



# Combination Unit

From Direct Pumps and Tanks





The combination pump station is single unit which combines two separate compartments for holding stored water and a dry compartment for housing all pumps and equipment.

A range of Vari-RS booster sets can be installed within the combination pump station. These can be pre-installed by Direct Pumps and Tanks prior to delivery to allow for a simple installation along with all pipework and connections.

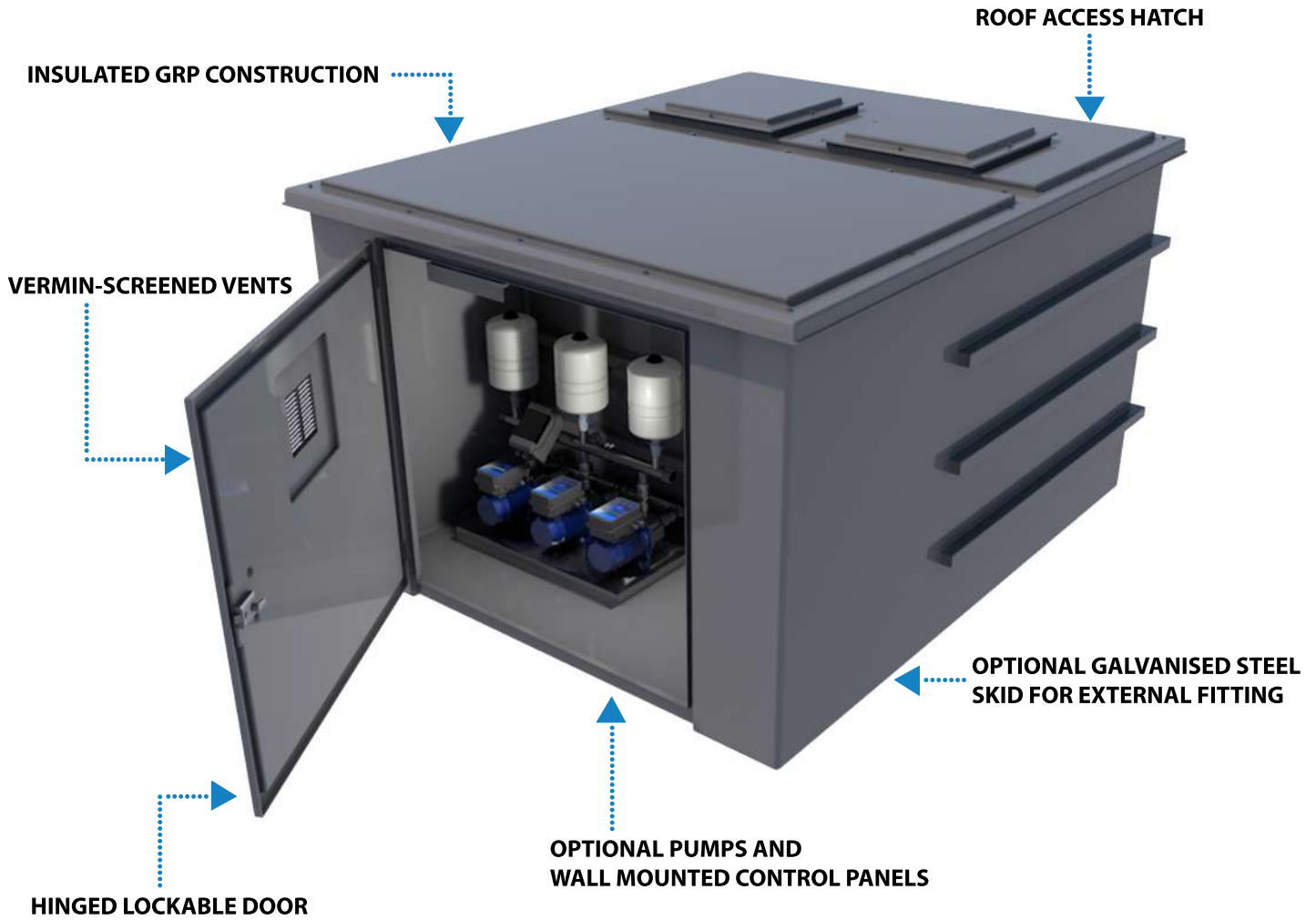
The unit features a large lockable front door for extra security. This allows you to store additional equipment inside the combination unit such as UV treatment devices and water conditioners.

