

SMB10/B/5SVE06F11/M2/UK

Variable Speed Cold Water Booster Set.

e-SV series Vertical multistage pump with **Permanent Magnet Motor IE5 efficiency class** in order to offer higher efficiency and energy cost reduction fitted with e-SM Drive inverters. IES2 Efficiency power drive system. Pump complete with all components, fittings, Pressure Gauge, 16 Bar pressure transducer & 8 litre diaphragm tank, non-return valve, fitted to the delivery side of the set. e-SM Inverter with THDI filters, Easy set up menu, 4-20ma or 0-10V external signal via BMS, BACnet and Modbus as standard, Large LED display screen, Built in protections: Over/Under voltage, Overcurrent/output short protection, Dry run protection, Motor over temperature, Inverter over temperature.

Technical Data

Electrical Data

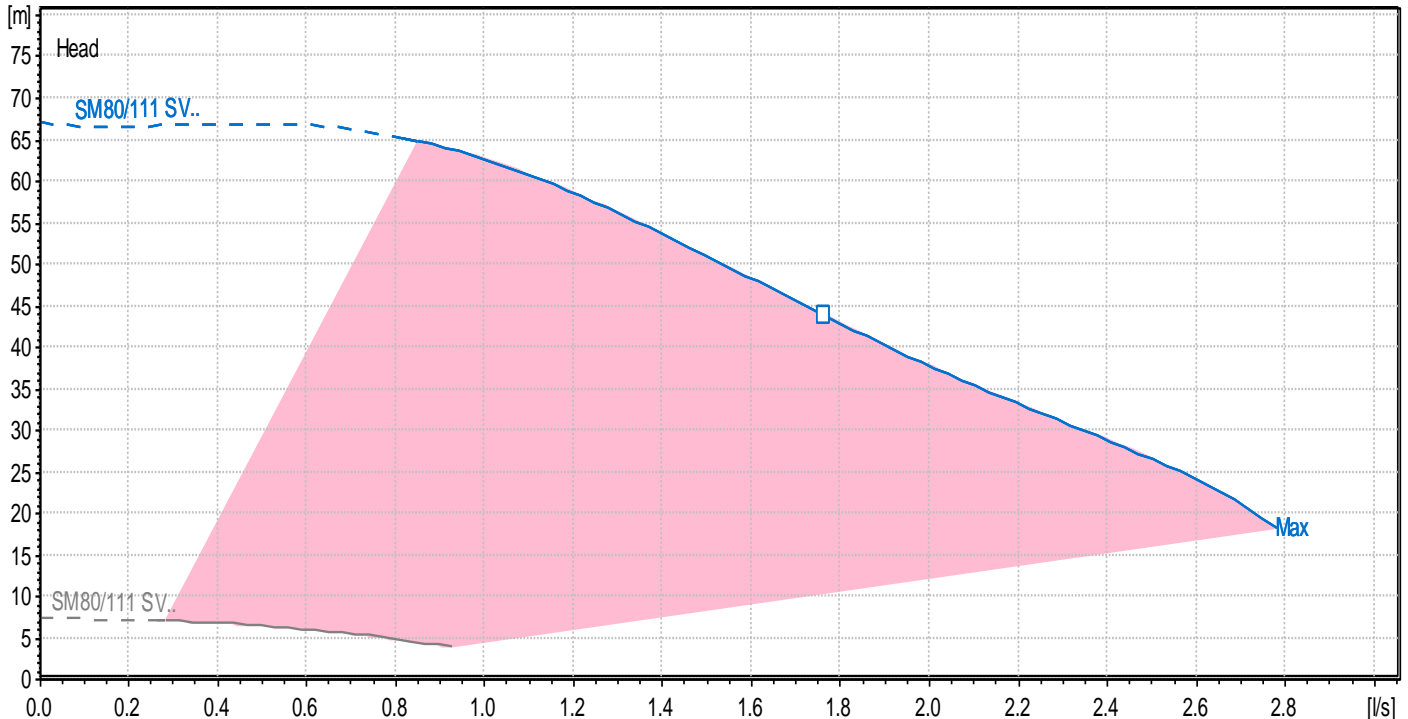
Electric Supply Voltage	208 - 240/1/50Hz
Rated Power (Per Pump)	1.1 kW
Total Electric Current	6.2 A

