

Variable Speed Booster Sets

With Easymat & IMAT Control



EASYMAT SETS

General:

A range of economically priced variable speed cold water booster sets with one, two and three pump options. The sets feature the Easymat variable speed controller with either our all stainless steel MXH series or MXV-B series multi-stage pumps

Pumps:

MXH Series all stainless steel, horizontal, multi-stage centrifugal pumps. WRAs Approved
MXV-B Series all stainless steel vertical, multi-stage centrifugal pumps. WRAs approved

Motors:

Aluminium 2-Pole (2900 rpm) induction motors, three phase, 230/400/3/50, class F insulation, IP54 enclosure.

System:

One piece stainless steel manifolds and pipe-work, stainless steel fittings, nickel plated brass isolating and stainless steel non-return valves, electro-galvanised base plate, GWS PressureWave© accumulator. Fully wired and tested.

Operating Conditions:

Fluid:	Clean Cold Water.	Control:	Easymat variable speed controller via pressure transducer.
Fluid Temp:	Max 25 Deg.C.	Max Press:	10 bar Operational Pressure
Air Amb:	Max 40 Deg.C	Rated:	Continuous Service

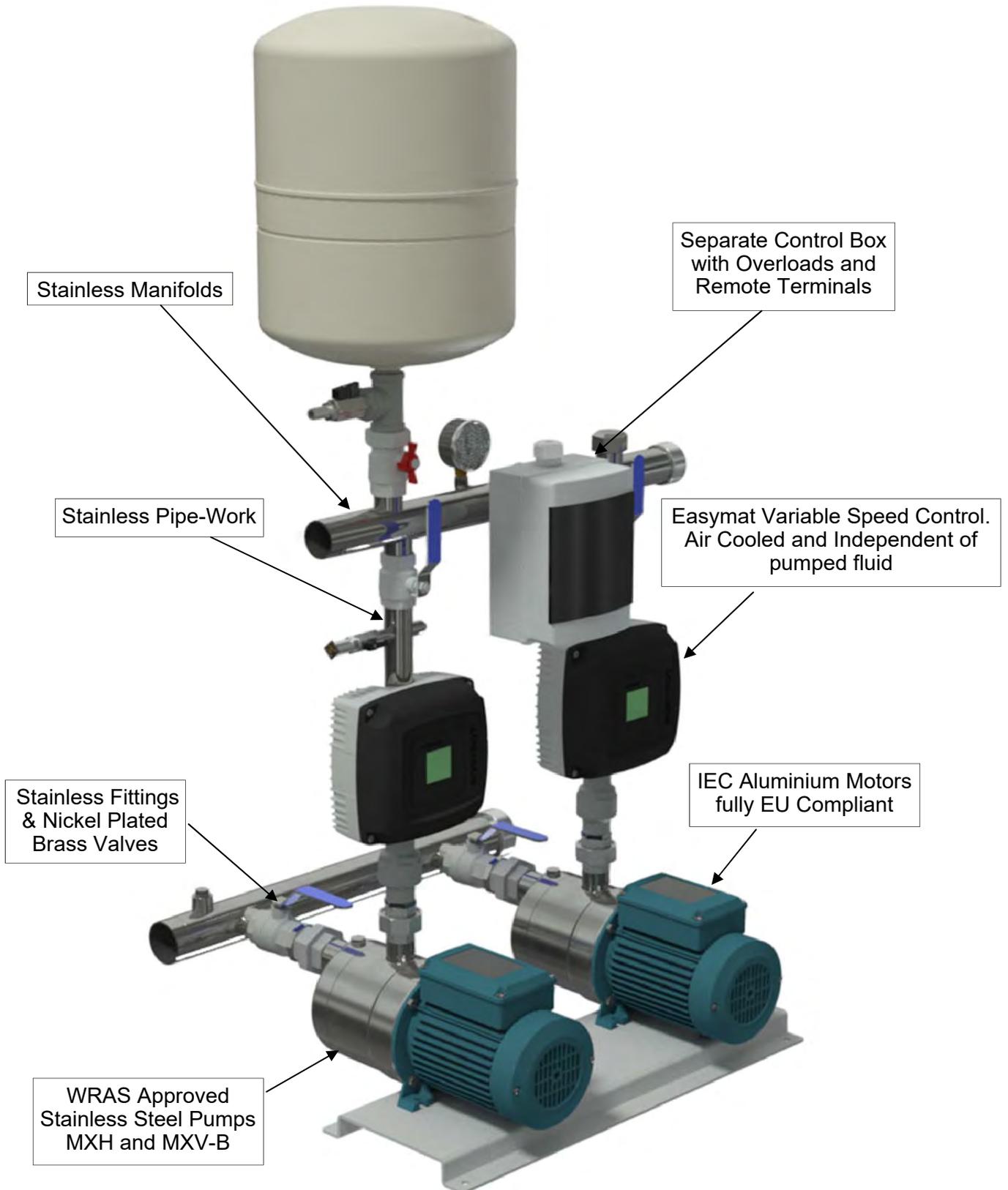


Approval Number 1605304



Approval Number 1404327

FEATURES



EASYMAT CONTROL

Control Panel

The Easymat 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.