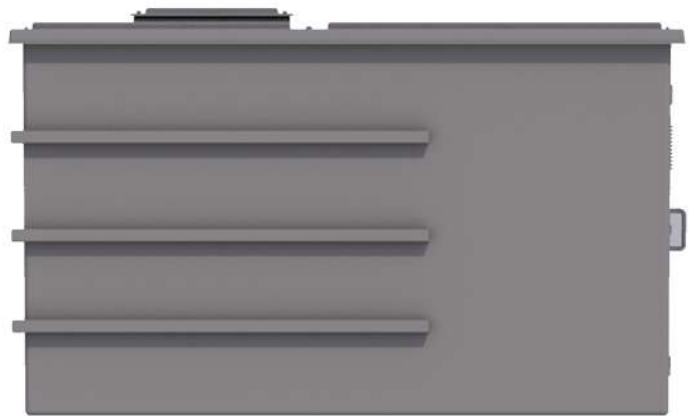
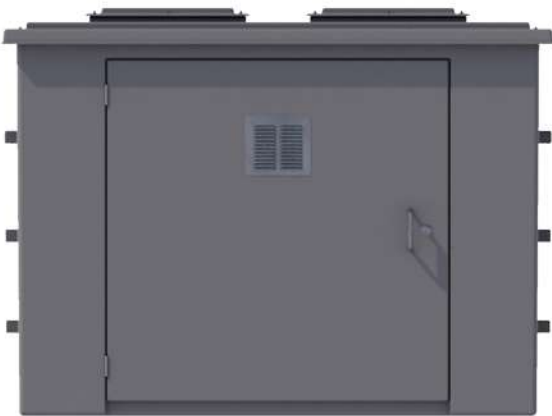
- ▶ Huge range of capacities available
- ▶ Ideal for both new build and existing application
- ▶ All pipework and connections included
- ▶ Simple installation saves time on site
- ▶ Extensive choice of units and booster sets
- ▶ Fully weatherproof for internal and external use





# Combination Unit Features at a Glance







## Standard Range

Product	Nominal Capacity	Overall Dimensions	Wet Compartment	Pump Compartment
CU1.1000	1620 litres	2200 x 2000 x 2250mm high	500 x 1800 x 1800mm high	1500 x 1800 x 1800mm high
CU1.2000	3240 litres	2700 x 2000 x 2250mm high	1000 x 1800 x 1800mm high	1500 x 1800 x 1800mm high
CU1.3000	4200 litres	2700 x 2000 x 2250mm high	1300 x 1800 x 1800mm high	1200 x 1800 x 1800mm high
CU1.4000	5500 litres	3600 x 2000 x 2250mm high	1700 x 1800 x 1800mm high	1700 x 1800 x 1800mm high
CU1.5000	7100 litres	3600 x 2000 x 2250mm high	2200 x 1800 x 1800mm high	1200 x 1800 x 1800mm high
CU1.7000	10,044 litres	4500 x 2000 x 2250mm high	3100 x 1800 x 1800mm high	1200 x 1800 x 1800mm high

### Optional screen spillover weir in tank body to create AB air gap

Product	Size of inlet valve	Quantity Required
SPO3 Spillover	Up to 42mm inlet valve	1
SPO3 Spillover	54mm inlet Valve	2
SPO5 Spillover	67mm inlet valve	2
SPO5 Spillover	76mm inlet valve	2

## Compact Range

Product	Nominal Capacity	Overall Dimensions	Wet Compartment	Pump Compartment
CUCOMP.1000	500 litres	1185 x 1185 x 1100mm high	500 x 1000 x 1000mm high	500 x 1000 x 1000mm high
CUCOMP.2000	1000 litres	2195 x 1195 x 1100mm high	1000 x 1000 x 1000mm high	1000 x 1000 x 1000mm high
CUCOMP.2501	1250 litres	2195 x 1195 x 1350mm high	1000 x 1000 x 1250mm high	1000 x 1000 x 1250mm high
CUCOMP.3000	2000 litres	3185 x 1185 x 1100mm high	2000 x 1000 x 1000mm high	2000 x 1000 x 1000mm high
CUCOMP.3001	1500 litres	2195 x 1195 x 1600mm high	1000 x 1000 x 1500mm high	1000 x 1000 x 1500mm high
CUCOMP.3636	1816 litres	2630 x 1730 x 1600mm high	1220 x 1220 x 1220mm high	1220 x 1220 x 1220mm high
CUCOMP.5625	2812 litres	2730 x 1730 x 1600mm high	1250 x 1500 x 1500mm high	1250 x 1500 x 1500mm high
CUCOMP.7500	4500 litres	2690 x 2190 x 1600 high	1500 x 2000 x 1500mm high	1500 x 2000 x 1500mm high
CUCOMP.9000	6000 litres	3195 x 2260 x 1600mm high	2000 x 2000 x 1500mm high	2000 x 2000 x 1500mm high

