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Technical data

Rexa PRO S03 A-32

With motor

P 13.L-16/EAD1X2-T

Project ID Untitled project 2025-03-17 06:08:24.644

Project name

Installation location

Customer pos. No.

Date 2025-03-17

Pump

Pump type	Rexa PRO S03 A-32
Installation type	Suspension device DN40/2RK
Free passage	12 mm
Nominal speed	2900
Frequency	50 Hz
Impeller type	Dual vane impeller
Impeller construction	Closed

Impeller Ø

designed	203 mm
standard	mm
Max.	203 mm
Min.	160 mm

Discharge port

Pressure rating	PN10
Rated diameter	DN32, DN36, DN40 cutoff
Standard	WILO-D

Suction port

Pressure rating	
Rated diameter	
Standard	-

Weights

Weight	max.	18.3 kg
Weight of motor		44 kg
Weight of unit	max.	62.3 kg

Materials

Pump housing	EN-GJL-250
Impeller	EN-GJL-250
Motor housing	EN-GJL-250

Motor

Motor name	P 13.L-16/EAD1X2-T
Number of poles	2
Rated power	5 kW
Rated speed	2807 1/min
Power input with rated power	6 kW
Rated voltage	400 ~3 V
Current input with rated power	9.8 A
Efficiency with rated power	82.8 %
cos phi with rated power	0.89
cos phi with starting	
Rated frequency	50 Hz
Operation type wet	S1
Operation type dry	S2-15 min, S3-10%
Starting current, direct starting	52 A
Starting current, star-delta	17.3 A
Starting torque	25 Nm
Inertia moment	0.0028 kg m ²
Degree of protection	IP 68
Sel. explosion protection	ATEX
Ex-designation	
Ex-number	
Motor connection cable	7G1,5 H07RN-F
Max. fluid temperature	40 °C
Starts per hour max.	60

Duty point data

Volume flow	
Head	
Shaft power P2	
Hydr. efficiency η hyd.	
Power input P1	
Fluid	Water
Required pump NPSH	
Rotational speed	2,815 1/min
Max. flow	7.2 l/s
Head H(Q max)	34.7 m
Shut off head	59.5 m
Best efficiency point Q (BEP)	6.1 l/s
Best efficiency point H (BEP)	40.6 m

$$\text{Total efficiency} = \frac{P_2 * \text{Hydr. efficiency } \eta_{\text{hyd.}}}{P}$$

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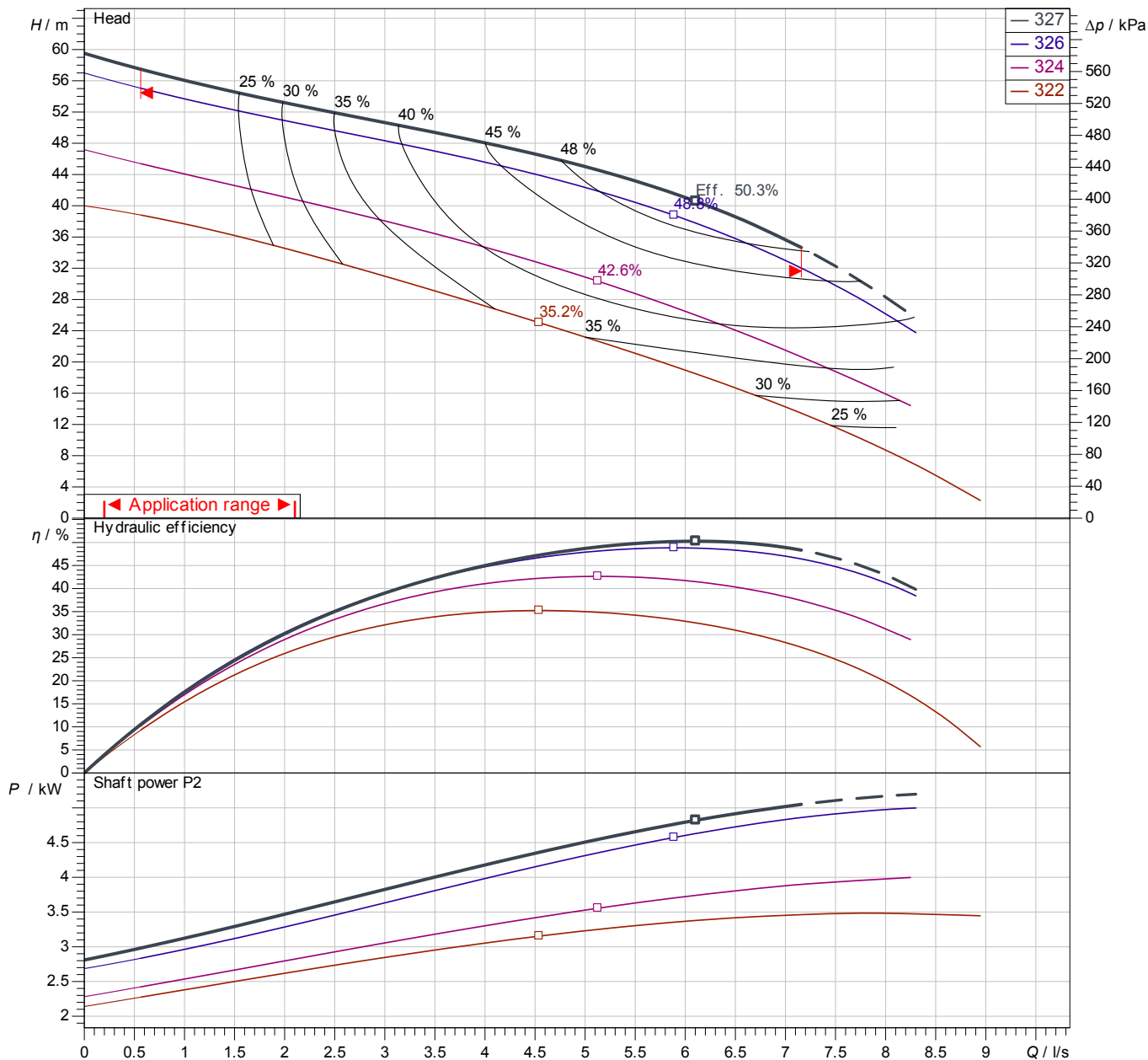
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Tender text

