

ETLL025-025-080 GPSAV11D200252C AATB

Inline pump

Ident number 48270092

Operating data

Pumped medium

Ambient air temperature 20.0 °C
 Fluid temperature 20.0 °C
 Fluid density 998 kg/m³
 Fluid viscosity 1.00 mm²/s
 Suction pressure max. 0.00 bar.g

Mass flow rate 1.57 kg/s
 Max. power on curve 0.27 kW
 Min. allow. flow for continuous stable operation 0.06 m³/h
 Shutoff head 7.90 m

Actual flow rate 5.65 m³/h
 Actual developed head 5.82 m
 Efficiency 43.7 %
 Power absorbed 0.20 kW
 Pump speed of rotation 2885 rpm
 NPSH required 1.22 m
 Permissible operating pressure 10.00 bar.g
 Discharge press. 0.57 bar.g

Min. allow. mass flow for continuous stable operation 0.02 kg/s
 Max. allow. mass flow 3.07 kg/s
 Design Single system 1 x 100 %

Design

Pump standard Without
 Design Close-coupled in-line
 Orientation Horizontal
 Suction nominal dia. G 1 1/2
 Suction nominal pressure PN 10
 Suction position 180° (down)
 Suction flange drilled according to standard EN ISO 228-1
 Discharge nominal dia. G 1 1/2
 Discharge nominal pressure PN 10
 Discharge position top (0°/360°)
 Discharge flange drilled according to standard EN ISO 228-1
 Shaft seal Single acting mechanical seal

Manufacturer KSB
 Type TYPE 2100
 Material code BQ1EGG
 Shaft seal code 11
 Sealing plan Single-acting mechanical seal with vented chamber (A-type casing cover, taper bore)
 Seal chamber design Conical seal chamber (A-type cover)
 Impeller diameter 80.0 mm
 Direction of rotation from drive Anticlockwise
 Bearing bracket construction Close-coupled
 Bearing type Anti-friction bearings
 Lubrication type Grease
 Color Vermilion (RAL 2002)

Driver, accessories

Driver type Electric motor
 Drive standard mech. IEC
 Model (make) KSB
 Drive supplied by Standard motor supplied by KSB - mounted by KSB
 Motor const. type B14
 Motor size 63M
 Motor speed 2887 rpm
 Frequency 50 Hz
 Rated voltage 400 V
 Rated power P2 0.25 kW
 Available reserve 22.16 %
 Rated current 0.8 A
 Starting current ratio 4.6
 Insulation class F to IEC 34-1
 Motor enclosure IP55

Cos phi at 4/4 load 0.70
 Motor efficiency at 4/4 load 67.0 %
 Temperature classes ""
 Temperature class motor ""
 Temperature sensor Without
 Terminal box position 0°/360° (top)
 Viewed from the drive
 Motor winding 400 V
 Number of poles 2
 Connection mode Star
 Motor cooling method Surface cooling
 Motor material AC-46200F-D
 Frequency inverter operation VFD-suitability only in connection with KSB
 allowed PumpDrive
 Motor noise pressure level 61 dBa

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Materials GP

Notes 1

General criteria for a water analysis: pH-value ≥ 7 ; chloride content (Cl) ≤ 250 mg/kg. Chlorine (Cl₂) ≤ 0.6 mg/kg.

Volute casing (102)

Cast iron EN-GJL-200

Shaft (210)

Stainless steel 1.4571

Impeller (230)

Motor stool (341)

O-Ring (412.50)

Cap (580)