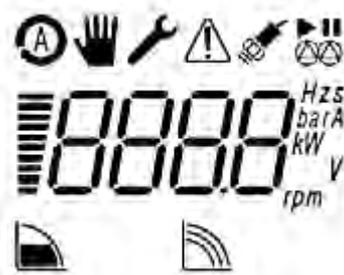
At the same time you can use the 2 scroll buttons to move around the set up menu and to change the various options.

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 function 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.

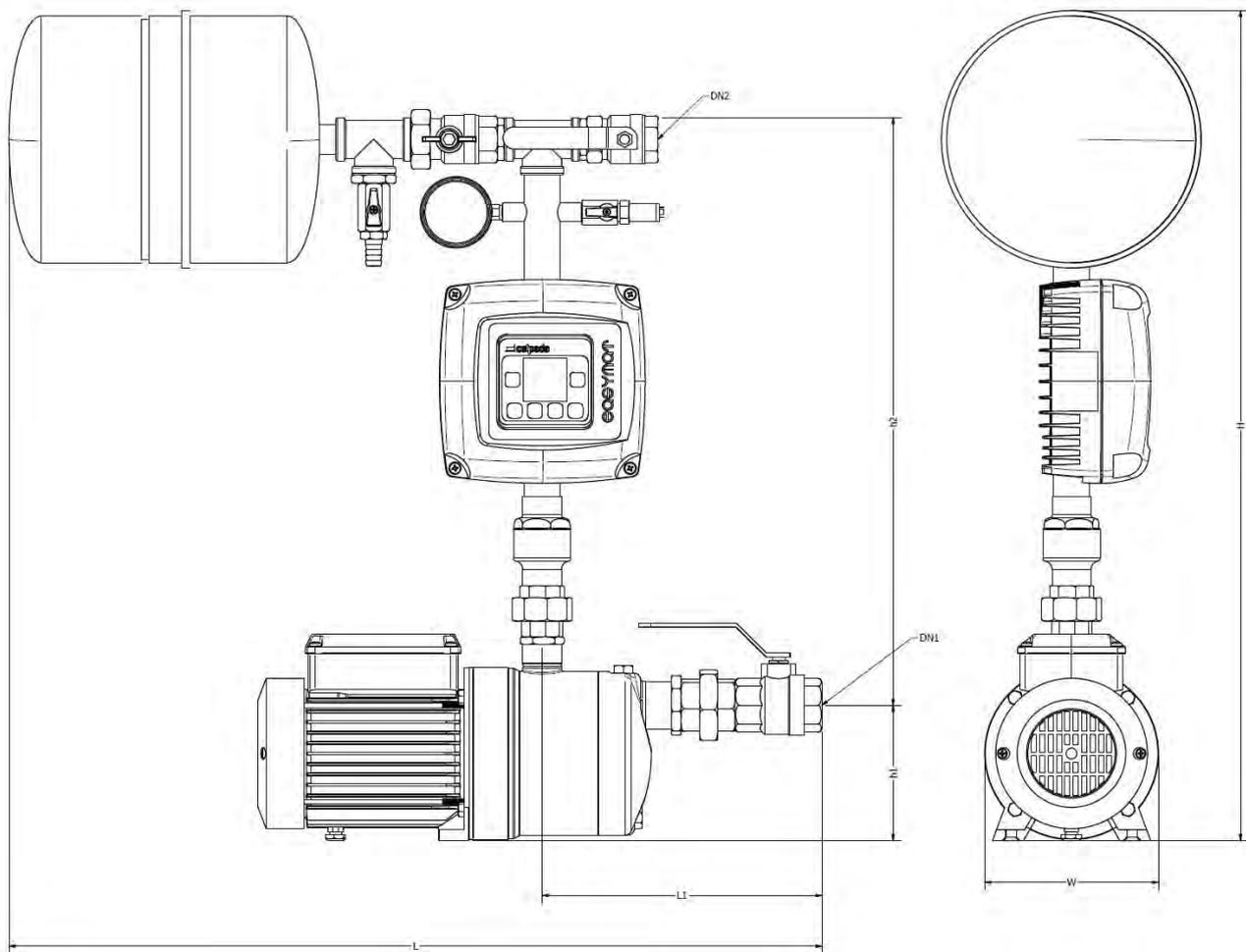


Cascade mode.

