

**VARIABLE SPEED MOTOR -PUMPS EVM-E**
**EVM-E**

**PUMP**

The EVM-E pump is vertical multi-stage centrifugal pump fitted with variable speed drive motor. All wetted parts in contact with liquid are stainless steel; thus ensure trouble-free operation, at all time.

**MOTOR**

Single-phase or Three-phase, variable speed drive conforming to IEC and Low Voltage Directive (CE).

Power supply: 1 Phase supply 240V;

3 phase supply 400V;  $\pm 10\%$ ; 50/60 Hz  $\pm 5\%$ .

**SPECIFICATION**

- IP65 protection, Class F
- Aluminium terminal box and brass cable gland
- Sheet steel fan cover
- RFI filter connection via flexible blade connectors
- Resin-encapsulated electronics to ensure total mechanical withstand to vibration and insensitiveness to humidity

**EVM-E BOOSTER SET**
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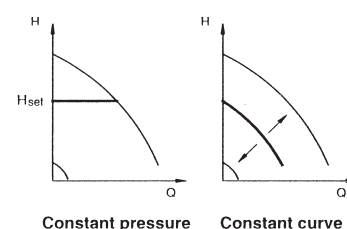
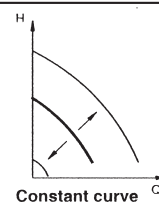
**Applications**

By using Variable Speed motor, EBARA EVM-E Booster set offers the options for variable speed control and wide possibility of optimal pumping operation. In addition to the built-in PI-controller, options also available for connection to external signals and set-point setting on the unit itself. Through frequency control, the motor enables stepless change of motor speed; thus the pump is set to operate at any point within the performance curves.

For constant pressure system, EVM-E Booster set with pressure sensor fitted offers a reliable pumping solution, which is easy to install and operate. The pressure setting can be directly set on the pump.

**ELECTRICAL DATA**

<b>Electricity supply</b>	Single Phase supply 240V $\pm 10\%$ ; 50/60 Hz Three Phase supply 400 $\pm 10\%$ ; 50/60 Hz
<b>Speed regulation</b>	Regulation of a reference with the integrated PI loop PI sensor characteristic: 0 -10V or 4-20mA signal
<b>Set-point signals</b>	* Potentiometer * 0 -10 V set-point signal * 4 -20mA current signal
<b>Protection</b>	Under-voltage Over-voltage Overloading: over-heating, drive and motor Short-circuit; motor windings
<b>Radiated conducted emission</b>	- conforming to EN 50081-2 as standard - conforming to EN 50081-1 with EMC filter option  Immunity: according to EN 50082-2
<b>Enclosure</b>	IP 65
<b>Insulation Class</b>	F (IEC85)

**EVM-E with Sensor**

**EVM-E**


Installing the sensor provides possibility of control via pressure, differential pressure, flow, temperature or differential temperature.