### Optional screen spillover weir in tank body to create AB air gap

Product	Size of inlet valve	Quantity Required
SPO3 Spillover	Up to 42mm inlet valve	1
SPO3 Spillover	54mm inlet Valve	2
SPO5 Spillover	67mm inlet valve	2
SPO5 Spillover	76mm inlet valve	2

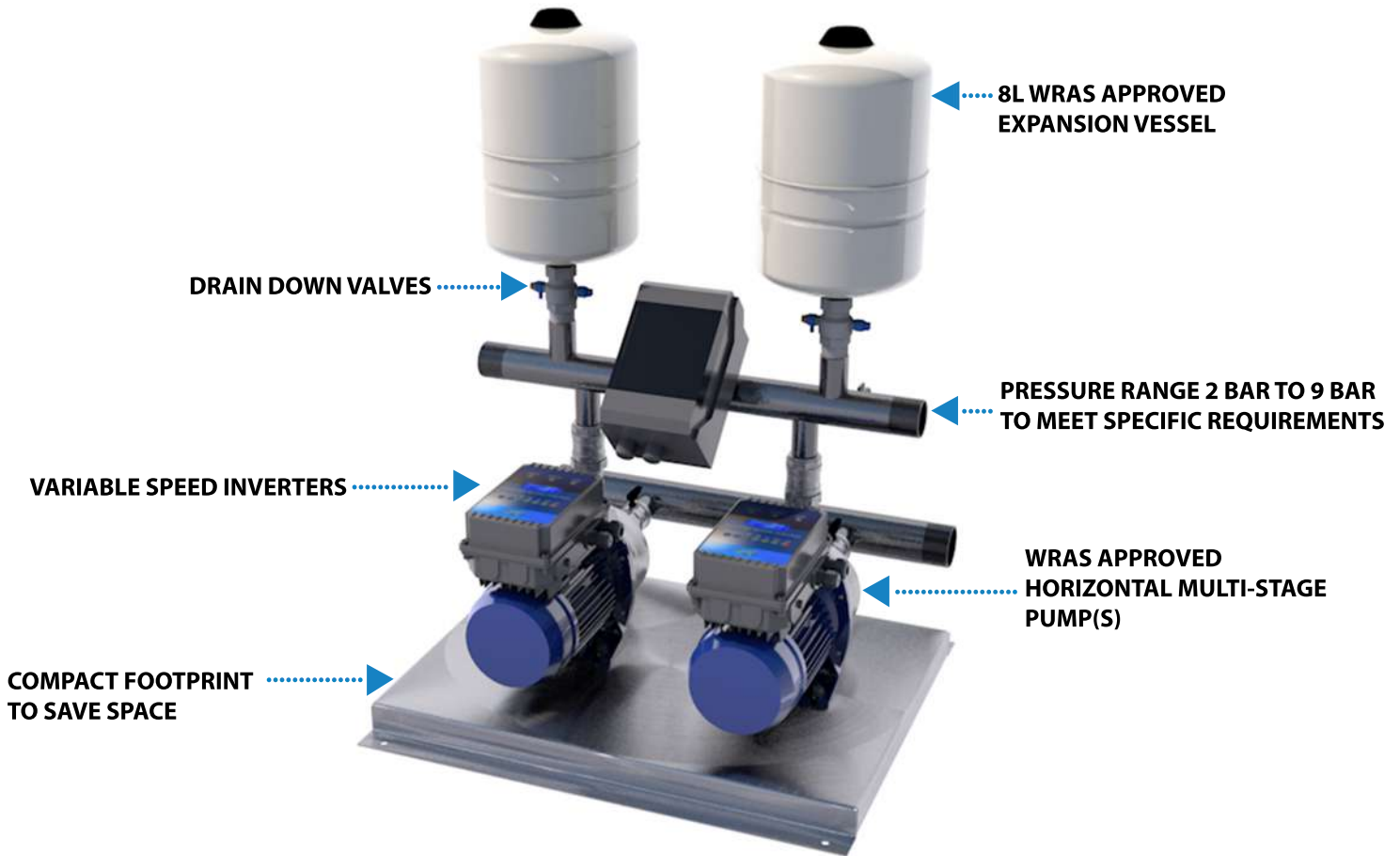


# Combination Tank Pictures





# Optional Vari-RS Booster Set Features at a Glance

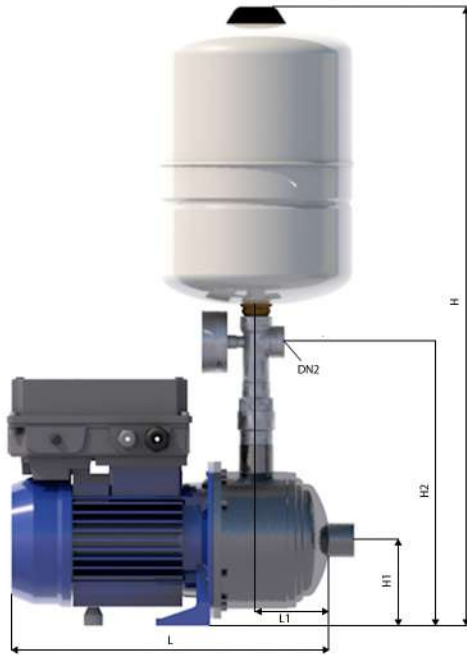






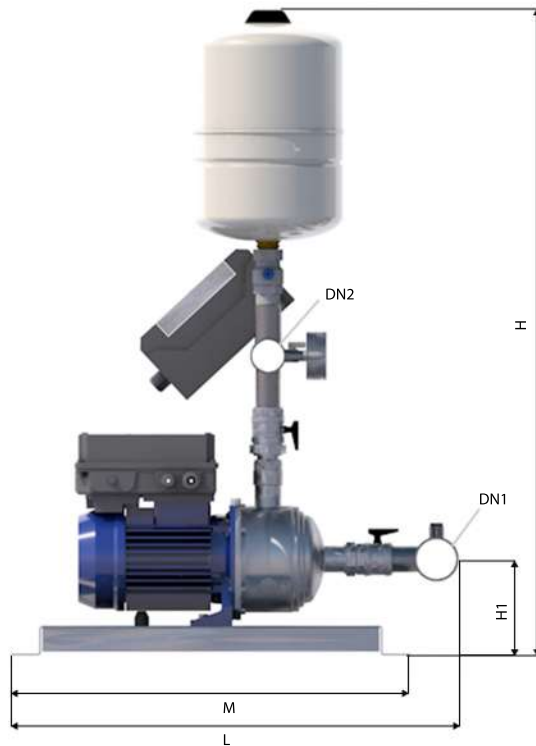
# Single Vari-RS Booster Set

## With Variable Speed Inverter



Model Ref	DN1	DN2	H	H1	H2	L	Power Supply	kW	HP	FLC (amp)
1MX3-2RS	1"	1"	700	80	310	360	1x240v	0.45	0.6	2.3
1MX3-5RS	1"	1"	700	80	310	408	1x240v	0.75	1.0	3.0