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.

DIMENSIONS

easymat single pump variable speed booster set with MXH pump



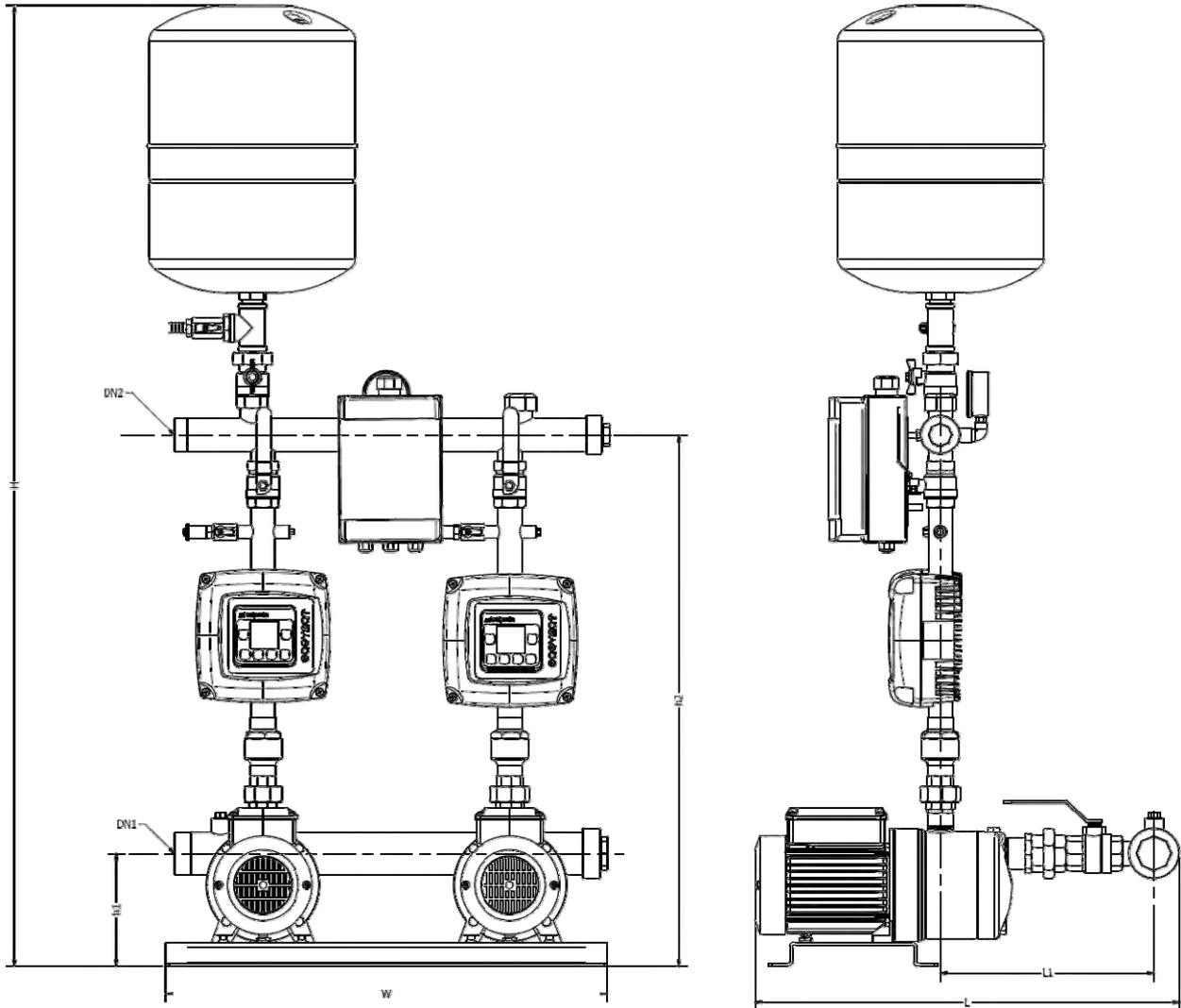
Model Number	DN1	DN2	mm					
			H	W	L	L1	h1	h2
1MXH202E-EMT-8	G1-1/4"	G1"	800	160	850	240	127	535
1MXH203E-EMT-8			800	160	850	240	127	535
1MXH204/A-EMT-8			800	160	910	265	127	535
1MXH205/A-EMT-8			800	160	830	290	127	535
1MXH206/B-EMT-8			800	160	1020	315	127	535
1MXH402E-EMT-8			800	160	850	240	127	535
1MXH403/A-EMT-8			800	160	875	240	127	535
1MXH404/A-EMT-8			800	160	910	265	127	535
1MXH405/B-EMT-8			800	160	995	290	127	535
1MXH406-EMT-8			800	160	1020	315	127	535
1MXH802/A-EMT-8	G1-1/2"	G1"	800	160	895	280	127	535
1MXH803-EMT-8			800	160	965	280	127	535
1MXH804-EMT-8			800	160	995	310	127	535
1MXH805/A-EMT-8			800	160	1065	340	127	535
1MXH1602-EMT-8	G2"	G1-1/2"	865	190	915	310	117	605
1MXH1603/A-EMT-8			865	190	955	310	117	605

