

BASE-LINE & EASYMAT SETS

2 Pump Fixed Speed
1 & 2 Pump Variable Speed
for Domestic & Commercial Applications



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INTRODUCTION

We manufacture a standard range of booster sets, both fixed and variable speed, with fixed speed set options with one, two or three pumps, and variable speed sets with one, two, three or four pumps. In addition we can supply special pump sets incorporating any of the models from our pump production range. We are also able to build complete packaged systems with tanks and specialist control and monitoring systems. Please see volume 2 of our booster set programme.

This leaflet covers our standard production booster sets BASELINE fixed speed sets for domestic and commercial applications and EASYMAT variable speed sets, designed for domestic and small commercial applications.

Please note that for non-domestic installations, the non-domestic building service compliance guide, 2010 edition, section 13, item 13:4, table 48 paragraph 'C', states:

“If a water pump is used on a closed loop circuit and the motor is rated at more than 750W, then it should be fitted with or controlled by an appropriate variable speed controller on any variable volume system. On water pump booster sets with an open loop circuit, the static head should be checked before an appropriate variable speed controller is used.”

In essence then all booster sets 0.75kW and over, installed in non-domestic building services applications should be variable speed unless there is a very high static head where the system curve shows a variable speed system to be of no material benefit to energy reduction.

Please refer to the appropriate building service compliance guides for more information.

CONTROL SYSTEMS



Easymat



QML & QTL

QML & QTL (Fixed Speed Control) This is a reliable and economical range of control panels with a customised electronic control board. The panel features conventional starters, fuses and thermal overload, complete with all indication lights for run and trip functions, all mounted in a strong thermoplastic case with door interlock isolator. Terminals are provided for external low level control and provision is made for our RA100 remote alarm panel, which is an optional extra. The panel features three operational modes, 1) Vessel failure mode, 2) Emergency mode, and 3) Run-on timer mode. The control system automatically alternates the lead pump at each start.

EASYMAT (Variable Speed Control) The Easymat is the first in a new generation of variable speed controllers developed by Calpeda. The system is installed independent of the pump and motor on the delivery pipe-work allowing for easy retro-fitting, and independent cooling of the motor fan. The Easymat is only suitable for use with 230V single phase supply, and models are available for operation on pumps up to 2.2kW or 9.2A. The units are controlled via a transducer and features a practical and easy to use LCD display featuring a wide range of display and operating functions and signals.

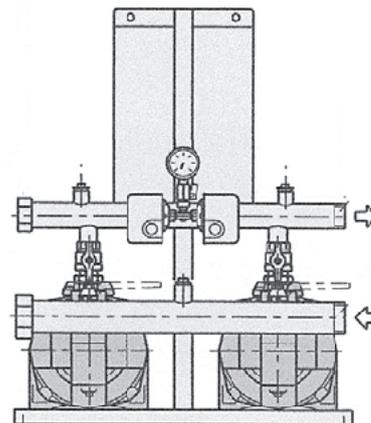
A range of economically priced, twin pump fixed speed booster sets featuring the NGX self-priming, stainless steel, multi-stage pump range and NGL cast iron pumps

Pumps

NGX self-priming horizontal, multi-stage, stainless steel centrifugal pumps and NGL cast iron version

Motors

Aluminium 2-Pole (2900rpm) induction motors, three phase 230/400V-50hz, single phase 230V-50hz, class F insulation, IP54 enclosure, IEC34.



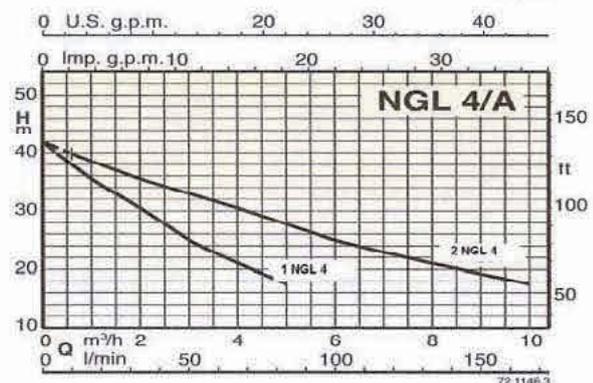
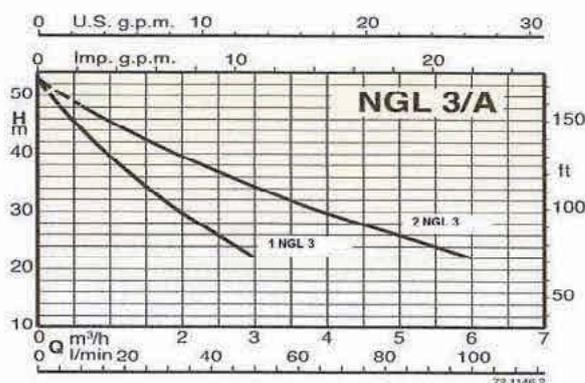
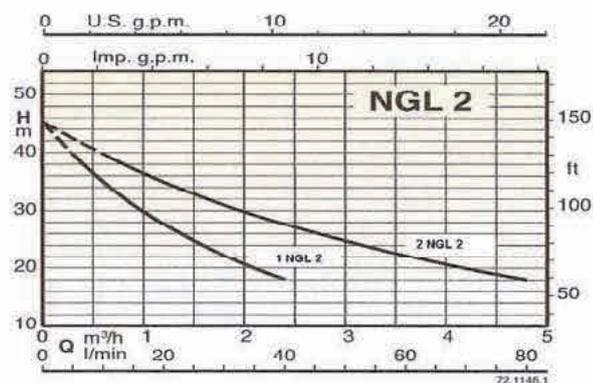
System

One piece stainless steel manifolds, brass valves and fittings, electro-galvanised base frame, 24 ltr accumulators (two options). Fully wired and tested.

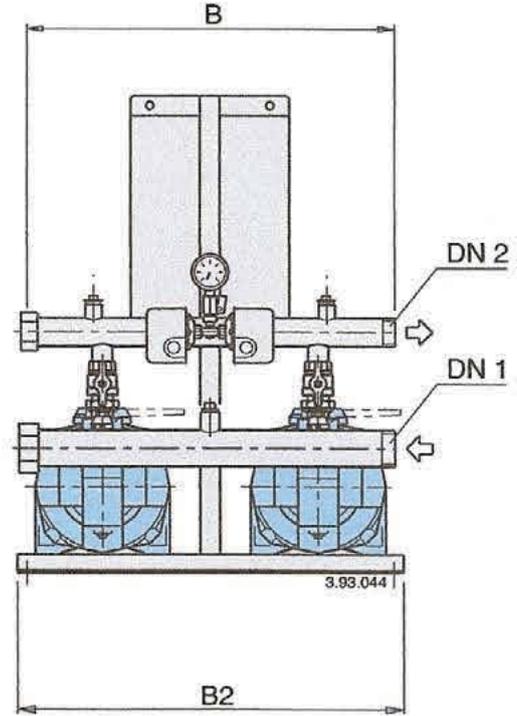
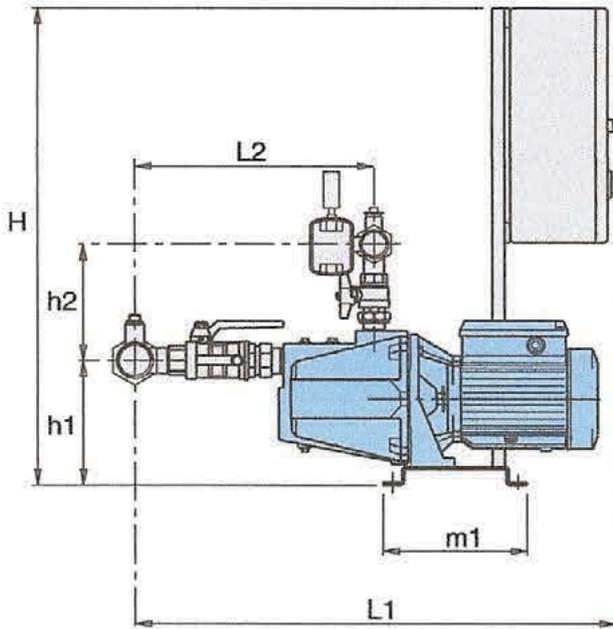
Operating Conditions

Fluid: Clear water	Control: Fixed speed QML/QTL panels via pressure switches
Fluid Temp: >35 deg.C	Max pressure: 10 bar
Air Ambient: >40 deg.C	Rated: Continuous service

Performance Data



Dimensions & Weights

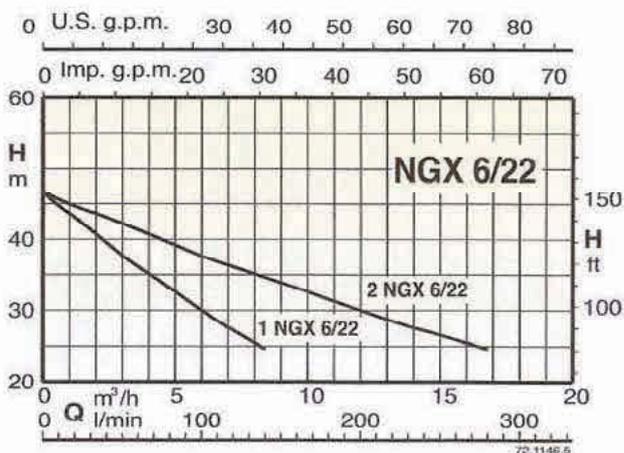
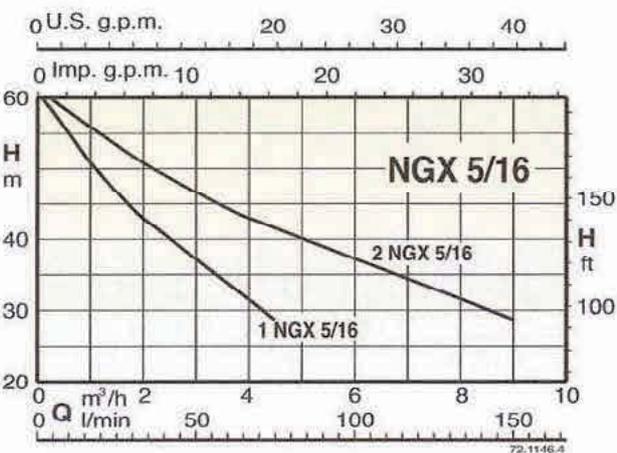
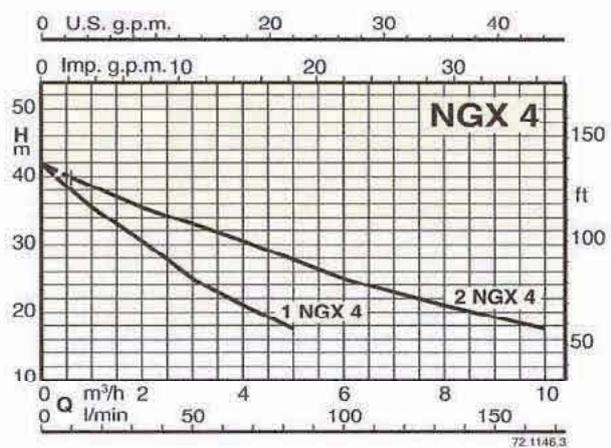
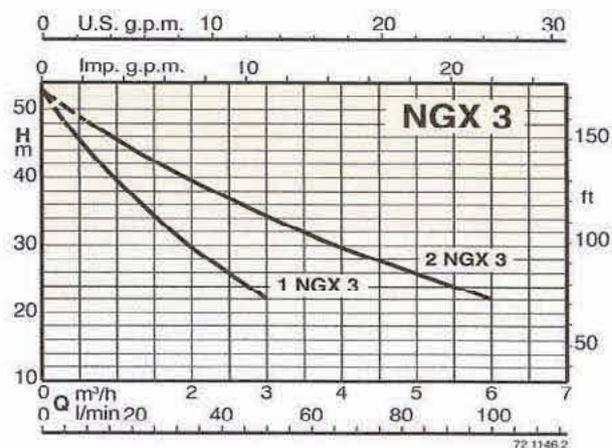
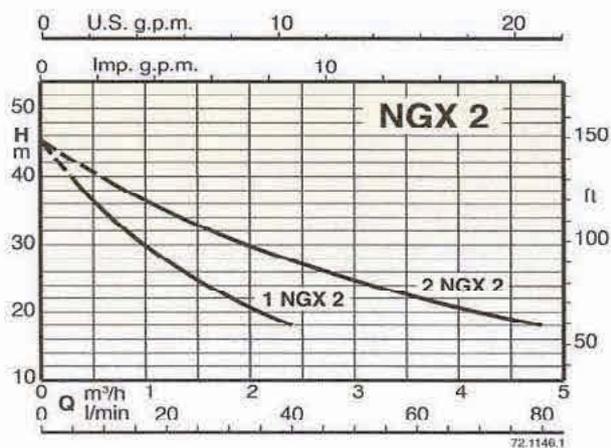


Model 400/3/50	Model 230/1/50	Motor Man		ifolds		mm							Wt. Kg**		
		kW	hp	DN1	DN2	H*	h1	h2	L1	L2	m1	B2		B	
2NGL 2-BL	2NGLM 2-BL	0.45	0.6			840	151	206	793	355					42
2NGL 3/A-BL	2NGLM 3/A-BL	0.55	0.75	2"	1-1/2"	840	151	206	793	355	235	625	600	46	
2NGL 4/A-BL	2NGLM 4/A-BL	0.75	1			840	151	206	793	355				49	

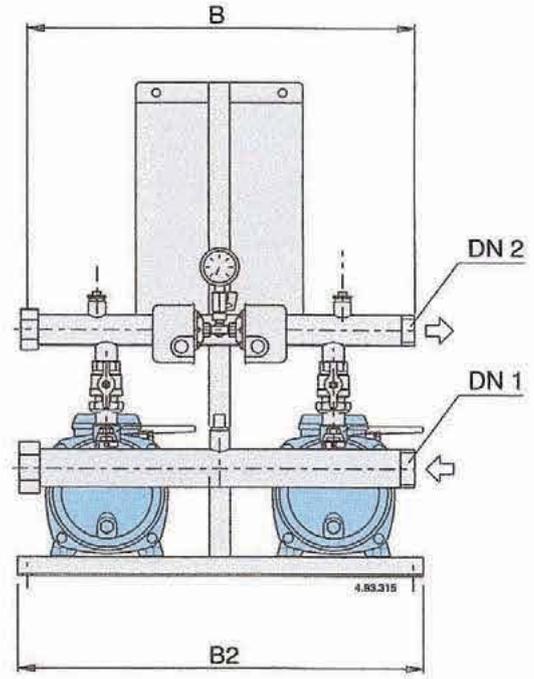
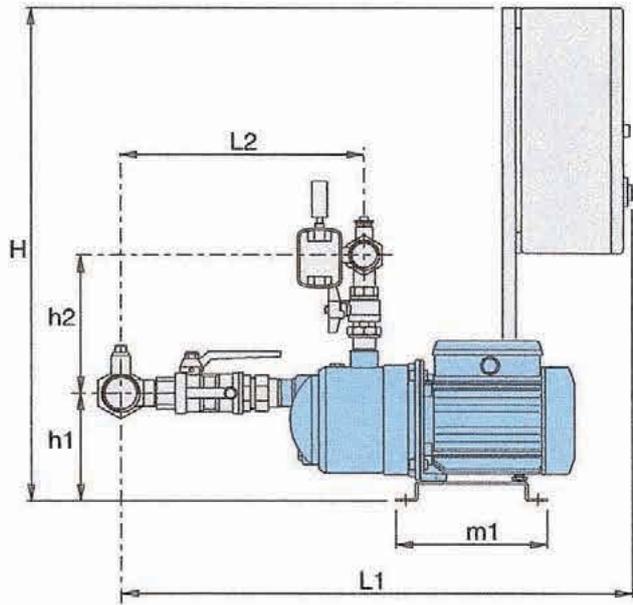
*Max height to top of vessels = 867

**Wt excludes vessels.

Performance Data



Dimensions & Weights



Model 400/3/50	Model 230/1/50	Motor Man		ifolds		mm								Wt. Kg**	
		kW	hp	DN1	DN2	H*	h1	h2	L1	L2	m1	B2	B		
2NGX 2-BL	2NGXM 2-BL	0.45	0.6	2"	1-1/2"	840	151	206	793	355					42
2NGX 3/A-BL	2NGXM 3/A-BL	0.55	0.75	2"	1-1/2"	840	151	206	793	355				46	
2NGX 4/A-BL	2NGXM 4/A-BL	0.75	1	2"	1-1/2"	840	151	206	793	355	235	625	600	49	
2NGX 5-16-BL	2NGXM 5-16-BL	1.1	1.5	2"	1-1/2"	840	187	212	836	380				61	
2NGX 6-22-BL	2NGXM 6-22-BL	1.5	2	2"	1-1/2"	840	187	212	836	380				65	

*Max height to top of vessels = 867

**Wt excludes vessels

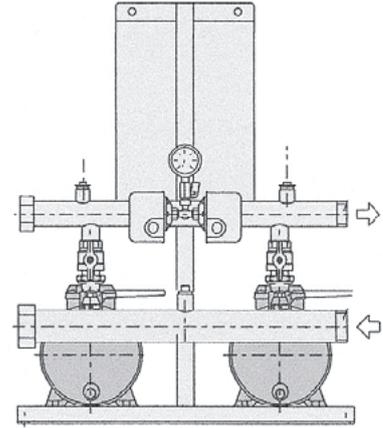
A range of economically priced, twin pump fixed speed booster sets featuring the MXP stainless steel, multi-stage pump range.