1MX3-6RS	1"	1"	700	80	310	444	1x240v	0.9	1.2	4.3
1MX3-7RS	1"	1"	700	80	310	518	1x240v	1.3	1.8	5.6
1MX3-8RS	1"	1"	700	80	310	542	1x240v	1.3	1.8	5.6
1MX5-2RS	1¼"	1"	700	80	310	360	1x240v	0.45	0.6	2.3
1MX5-5RS	1¼"	1"	700	80	310	470	1x240v	1.3	1.8	5.6
1MX5-6RS	1¼"	1"	700	80	310	498	1x240v	1.3	1.8	5.6
1MX5-7RS	1¼"	1"	700	80	310	519	1x240v	1.5	2.0	6.3
1MX5-8RS	1¼"	1"	700	80	310	543	1x240v	2.2	3.0	8.2
1MX10-2RS	1½"	1¼"	700	80	310	379	1x240v	0.75	1.0	3.0
1MX10-3RS	1½"	1¼"	700	80	310	441	1x240v	1.3	1.8	5.6
1MX10-4RS	1½"	1¼"	700	80	310	472	1x240v	1.5	2.0	6.3
1MX10-5RS	1½"	1¼"	700	80	310	502	1x240v	2.2	3.0	8.2
1MX10-6RS	1½"	1¼"	700	80	310	532	1x240v	2.2	3.0	8.2

