

Data sheet



Customer item no.: Lot 6
Communication dated: 22/01/2026
Doc. no.: ACC
Quantity: 1

Number: ES 8004019024
Item no.: 600
Date: 22/01/2026
Page: 26 / 31

Sewatec K 200-504G1 3EN 315S 06

Version no.: 1

Operating data

Requested flow rate	500.00 m ³ /h	Actual flow rate	500.00 m ³ /h
Requested developed head	35.00 m	Actual developed head	35.00 m
Pumped medium	Wastewater, municipal untreated	Efficiency	82.4 %
Pumped medium details	Not containing chemical and mechanical substances which affect the materials	Power absorbed	59.39 kW
Max. ambient air temperature	20.0 °C	Pump speed of rotation	994 rpm
Min. ambient air temperature	20.0 °C	NPSH 3%	3.06 m
Fluid temperature	40.0 °C	Permissible operating pressure	10.00 bar.g
		Discharge press.	3.53 bar.g
Fluid density	1028 kg/m ³	Shutoff head	45.75 m
Fluid viscosity	0.66 mm ² /s	Min. allowable flow rate	178.60 m ³ /h
Suction pressure max.	0.00 bar.g	Min. allow. mass flow	51.00 kg/s
Overall efficiency	78.8 %	Max. allow. mass flow	196.41 kg/s
Mass flow rate	142.72 kg/s	Design	Single system 1 x 100 %
Max. power on curve	71.23 kW		Tolerances to ISO 9906 Class 3B; below 10 kW acc. to paragraph 4.4.2

Design

Pump standard	KSB-Aggregate international execution	Type	MG
Design	Baseplate mounted, long-coupled	Material code	SIC/SIC/NBR
Orientation	Horizontal	Impeller type	Multivane radial flow impeller (K)
Suction nominal dia.	DN 250	Wear ring	Casing wear ring
Suction nominal pressure	PN 10	Impeller diameter	508.0 mm
Suction position	axial	Free passage size	76 mm
Discharge nominal dia.	DN 200	Direction of rotation from drive	Clockwise
Discharge nominal pressure	PN 10	Bearing bracket size	S06
Discharge position	top (0°/360°)	Bearing seal	Lip seal
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
Shaft seal manufacturer	KSB		

Data sheet



Customer item no.: Lot 6
Communication dated: 22/01/2026
Doc. no.: ACC
Quantity: 1

Number: ES 8004019024
Item no.: 600
Date: 22/01/2026
Page: 27 / 31

Sewatec K 200-504G1 3EN 315S 06

Version no.: 1

Driver, accessories

Coupling Manufacturer	Flender	Available reserve	26.28 %
Coupling type	Eupex N	Rated current	135.0 A
Nominal size	180	Starting current ratio	8.2
Coupling guard type	Heavy (ZN3230)	Insulation class	F to IEC 34-1
Guard size	A3	Motor enclosure	IP55
Guard material	Steel ST	Cos phi at 4/4 load	0.84
Baseplate type	Welded steel for Sewatec	Motor efficiency at 4/4 load	95.4 %
Baseplate size	H27	Temperature sensor	3 PTC resistors
Driver type	Electric motor	Motor winding	400 / 690 V
Drive standard mech.	IEC	Number of poles	6
Model (make)	Innomotics	Fixed bearing reinforced	axial
Drive supplied by	Standard motor supplied by KSB - mounted by KSB	Connection mode	Delta
Motor const. type	B3	Motor cooling method	Surface cooling
Motor size	315S	Motor material	Grey cast iron GG/CAST IRON
Efficiency class	Efficiency class IE4 acc. to IEC60034-30-1	Motor noise pressure level	63 dBa
Motor speed	994 rpm	CE-approval	Yes
Frequency	50 Hz	Condensat drain motor	Yes
Rated voltage	400 V	Ambient temperature	40.0 °C
Rated power P2	75.00 kW	Max. absolute humidity	30 g/m3
		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)	CrNi steel VG434
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
---------------------	---------------