Polysulphon PSU-GF30

Aluminium AC-46500

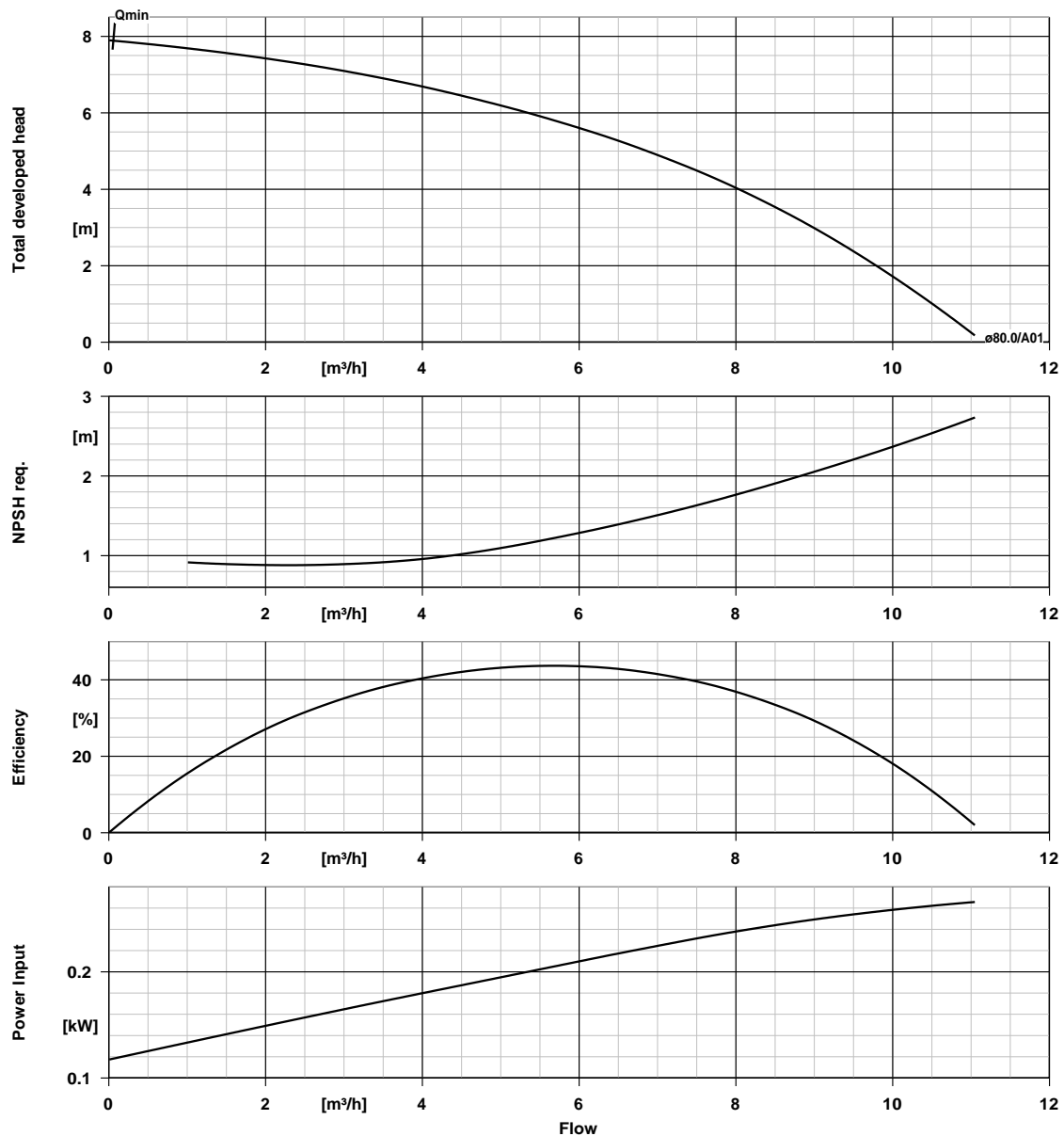
EPDM 70 PEROXYD

Polyamid 66

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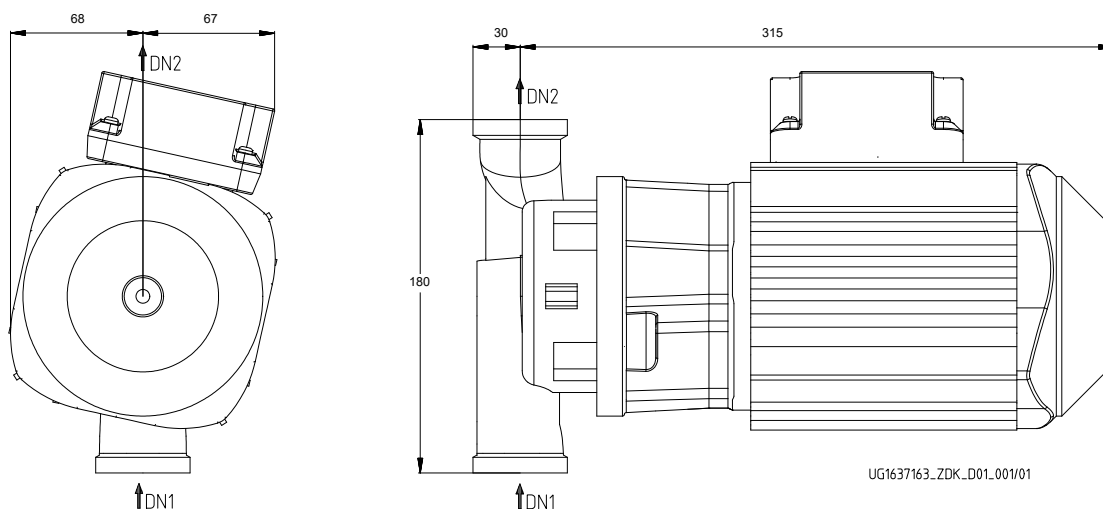
Curve data

Speed of rotation	2885 rpm	Efficiency	43.7 %
Fluid density	998 kg/m^3	Power absorbed	0.20 kW
Viscosity	1.00 mm^2/s	NPSH required	1.22 m
Flow rate	5.65 m^3/h	Curve number	K1159.452/71Ø80
Total developed head	5.82 m	Effective impeller diameter	80.0 mm

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UG1637163_ZDK_D01_001/01

Drawing is not to scale

Dimensions in mm

Motor

Motor manufacturer	KSB
Motor size	63M
Motor power	0.25 kW
Number of poles	2