Note:

Dimensions stated are Pre Production. Allow tolerance of 5%.

DIMENSIONS

easymat twin pump variable speed booster set with MXH pump

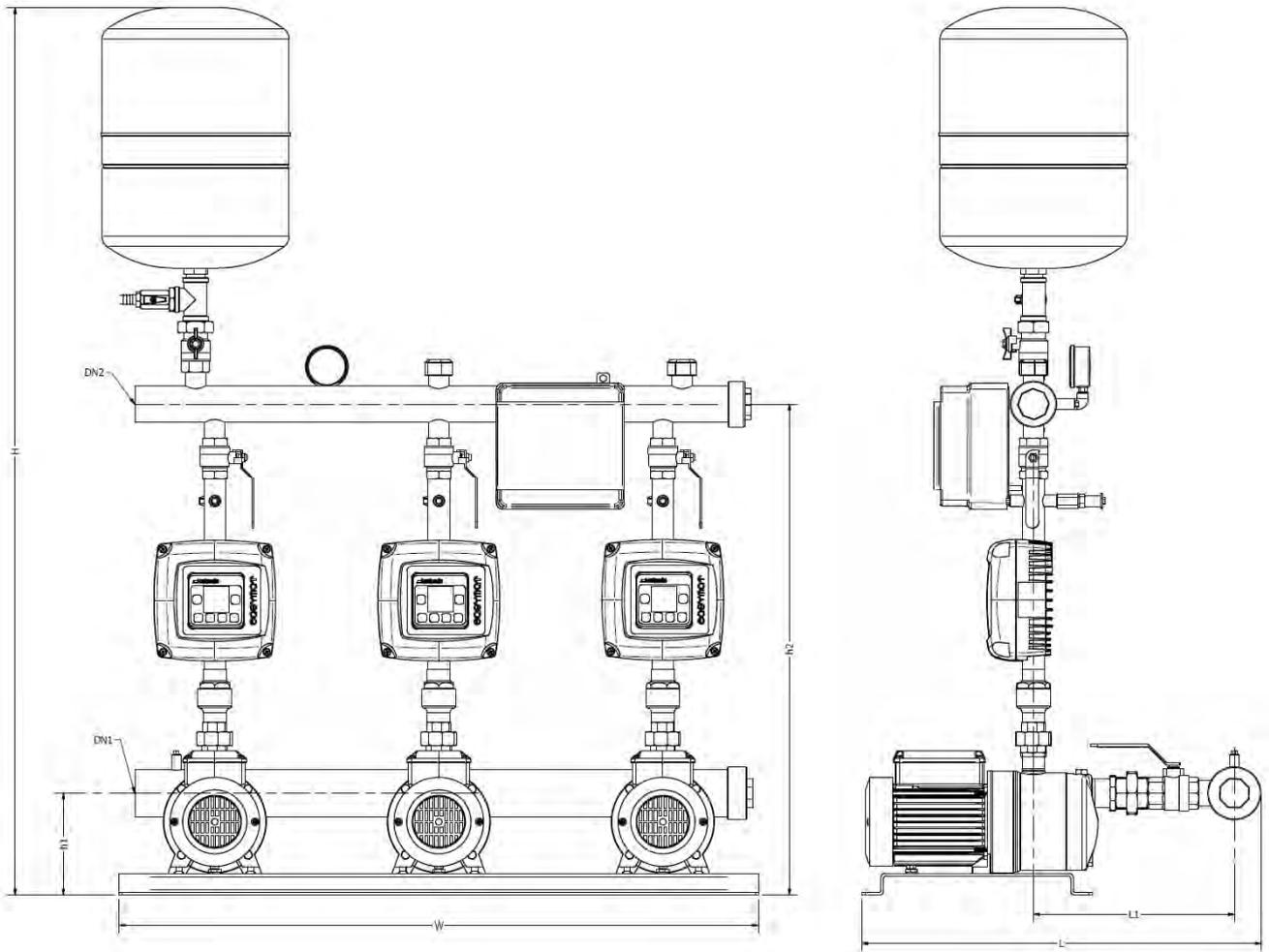


Model Number	DN1	DN2	mm					
			H	W	L	L1	h1	h2
2MXH202E-EMT-24	G2"	G1-1/2"	1425	625	565	305	160	785
2MXH203E-EMT-24			1425	625	565	305	160	785
2MXH204/A-EMT-24			1425	625	615	330	160	785
2MXH205/A-EMT-24			1425	625	640	355	160	785
2MXH206/B-EMT-24			1425	625	735	380	160	785
2MXH402E-EMT-24			1425	625	556	305	160	785
2MXH403/A-EMT-24			1425	625	590	305	160	785
2MXH404/A-EMT-24			1425	625	615	325	160	785
2MXH405/B-EMT-24			1425	625	710	355	160	785
2MXH406-EMT-24			1425	625	735	370	160	785
2MXH802/A-EMT-24			G2-1/2"	G2"	1430	625	620	340
2MXH803-EMT-24	1430	625			690	370	160	785
2MXH804-EMT-24	1430	625			720	390	160	785
2MXH805/A-EMT-24	1430	625			790	415	160	785
2MXH1602-EMT-24	G3"	G2-1/2"	1525	625	790	395	150	880
2MXH1603/A-EMT-24			1525	625	830	395	150	880

Note:
Dimensions stated are Pre Production. Allow tolerance of 5%.

