

Data sheet



Customer item no.: Lot 5
Communication dated: 22/01/2026
Doc. no.: ACC
Quantity: 2

Number: ES 8004019024
Item no.: 500
Date: 22/01/2026
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KRTF 80-317/372UEG1-S

Version no.: 1

Operating data

Requested flow rate	115.00 m ³ /h	Actual flow rate	115.80 m ³ /h
Requested developed head	53.00 m	Actual developed head	53.74 m
Pumped medium	Wastewater, municipal untreated	Efficiency	53.3 %
Pumped medium details	Not containing chemical and mechanical substances which affect the materials	Power absorbed	32.72 kW
Ambient air temperature	20.0 °C	Pump speed of rotation	2959 rpm
Fluid temperature	40.0 °C	Shutoff head	65.98 m
Fluid density	1028 kg/m ³	Max. power on curve	40.38 kW
Fluid viscosity	0.66 mm ² /s	Design	Single system 1 x 100 %
Overall efficiency	49.0 %	Performance test	No Tolerances to ISO 9906 Class 3B; below 10 kW acc. to paragraph 4.4.2

Design

Design	Close-coupled submersible	Material code	SIC/SIC/NBR
Orientation	Vertical	Impeller type	Free flow (vortex) impeller (F)
Suction flange pump drilled according to(DN1)	unmachined	Impeller diameter	230.0 mm
Discharge flange pump drilled according to(DN2)	DN 80 / PN 10 / Drilled according to EN 1092-2	Free passage size	76 mm
Shaft seal	2 mech. seals in tandem arrangement with oil reservoir	Direction of rotation from drive	Clockwise
Shaft seal manufacturer	KSB	Color	Ultramarine blue (RAL 5002)
Type	MG		KSB-blue

Driver, accessories

Driver type	Electric motor	Motor winding	400 V
Model (make)	KSB	Number of poles	2
Motor const. type	KSB Sub. motor	Starting mode	Direct-on-line starting
Frequency	50 Hz	Connection mode	Delta
Rated voltage	400 V	Motor cooling method	Surface cooling
Rated power P2	37.00 kW	Motor version	U
Available reserve	13.07 %	Cable design	Rubber hose
Rated current	64.5 A	Cable entry	Sealed along entire length
Starting current ratio	8.3	Power cable	S1BN8-F 7G10+5x1.5
Insulation class	H according IEC 34-1	Number of power cables	1
Motor enclosure	IP68	Moisture sensor	With
Cos phi at 4/4 load	0.90	Cable length	10.00 m
Motor efficiency at 4/4 load	92.0 %		
Temperature sensor	Bimetal switch 2x		

Materials G1

Pump casing (101)	Grey cast iron EN-GJL-250	O-Ring (412)	Nitrile rubber NBR
Discharge cover (163)	Grey cast iron EN-GJL-250	Motor housing (811)	Grey cast iron EN-GJL-250
Shaft (210)	Chrome steel 1.4021+QT800	Motor cable (824)	Chloroprene rubber
Impeller (230)	GX2CRNIMOCUN25-6-3-3 1.4517	Screw (900)	CrNiMo steel A4
Bearing bracket (330)	Grey cast iron EN-GJL-250/A48CL35B		

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Packaging

Packaging category	A0 Packing acc. to KSB choice	Packaging for transport	Truck
Packaging for storage	Indoor		

Nameplates

Nameplates language	International	Duplicate nameplate	With
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Installation parts

Installation type	stationary 2 guide rail	Type	Chain
Scope of supply	Pump with installation parts For guide rail arrangements, the guide rails are not included in KSB's scope of supply.	Material	CrNiMo steel 1.4404
		Length	5.00 m
		Max. load	400 kg
Installation depth	4.50 m		
Material concept	G		

Duckfoot bend

Size	DN 100
Flange design	EN
Duckfoot bend size (DN2 / DN3)	DN 100 Drilled according to EN
Material	Grey cast iron EN-GJL-250
Mounting type	Composite anchor bolts
Foundation rail	Without

