

Data sheet



Customer item no.: Lot 4
Communication dated: 22/01/2026
Doc. no.: ACC
Quantity: 2

Number: ES 8004019024
Item no.: 400
Date: 22/01/2026
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Sewabloc F 80-317G1 H 200L 02

Version no.: 1

Operating data

Requested flow rate	60.00 m ³ /h	Actual flow rate	60.63 m ³ /h
Requested developed head	48.00 m	Actual developed head	49.02 m
Pumped medium	Wastewater, municipal untreated	Efficiency	41.8 %
Pumped medium details	Not containing chemical and mechanical substances which affect the materials	Power absorbed	19.96 kW
Max. ambient air temperature	20.0 °C	Pump speed of rotation	2970 rpm
Min. ambient air temperature	20.0 °C	NPSH 3%	3.98 m
Fluid temperature	20.0 °C	Permissible operating pressure	10.00 bar.g
		Discharge press.	4.95 bar.g
Fluid density	1030 kg/m ³	Shutoff head	54.41 m
Fluid viscosity	1.00 mm ² /s	Min. allowable flow rate	1.11 m ³ /h
Suction pressure max.	0.00 bar.g	Min. allow. mass flow	0.32 kg/s
Mass flow rate	17.35 kg/s	Design	Single system 1 x 100 %
Max. power on curve	29.96 kW		Tolerances to ISO 9906 Class 3B; below 10 kW acc. to paragraph 4.4.2
Max. allow. mass flow	51.89 kg/s		

Design

Pump standard	KSB-Aggregate international execution	Shaft seal manufacturer	KSB
Design	Close-coupled	Type	MG
Orientation	Horizontal	Material code	SIC/SIC/NBR
Suction nominal dia.	DN 100	Impeller type	Free flow (vortex) impeller (F)
Suction nominal pressure	PN 16	Wear ring	Casing wear ring
Suction position	axial	Impeller diameter	200.0 mm
Discharge nominal dia.	DN 80	Free passage size	76 mm
Discharge nominal pressure	PN 16	Direction of rotation from drive	Clockwise
Discharge position	top (0°/360°)	Bearing bracket size	B03
Discharge flange drilled according to standard	EN 1092-2	Bearing type	Anti-friction bearings
Suction nozzle drilled acc. to DIN2501 with tapped blind holes		Lubrication type	Grease
Shaft seal	2 mech. seals in tandem arrangement with oil reservoir	Color	Ultramarine blue (RAL 5002) KSB-blue

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Driver, accessories

Baseplate type	Sewatec foundation rails	Cos phi at 4/4 load	0.87
Baseplate size	107	Motor efficiency at 4/4 load	93.0 %
Scope of mounting parts: foundation rails.		Temperature sensor	3 PTC resistors
Driver type	Electric motor	Motor winding	400 / 690 V
Drive standard mech.	IEC	Number of poles	2
Model (make)	KSB-Motor	Connection mode	Delta
Drive supplied by	Standard motor supplied by KSB - mounted by KSB	Motor cooling method	Surface cooling
Motor const. type	V15	Motor material	Aluminium
Motor size	200L	Frequency inverter operation	FI allowed
Efficiency class	Efficiency class IE3 acc. to IEC60034-30-1	allowed	
Motor speed	2972 rpm	Motor noise pressure level	74 dBa
Frequency	50 Hz	Sewaslide	Without maintenance slide
Rated voltage	400 V	Motor data can vary from type plate information. Motor data describes KSB's choice functional specification and is used for pump selection.	
Rated power P2	30.00 kW	CE-approval	Yes
Available reserve	50.29 %	EAC Approval	Yes
Rated current	53.0 A	Condensat drain motor	Yes
Starting current ratio	7	Ambient temperature	40.0 °C
Insulation class	F to IEC 34-1	Max. absolute humidity	30 g/m3
Motor enclosure	IP55	Temp. sensor mtr. bearing	Without
		UKCA conformity	Yes

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	Casing wear ring (502.1)	Grey cast iron EN-GJL-250
Shaft (210)	Chrome steel 1.4021+QT800	Screwed plug (903)	Steel ST
Impeller (230)	GX2CRNIMOCUN25-6-3-3 1.4517	Hexagon socket head cap screw (914)	Chrome steel CrSt