DIMENSIONS

easymat three pump variable speed booster set with MXH pump

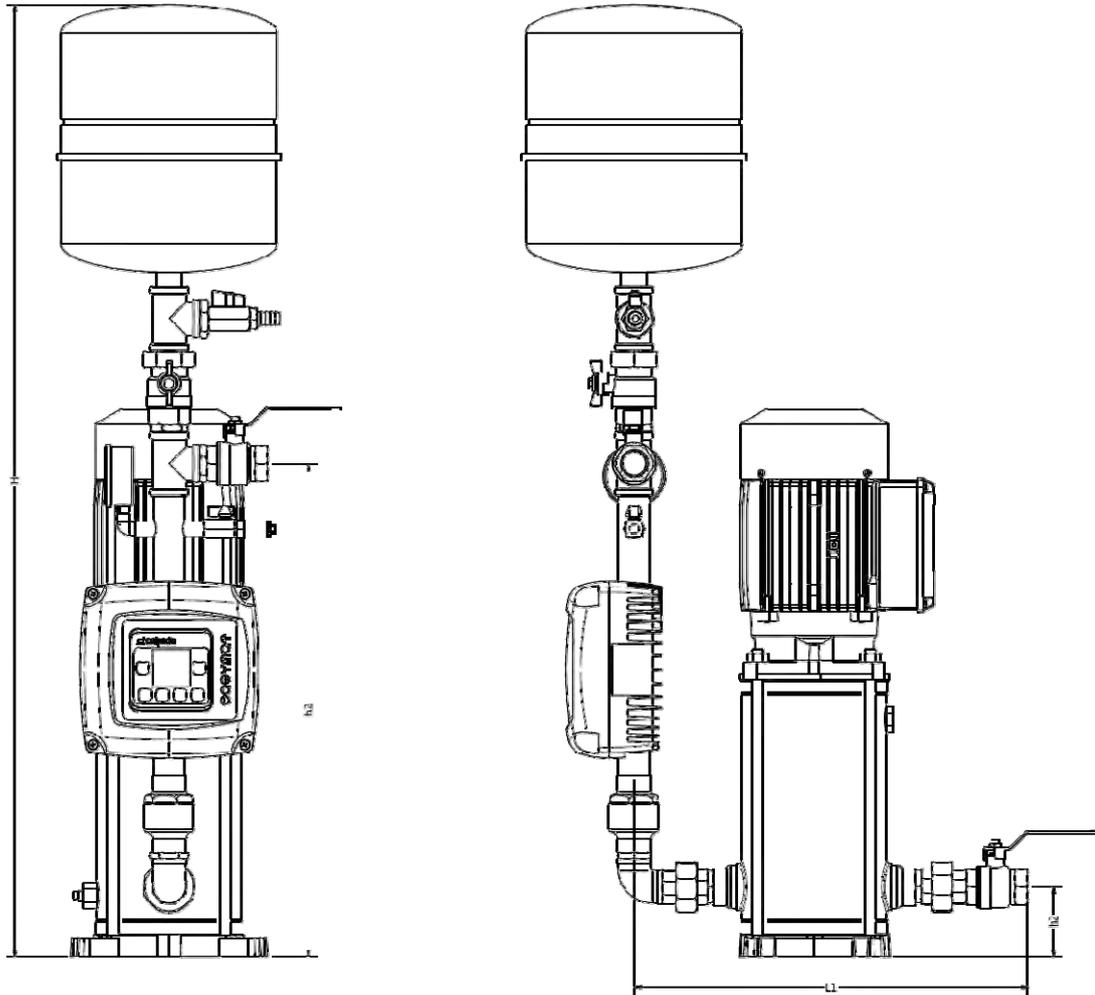


Model Number	DN1	DN2	mm					
			H	W	L	L1	h1	h2
3MXH202E-EMT-24	G2-1/2"	G2"	1440	1000	580	300	180	800
3MXH203E-EMT-24			1440	1000	580	300	180	800
3MXH204/A-EMT-24			1440	1000	630	325	180	800
3MXH205/A-EMT-24			1440	1000	655	350	180	800
3MXH206/B-EMT-24			1440	1000	725	375	180	800
3MXH402E-EMT-24			1440	1000	580	300	180	800
3MXH403/A-EMT-24			1440	1000	605	300	180	800
3MXH404/A-EMT-24			1440	1000	630	325	180	800
3MXH405/B-EMT-24			1440	1000	725	355	180	800
3MXH406-EMT-24			1440	1000	750	370	180	800
3MXH802/A-EMT-24	G3"	G2-1/2"	1490	1000	685	340	180	835
3MXH803-EMT-24			1490	1000	755	370	180	835
3MXH804-EMT-24			1490	1000	785	390	180	835
3MXH805/A-EMT-24			1490	1000	855	430	180	835
3MXH1602-EMT-24	DN100	DN80	1580	1000	790	380	180	895
3MXH1603/A-EMT-24			1580	1000	830	380	180	895

Note:
Dimensions stated are Pre Production. Allow tolerance of 5%.