Claw

Design	Straight
Size	DN 80 / 100

Lifting chain / -rope

Performance curve

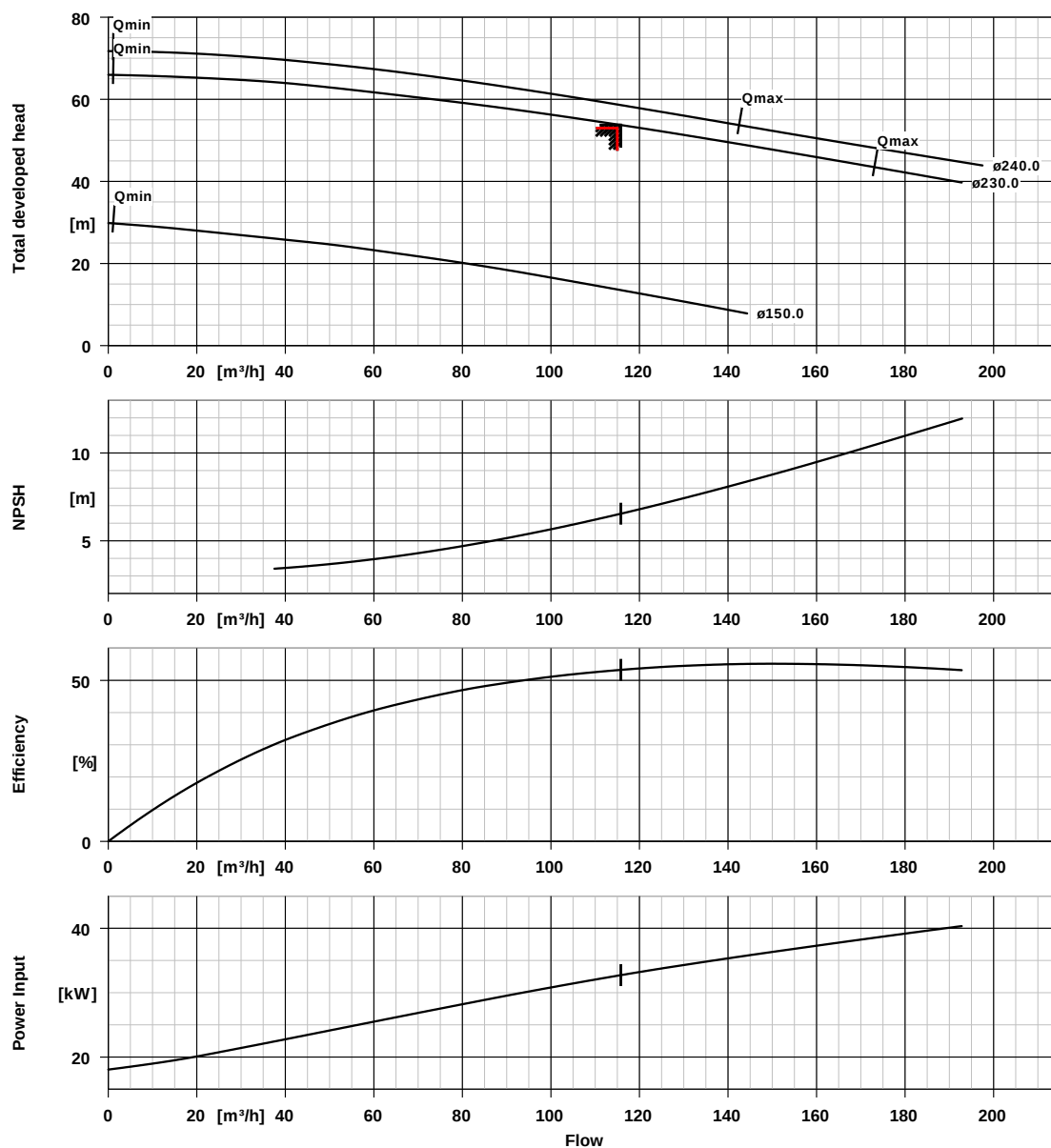


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Curve data

Speed of rotation 2959 rpm
Fluid density 1028 kg/m³
Viscosity 0.66 mm²/s
Flow rate 115.80 m³/h
Requested flow rate 115.00 m³/h
Total developed head 53.74 m
Requested developed head 53.00 m

Efficiency 53.3 %
Power absorbed 32.72 kW
NPSH 3% 6.54 m
Curve number K43799/1
Effective impeller diameter 230.0 mm
Acceptance standard Tolerances to ISO 9906
Class 3B; below 10 kW
acc. to paragraph 4.4.2

