

**ETLL025-025-080 GPSAV11D200252C AATB**

Inline pump

Ident number 48270092

**Operating data**

Pumped medium		Actual flow rate	5.65 m <sup>3</sup> /h
Ambient air temperature	20.0 °C	Actual developed head	5.82 m
Fluid temperature	20.0 °C	Efficiency	43.7 %
Fluid density	998 kg/m <sup>3</sup>	Power absorbed	0.20 kW
Fluid viscosity	1.00 mm <sup>2</sup> /s	Pump speed of rotation	2885 rpm
Suction pressure max.	0.00 bar.g	NPSH required	1.22 m
Mass flow rate	1.57 kg/s	Permissible operating pressure	10.00 bar.g
Max. power on curve	0.27 kW	Discharge press.	0.57 bar.g
Min. allow. flow for continuous stable operation	0.06 m <sup>3</sup> /h		
Shutoff head	7.90 m	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	Manufacturer	KSB
Design	Close-coupled in-line	Type	TYPE 2100
Orientation	Horizontal	Material code	BQ1EGG
Suction nominal dia.	G 1 1/2	Shaft seal code	11
Suction nominal pressure	PN 10	Sealing plan	Single-acting mechanical seal with vented chamber (A-type casing cover, taper bore)
Suction position	180° (down)	Seal chamber design	Conical seal chamber (A-type cover)
Suction flange drilled according to standard	EN ISO 228-1	Impeller diameter	80.0 mm
Discharge nominal dia.	G 1 1/2	Direction of rotation from drive	Anticlockwise
Discharge nominal pressure	PN 10	Bearing bracket construction	Close-coupled
Discharge position	top (0°/360°)	Bearing type	Anti-friction bearings
Discharge flange drilled according to standard	EN ISO 228-1	Lubrication type	Grease
Shaft seal	Single acting mechanical seal	Color	Vermilion (RAL 2002)

**Driver, accessories**

Driver type	Electric motor	Cos phi at 4/4 load	0.70
Drive standard mech.	IEC	Motor efficiency at 4/4 load	67.0 %
Model (make)	KSB	Temperature classes	""
Drive supplied by	Standard motor supplied by KSB - mounted by KSB	aggregate	""
Motor const. type	B14	Temperature class motor	""
Motor size	63M	Temperature sensor	Without
Motor speed	2887 rpm	Terminal box position	0°/360° (top)
Frequency	50 Hz		Viewed from the drive
Rated voltage	400 V	Motor winding	400 V
Rated power P2	0.25 kW	Number of poles	2
Available reserve	22.16 %	Connection mode	Star
Rated current	0.8 A	Motor cooling method	Surface cooling
Starting current ratio	4.6	Motor material	AC-46200F-D
Insulation class	F to IEC 34-1	Frequency inverter operation allowed	VFD-suitability only in connection with KSB PumpDrive
Motor enclosure	IP55	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