DIMENSIONS

easymat single pump variable speed booster set with MXV-B pump

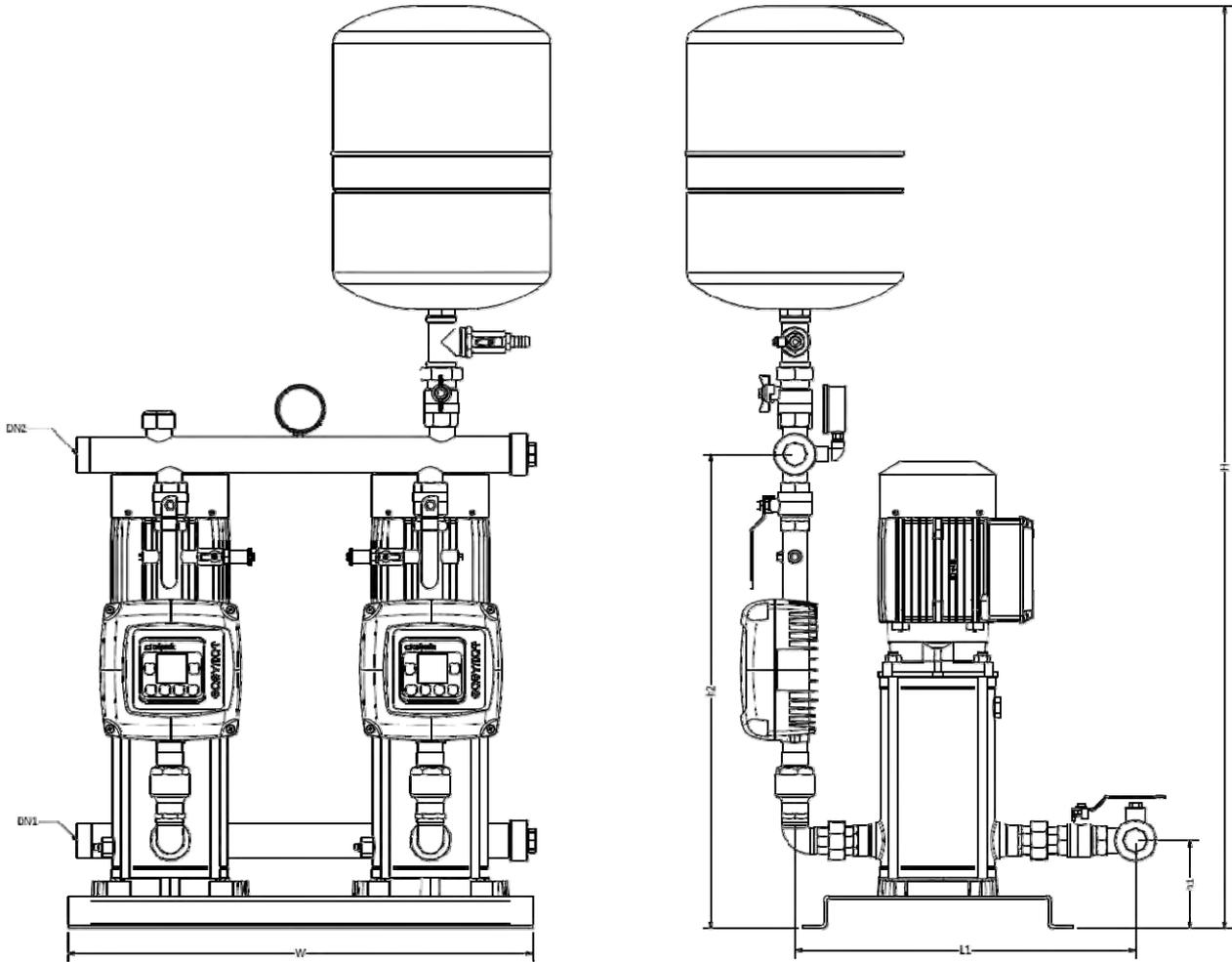


Model Number	DN1	DN2	mm			
			H	L1	h1	h2
1MXV-B25-204-EMT-8	G1"	G1"	1060	450	75	550
1MXV-B25-205-EMT-8			1060	450	75	550
1MXV-B25-206-EMT-8			1060	450	75	550
1MXV-B25-207-EMT-8			1060	450	75	550
1MXV-B25-208-EMT-8			1060	450	75	550
1MXV-B25-210-EMT-8			1060	450	75	550
1MXV-B32-404-EMT-8	G1-1/4"	G1-1/4"	1170	485	75	655
1MXV-B32-405-EMT-8			1170	485	75	655
1MXV-B32-406-EMT-8			1170	485	75	655
1MXV-B32-407-EMT-8			1170	485	75	655
1MXV-B32-408-EMT-8			1170	485	75	655
1MXV-B32-410-EMT-8			1170	485	75	655
1MXV-B40-804-EMT-8	G1-1/2"	G1-1/2"	1245	530	80	605
1MXV-B40-805-EMT-8			1245	530	80	605
1MXV-B40-806-EMT-8			1245	530	80	605

Note:
Dimensions stated are Pre Production. Allow tolerance of 5%.