Pumps

MXP horizontal, multi-stage, stainless steel centrifugal pumps with plastic impellers and diffusers.

Motors

Aluminium 2-Pole (2900rpm) induction motors, three phase 230/400V-50hz, single phase 230V-50hz, class F insulation, IP54 enclosure, IEC34.



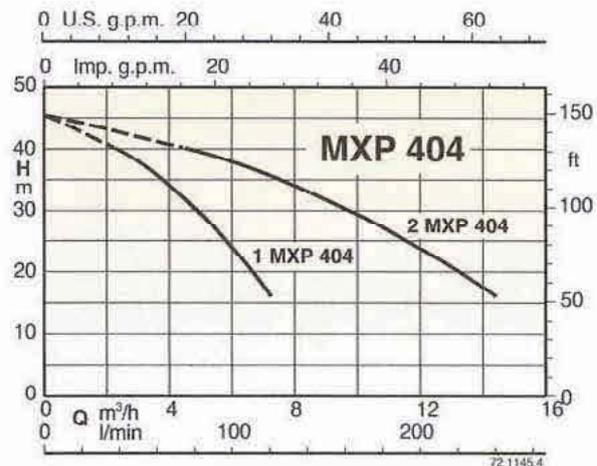
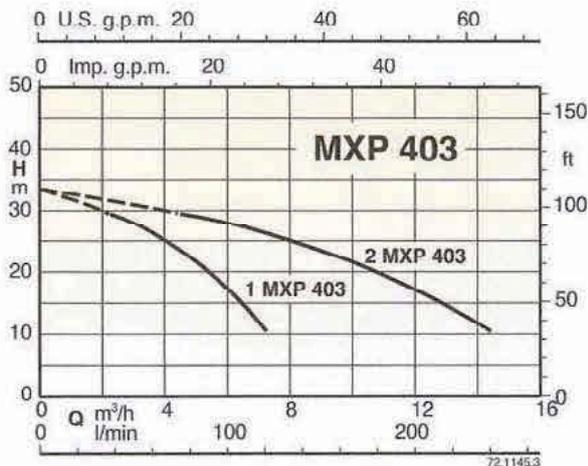
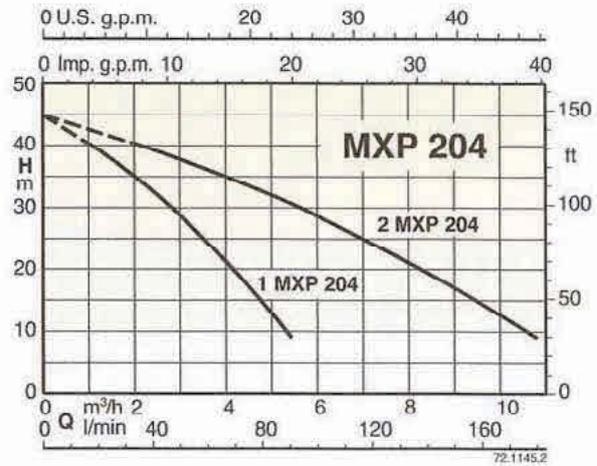
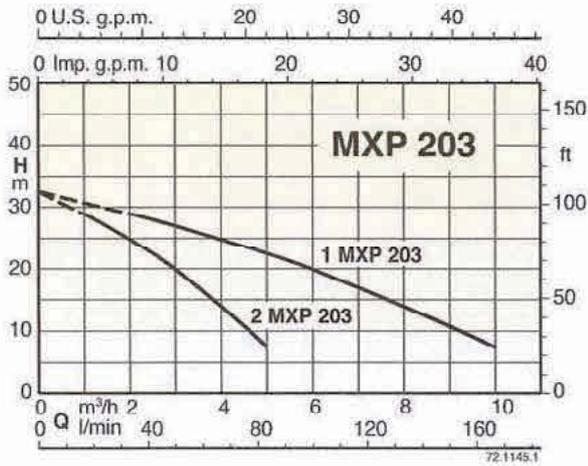
System

One piece stainless steel manifolds, brass valves and fittings, electro-galvanised base frame, 24 ltr accumulators (two options). Fully wired and tested.

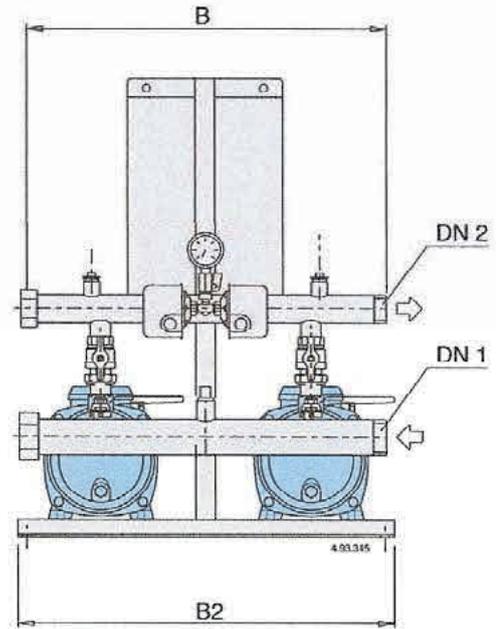
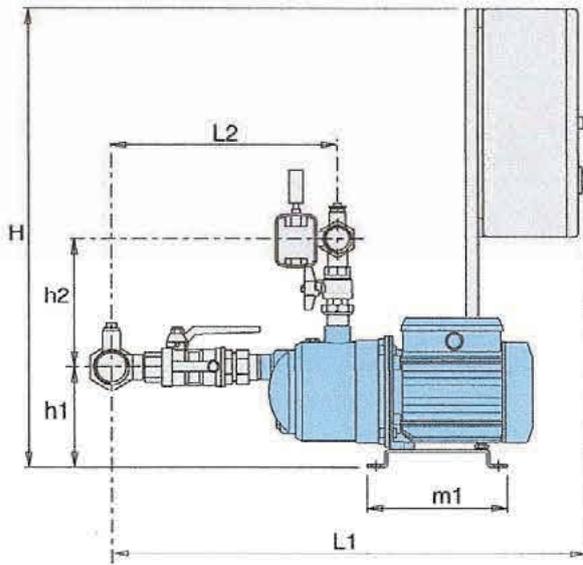
Operating Conditions

Fluid: Clear water	Control: Fixed speed QML/QTL panels via pressure switches
Fluid Temp: >35 deg.C	Max pressure: 10 bar
Air Ambient: >40 deg.C	Rated: Continuous service

Performance Data



Dimensions & Weights



Model 400/3/50	Model 230/1/50	Motor Man		ifolds		mm										Wt. Kg**
		kW	hp	DN1	DN2	H*	h1	h2	L1	L2	m1	B2	B			
2MXP203-BL 2M	XPM203-BL	0.45	0.6	2"	1-1/2"	840	151	206	793	355	235	625	600	41		
2MXP204/A-BL	2MXPM204/A-BL	0.55	0.75			840	151	206	793	355				46		
2MXP403/A-BL 2M	XPM403/A-BL	0.55	0.75	2"	1-1/2"	840	151	206	793	355				46		
2MXP404/A-BL	2MXPM404/A-BL	0.75	1			840	151	206	793	355				48		

*Max height to top of vessels = 867

**Wt excludes vessels

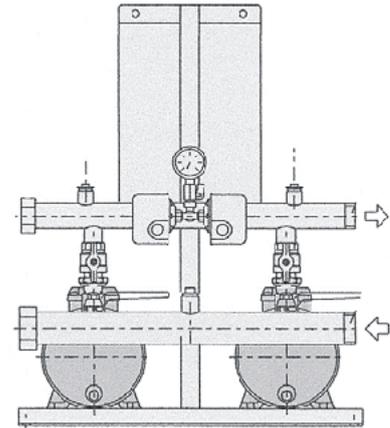
A range of economically priced, twin pump fixed speed booster sets featuring the MXH all stainless steel, multi-stage centrifugal pump range.

Pumps

MXH horizontal, multi-stage, all stainless steel centrifugal pumps .

Motors

Aluminium 2-Pole (2900rpm) induction motors, three phase 230/400V-50hz, single phase 230V-50hz, class F insulation, IP54 enclosure, IEC34.



System

One piece stainless steel manifolds, brass valves and fittings, electro-galvanised base frame, 24 ltr accumulators (two options). Fully wired and tested.

Operating Conditions

Fluid: Clean water

Control: Fixed speed QML/QTL panels via pressure switches

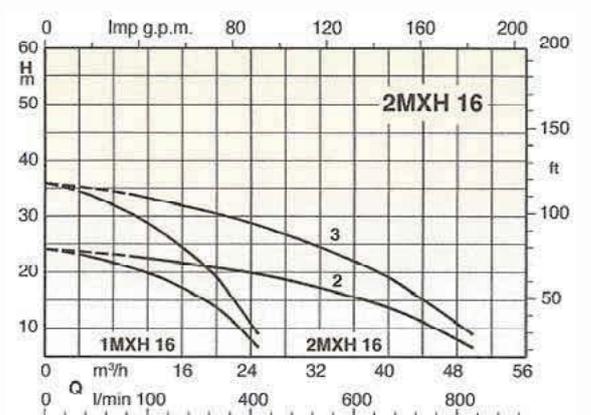
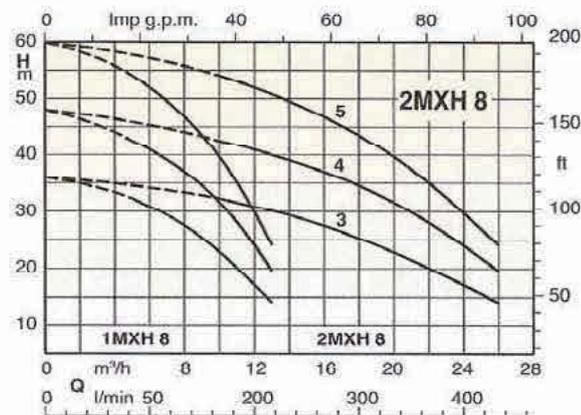
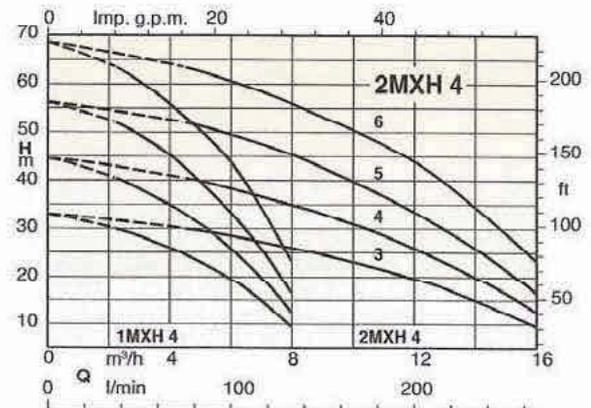
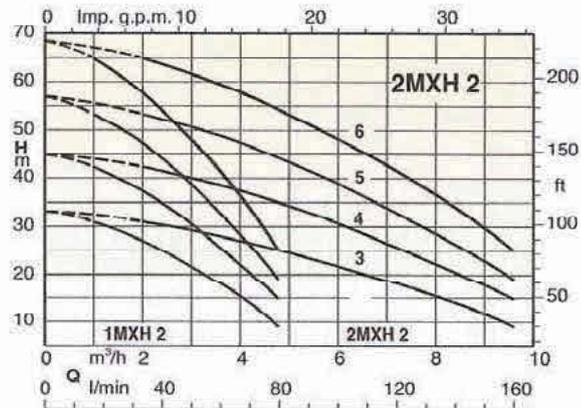
Fluid Temp: >50 deg.C

Max pressure: 10 bar

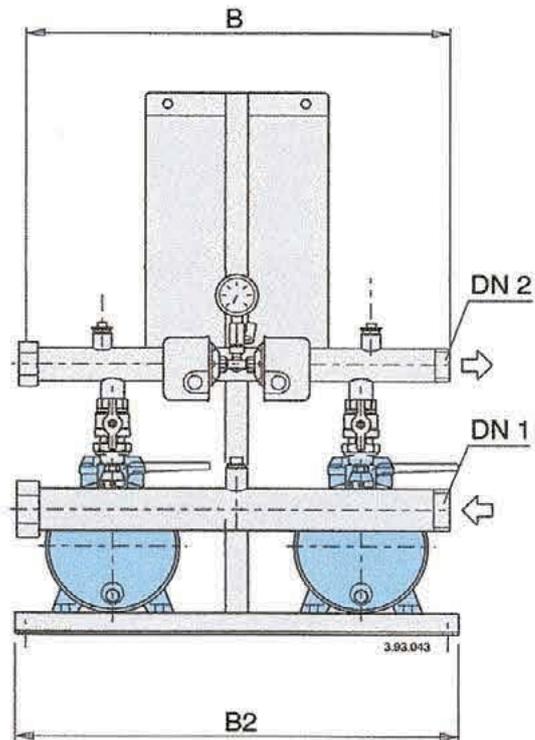
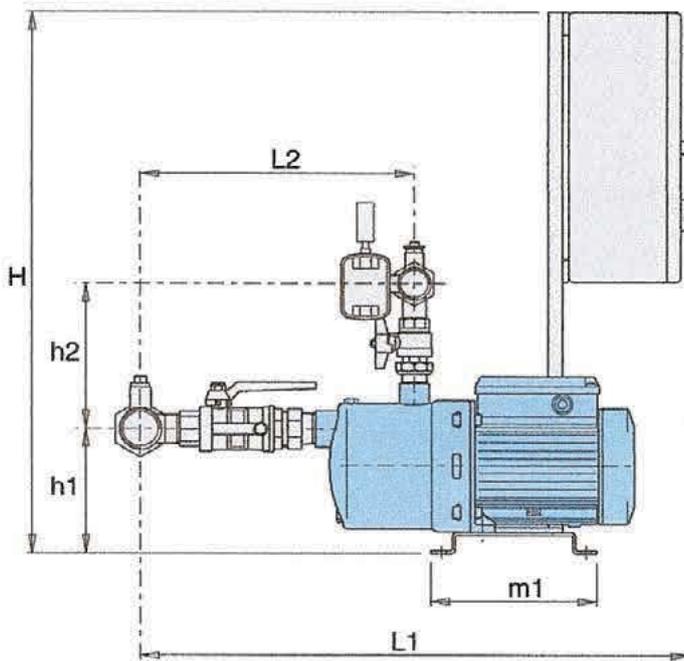
Air Ambient: >40 deg.C

Rated: Continuous service

Performance Data



Dimensions & Weights



Model 400/3/50	Model 230/1/50	Motor Man		ifolds		mm							Wt. Kg**		
		kW	hp	DN1	DN2	H*	h1	h2	L1	L2	m1	B2		B	
2MXH 203E-BL	2MXHM 203E-BL	0.45	0.6			840	162	202	773	355					42
2MXH 204/A-BL	2MXHM 204/A-BL	0.55	0.75	2"	1-1/2"	840	162	202	796	358				47	
2MXH 205/A-BL	2MXHM 205/A-BL	0.75	1			840	162	202	820	382				50	
2MXH 206/A-BL	2MXHM 206/A-BL	1.1	1.5			840	162	202	845	406				54	
2MXH 403/A-BL	2MXHM 403/A-BL	0.55	0.75	2"	1-1/2"	840	162	202	773	335				48	
2MXH 404/A-BL	2MXHM 404/A-BL	0.75	1			840	162	202	796	358	235	625	600	49	
2MXH 405/A-BL	2MXHM 405/A-BL	1.1	1.5			840	162	202	820	382				53	
2MXH 406-BL	2MXHM 406-BL	1.5	2			840	162	202	845	406				57	
2MXH 803-BL	2MXHM 803-BL	1.1	1.5	2-1/2"	2"	840	162	208	866	428				61	
2MXH 804-BL	2MXHM 804-BL	1.5	2			840	162	208	896	458				66	
2MXH 805-BL		1.8	2.5			840	162	208	926	488				68	
2MXH 1602-BL		1.5	2	3"	2-1/2"	1140	151	298	970	496				80	
2MXH 1603-BL		1.8	2.5			1140	151	298	970	496				80	

*Max height to top of vessels when fitted = 972

** Wt excludes vessels

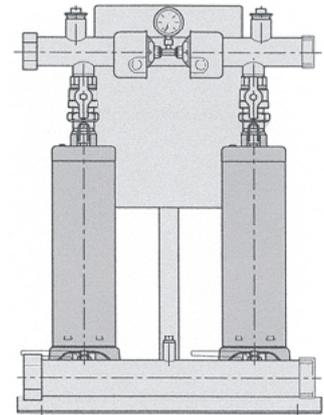
A range of economically priced, low noise twin pump fixed speed booster sets featuring the MXSU all stainless steel, multi-stage centrifugal pump range with encapsulated motor.