Packaging

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

Nameplates

Nameplates language	International
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Performance curve

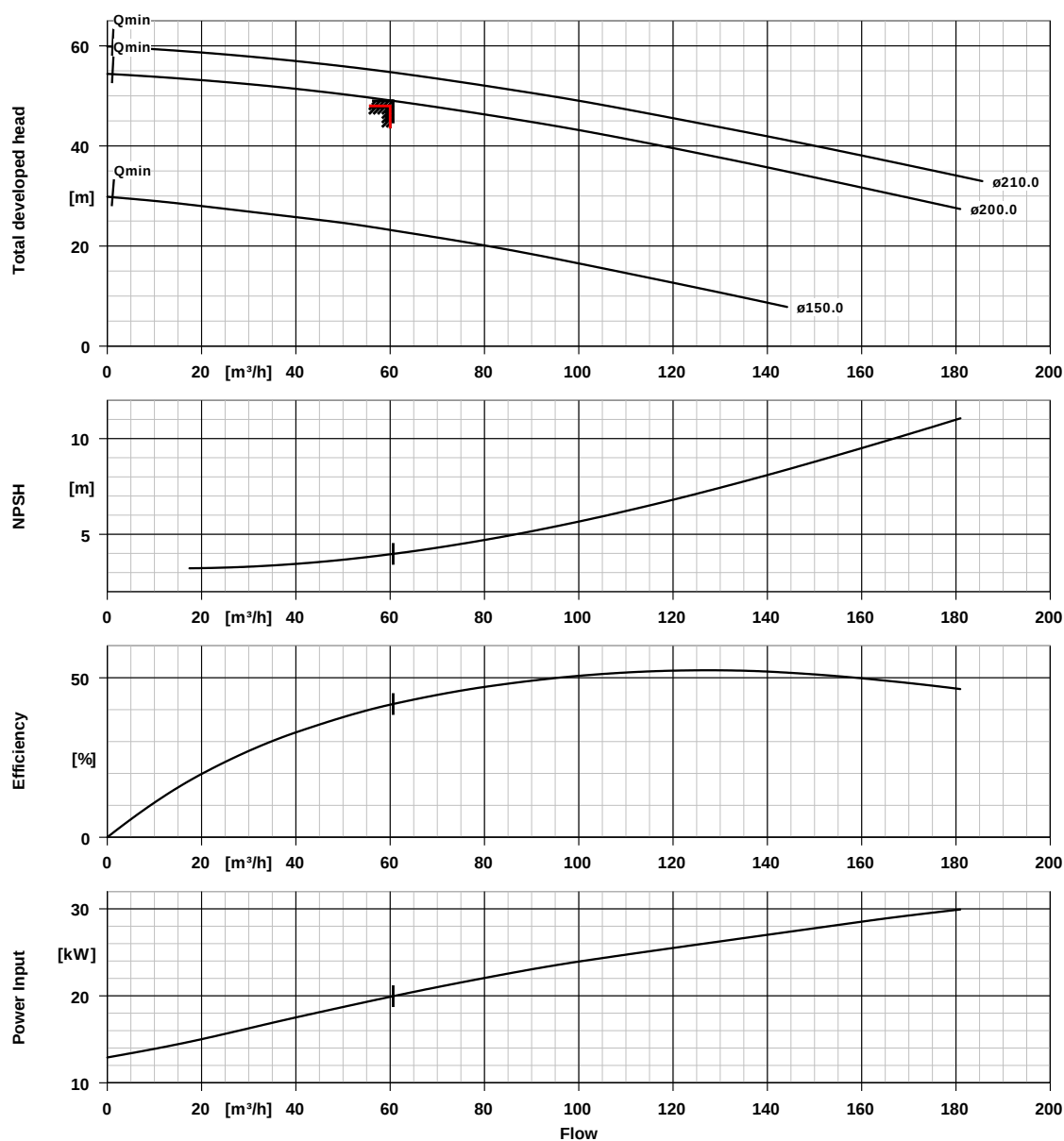


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Curve data

Speed of rotation	2970 rpm	Efficiency	41.8 %
Fluid density	1030 kg/m ³	Power absorbed	19.96 kW
Viscosity	1.00 mm ² /s	NPSH 3%	3.98 m
Flow rate	60.63 m ³ /h	Curve number	K43805/2
Requested flow rate	60.00 m ³ /h	Effective impeller diameter	200.0 mm
Total developed head	49.02 m	Acceptance standard	Tolerances to ISO 9906
Requested developed head	48.00 m		Class 3B; below 10 kW
			acc. to paragraph 4.4.2