Pump Material

Pump Body	Stainless Steel
Pump Outer Sleeve	Stainless Steel
Diffuser	Stainless Steel
Impeller	Stainless Steel
Shaft	Stainless Steel
Mechanical Seal	Ceramic/Carbon/EPDM

Material

Non-Return Valves	Brass
Pressure Transducers	AISI 304
Pressure Gauge	10 Bar
Vessel	10 Bar 8 Litre
Terminal Box	IP55 Protection
Base	Steel/Painted

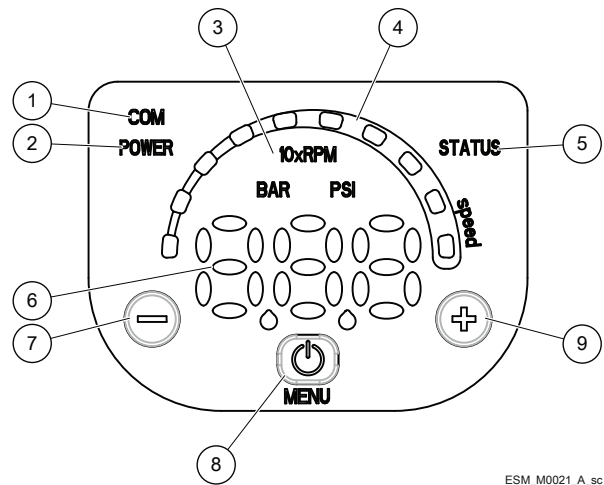
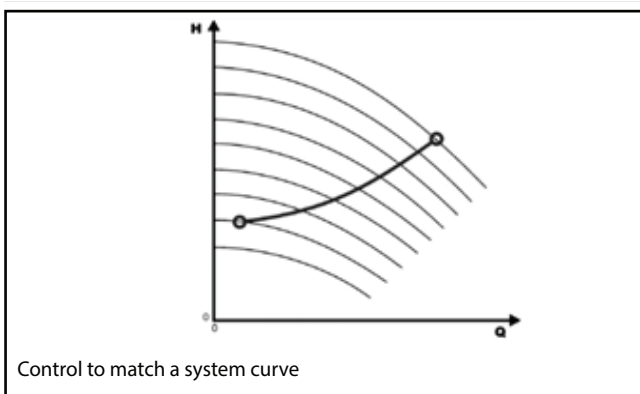
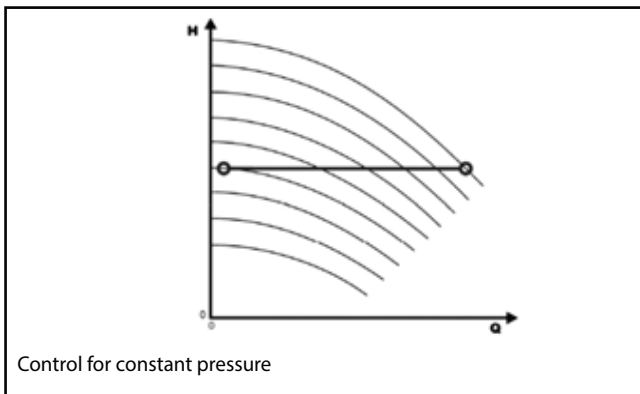
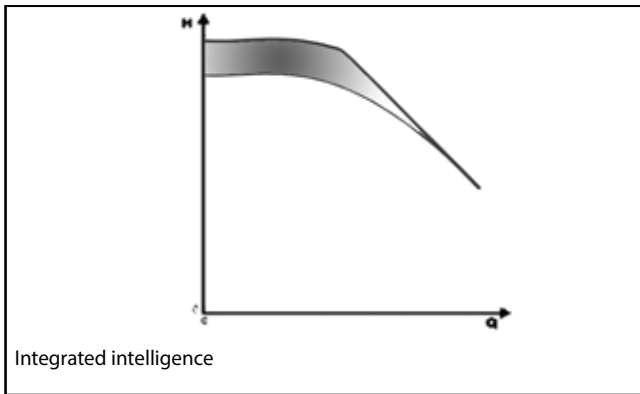


e-SVE SERIES e-SV SMART SERIES

e-SV Smart series is equipped with an intelligent control that optimizes hydraulic performance while minimizing waste.