Pumps

MXSU vertical , multi-stage, all stainless steel centrifugal pumps with encapsulated motor.

Motors

Stainless steel 2-Pole (2900rpm) induction motors, three phase 230 or 400V-50hz, single phase 230V-50hz, class F insulation, IP68 enclosure, EN60335-2-41.



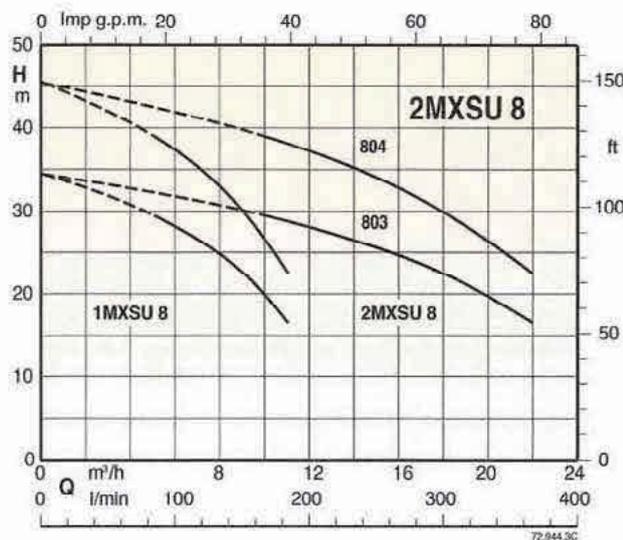
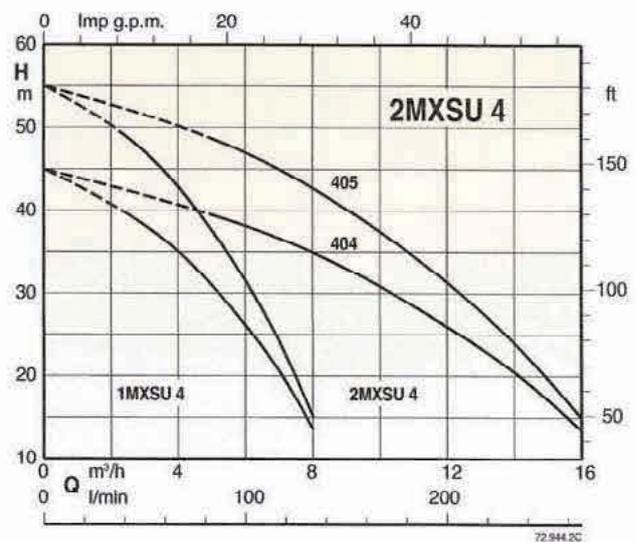
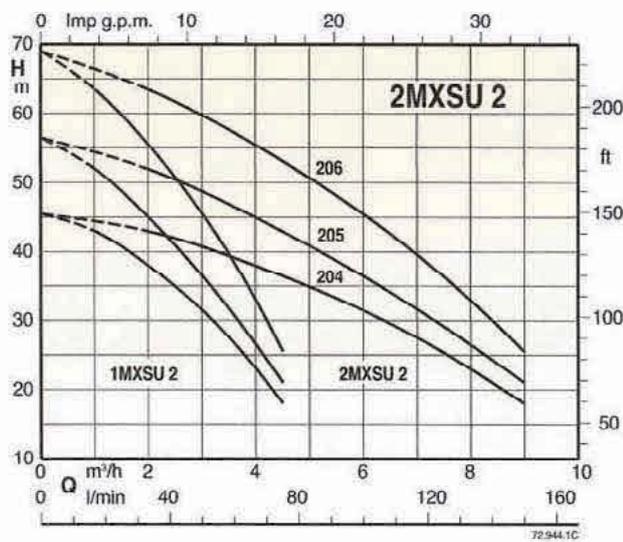
System

One piece stainless steel manifolds, brass valves and fittings, electro-galvanised base frame, 24 ltr accumulators (two options). Fully wired and tested.

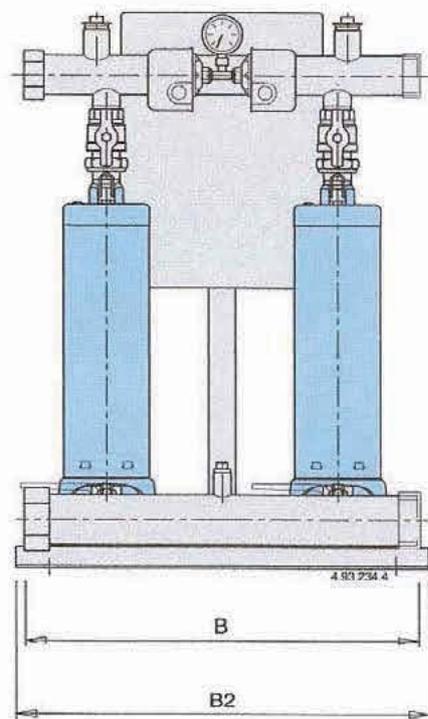
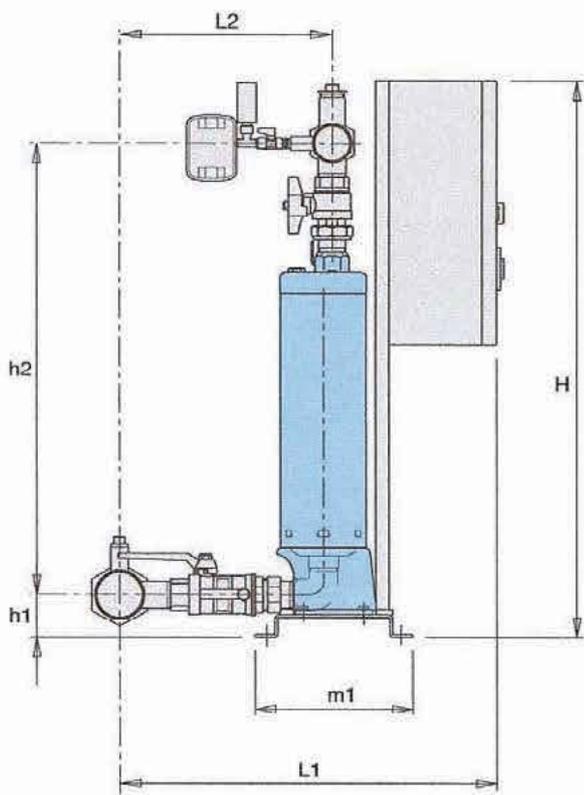
Operating Conditions

Fluid: Clean water	Control: Fixed speed QML/QTL panels via pressure switches
Fluid Temp: >35 deg.C	Max pressure: 10 bar
Air Ambient: Encapsulated motor	Rated: Continuous service

Performance Data



Dimensions & Weights



Model 400/3/50	Model 230/1/50	Motor Man		ifolds		mm							Wt. Kg**	
		kW	hp	DN1	DN2	H*	h1	h2	L1	L2	m1	B2		B
2MXSU 204/A-BL	2MXSUM 204/A-BL	0.55	0.75			840	66	657	630	300				
2MXSU 205/A-BL	2MXSUM 205/A-BL	0.75	1	2"	2"	840	66	681	630	300				
2MXSU 206/A-BL	2MXSUM 206/A-BL	0.9	1.2			840	66	705	630	300				
2MXSU 404/A-BL	2MXSUM 404/A-BL	0.9	1.2	2"	2"	840	66	657	630	300	234	600	625	
2MXSU 405/A-BL	2MXSUM 405/A-BL	1.1	1.5			840	66	681	630	300				
2MXSU 803/A-BL	2MXSUM 803/A-BL	1.1	1.5	2"	2"	840	66	681	630	300				
2MXSU 804/A-BL		1.5	2			840	66	681	630	300				

*Max height to top of vessels = 1200

**Wt excludes vessels

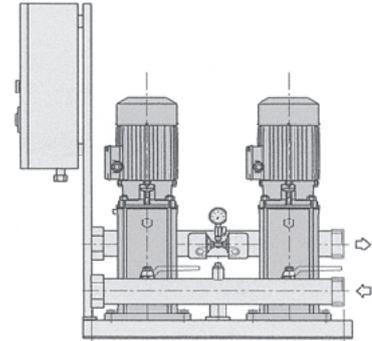
A range of economically priced, twin pump fixed speed booster sets featuring the MXV-B stainless steel, vertical, multi-stage centrifugal pumps.

Pumps

MXV-B vertical, multi-stage, stainless all steel centrifugal pumps.

Motors

Aluminium 2-Pole (2900rpm) induction motors, three phase 230/400V-50hz, single phase 230V-50hz, class F insulation, IP54, IEC34.



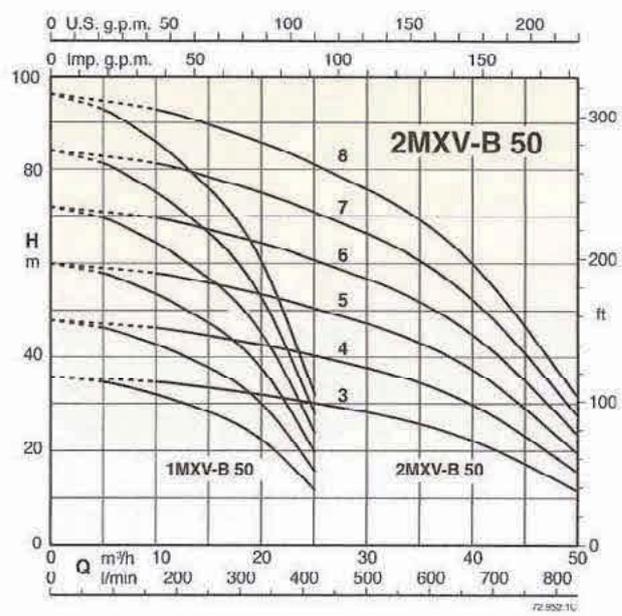
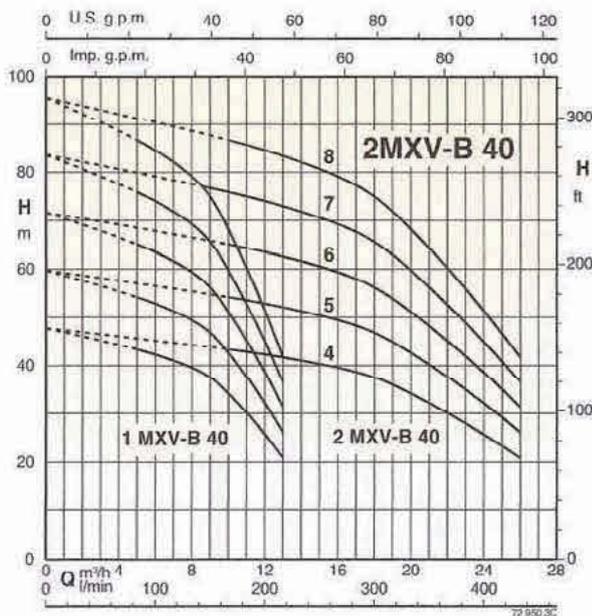
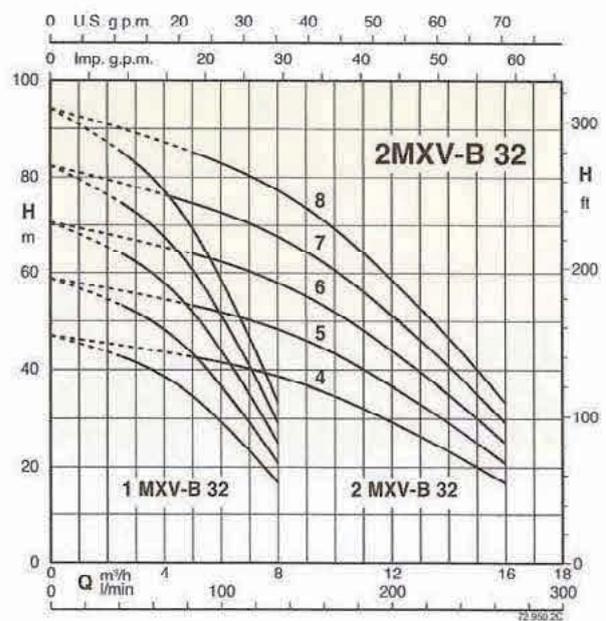
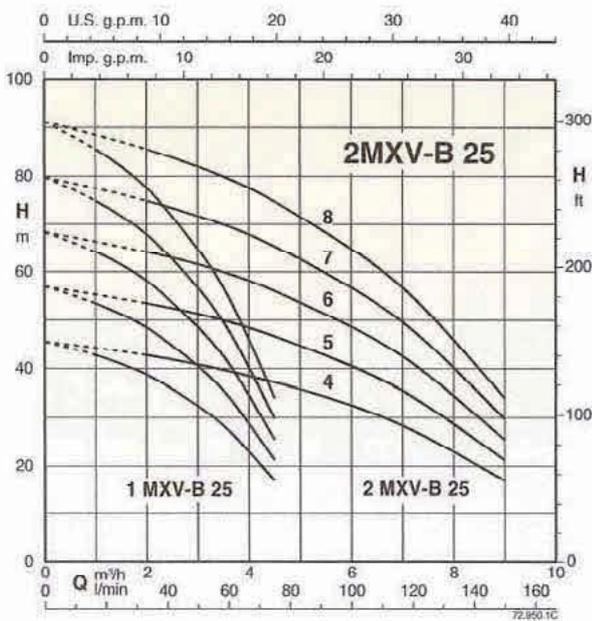
System

One piece stainless steel manifolds, brass valves and fittings, electro-galvanised base frame, 24 ltr accumulators (two options). Fully wired and tested.