## Twin Vari-RS Booster Set With Variable Speed Inverter



Model Ref	DN1	DN2	B	H	H1	L	M	Power Supply	kW	HP	FLC (amp)
2MX3-2RS	2"	1¼"	640	900	135	608	540	1x240v	2x0.45	2x0.6	2x2.3
2MX3-5RS	2"	1¼"	640	900	135	656	540	1x240v	2x0.75	2x1.0	2x3.0
2MX3-6RS	2"	1½"	640	800	135	680	540	1x240v	2x0.9	2x1.2	2x4.3
2MX3-7RS	2"	1¼"	640	900	135	704	540	1x240v	2x1.3	2x1.8	2x5.6
2MX3-8RS	2"	1¼"	640	900	135	728	540	1x240v	2x1.3	2x1.8	2x5.6
2MX5-2RS	2"	1¼"	640	900	135	608	540	1x240v	2x0.45	2x0.6	2x2.3
2MX5-5RS	2"	1¼"	640	900	135	656	540	1x240v	2x1.3	2x1.8	2x5.6
2MX5-6RS	2"	1¼"	640	900	135	680	540	1x240v	2x1.3	2x1.8	2x5.6
2MX5-7RS	2"	1¼"	640	900	135	704	540	1x240v	2x1.5	2x2.0	2x6.3
2MX5-8RS	2"	1¼"	640	900	135	728	540	1x240v	2x2.2	2x3.0	2x8.2
2MX10-2RS	2½"	2"	640	950	135	627	540	1x240v	2x0.75	2x1.0	2x3.0
2MX10-3RS	2½"	2"	640	950	135	689	540	1x240v	2x1.3	2x1.8	2x5.6
2MX10-4RS	2½"	2"	640	950	135	708	540	1x240v	2x1.5	2x2.0	2x6.3
2MX10-5RS	2½"	2"	640	950	135	722	540	1x240v	2x2.2	2x3.0	2x8.2
2MX10-6RS	2½"	2"	640	950	135	739	540	1x240v	2x2.2	2x3.0	2x8.2



