

## **Etaline L PumpDrive 2 Eco In-line Pump**

Single-stage close-coupled in-line volute casing pump with common motor/pump shaft, with uncooled KSB mechanical seal. Surface-cooled KSB three-phase / single-phase AC motor.

Energy efficiency class IE2 to IEC 60034-30 (from 0.75 kW)

The Etaline L PumpDrive2 Eco type series complies with ErP Directive 2009/125/EC and meets the ecodesign requirements established in 2015 for water pumps with a maximum shaft power of 150 kW as per EU Regulation 547/2012; the MEI values (min.  $\geq 0.4$ ) are documented on the name plate and in the data sheet.

### ***PumpDrive 2 Eco Frequency Inverter***

Self-cooling frequency inverter, mounted directly on the motor. Controlled by integrated PI controller. Controlled variables are pressure, differential pressure delta-p, flow rate and temperature. Display and setting of all operating parameters via a control unit with graphical display. Setpoint adjustment or control via external standard signal or digital motor potentiometer function.

Protective function for drive and pump.

Pump and drive parameters pre-set at the factory.

### **Mounting options:**

Motor-mounted, wall-mounted, cabinet-mounted

### **Design:**

- Mains voltage 3x380 V AC -15 % to 480 V AC +10 %
- Internal power supply unit 24 V DC +10 %, max. 600 mA
- Rel. atmospheric humidity max. 85 %, non-condensing
- Service interface: optical
- Analog input: 2x 0/2 - 10 V or 0/4 - 20 mA
- Analog output: 1x 0/4 - 20 mA
- Digital input:
  - 1x hardware enable input
  - 3x parameterisable
- Relay output:
  - 1x NO contact, parameterisable

### **Operating data**

Fluid handled	:
Flow rate	:
Head	:
Fluid temperature	:
Permissible fluid temperature min./max.	: -10 to 120 °C
Maximum operating pressure	: 10 bar
Ambient temperature	: 40 °C

### **Motor/electronics**

MEI value	:
Motor rating	:
Max. rated current	:
Speed	:
Power supply	:
Motor size	:
Energy efficiency class	:
Enclosure	:
Motor make	:

**Materials**

Pump casing :  
Impeller :  
Pump shaft : stainless steel 1.4571  
Casing cover comprising:  
Cap :  
Drive lantern : aluminium AC-46500  
  
Mechanical seal : Code 11 - carbon/silicon carbide BQ1EGG

**Connection dimensions**

Pipe connection :  
Overall length :

**Purchase order information**

Approx. net weight :  
Make : KSB  
Type : Etaline L PumpDrive 2 Eco  
Material price group : AI

**Item No.** :

**Typical Tender Etaline L PumpDrive 2 Eco**

**1514.522/02-EN**

**Subject to technical modification without prior notice.**