

Speedmatic evo

Water-cooled variable speed drive for single-phase or three-phase pump.

Auto-detection of the power supply voltage of the device, single-phase at 110/230V. The simplicity of configuration and start-up is outstanding, as soon as the device is connected to the mains it is only necessary to select the set pressure. It can be mounted individually or in multi-pump groups, up to 4 devices, in cascade mode with balanced load sharing (duty-assist) or pure alternation mode (duty-standby). **CAN** inter-device communication & **Modbus** iot ready.



CAN



Modbus
RTU



IoT



Low Voltage Directive 2014/35/EC
Electromagnetic Compatibility 2014/30/EC
RoHS 2011/65/EC + 2015/863/EC



evo

OPERATING CHARACTERISTICS

- Frequency inverter for pump management.
- 16x2 backlit display providing real-time information: set pressure (bar/psi), pressure (bar/psi), current consumption (A), frequency (Hz), power consumption (kW), module temperature, and enclosure temperature.
- Automatic supply voltage detection: 110 V or 230 V.
- **RS485** port for **MODBUS RTU** communication.
- **CAN-BUS** port for MULTI-PUMP operation - Cascade mode with balanced load sharing (duty-assist) or pure alternation mode (duty-standby) with up to 4 units.
- Optional **IoT** connection via **KIT CONNECT** auxiliary board.
- **ART** (Automatic Reset Test) function: when the device is stopped by the dry-run protection system, ART will attempt, at programmed intervals, to restart the unit until water supply is restored.
- **Automatic restart** after accidental power interruption. The system reactivates while maintaining all configuration parameters.
- **STC** (Smart Temperature Control) function: when the temperature of the electronic board or its enclosure exceeds certain limits, the device automatically reduces the pump's operating frequency, lowering heat generation while maintaining water supply.
- **Integrated non-return valve**
- **Digital input** (1x): configurable for a remote start/stop, or connection of an external level float switch.
- **Volt-free relay outputs** (1x): volt-free contact for monitoring alarms (optional plug-in auxiliary circuit).
- Current sensor: provides real-time digital reading (A) and instantaneous power consumption (kW).
- **Operational log**: displays total working hours, number of starts, number of power-ups, and accumulated power consumption.
- **Alarm log**: shows the number and type of alarms generated since the device was commissioned.
- PID control adjustment possible.
- Configurable filling pressure to avoid overpressure in the hydraulic system after power restoration.
- Cooling achieved through the water circulating inside the device.
- EMC C2 and C1 class models

TECHNICAL CHARACTERISTICS

	evo	
Power supply voltage	~1x110-230 Vac	
Frequency	50/60 Hz	
Output	~1x110-230 Vac	~3x220-230 Vac
Max. current	14 A	10 A
Max. peak of current	20% 10"	
Range of set pressure	0,5 ÷ 8 bar	
Protection degree	IP55	
Max water temperature	40 °C	
Max environment temperature	50 °C	
Net weight (without cables)	2,5 kg	
Inlet and outlet threads	G 1" - G 1 1/4" - 1" NPT - 1 1/4" NPT	
Max flow	10.000 l/h	
	i/o: ~1/~1	i/o: ~1/~3

CONTROL PANEL



Control panel includes LCD screen, warning leds, push-buttons, START-STOP, AUTO-MATIC and configuration system.

SAFETY SYSTEMS

- Control and safety against overload.
- Control and safety system against wrong supply voltage.
- Control and safety system against short-circuit.
- Control and safety system against dry-running operation.
- Safety system against over-temperature.
- Minimum and maximum pressure.

DIMENSIONS