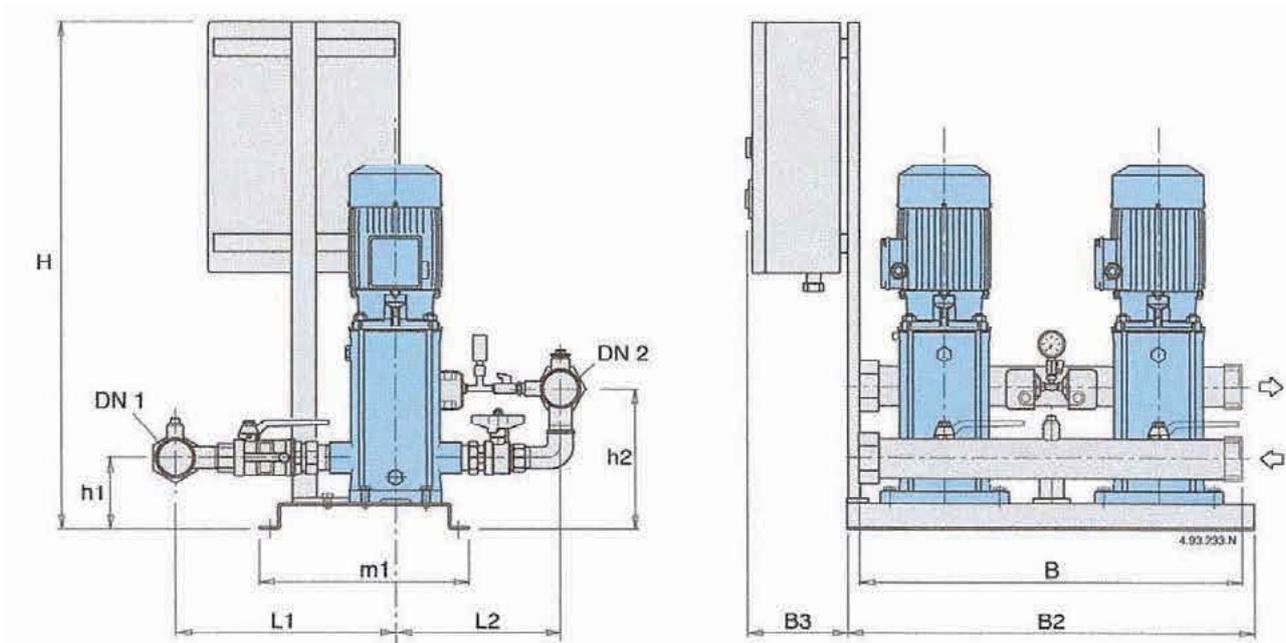
Operating Conditions

Fluid: Clean water	Control: Fixed speed QML/QTL panels via pressure switches
Fluid Temp: >50 deg.C	Max pressure: 10 bar
Air Ambient: >40 deg.C	Rated: Continuous service

Performance Data



Dimensions & Weights



Model 400/3/50	Model 230/1/50	Motor Man ifolds		mm												Wt. Kg**
		kW	hp	DN1	DN2	H*	h1	h2	L1	L2	m1	B	B2	B3		
2MXV-B 25-204-BL	2MXV-BM 25-204-BL	0.75	1	1-1/2"	1-1/2"	860	119	218	331	254	365	600	625	160	105	
2MXV-B 25-205-BL	2MXV-BM 25-205-BL	0.75	1			860	119	218	331	254					107	
2MXV-B 25-206-BL	2MXV-BM 25-206-BL	1.1	1.5			860	119	218	331	254					109	
2MXV-B 25-207-BL	2MXV-BM 25-207-BL	1.1	1.5			860	119	218	331	254					111	
2MXV-B 25-208-BL	2MXV-BM 25-208-BL	1.5	2			860	119	218	331	254					118	
2MXV-B 32-404-BL	2MXV-BM 32-404-BL	1.1	1.5	2"	2"	860	119	225	360	270	365	600	625	160	108	
2MXV-B 32-405-BL	2MXV-BM 32-405-BL	1.1	1.5			860	119	225	360	270					111	
2MXV-B 32-406-BL	2MXV-BM 32-406-BL	1.5	2			860	119	225	360	270					115	
2MXV-B 32-407-BL	2MXV-BM 32-407-BL	1.5	2			860	119	225	360	270					118	
2MXV-B 32-408-BL		2.2	3			860	119	225	360	270					121	
2MXV-B 40-804-BL	2MXV-BM 40-804-BL	1.5	2	2-1/2"	2-1/2"	860	124	245	445	350	365	600	625	160	116	
2MXV-B 40-805-BL		2.2	3			860	124	245	445	350					119	
2MXV-B 40-806-BL		2.2	3			860	124	245	445	350					121	
2MXV-B 40-807-BL		3	4			860	124	245	445	350					143	
2MXV-B 40-808-BL		3	4			860	124	245	445	350					145	
2MXV-B 50-1803-BL		2.2	3	3"	3"	906	215	215	495	405	550	700	950	160	208	
2MXV-B 50-1804-BL		3	4			906	215	215	495	405					228	
2MXV-B 50-1805-BL		3.7	5			906	215	215	495	405					238	
2MXV-B 50-1806-BL		4	5.5			906	215	215	495	405					240	
2MXV-B 50-1807-BL		5.5	7.5			906	215	215	495	405					262	
2MXV-B 50-1808-BL		5.5	7.5			906	215	215	495	405					264	

*Max height to top of vessels = 875

**Wt excludes vessels

2MXV50 models cannot be fitted with the SS24 or PWB24 vessel kits, but are designed to be used with larger 'free standing vessels.

Control Panel

The Easy mat is equipped with a control panel for simple system programming and parameter monitoring.

The 2 scroll buttons are used to scroll through the different operating parameters the Easymat can display.

At the same time you can use the 2 scroll buttons to move around the setup menu and to change the various options.

The custom LCD display gives a clear overview of the system condition and operating parameters. The icons above and below the display confirm the mode in which the Easymat is working and highlight any problems.

The 4 set-up buttons allow the operator to move between the set-up menus and to start and stop the pump/s. The symbols are designed to make the various functions of each button clear. With these 4 buttons and the two scroll buttons you can manage all the set-up and operating parameters without the use of an external controller or computer.



LCD Display



The integrated LCD custom display gives you an easy overview of the system condition and operating parameters.



Display Area. The display area shows the status of the parameters of the pump/s

The **Operating Icons** show in which mode the system is operating.



Constant pressure mode.

The system keeps the pressure constant as the demand for water changes. The user can choose the operating pressure as required.



Fixed speed mode.

The system works at a fixed speed which can be determined by the user as required.

The **System Icons** show in which way the system is operating.



Auto mode.

The icon shows that the system is operating in auto mode (constant pressure). The constant pressure icon will be shown on the lower section of the display.



Manual mode.

The icon shows that the system is operating in manual mode (fixed speed). With the navigation buttons the user can change the speed. The fixed speed icon will be shown on the lower section of the display.



Set-up mode.

The icon shows that the set-up menu is activated, in this mode it is possible to change all the operating parameters of the Easymat. Using the navigation buttons it is possible to scroll through the parameters and change them as required.



Sensor state.

This indicates the state of the pressure transducer connected to the Easymat. When lit it indicates that the transducer is working correctly, if flashing it indicates a transducer fault or incorrect connection.



Alarm.

This indicates that there is a fault on the system. A corresponding error number will be shown on the display.



Cascade mode.

This indicates that the multi-pump mode (max 2 pumps) is operating. The upper icon displays if the pump connected with the inverter is running or is in stand-by. The lower icon when lit indicates if the pump is the master unit or slave unit when flashing.

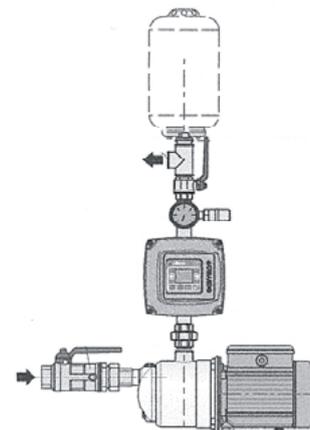
A range of economically priced, one pump variable speed booster sets featuring the MXP stainless steel, multi-stage pump range.

Pumps

MXP horizontal, multi-stage, stainless steel centrifugal pumps with plastic impellers and diffusers.

Motors

Aluminium 2-Pole (2900rpm) induction motors, three phase 230V-50hz, class F insulation, IP54 enclosure, IEC34.



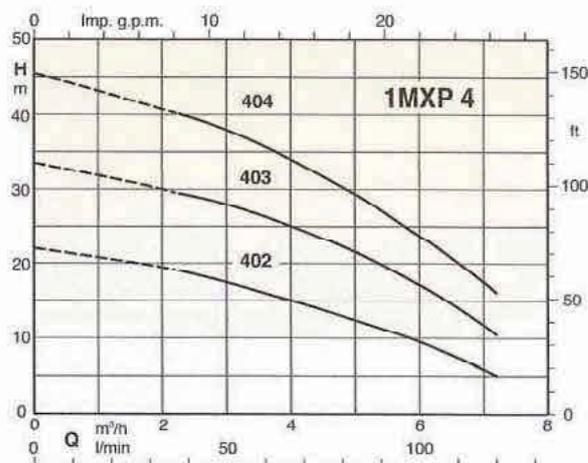
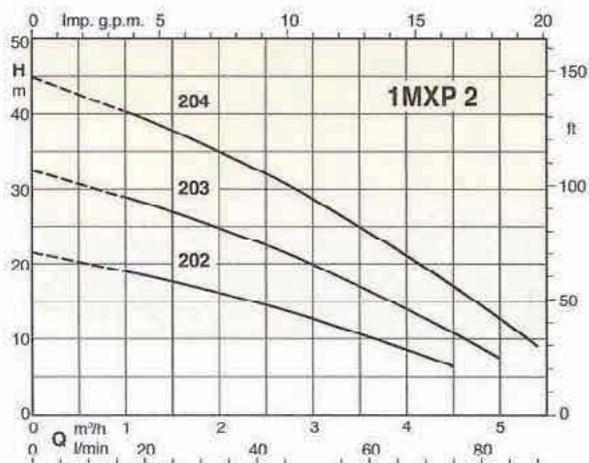
System

Pump fitted with brass valves and fittings, 2 ltr pressureWave© accumulator and pressure gauge. Control via an Easymat EMT programmable variable speed controller 230/1/50 input.

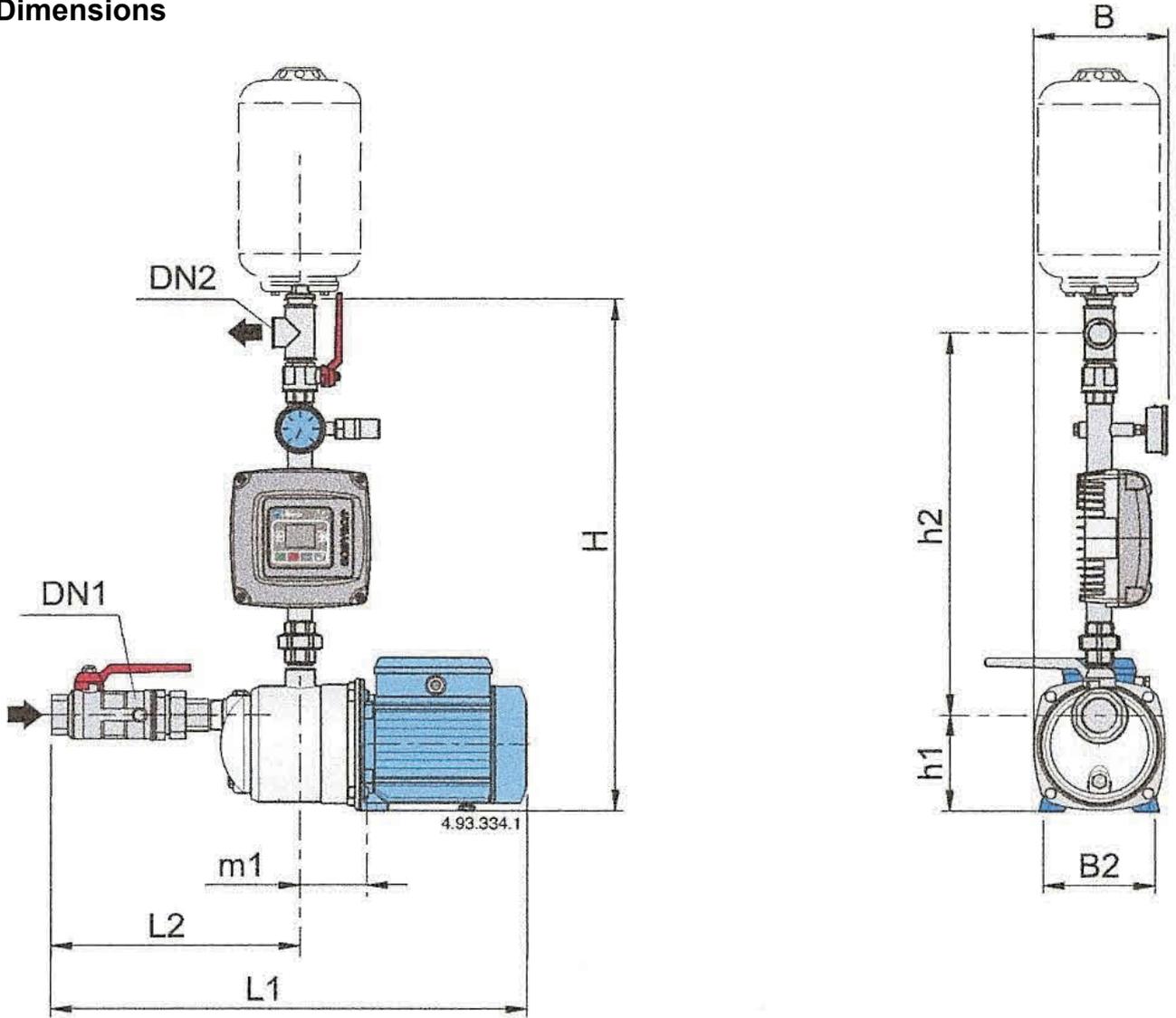
Operating Conditions

Fluid: Clean water	Control: Easymat EMT controller via pressure transducer
Fluid Temp: >35 deg.C	Max pressure: 10 bar
Air Ambient: >40 deg.C	Rated: Continuous service

Performance Data



Dimensions



Mains 230/1/50 Motor 230/3/50	P2 DN1		DN2	H*	h1 h2		L1 L2		m1	B	B2
	kW	hp			mm	mm	mm	mm			
1MXP 202-EMT-2	0.33	0.45					516				
1MXP 203-EMT-2	0.45	0.55	1"	1"	680	127 495	516 269		95	165 146	
1MXP 204/A-EMT-2	0.55	0.75					545				
1MXP 402-EMT-2	0.45	0.55					516				
1MXP 403/A-EMT-2	0.55	0.75 680	1"	1"		127 495	545 269		95	165 146	
1MXP 404/A-EMT-2	0.75	1					545				

*Max height to top of vessel = 960

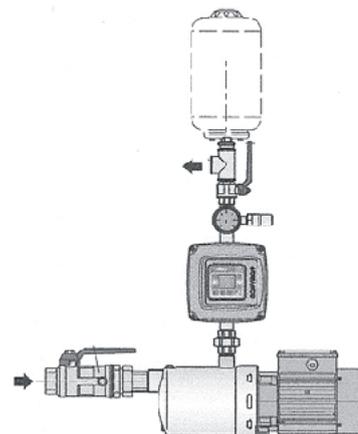
A range of economically priced, one pump variable speed booster sets featuring the MXH all stainless steel, multi-stage pump range.

Pumps

MXH horizontal, multi-stage, all stainless steel centrifugal pumps.

Motors

Aluminium 2-Pole (2900rpm) induction motors, three phase 230V-50hz, class F insulation, IP54 enclosure, IEC34.