DIMENSIONS

easymat twin pump variable speed booster set with MXV-B pump

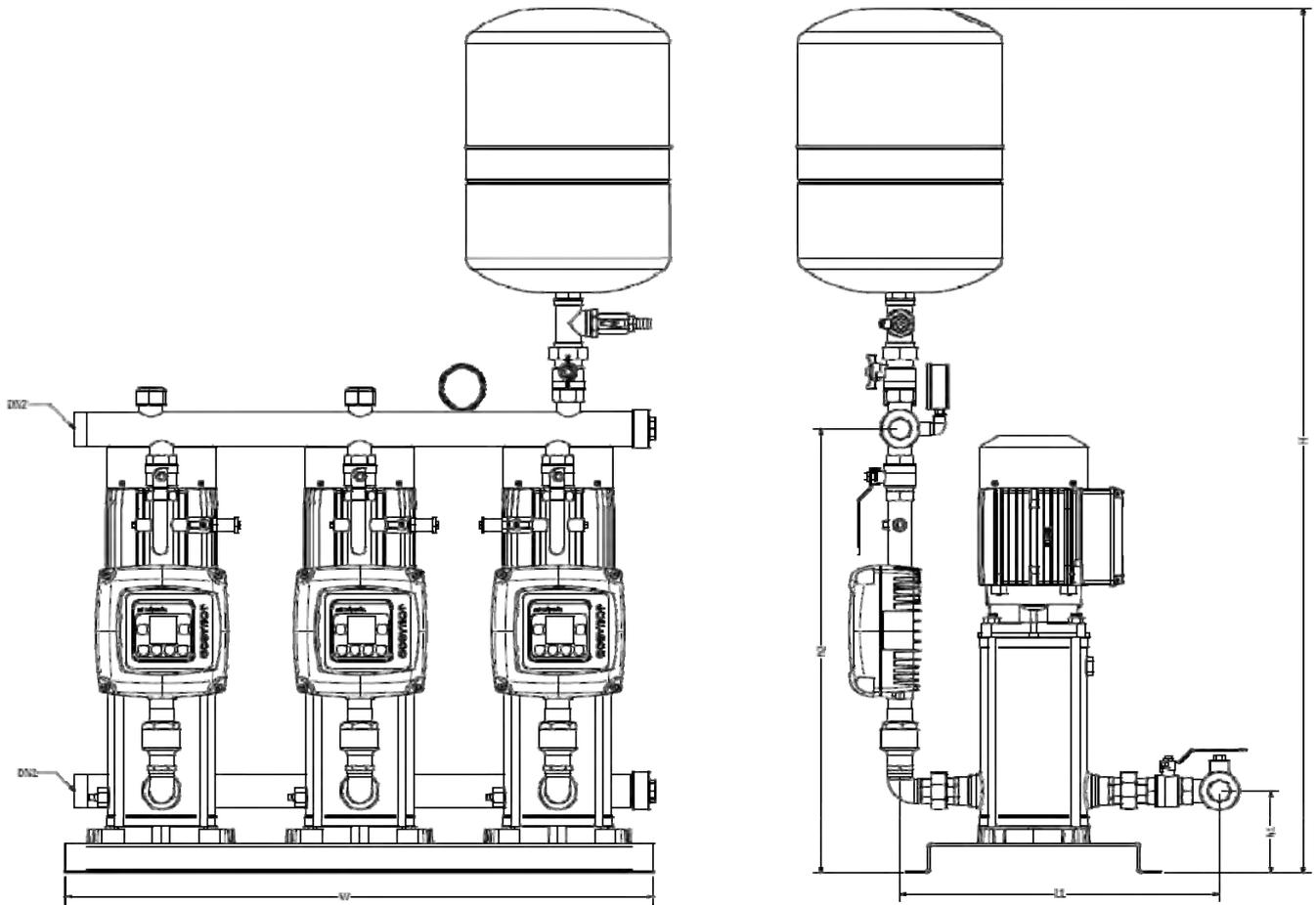


Model Number	DN1	DN2	mm				
			H	W	L1	h1	h2
2MXV-B25-204-EMT-24	G1-1/2"	G1-1/2"	1200	625	510	115	590
2MXV-B25-205-EMT-24			1200	625	510	115	590
2MXV-B25-206-EMT-24			1200	625	510	115	590
2MXV-B25-207-EMT-24			1200	625	510	115	590
2MXV-B25-208-EMT-24			1200	625	510	115	590
2MXV-B25-210-EMT-24			1200	625	510	115	590
2MXV-B32-404-EMT-24	G2"	G2"	1230	625	535	115	685
2MXV-B32-405-EMT-24			1230	625	535	115	685
2MXV-B32-406-EMT-24			1230	625	535	115	685
2MXV-B32-407-EMT-24			1230	625	535	115	685
2MXV-B32-408-EMT-24			1230	625	535	115	685
2MXV-B32-410-EMT-24			1230	625	535	115	685
2MXV-B40-804-EMT-24	G2-1/2"	G2-1/2"	1285	625	590	120	755
2MXV-B40-805-EMT-24			1285	625	590	120	755
2MXV-B40-806EMT-24			1285	625	590	120	755

Note:
Dimensions stated are Pre Production. Allow tolerance of 5%.