## Triple Vari-RS Booster Set With Variable Speed Inverter



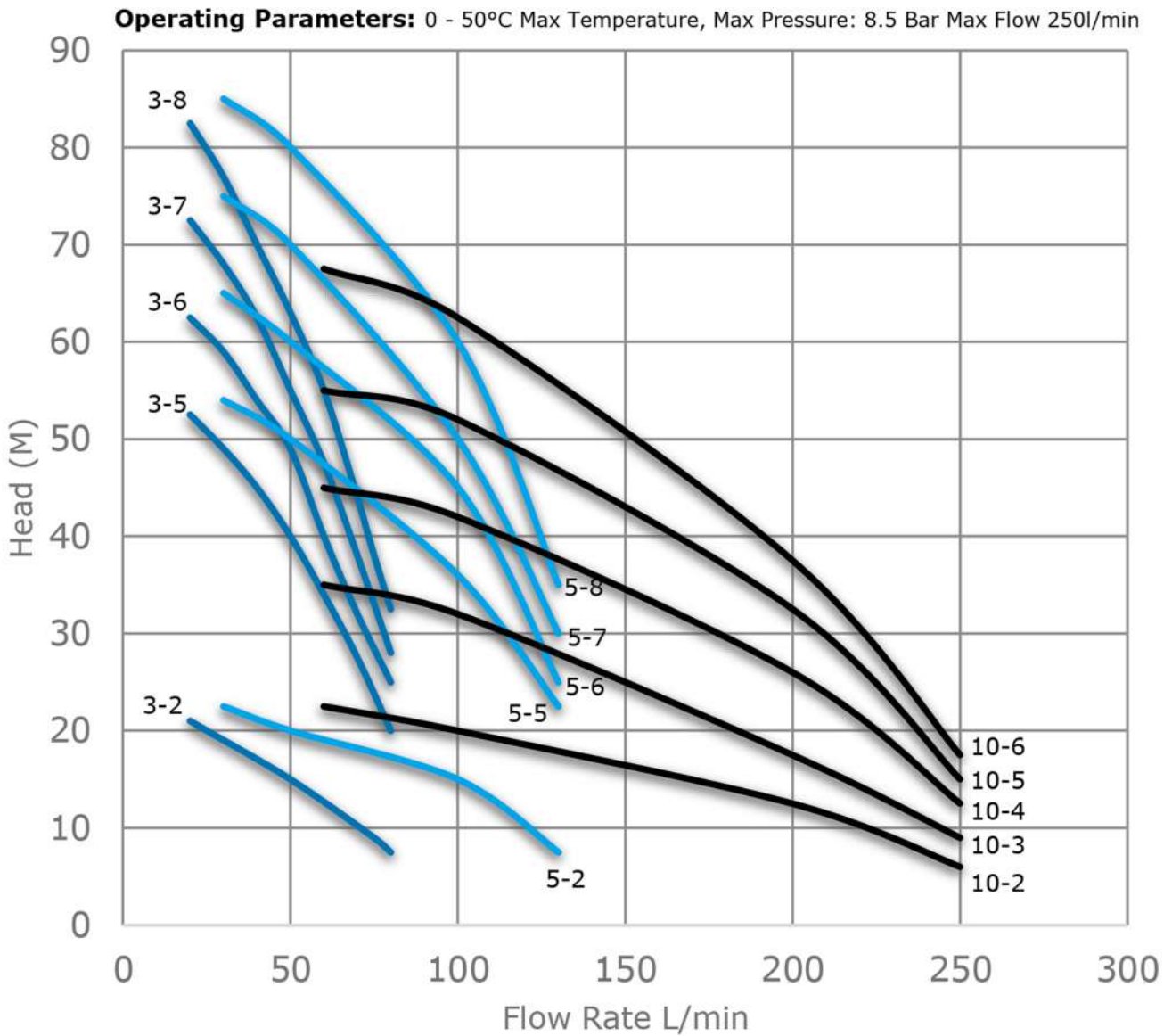
Model Ref	DN1	DN2	B	H	H1	L	M	Power Supply	kW	HP	FLC (amp)
3MX3-2RS	2½"	2"	900	920	130	608	540	1x240v	3x0.45	3x0.6	3x2.3
3MX3-5RS	2½"	2"	900	920	130	656	540	1x240v	3x0.75	3x1.0	3x3.0
3MX3-6RS	2½"	2"	900	920	130	680	540	1x240v	3x0.9	3x1.2	3x4.3
3MX3-7RS	2½"	2"	900	920	130	704	540	1x240v	3x1.3	3x1.8	3x5.6
3MX3-8RS	2½"	2"	900	920	130	728	540	1x240v	3x1.3	3x1.8	3x5.6
3MX5-2RS	2½"	2"	900	920	130	627	540	1x240v	3x0.45	3x0.6	3x2.3
3MX5-5RS	2½"	2"	900	920	130	689	540	1x240v	3x1.3	3x1.8	3x5.6
3MX5-6RS	2½"	2"	900	920	130	708	540	1x240v	3x1.3	3x1.8	3x5.6
3MX5-7RS	2½"	2"	900	920	130	722	540	1x240v	3x1.5	3x2.0	3x6.3
3MX5-8RS	2½"	2"	900	920	130	739	540	1x240v	3x2.2	3x3.0	3x8.2
3MX10-2RS	2½"	2"	900	920	130	676	540	1x240v	3x0.75	3x1.0	3x3.0
3MX10-3RS	2½"	2"	900	920	130	725	540	1x240v	3x1.3	3x1.8	3x5.6
3MX10-4RS	2½"	2"	900	920	130	760	540	1x240v	3x1.5	3x2.0	3x6.3
3MX10-5RS	2½"	2"	900	920	130	834	540	1x240v	3x2.2	3x3.0	3x8.2
3MX10-6RS	2½"	2"	900	920	130	858	540	1x240v	3x2.2	3x3.0	3x8.2





# Single Vari-RS Booster Set

## Pump Curve Data



All systems set at mid curve efficiency during first activation on wet test using the RS variable speed inverter at closed valve up to max pressure. The performance curves are based on kinematic viscosity values = 1/mm<sup>2</sup>/s and density equivalent to 1000kg/m<sup>3</sup>.

