**Etaline (ETL) low-pressure centrifugal pump, in-line pump made by KSB**

Single-stage volute casing pump with suction and discharge nozzles arranged opposite to each other, in in-line design, with standardised KSB motor. The pump and motor shaft are rigidly connected. The pump is designed with replaceable casing wear rings, closed radial impeller with multiply curved vanes, uncooled mechanical seal to EN 12756, shaft equipped with replaceable shaft protecting sleeve in the shaft seal area.

Compliant with ErP Directive 2009/125/EC. 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. >= 0.4) are documented on the name plate and in the data sheet.

**Operating data**:

Fluid handled:

Flow rate:

Head:

NPSH required

Fluid temperature:

Permissible fluid temperature min./max.

Maximum operating pressure:

Ambient temperature min./max.: -10 to +50 °C

**Motor:**

MEI value:

Motor rating:

Max. rated current:

Speed:

Mains connection:

Motor size:

Energy efficiency class:

Enclosure: IP55

Motor make: KSB standardised motor

**Materials:**

Volute casing (102): Grey cast iron EN-GJL-250

Impeller (230): Grey cast iron EN-GJL-250 / bronze CC480K-GS / stainless steel 1.4408\*)

Shaft (210): Tempered steel C45+N / stainless steel 1.4571\*)

Casing cover (161): Grey cast iron EN-GJL-250

Casing wear ring, suction side (502.1): Grey cast iron EN-GJL-250 / bronze CC495K-GS\*)

Casing wear ring, discharge side (502.2): Grey cast iron EN-GJL-250 / bronze CC495K-GS\*)

Shaft seal type: Single

Shaft seal material:

**Dimensions and connections:**

Pump connection

Nominal pressure class: PN16

Overall length:

**Purchase order information:**

Approx. net weight:

Make: KSB

Type: Etaline

Material price group: 55

**Item number:**

**Accessories:**

Pump foot for vertical installation\*)

**\*) Delete as applicable**

**Typical tender for Etaline**

**1159.521/03-EN**

**Subject to technical modification without prior notice**

**20 July 2020**