

E-drive

FREQUENCY INVERTER FOR THE CONTROL OF ELECTRIC PUMPS

E-drive is a device for the control and protection of pumping systems based on frequency variations in the power supply of the pump. E-drive can be connected to any pump on the market, it manages operation to maintain set physical quantities constant (pressure, flow or temperature of fluid or more) depending on the conditions of use. In this way the pump is operated only as and when needed without wasting energy and as such extending its life.

APPLICATIONS

- Domestic and industrial water supply
- Irrigation
- Heating and air conditioning
- Filtering and pressure washing

TECHNICAL DETAILS

- Energy and financial savings
- Easy system installation and at a lower cost
- Longer system life
- Increased reliability

TECHNICAL DATA

- Power supply frequency: 50-60 Hz (+/-2%)
- Max working ambient temperature under a nominal load: 40°C (104 °F)
- Max altitude under a nominal load: 1000 m
- Protection degree: IP55 (NEMA 4)
- Configurable digital outputs NO or NC:
 1. running motor signal
 2. alarm
 3. pump control DOL 1
 4. pump control DOL 2
- Analogue inputs, (10 or 15 Vdc):
 1. 4-20 mA
 2. 4-20 mA
 3. 4-20 mA/0-10 Vdc (configurable)
 4. 4-20 mA/0-10 Vdc (configurable)
- 4 Digital inputs, configurable NO or NC, to start and stop the motor
- Serial RS485



ELECTRIC DATA TABLE

Model	V _{in} +/- 15% [V]	Max. V _{out} [V]	I _{out} [A]	P ₂ typical motor [kW]	Dimensions [mm]	
E-drive 1500	1 ~ 230	1 x 230	9	1.1	181x181x228	
		3 x 230	7	1.5		
E-drive 3000	1 ~ 230	1 x 230	9	1.1		
		3 x 230	11	3		
E-drive 2200	3 x 400	3 x 400	6	2.2		260x260x180
E-drive 4000	3 x 400	3 x 400	9	4		
E-drive 5500	3 x 400	3 x 400	14	5.5		
E-drive 7500	3 x 400	3 x 400	18	7.5		
E-drive 11000	3 x 400	3 x 400	25	11		
E-drive 15000	3 x 400	3 x 400	30	15		
E-drive 18500*	3 x 400	3 x 400	38	18.5	680x410x260	
E-drive 22000*	3 x 400	3 x 400	48	22		
E-drive 30000*	3 x 400	3 x 400	65	30		
E-drive 37000*	3 x 400	3 x 400	75	37		
E-drive 45000*	3 x 400	3 x 400	85	45		

* Supplied with the standard wall mounting kit