Installation plan

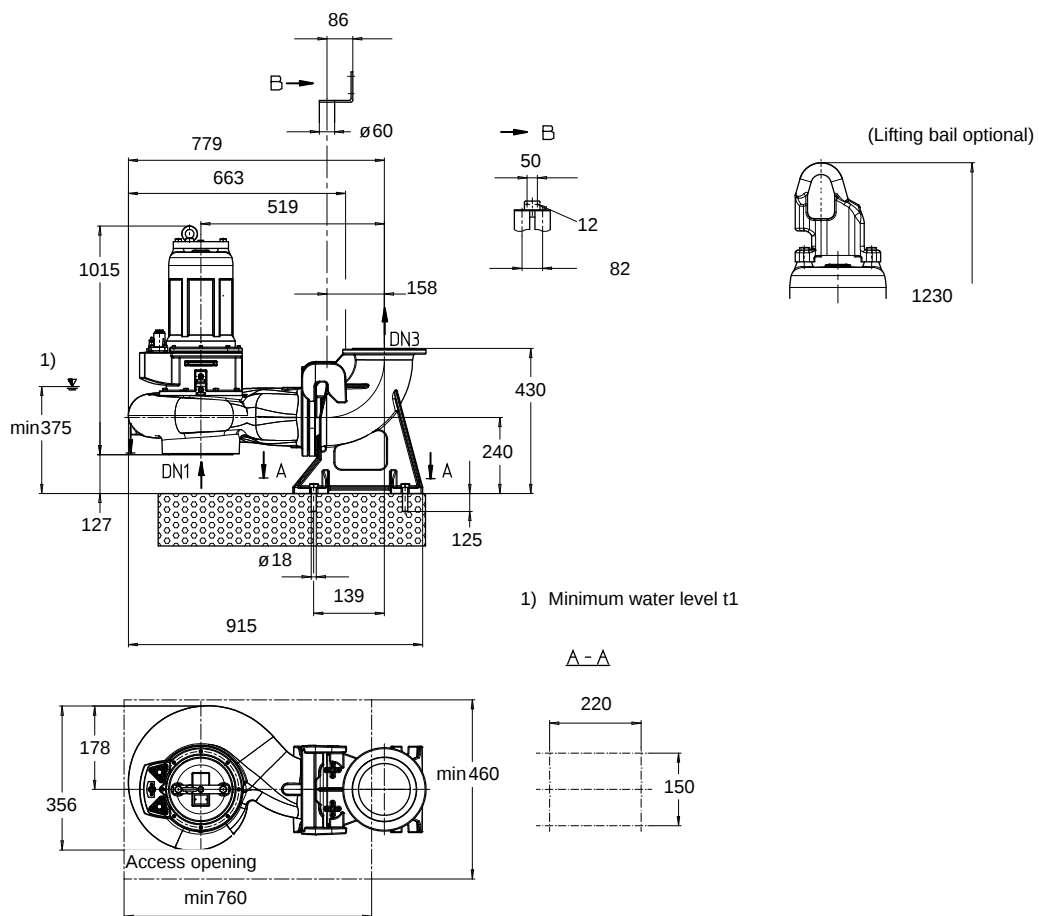


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Drawing is not to scale

Dimensions in mm

Installation plan



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Motor

Motor manufacturer	KSB
Motor size	37E
Motor power	37.00 kW
Number of poles	2
Speed of rotation	2954 rpm

Connections

Suction flange pump drilled according to (DN1)	unmachined
Duckfoot bend size (DN2 / DN3)	DN 100 Drilled according to EN

Weight net

Pump, Motor, Cable, Claw	335 kg
Duckfoot bend	41 kg
Total	376 kg

For auxiliary connections see separate drawing.

Connect pipes without stress or strain!

Dimensional tolerances for shaft axis height: DIN 747
Dimensions without tolerances, middle tolerances to:
Connection dimensions for pumps:
Dimensions without tolerances - welded parts:
Dimensions without tolerances - gray cast iron parts:
Dimensions without tolerances - stainless steel parts:

ISO 2768-m
EN 735
ISO 13920-B
ISO 8062-CT11
ISO 8062-CT12