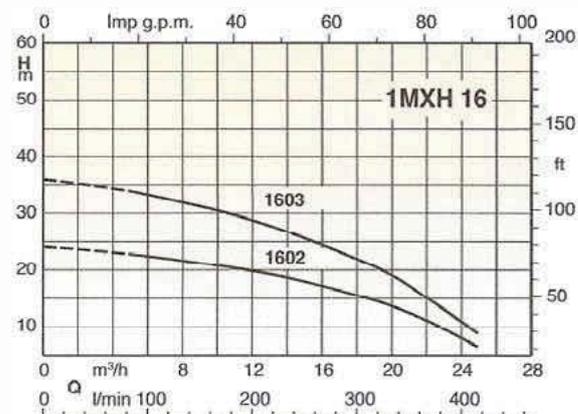
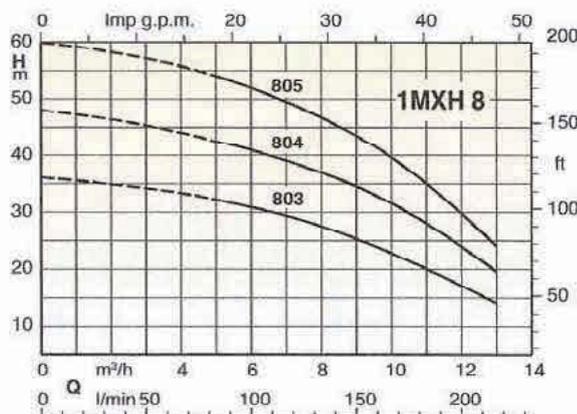
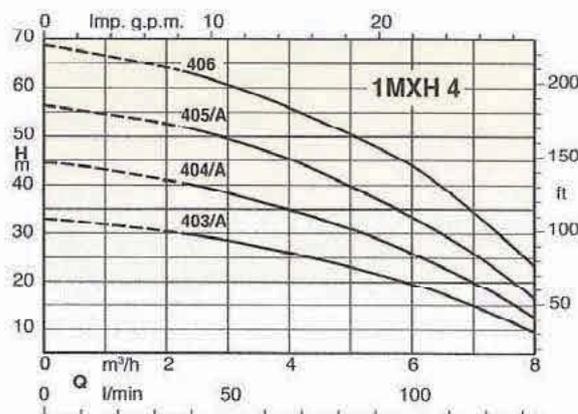
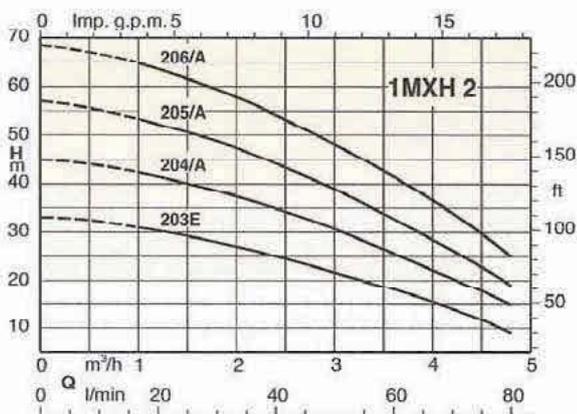
System

Pump fitted with brass valves and fittings, 2 ltr pressureWave© accumulator and pressure gauge. Control via an Easymat EMT programmable variable speed controller 230/1/50 input.

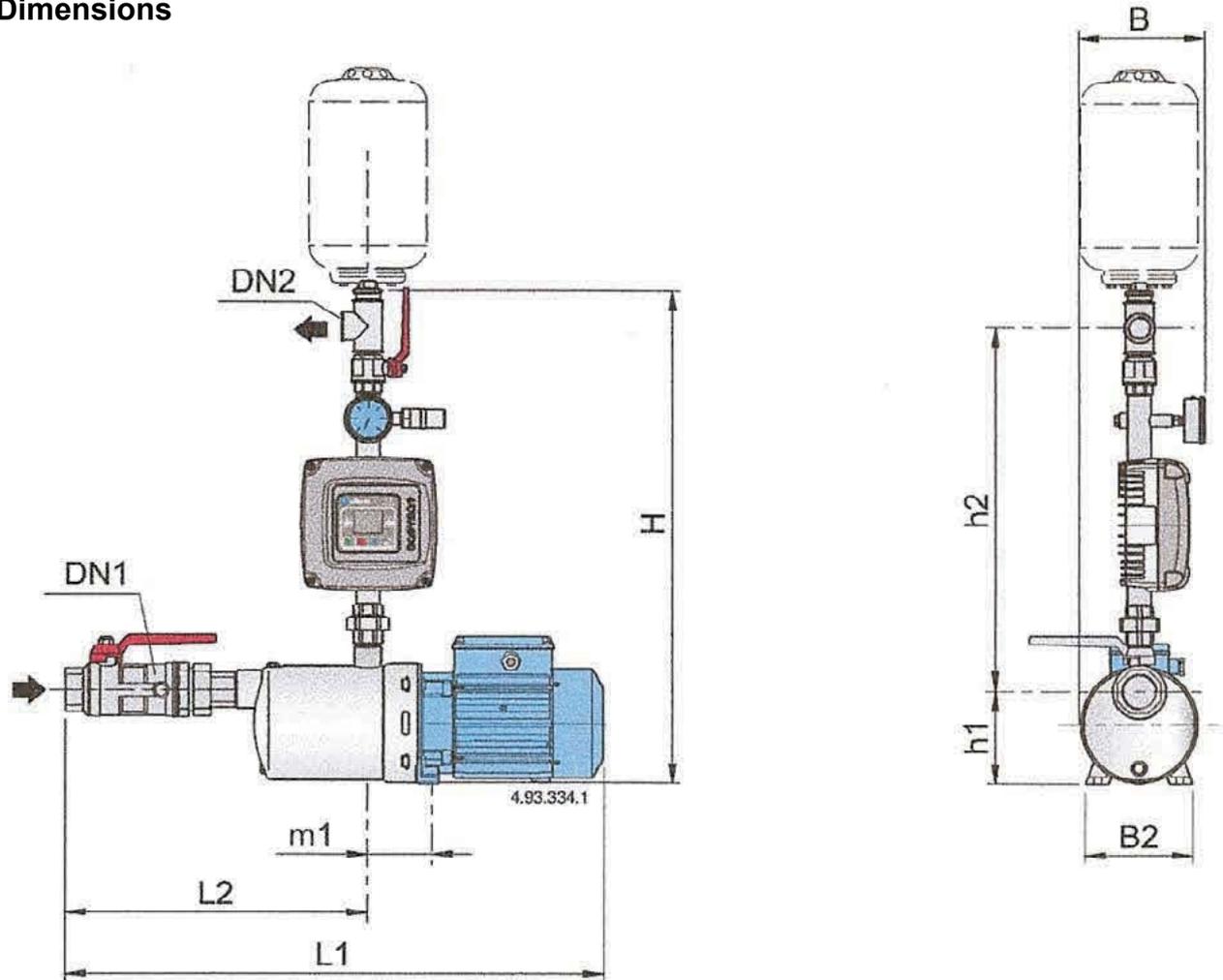
Operating Conditions

Fluid: Clean water	Control: Easymat EMT controller via pressure transducer
Fluid Temp: >50 deg.C	Max pressure: 10 bar
Air Ambient: >40 deg.C	Rated: Continuous service

Performance Data



Dimensions



Mains 230/1/50 Motor 230/3/50	P2 DN1		DN2	mm								
	kW	hp		H*	h1 h2	L1	L2	m1	B	B2		
1MXH 203E-EMT-2	0.45	0.6	1-1/4"	1"	708	127	516	511	274	88	165	146
1MXH 204/A-EMT-2	0.55	0.75						561	298			
1MXH 205/A-EMT-2	0.75	1						585	322			
1MXH 206/A-EMT-2	1.1	1.5	1-1/4"	1"	708	127	516	609	346	88	165	146
1MXH 403/A-EMT-2	0.55	0.75						537	274			
1MXH 404/A-EMT-2	0.75	1						561	298			
1MXH 405/A-EMT-2	1.1	1.5						585	322			
1MXH 406-EMT-2	1.5	2	1-1/2"	1"	708	127	516	680	346	88	165	146
1MXH 803-EMT-2	1.1	1.5						657	323			
1MXH 804-EMT-2	1.5	2						687	353			
1MXH 805-EMT-2	1.8	2.5	2"	1-1/2"	750	117	560	717	383	101	165	146
1MXH 1602-EMT-2	1.5	2						752 404				
1MXH 1603-EMT-2	1.8	2.5						752	404			

*Max height to top of vessel = 1030

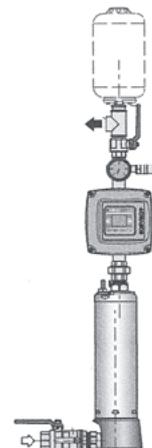
A range of economically priced, low noise, one pump variable speed booster sets featuring the MXSU all stainless steel, multi-stage pump range.

Pumps

MXSU vertical, multi-stage, stainless steel centrifugal pumps with encapsulated motor.

Motors

Stainless 2-Pole (2900rpm) induction motors, three phase 230V-50hz, single phase 230V-50hz, class F insulation, IP68 enclosure, EN60335-2-41.



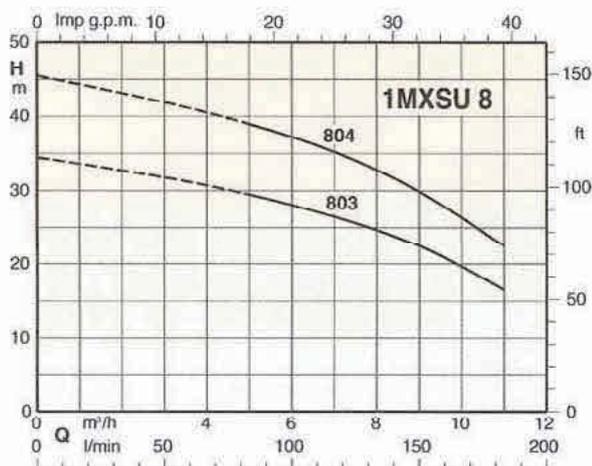
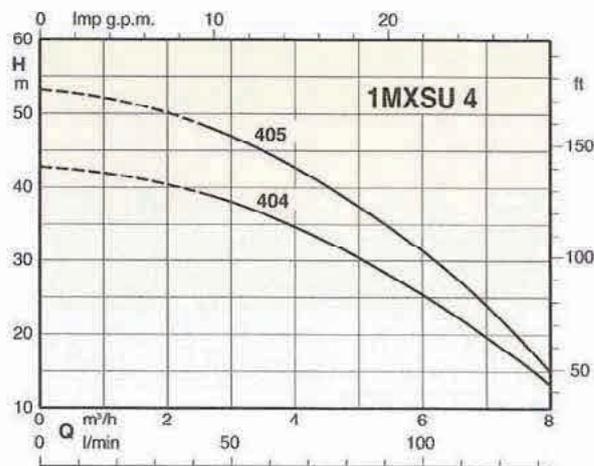
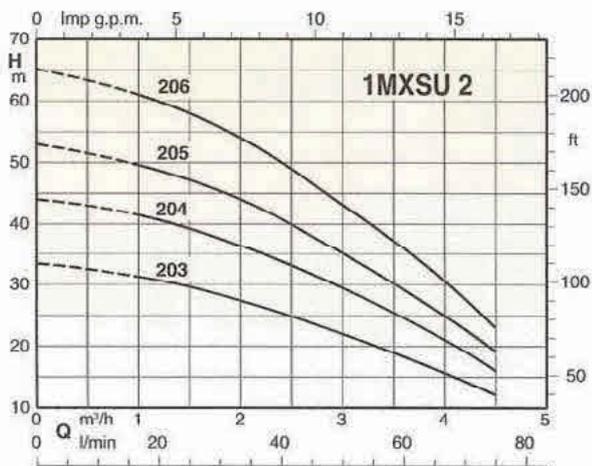
System

Pump fitted with brass valves and fittings, 2 ltr pressureWave© accumulator and pressure gauge. Control via an Easymat EMT programmable variable speed controller 230/1/50 input.

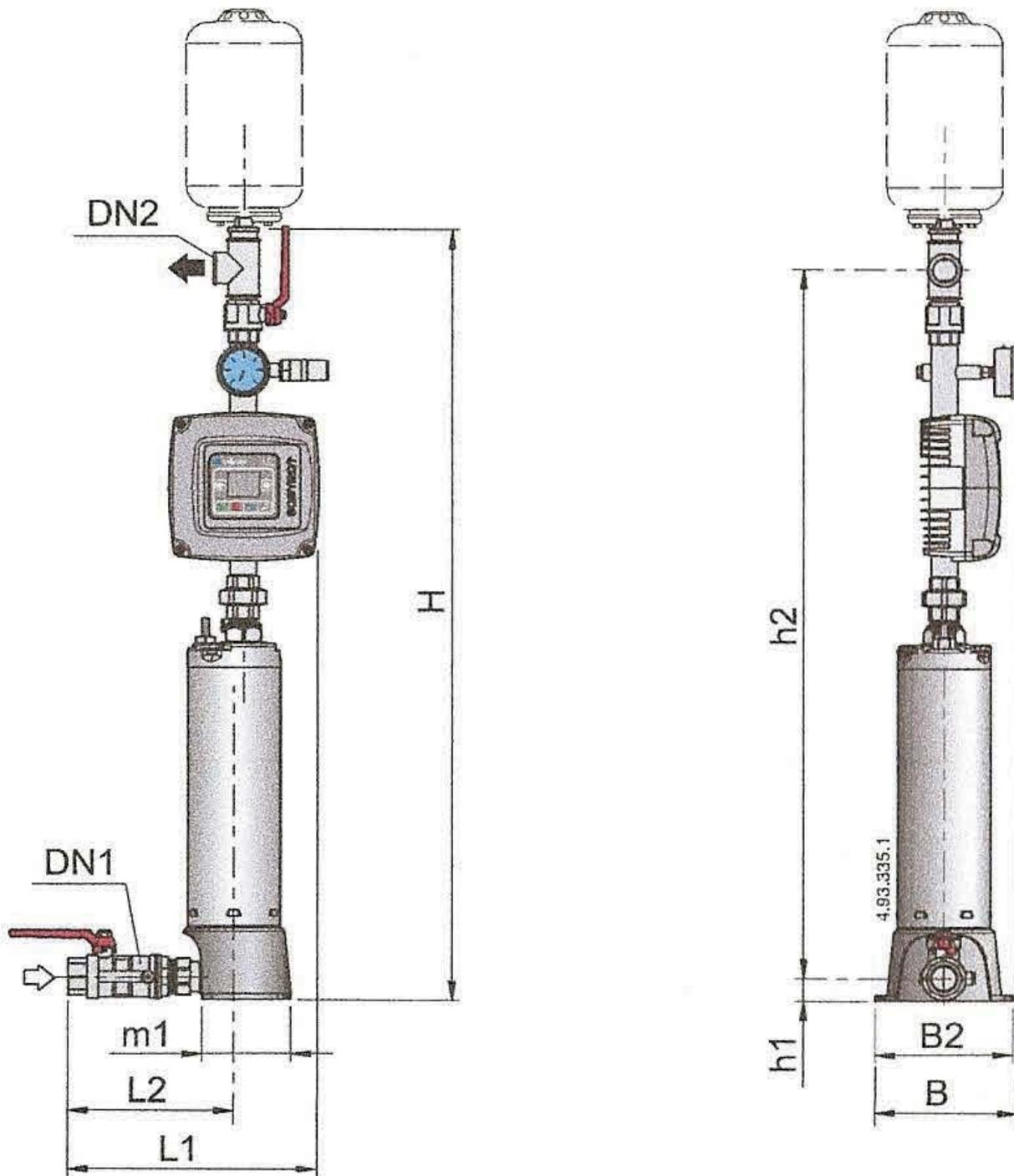
Operating Conditions

Fluid: Clean water	Control: Easymat EMT controller via pressure transducer
Fluid Temp: >35 deg.C	Max pressure: 10 bar
Air Ambient: Encapsulated motor	Rated: Continuous service

Performance Data



Dimensions



Mains 230/1/50 Motor 230/3/50	P2 DN1		DN2	mm								
	kW	hp		H	h1 h2	L1	L2	m1	B	B2		
1MXSU 204/A-EMT-2	0.55	0.75		1071		973						
1MXSU 205/A-EMT-2	0.75	1	1-1/4"	1095	32	997	304	225	123	190	190	
1MXSU 206/A-EMT-2	0.9	1.2		1119		1021						
1MXSU 404/A-EMT-2	0.9	1.2		1071		973						
1MXSU 405/A-EMT-2	1.1	1.5	1-1/4"	1095	32	997	304	225	123	190	190	
1MXSU 803/A-EMT-2	1.1	1.5	1-1/4"	1095		997						
1MXSU 804/A-EMT-2	1.5	2	1-1/4"	1095	32	997	304	225	123	190	190	

Max height to top of vessel = 1375

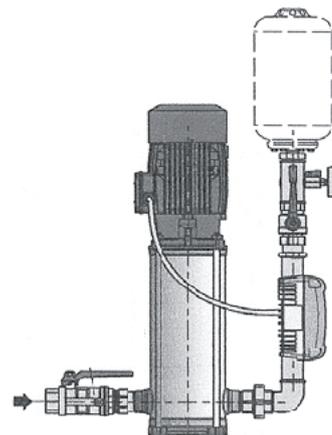
A range of economically priced, one pump variable speed booster sets featuring the MXV-B stainless steel, vertical, multi-stage centrifugal pump range.