## Performance curve

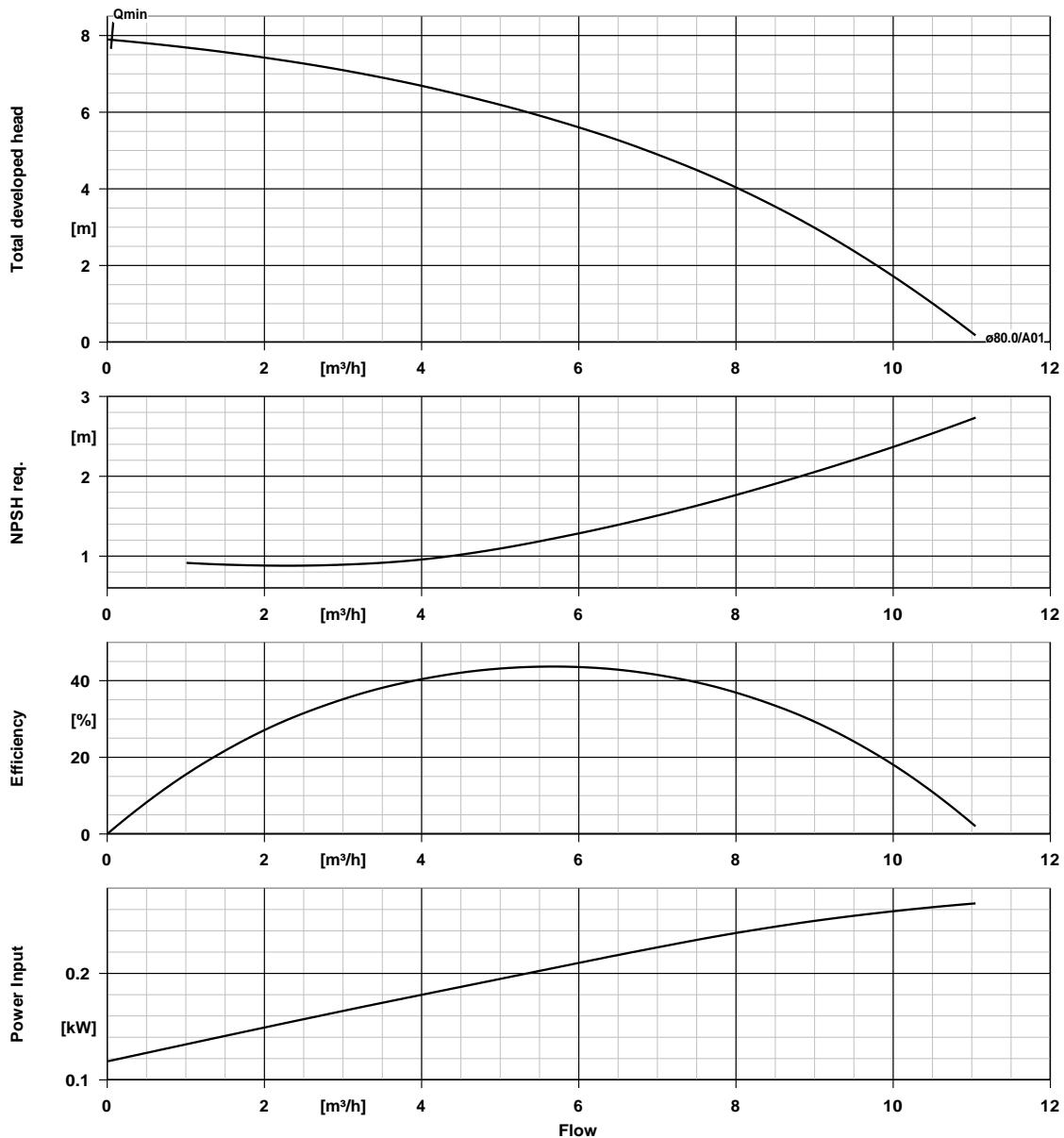


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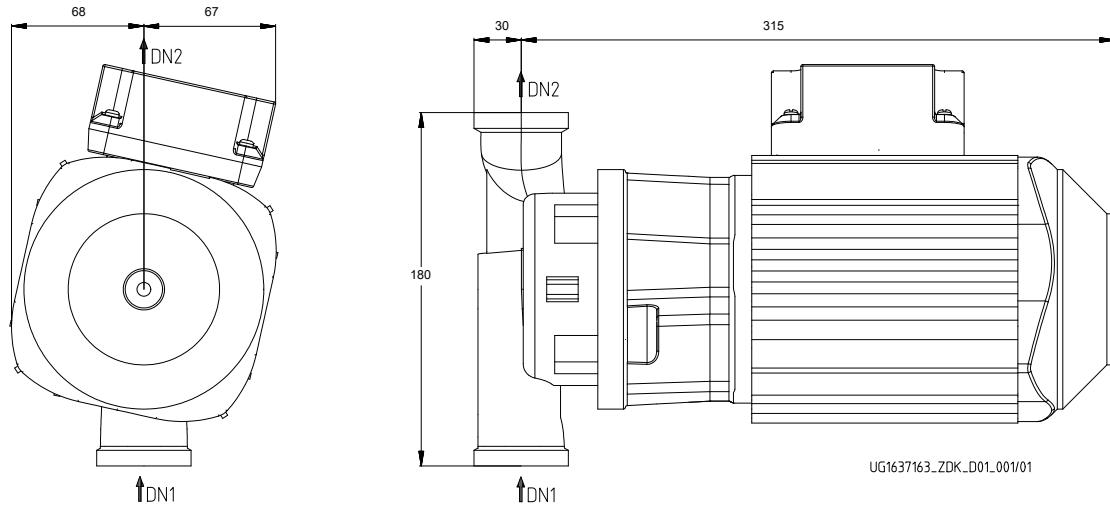
### Curve data

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

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*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

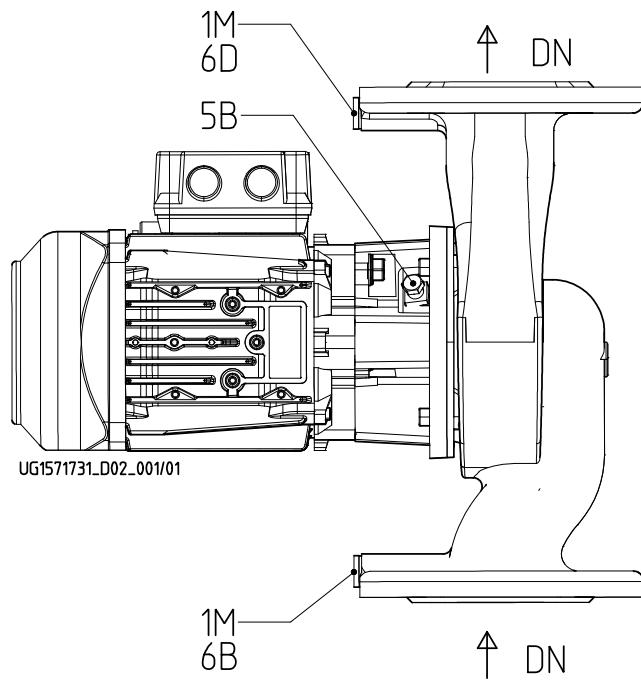
**Connect pipes without stress or strain!**

**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.