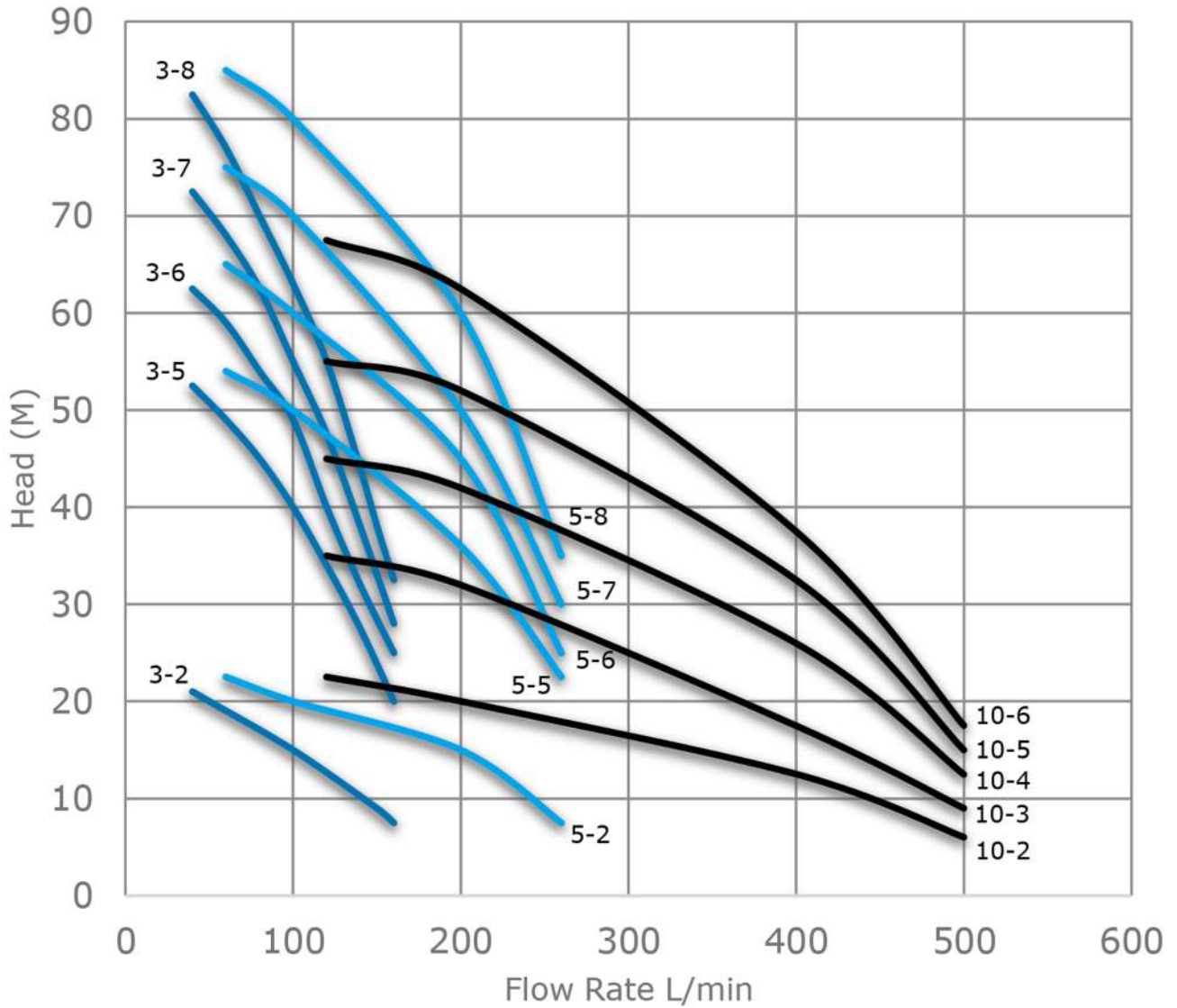
Curve tolerance according to ISO9906, data extracted directly from Ebara data. Each pump operates within a 60-65dB noise rating at max speed, data recorded from 1m distance to a +- 2.5dB fluctuation.



# Twin Vari-RS Booster Set

## Pump Curve Data

**Operating Parameters:** 0 - 50°C Max Temperature, Max Pressure: 8.5 Bar Max Flow 500l/min



All systems set at mid curve efficiency during first activation on wet test using the RS variable speed inverter at closed valve up to max pressure. The performance curves are based on kinematic viscosity values = 1/mm<sup>2</sup>/s and density equivalent to 1000kg/m<sup>3</sup>.