Performance curve

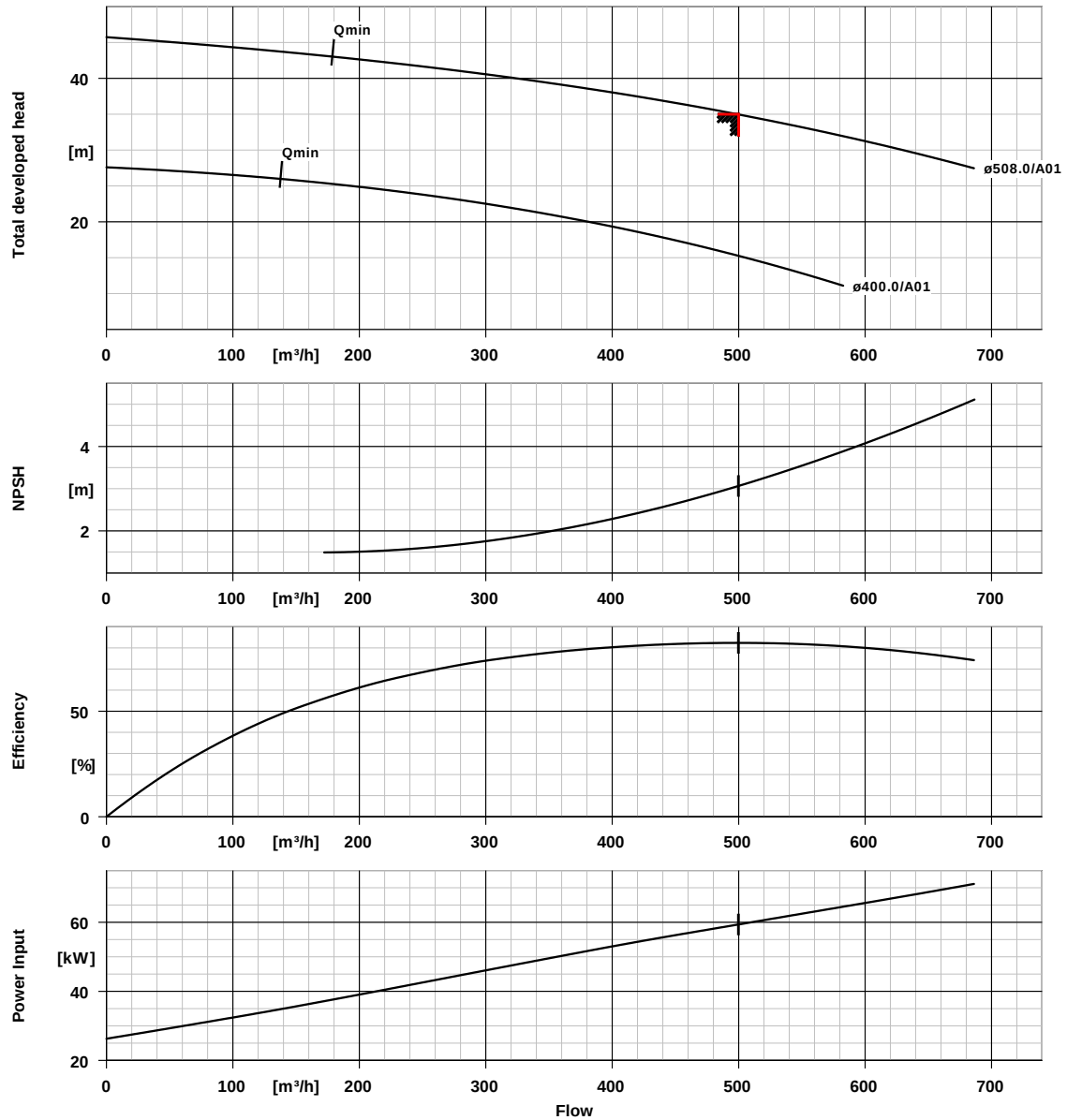


Customer item no.: Lot 6
Communication dated: 22/01/2026
Doc. no.: ACC
Quantity: 1