Installation plan

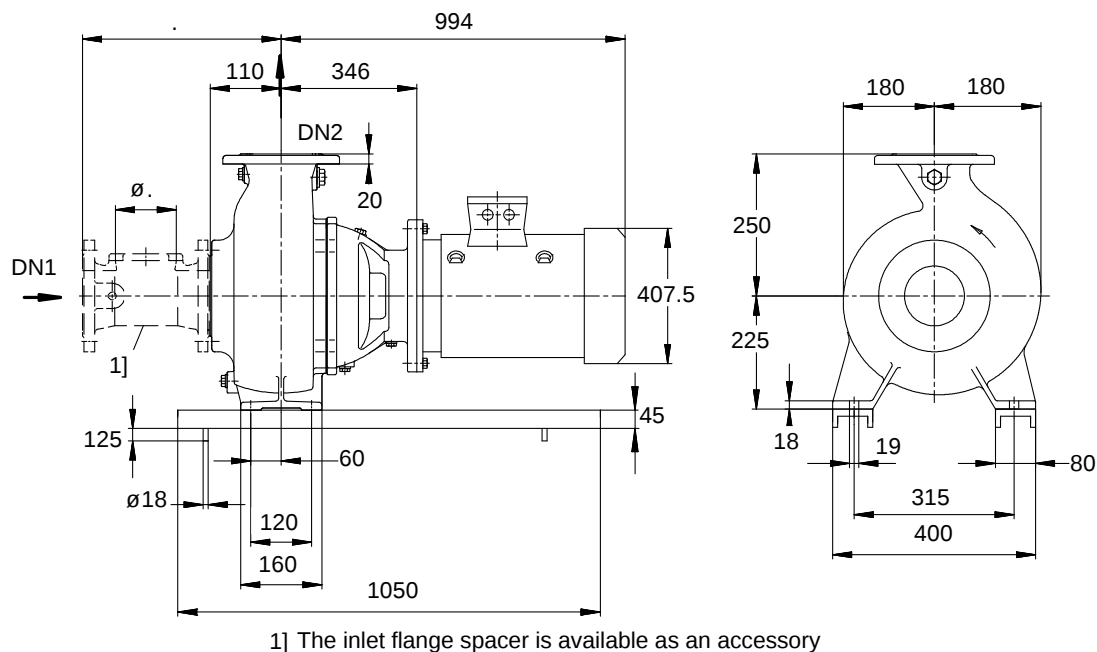


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Drawing is not to scale

Dimensions in mm

Motor

Motor manufacturer	KSB-Motor
Motor size	200L
Motor power	30.00 kW
Number of poles	2
Speed of rotation	2972 rpm

Connections

Suction nominal size DN1	DN 100 / EN 1092-2
Discharge nominal size DN2	DN 80 / EN 1092-2
Nominal pressure suct.	PN 16
Rated pressure disch.	PN 16
Suction nozzle drilled acc. to DIN2501 with tapped blind holes	

Baseplate

Design	Sewatec foundation rails
Size	107
Material	Steel ST
Leakage drain baseplate (8B)	Rp1, Without
Baseplate drain piping execution	Without

Weight net

Pump	119 kg
Baseplate	20 kg
Suction side accessory	
Motor	245 kg
Total	384 kg

Connect pipes without stress or strain!

Dimensional tolerances for shaft axis height:
Dimensions without tolerances, coarse tolerances to:
Connection dimensions for pumps:
Dimensions without tolerances - welded parts:

DIN 747
ISO 2768-c
EN735
ISO 13920-B

For auxiliary connections see separate drawing.

Installation plan



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Dimensions without tolerances - gray cast iron parts:

ISO 8062-CT10/11