price [GBP]
		<p><b>BOSS-2 MULTI V 804/EC-1PH 80460272</b></p> <p><b>Description:</b> 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> 80418417 - First item on site 80418428 - Subsequent items on site</p> <p>80460357 - BOSS CAVSA Valve</p> <p><b>Operational Cycle:</b> 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> <b>Pumps:</b> Vertical multi stage design of stainless steel construction, WRAS approved. <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. <b>Inverter:</b> Each pump has a dedicated pipe mounted inverter, giving maximum reliability and flexibility. <b>Pipe Work:</b> 304 stainless steel, sized in accordance with the overall hydraulic performance of the unit. <b>Valves:</b> Nickel-plated brass full flow isolation and non-return valves. <b>Accumulator:</b> 1 x 8 litre MWP 8 bar, WRAS approved c/w through flow shutoff valve for testing and draining. <b>Control Panel:</b> 230V Termination box with protection per pump all mounted on base frame with anti-vibration mounts. <b>Inverter Alarms:</b> Dry running, over-current, high water temp, frost protection, short circuit, over and under voltage. <b>Display:</b> System pressure, set point</p>			

Customer BSS

Customer no.

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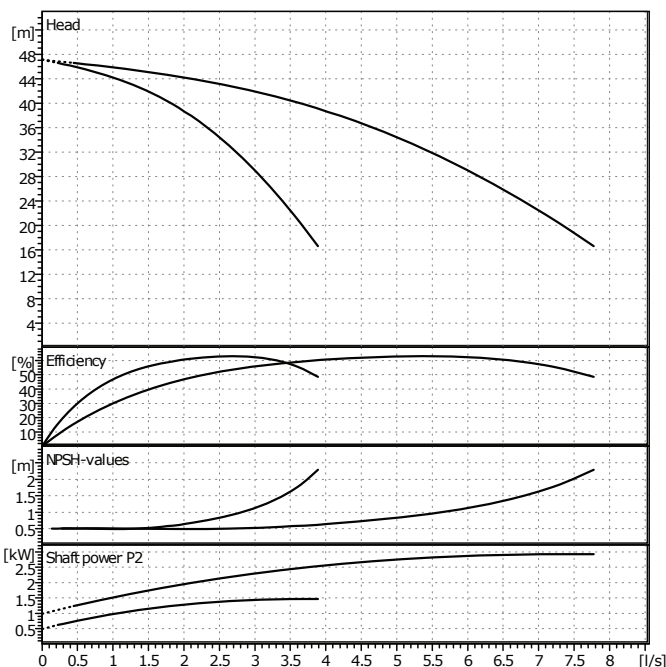
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Position no.

Location

Date

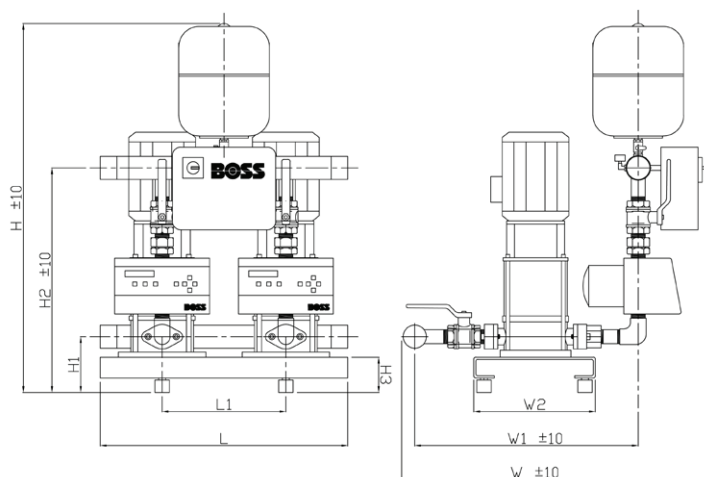
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Optimum selection band (but not limited to):

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%

Item no. of standard version	29990352
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**BOSS-2 MULTI V  
806/EC-1PH  
80460283**

Customer BSS

Customer no.