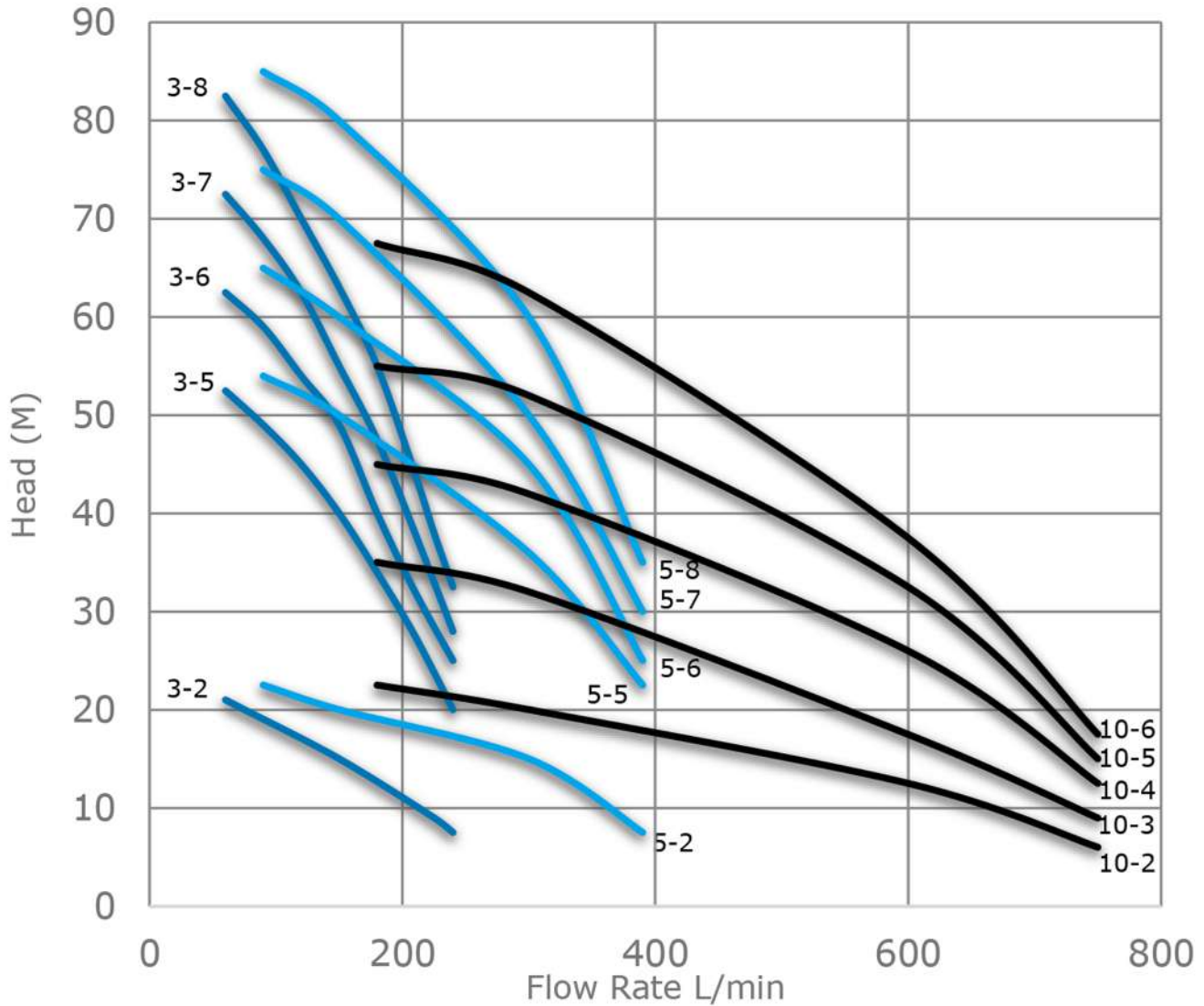
Curve tolerance according to ISO9906, data extracted directly from Ebara data. Each pump operates within a 60-65dB noise rating at max speed, data recorded from 1m distance to a +- 2.5dB fluctuation.



# Triple Vari-RS Booster Set

## Pump Curve Data

**Operating Parameters:** 0 - 50°C Max Temperature, Max Pressure: 8.5 Bar Max Flow 750l/min



All systems set at mid curve efficiency during first activation on wet test using the RS variable speed inverter at closed valve up to max pressure. The performance curves are based on kinematic viscosity values = 1/mm<sup>2</sup>/s and density equivalent to 1000kg/m<sup>3</sup>.

Curve tolerance according to ISO9906, data extracted directly from Ebara data. Each pump operates within a 60-65dB noise rating at max speed, data recorded from 1m distance to a +- 2.5dB fluctuation.





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