Integrated intelligence: The electronic control of the motor enables a 20% increase in performance compared to an equivalent fixed speed pump (area highlighted in figure "Integrated intelligence").

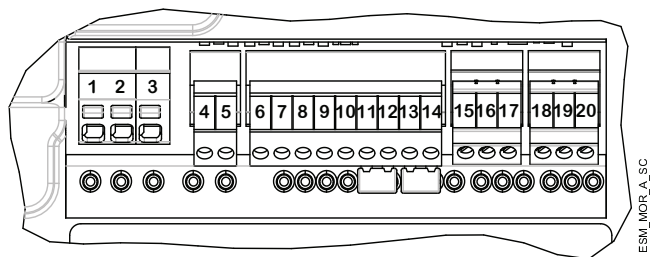
Adjustment: This is possible both at constant pressure and according to the characteristic curve of the system, based on the customer's preferences. Another option is according to an external signal or at a preset speed.



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Intuitive and simple interface: You can control the unit from just three buttons, with an easy to read display for parameters and alarms, designed for complete control of system operation.

- ① Communication LED
- ② Power on LED
- ③ Unit of measure LED
- ④ Speed LED bar
- ⑤ Status LED
- ⑥ Numeric display
- ⑦ \ominus Decrease key
- ⑧ ⏻ On/off and menu key
- ⑨ \oplus Increase key