Number: ES 8004019024
Item no.: 600
Date: 22/01/2026
Page: 28 / 31

Sewatec K 200-504G1 3EN 315S 06

Version no.: 1



Curve data

Speed of rotation 994 rpm
Fluid density 1028 kg/m^3
Viscosity $0.66 \text{ mm}^2/\text{s}$
Flow rate $500.00 \text{ m}^3/\text{h}$
Requested flow rate $500.00 \text{ m}^3/\text{h}$
Total developed head 35.00 m
Requested developed head 35.00 m

Efficiency 82.4 %
Power absorbed 59.39 kW
NPSH 3% 3.06 m
Curve number K44008/0
Effective impeller diameter 508.0 mm
Acceptance standard Tolerances to ISO 9906
Class 3B; below 10 kW
acc. to paragraph 4.4.2

Installation plan

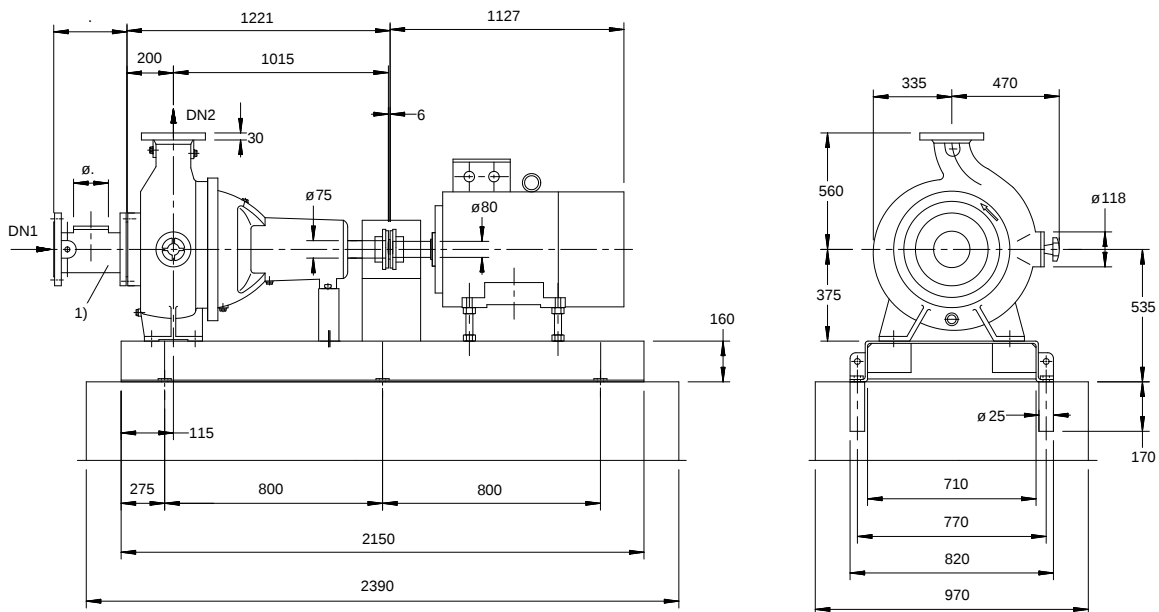


Customer item no.: Lot 6
Communication dated: 22/01/2026
Doc. no.: ACC
Quantity: 1

Number: ES 8004019024
Item no.: 600
Date: 22/01/2026
Page: 29 / 31

Sewatec K 200-504G1 3EN 315S 06

Version no.: 1



1) The inlet flange spacer is available as an accessory

Drawing is not to scale

Dimensions in mm

Installation plan



Customer item no.: Lot 6
Communication dated: 22/01/2026
Doc. no.: ACC
Quantity: 1