Pumps

MXV-B vertical, multi-stage, stainless steel centrifugal pumps.

Motors

Aluminium 2-Pole (2900rpm) induction motors, three phase 230V-50hz, class F insulation, IP54 enclosure, IEC34.



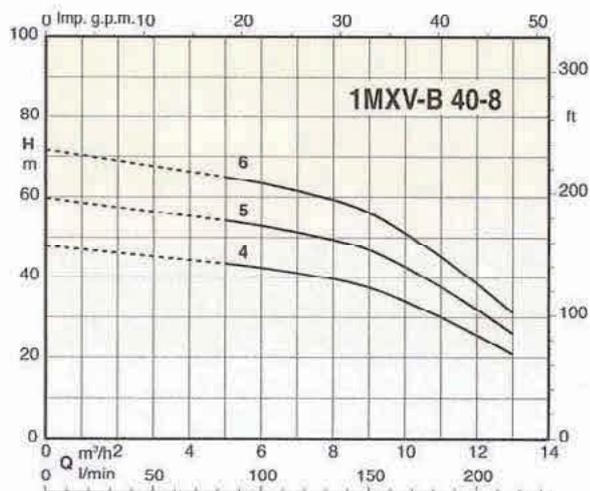
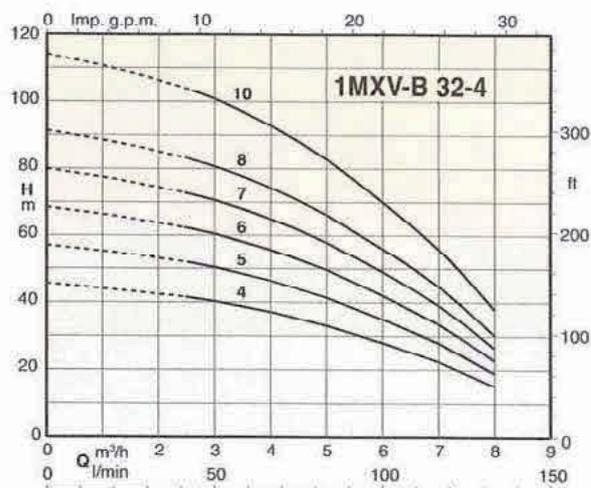
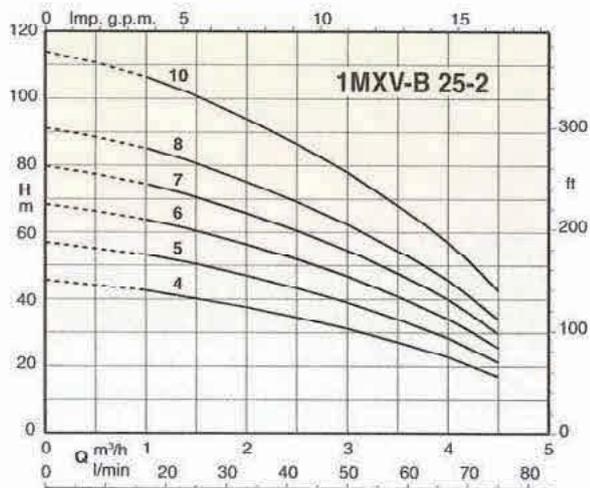
System

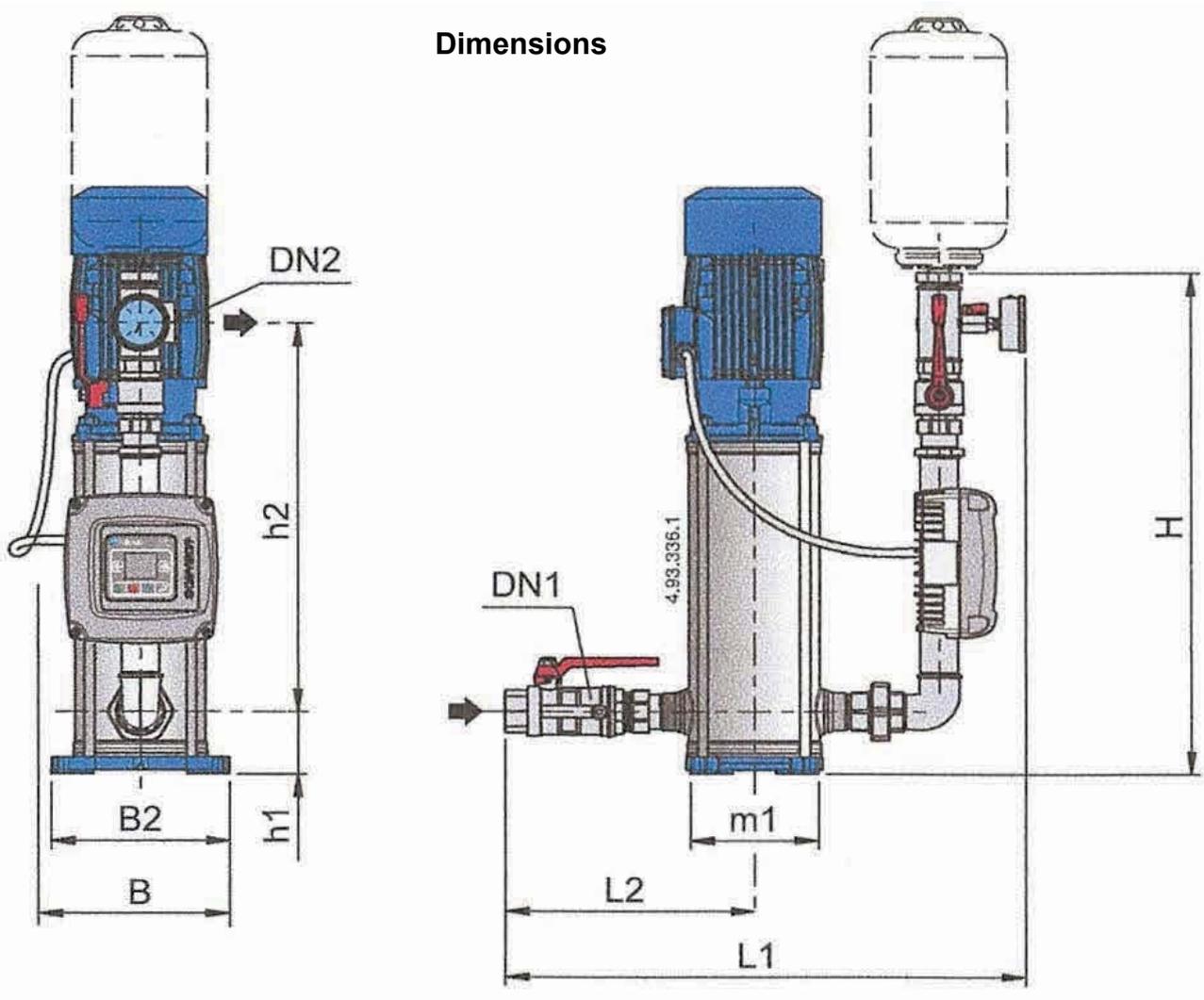
Pump fitted with brass valves and fittings, 2 ltr pressureWave© accumulator and pressure gauge. Control via an Easymat EMT programmable variable speed controller 230/1/50 input.

Operating Conditions

Fluid: Clean water	Control: Easymat EMT controller via pressure transducer
Fluid Temp: >50 deg.C	Max pressure: 10 bar
Air Ambient: >40 deg.C	Rated: Continuous service

Performance Data





Mains 230/1/50 Motor 230/3/50	P2 DN1		DN2	mm								
	kW	hp		H	h1 h2	L1	L2	m1	B	B2		
1MXV-B 25-204-EMT-2	0.75	1	1"	1"	577	75	437	588	262	150	218	210
1MXV-B 25-205-EMT-2	0.75	1										
1MXV-B 25-206-EMT-2	1.1	1.5										
1MXV-B 25-207-EMT-2	1.1	1.5										
1MXV-B 25-208-EMT-2	1.5	2										
1MXV-B 25-210-EMT-2	1.5	2										
1MXV-B 32-404-EMT-2	1.1	1.5	1-1/4"	1-1/4"	600	75	458	633	288	150	218	210
1MXV-B 32-405-EMT-2	1.1	1.5										
1MXV-B 32-406-EMT-2	1.5	2										
1MXV-B 32-407-EMT-2	1.5	2										
1MXV-B 32-408-EMT-2	2.2	3										
1MXV-B 32-410-EMT-2	2.2	3										
1MXV-B 40-804-EMT-2	1.5	2	1-1/2"	1-1/2"	623	80	470	675	318	190	246	246
1MXV-B 40-805-EMT-2	2.2	3										
1MXV-B 40-806-EMT-2	2.2	3										

Max height to top of vessel = 903

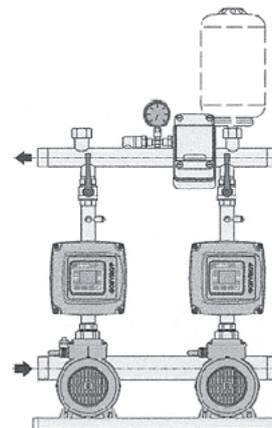
A range of economically priced, twin pump variable speed booster sets featuring the MXP stainless steel, multi-stage pump range.

Pumps

MXP horizontal, multi-stage, stainless steel centrifugal pumps with plastic impellers and diffusers.

Motors

Aluminium 2-Pole (2900rpm) induction motors, three phase 230V-50hz, class F insulation, IP54 enclosure, IEC34.



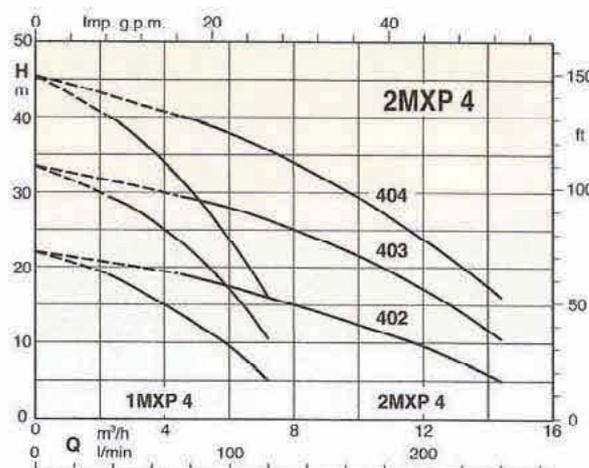
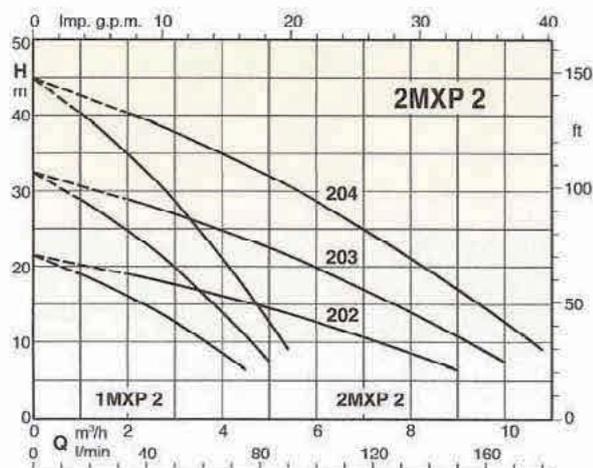
System

Pumps on common galvanised base and fitted with stainless manifolds, brass valves and fittings, 24 ltr pressureWave© accumulator and pressure gauge. Control via 2 x Easymat EMT programmable variable speed controllers 230/1/50 input.

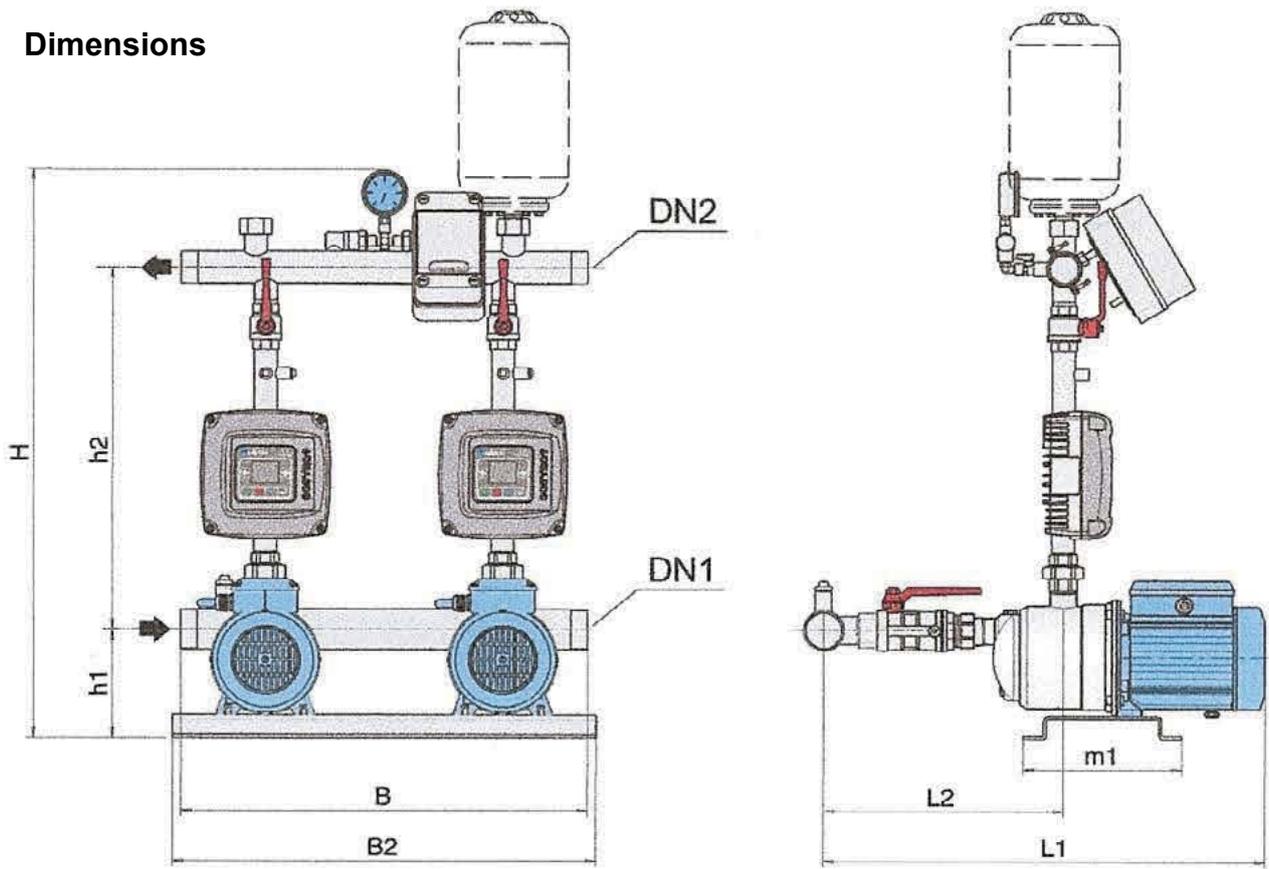
Operating Conditions

Fluid: Clean water	Control: Easymat EMT controller via pressure transducer
Fluid Temp: >35 deg.C	Max pressure: 10 bar
Air Ambient: >40 deg.C	Rated: Continuous service

Performance Data



Dimensions



Mains 230/1/50 Motor 230/3/50	P2 DN1		DN2	H*	h1 h2	mm					
	kW	hp				L1	L2	m1	B	B2	
2MXP 202-EMT-24	0.33	0.45					573				
2MXP 203-EMT-24	0.45	0.55	2"	841	150 510	573	326		240 600	625	
2MXP 204/A-EMT-24	0.55	0.75					602				
2MXP 402-EMT-24	0.45	0.55					573				
2MXP 403/A-EMT-24	0.55	0.75	2"	841	150 510	510	602 326		240 600	625	
2MXP 404/A-EMT-24	0.75	1					602				

*Max height to top of vessel = 1000

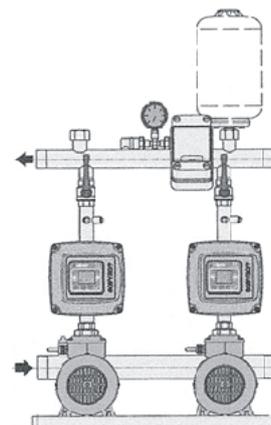
A range of economically priced, twin pump variable speed booster sets featuring the MXH all stainless steel, multi-stage pump range.