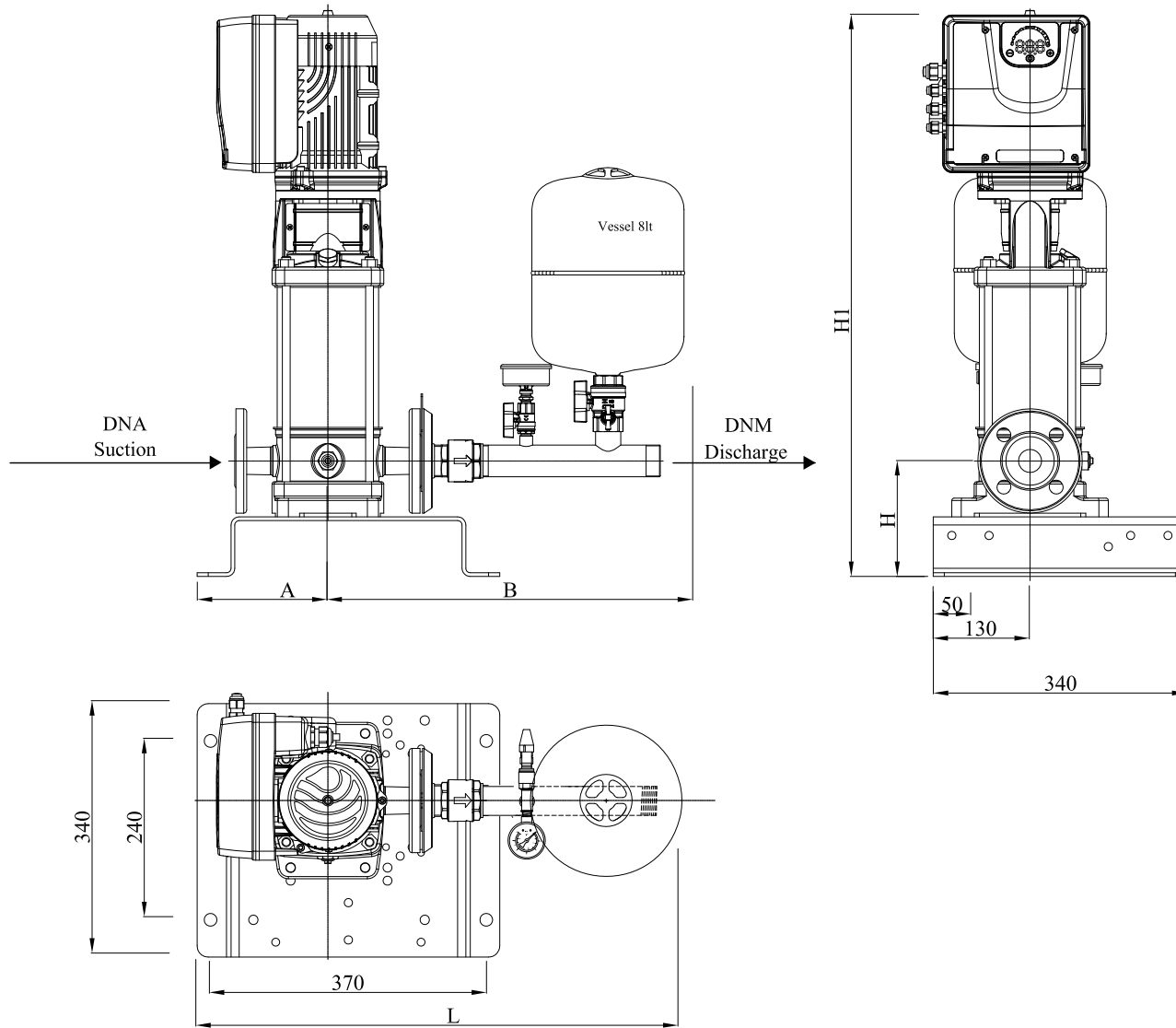


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Terminal block

e-SV Smart has the following terminals::

- 1, 2, 3 = Power supply (\oplus , L, N)
- 4, 5 = Fault signal (NO) - (Ext $V_{max} < 250 \text{ VAC}$ - $I_{max} < 2\text{A}$)
- 6 = Auxiliary voltage supply +15 VDC
- 7, 8 = Analog 0-10V
- 9 = Power supply external sensor +15 VDC
- 10 = External sensor 4-20 mA input
- 11, 12 = External start/stop
- 13, 14 = External lack of water
- 15, 16, 17 = Communication bus RS485, protocol Modbus and BACnet
- 18, 19, 20 = Communication bus RS485, enabled via dedicated module



Type	1SV02	1SV03	1SV04	1SV05	1SV06	1SV07	1SV08	1SV09	1SV10	1SV11	1SV12	1SV13	1SV15	3SV03	3SV04	3SV05	3SV06	3SV07	3SV08	3SV09	3SV10	3SV11	5SV02	5SV03	5SV04	5SV05	5SV06	5SV07	5SV08	10SV01	10SV02	10SV03
DNA/DNM	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN32	DN32	DN32	DN32	DN32	DN32	DN32	DN40	DN40	DN40
A	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	190	190	190
B	485	485	485	485	485	485	485	485	485	485	485	485	485	485	485	485	485	485	485	485	485	485	485	485	485	485	485	485	500	500	500	
H	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155	160	160	160	
H1	567	567	587	607	627	647	689	709	729	749	811	831	871	567	587	629	649	711	731	751	771	791	557	604	624	696	716	746	766	700	700	732
L	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	690	690	690	
Kg	27	27.4	27.8	28.2	28.6	28.9	29.2	29.6	30	30.4	37.7	38.1	39	27.2	27.6	28	30.4	30.8	35.9	38.4	38.8	39.2	27.2	29.7	30.1	35.5	37.6	38	38.5	39.4	40.3	43

NOTES

Machine where shown thus Limits conform to BS4500 - 1969 Surfaces not covered by limit to be machined to a general limit of ± 0.25mm (0.010") All dimensions are in millimetres unless otherwise indicated

DATE	REVISION	No.

SMB10/1SV-10SV series single pump variable speed booster set

DRAWN	CW	 Xylem Water Solutions UK LTD, Millway Rise Industrial Estate, Axminster Devon EX13 5HU
CHECKED		
DATE	12-12-2017	
SCALE		
PART No		
MATL.		
SPEC.		DRG No: M10727