Speed of rotation	2887 rpm
Position of terminal box	0°/360° (top)
	Viewed from the drive

Connections

Suction nominal size DN1	G 1 1/2 / EN ISO 228-1
Discharge nominal size DN2	G 1 1/2 / EN ISO 228-1
Nominal pressure suct.	PN 10
Rated pressure disch.	PN 10

Weight net

Pump	8 kg
Total	8 kg

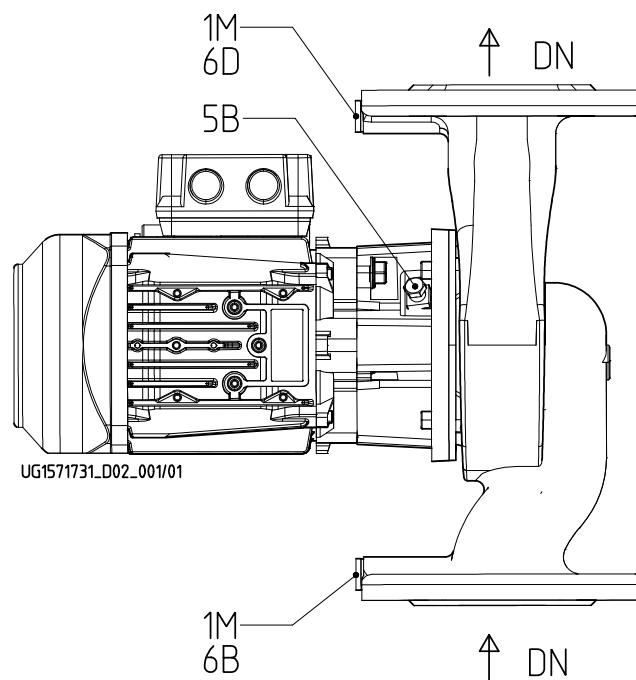
Connect pipes without stress or strain!

For auxiliary connections see separate drawing.

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Connections

1M Pressure gauge connection	G 1/4	Drilled and plugged.
6D Pumped medium - filling / venting	G 1/4	Drilled and plugged.
5B venting		Closed with venting plug
6B Pumped liquid drain	G 1/4	Drilled and plugged.