Pumps

MXH horizontal, multi-stage, all stainless steel centrifugal pumps.

Motors

Aluminium 2-Pole (2900rpm) induction motors, three phase 230V-50hz, class F insulation, IP54 enclosure, IEC34.



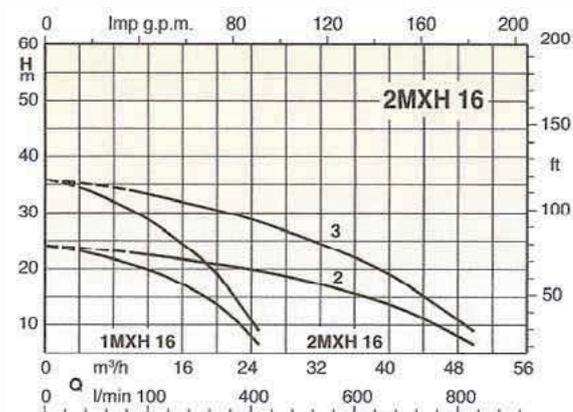
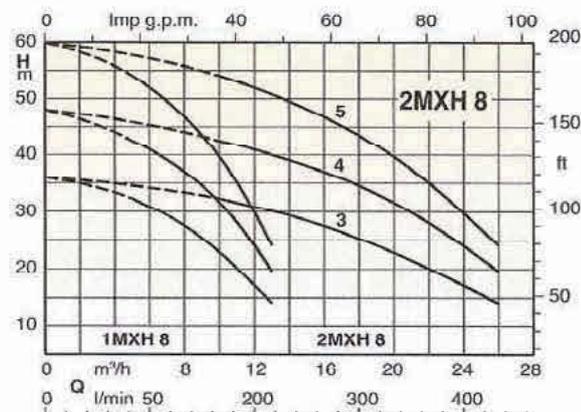
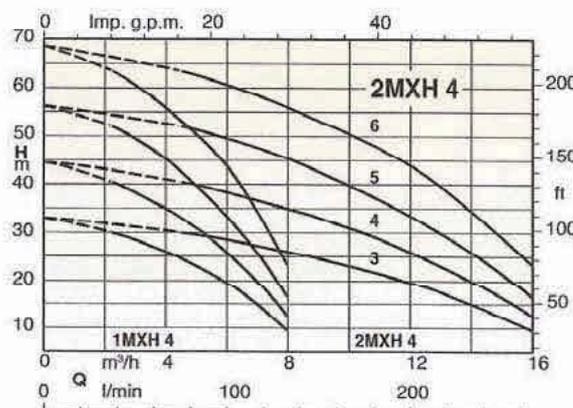
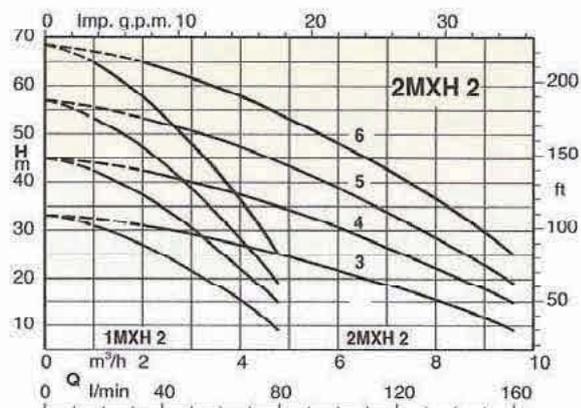
System

Pumps on common galvanised base and fitted with stainless manifolds with brass valves and fittings, 24 ltr pressureWave© accumulator and pressure gauge. Control via 2 x Easymat EMT programmable variable speed controllers 230/1/50 input.

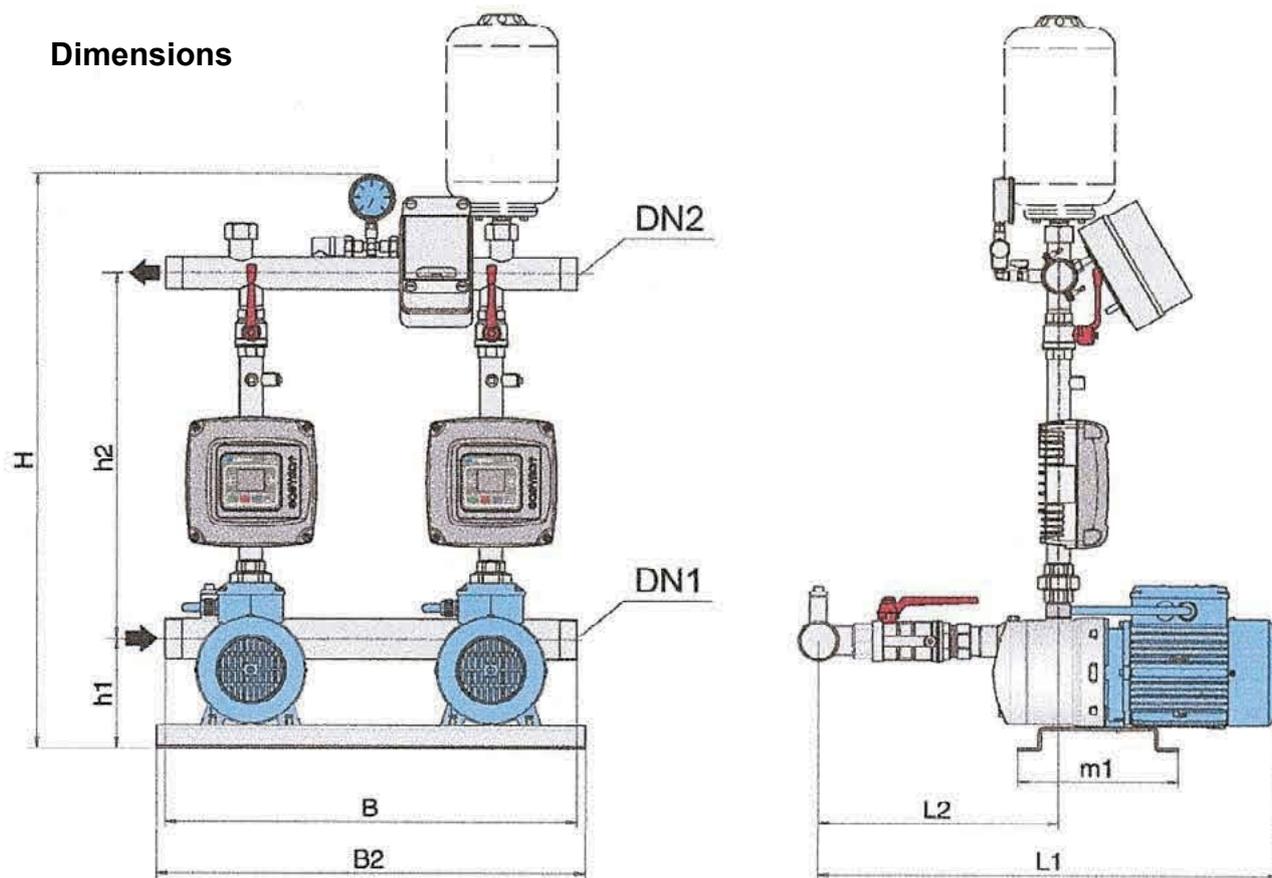
Operating Conditions

Fluid: Clean water	Control: Easymat EMT controller via pressure transducer
Fluid Temp: >50 deg.C	Max pressure: 10 bar
Air Ambient: >40 deg.C	Rated: Continuous service

Performance Data



Dimensions



Mains 230/1/50 Motor 230/3/50	P2 DN1		DN2	mm								
	kW	hp		H*	h1 h2	L1	L2	m1	B	B2		
2MXH 203E-EMT-24	0.45	0.6	2"	1-1/2"	848	161	506	563	326	240	600	625
2MXH 204/A-EMT-24	0.55	0.75						613	350			
2MXH 205/A-EMT-24	0.75	1						637	374			
2MXH 206/A-EMT-24	1.1	1.5						661	398			
2MXH 403/A-EMT-24	0.55	0.75	2"	1-1/2"	848	161	506	589	326	240	600	625
2MXH 404/A-EMT-24	0.75	1						613	350			
2MXH 405/A-EMT-24	1.1	1.5						637	374			
2MXH 406-EMT-24	1.5	2						732	398			
2MXH 803-EMT-24	1.1	1.5	2-1/2"	2"	854	161	512	727	393	240	600	625
2MXH 804-EMT-24	1.5	2						757	423			
2MXH 805-EMT-24	1.8	2.5						787	453			
2MXH 1602-EMT-24	1.5	2	3"	2-1/2"	882	151	551	829	481	240	600	625
2MXH 1603-EMT-24	1.8	2.5						829	481			

*Max height to top of vessel = 1055

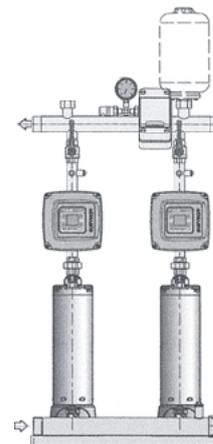
A range of economically priced, low noise, twin pump variable speed booster sets featuring the MXSU all stainless steel, multi-stage pump range.

Pumps

MXSU vertical, multi-stage, stainless steel centrifugal pumps with encapsulated motor.

Motors

Stainless 2-Pole (2900rpm) induction motors, three phase 230V-50hz, single phase 230V-50hz, class F insulation, IP68 enclosure, EN60335-2-41.



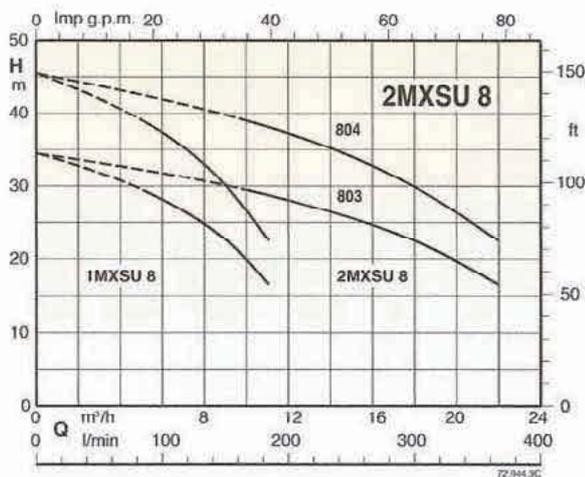
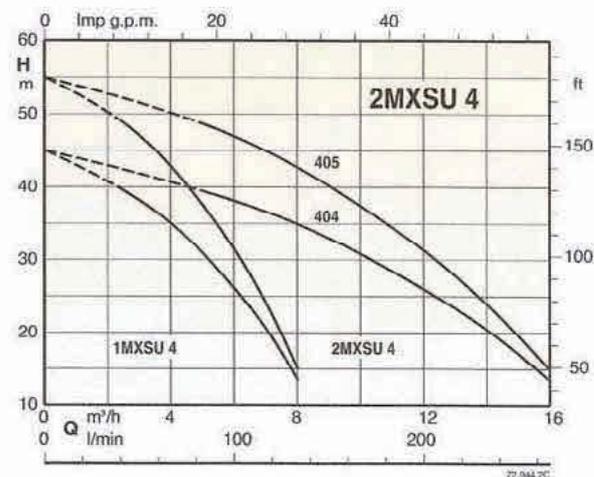
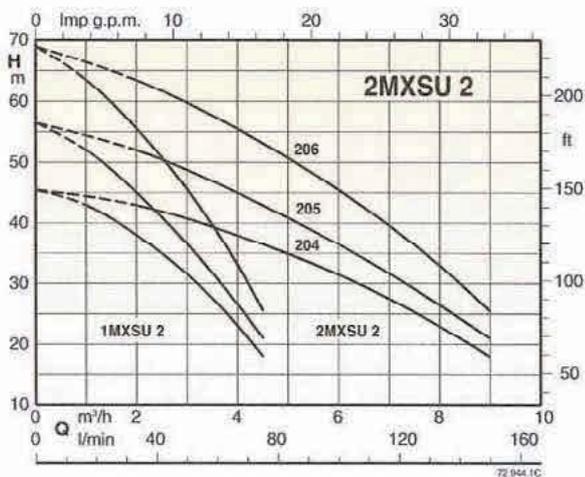
System

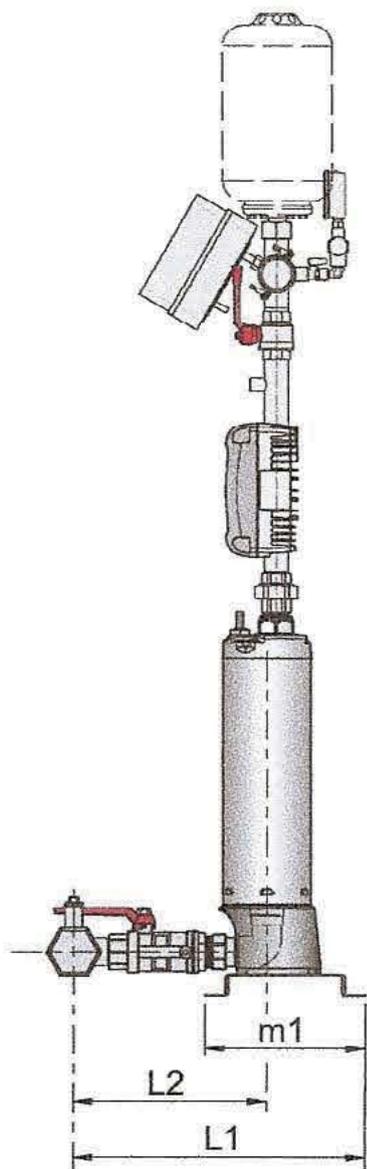
Pumps on common galvanised base and fitted with stainless manifolds brass valves and fittings, 24 ltr pressureWave© accumulator and pressure gauge. Control via 2 x Easymat EMT programmable variable speed controllers 230/1/50 input.