DIMENSIONS

easymat three pump variable speed booster set with MXV-B pump



Model Number	DN1	DN2	mm				
			H	W	L1	h1	h2
3MXV-B25-204-EMT-24	G2"	G2"	1320	1000	520	130	670
3MXV-B25-205-EMT-24			1320	1000	520	130	670
3MXV-B25-206-EMT-24			1320	1000	520	130	670
3MXV-B25-207-EMT-24			1320	1000	520	130	670
3MXV-B25-208-EMT-24			1320	1000	520	130	670
3MXV-B25-210-EMT-24			1320	1000	520	130	670
3MXV-B32-404-EMT-24	G2-1/2"	G2-1/2"	1340	1000	545	130	690
3MXV-B32-405-EMT-24			1340	1000	545	130	690
3MXV-B32-406-EMT-24			1340	1000	545	130	690
3MXV-B32-407-EMT-24			1340	1000	545	130	690
3MXV-B32-408-EMT-24			1340	1000	545	130	690
3MXV-B32-410-EMT-24			1340	1000	545	130	690
3MXV-B40-804-EMT-24	G3"	G3"	1440	1000	600	135	790
3MXV-B40-805-EMT-24			1440	1000	600	135	790
3MXV-B40-806-EMT-24			1440	1000	600	135	790

Note:
Dimensions stated are Pre Production. Allow tolerance of 5%.