Submersible Sewage Pump as submersible, single-stage block unit in stationary, vertical installation to pump untreated sewage which doesn't attack the pump neither chemically nor mechanically. Pump with radially arranged discharge piece and axial pump intake. Service-friendly design by separated motor and pump casing. Pumping values to be guaranteed as per ISO 9906 Annex A



Power data referred to: Water; 20°C; 998.3kg/m³; 1.005mm²/s
Tolerance as per ISO 9906 / Annex A.2

Pump

Impeller Ø	designed	203 mm
Nominal speed		2,807 1/min
Frequency		50 Hz
Impeller type		Dual vane impeller

Motor

Rated power	5 kW
Sel. explosion protection	ATEX

Duty point data

Volume flow	
Head	
Shaft power P2	
Hydr. efficiency η hyd.	
Power input P1	
Required pump NPSH	
Rotational speed	2815 1/min

Dimensions

Rexa PRO S03 A-32

With motor

P 13.L-16/EAD1X2-T

Project ID

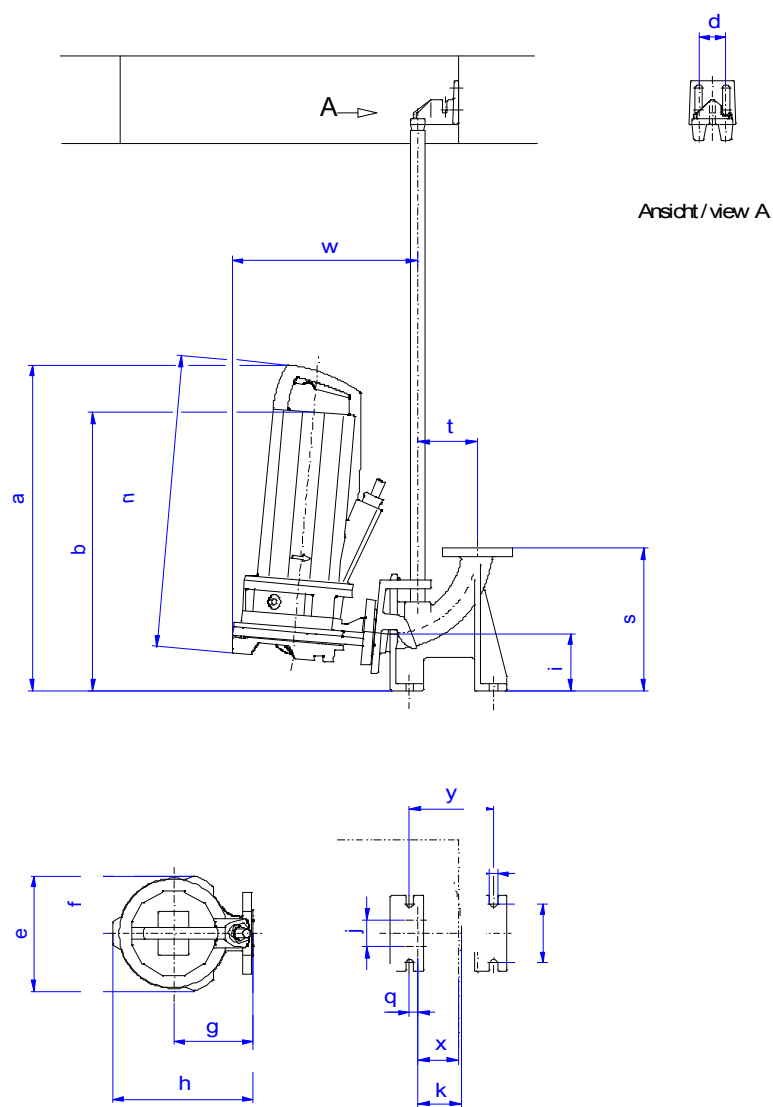
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Dimensions

Name	Value	Name	Value
a	634 mm	q	15 mm
b = min. water level	547 mm	s	265 mm
d	50 mm	t	110 mm
e	276 mm	u	560 mm
f	138 mm	v	14 mm
g	230 mm	w	531 mm
h	377 mm	x	75 mm
i	105 mm	y	155 mm
j	50 mm	z	110 mm
k	78 mm		

Connections

Suction port	
Discharge port	DN32, DN36, DN40 cutoff PN10
Suspension device	DN40/2RK