Number: ES 8004019024
Item no.: 600
Date: 22/01/2026
Page: 30 / 31

Sewatec K 200-504G1 3EN 315S 06

Version no.: 1

Motor

Motor manufacturer	Innomotics
Motor size	315S
Motor power	75.00 kW
Number of poles	6
Speed of rotation	994 rpm

Baseplate

Design	Welded steel for Sewatec
Size	H27
Material	Steel ST
Leakage drain baseplate (8B)	Rp1, Without
Baseplate drain piping execution	Without
Foundation bolts	M20x250 (required but not scope of supply)

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:
Dimensions without tolerances - gray cast iron parts:

Connections

Suction nominal size DN1	DN 250 / EN 1092-2
Discharge nominal size DN2	DN 200 / EN 1092-2
Nominal pressure suct.	PN 10
Rated pressure disch.	PN 10
Suction nozzle drilled acc. to DIN2501 with tapped blind holes	

Coupling

Coupling manufacturer	Flender
Coupling type	Eupex N
Coupling size	180
Spacer	0.0 mm

Weight net

Pump	895 kg
Baseplate	240 kg
Suction side accessory	
Coupling	14 kg
Coupling guard	7 kg
Motor	830 kg
Total	1986 kg

For auxiliary connections see separate drawing.

DIN 747
ISO 2768-c
EN735
ISO 13920-B
ISO 8062-CT10/11

Connection plan

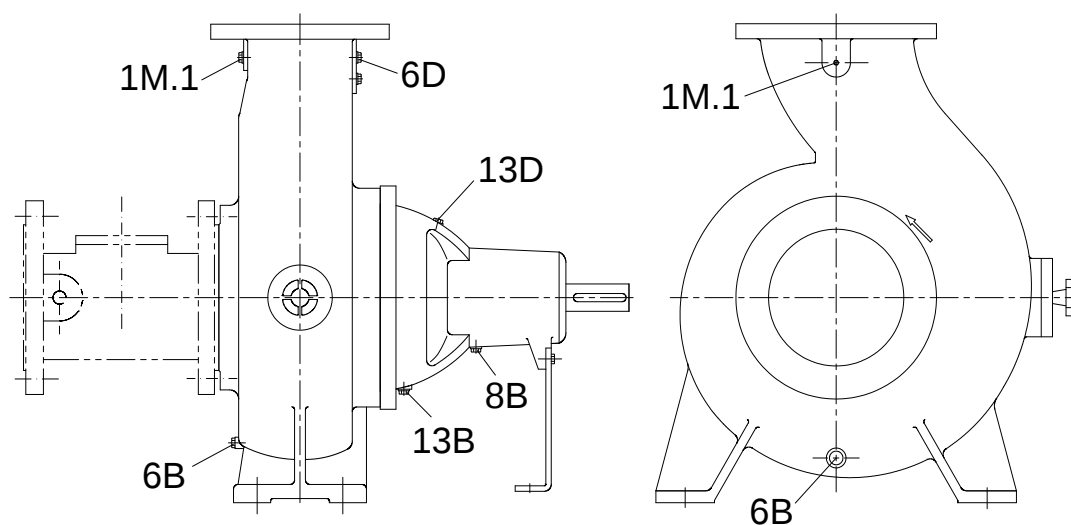


Customer item no.: Lot 6
Communication dated: 22/01/2026
Doc. no.: ACC
Quantity: 1

Number: ES 8004019024
Item no.: 600
Date: 22/01/2026
Page: 31 / 31

Sewatec K 200-504G1 3EN 315S 06

Version no.: 1



Connection schematic also applies to vertical installation.

Connections

1M.1 Pressure gauge connection
6B Pumped liquid drain
6D Pumped medium - filling / venting
8B Leakage drain
13B Oil drain
13D Refill / venting

G 1
G 1

G 1/2
G 3/8
G 1/2

Drilled and plugged.
Drilled and plugged.
Drilled and plugged.
Drilled and plugged.
Drilled and plugged.
Drilled and plugged.