Operating Conditions

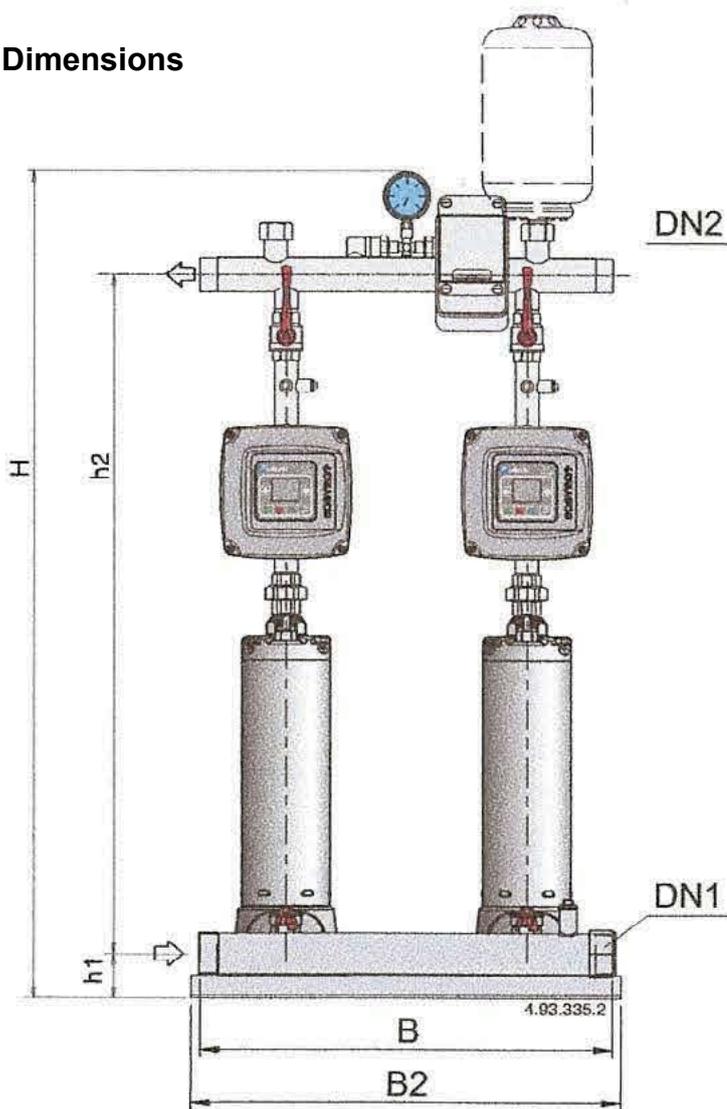
Fluid: Clear water	Control: Easymat EMT controller via pressure transducer
Fluid Temp: >35 deg.C	Max pressure: 10 bar
Air Ambient: Encapsulated motor	Rated: Continuous service

Performance Data





Dimensions



Mains 230/1/50 Motor 230/3/50	P2 DN1		DN2	mm								
	kW	HP		H*	h1	h	2 L	1 L	2	m1	B	B2
2MXSU 204/A-EMT-24	0.55	0.75		1205		958						
2MXSU 205/A-EMT-24	0.75	1	2"	1229	66	982	417	277	240	600	625	
2MXSU 206/A-EMT-24	0.9	1.2		1253		1006						
2MXSU 404/A-EMT-24	0.9	1.2	2"	1205		958						
2MXSU 405/A-EMT-24	1.1	1.5	2"	1229	66	982	417	277	240	600	625	
2MXSU 803/A-EMT-24	1.1	1.5	2"	1229		982						
2MXSU 804/A-EMT-24	1.5	2	2"	1229	66	982	417	277	240	600	625	

*Max Height to top of vessel = 1417

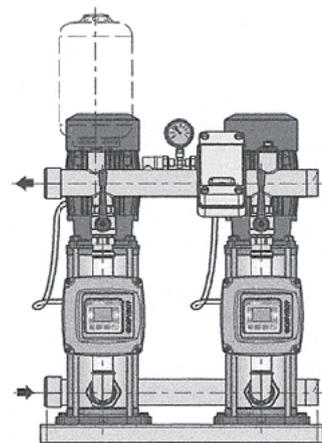
A range of economically priced, twin pump variable speed booster sets featuring the MXV-B stainless steel, vertical, multi-stage centrifugal pump range.

Pumps

MXV-B vertical, multi-stage, stainless steel centrifugal pumps.

Motors

Aluminium 2-Pole (2900rpm) induction motors, three phase 230V-50hz, class F insulation, IP54 enclosure, IEC34.



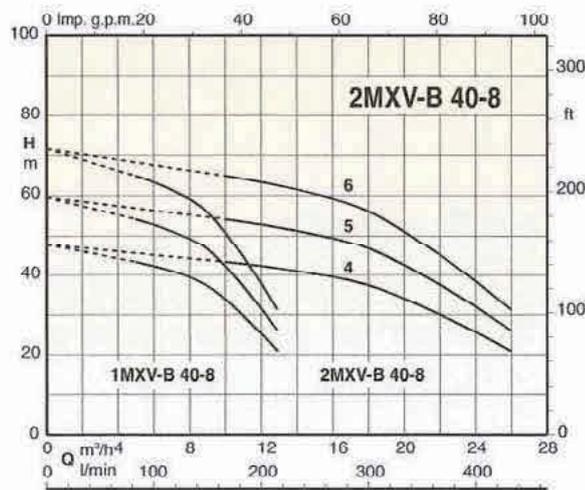
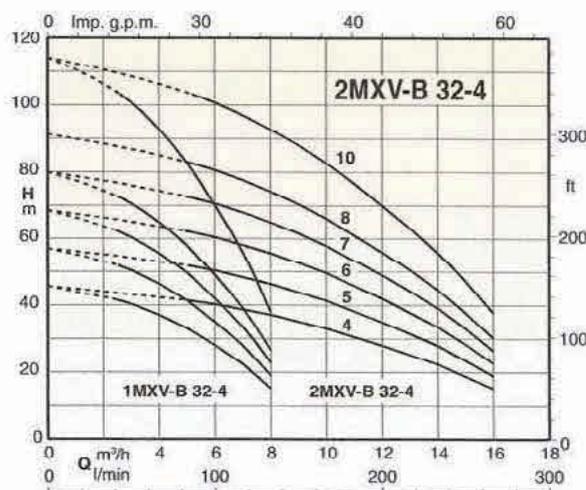
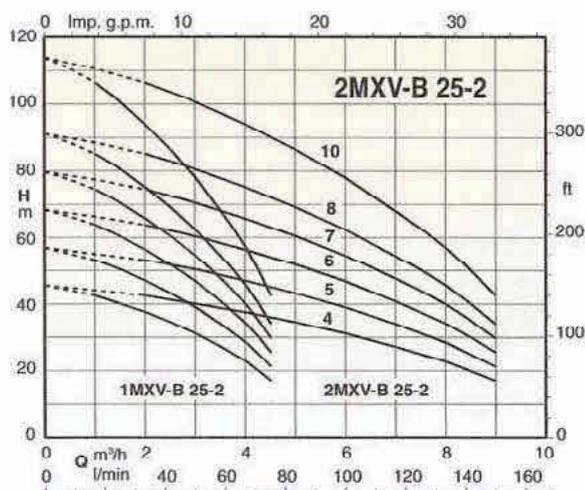
System

Pumps on common galvanised base and fitted with stainless manifolds brass valves and fittings, 24 ltr pressureWave© accumulator and pressure gauge. Control via 2 x Easymat EMT programmable variable speed controllers 230/1/50 input.

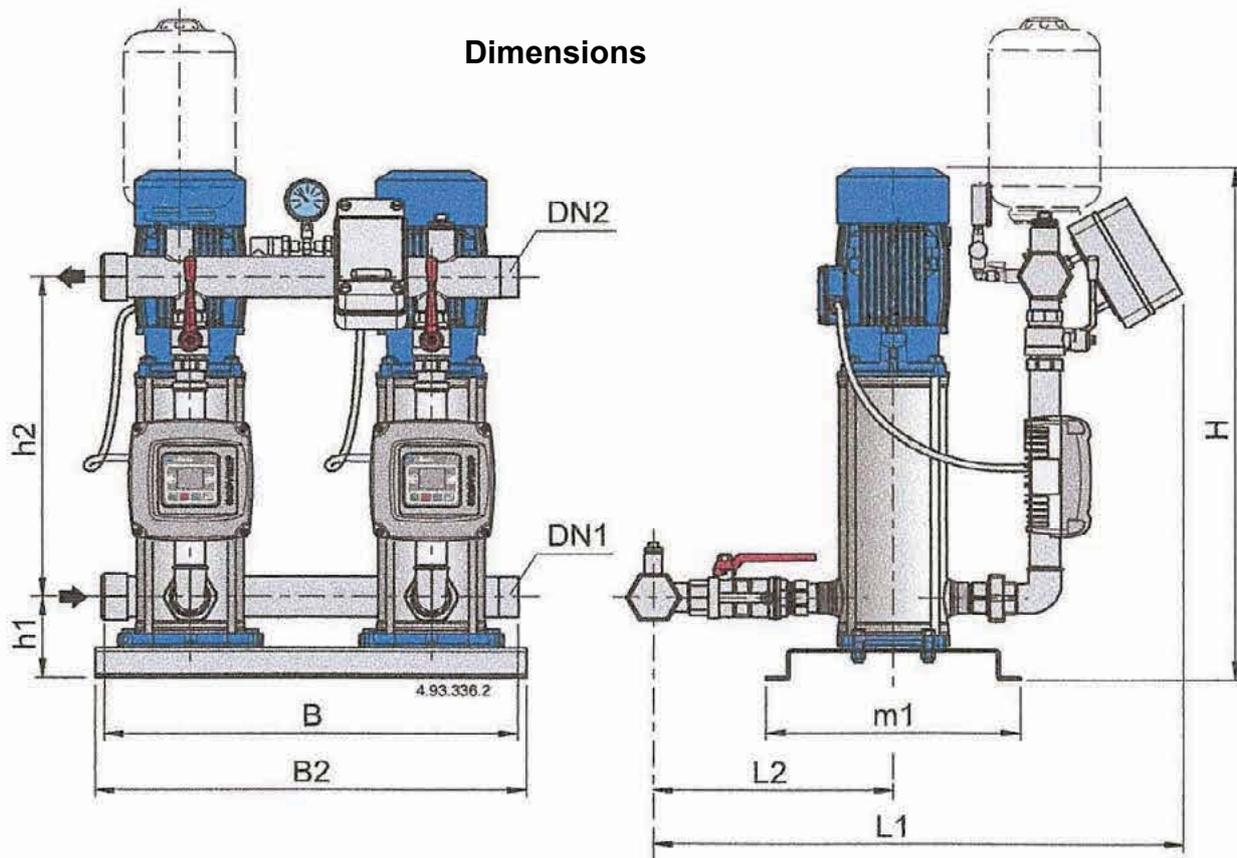
Operating Conditions

Fluid: Clean water	Control: Easymat EMT controller via pressure transducer
Fluid Temp: >50 deg.C	Max pressure: 10 bar
Air Ambient: >40 deg.C	Rated: Continuous service

Performance Data



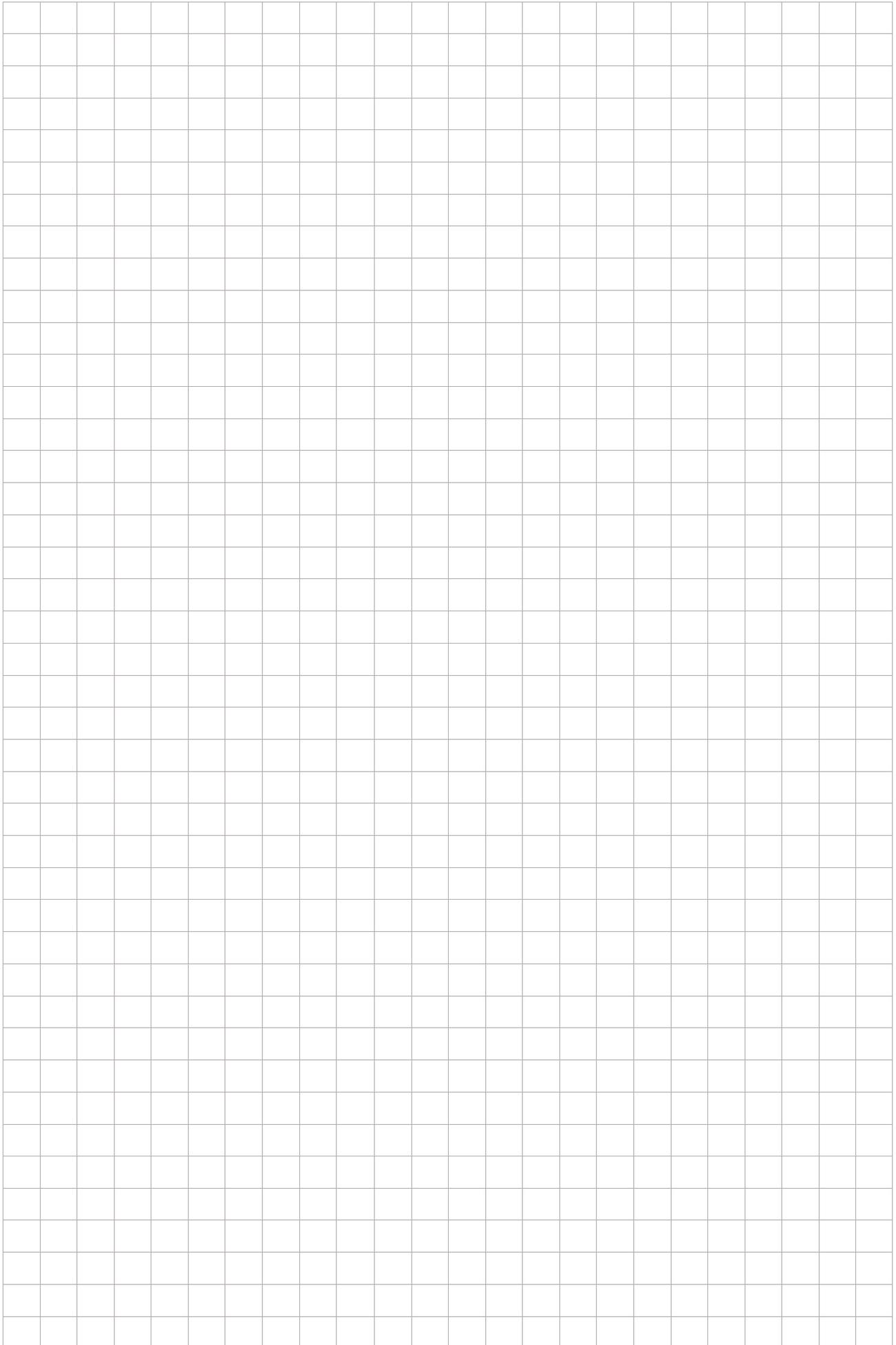
Dimensions



Mains 230/1/50 Motor 230/3/50	P2 DN1		DN2	mm								
	kW	hp		H*	h1 h2	L1	L2	m1	B	B2		
2MXV-B 25-204-EMT-24	0.75	1	1-1/2"	1-1/2"	727	119	461	501	315	365	600	625
2MXV-B 25-205-EMT-24	0.75	1										
2MXV-B 25-206-EMT-24	1.1	1.5										
2MXV-B 25-207-EMT-24	1.1	1.5										
2MXV-B 25-208-EMT-24	1.5	2										
2MXV-B 25-210-EMT-24	1.5	2	2"	2"	743	119	477	544	340	365	600	625
2MXV-B 32-404-EMT-24	1.1	1.5										
2MXV-B 32-405-EMT-24	1.1	1.5										
2MXV-B 32-406-EMT-24	1.5	2										
2MXV-B 32-407-EMT-24	1.5	2										
2MXV-B 32-408-EMT-24	2.2	3	2-1/2"	2-1/2"	765	124	495	598	388	365	600	625
2MXV-B 32-410-EMT-24	2.2	3										
2MXV-B 40-804-EMT-24	1.5	2										
2MXV-B 40-805-EMT-24	2.2	3	2-1/2"	2-1/2"	765	124	495	598	388	365	600	625
2MXV-B 40-806-EMT-24	2.2	3										

*Max height to top of vessel = 972

Notes





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