Contact

Care of

Project

Project no.

Location

Date

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Item	Qty.	Description	Price gr.	Price [GBP]	Price [GBP]
		<p><b>BOSS-2 MULTI V 806/EC-1PH 80460283</b></p> <p><b>Description:</b> 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> 80418417 - First item on site 80418428 - Subsequent items on site</p> <p>80460357 - BOSS CAVSA Valve</p> <p><b>Operational Cycle:</b> 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> <b>Pumps:</b> Vertical multi stage design of stainless steel construction, WRAS approved. <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. <b>Inverter:</b> Each pump has a dedicated pipe mounted inverter, giving maximum reliability and flexibility. <b>Pipe Work:</b> 304 stainless steel, sized in accordance with the overall hydraulic performance of the unit. <b>Valves:</b> Nickel-plated brass full flow isolation and non-return valves. <b>Accumulator:</b> 1 x 8 litre MWP 8 bar, WRAS approved c/w through flow shutoff valve for testing and draining. <b>Control Panel:</b> 230V Termination box with protection per pump all mounted on base frame with anti-vibration mounts. <b>Inverter Alarms:</b> Dry running, over-current, high water temp, frost protection, short circuit, over and under voltage. <b>Display:</b> System pressure, set point</p>			

Customer BSS

Customer no.

Contact

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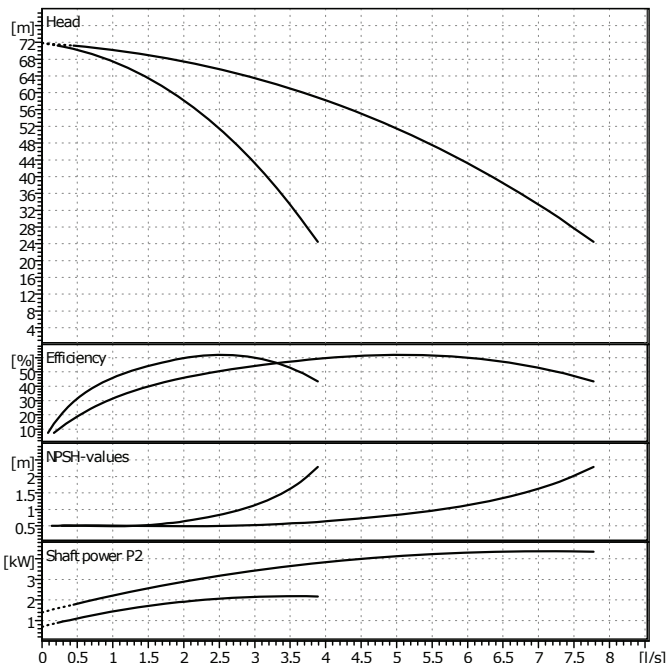
Project no.

Position no.

Location

Date

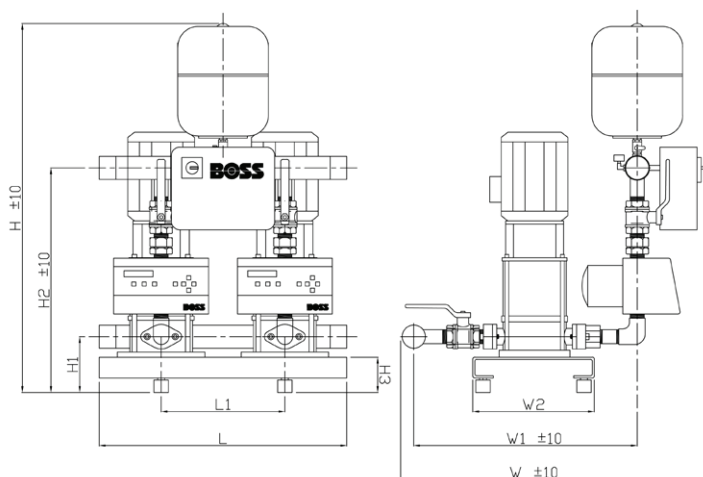
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Optimum selection band (but not limited to):

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
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