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Technical data

Rexa PRO V10 DA-42

With motor

P 17.1-16/EAD0X4-T

Project ID Untitled project 2025-03-05 10:17:21.271

Project name

Installation location

Customer pos. No.

Date 2025-03-05

Pump

Pump type	Rexa PRO V10 DA-42
Installation type	Einhängevorrichtung DN100S/2RK
Free passage	100 mm
Nominal speed	1740
Frequency	60 Hz
Impeller type	Vortex impeller
Impeller construction	Open

Impeller Ø

designed	203 mm
standard	203 mm
Max.	203 mm
Min.	150 mm

Discharge port

Pressure rating	PN10
Rated diameter	DN100, Size 4
Standard	WILO-D

Suction port

Pressure rating	PN10
Rated diameter	DN100
Standard	WILO-S

Weights

Weight	max.	35 kg
Weight of motor		62 kg
Weight of unit	max.	97 kg

Materials

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

Motor

Motor name	P 17.1-16/EAD0X4-T
Number of poles	4
Rated power	7.5 kW
Rated speed	1680 1/min
Power input with rated power	9.4 kW
Rated voltage	220 ~3 Y/D V
Current input with rated power	28.3 A
Efficiency with rated power	80 %
cos phi with rated power	0.87
cos phi with starting	0
Rated frequency	60 Hz
Operation type wet	S1
Operation type dry	-
Starting current, direct starting	161 A
Starting current, star-delta	53.7 A
Starting torque	
Inertia moment	0.0134 kg m ²
Degree of protection	IP 68
Sel. explosion protection	ATEX
Ex-designation	II 2G Ex d IIB T4/T3 Gb
Ex-number	BVS 16 ATEX E 101 X
Motor connection cable	7x2,5 + 4x1,5 NSSHÖU
Max. fluid temperature	40 °C
Starts per hour max.	15

Duty point data

Volume flow	
Head	
Shaft power P ₂	
Hydr. efficiency η _{hyd.}	
Power input P ₁	
Fluid	Water
Required pump NPSH	
Rotational speed	1,706 1/min
Max. flow	47.8 l/s
Head H(Q _{max})	7.1 m
Shut off head	19.4 m
Best efficiency point Q (BEP)	25.4 l/s
Best efficiency point H (BEP)	13.3 m

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

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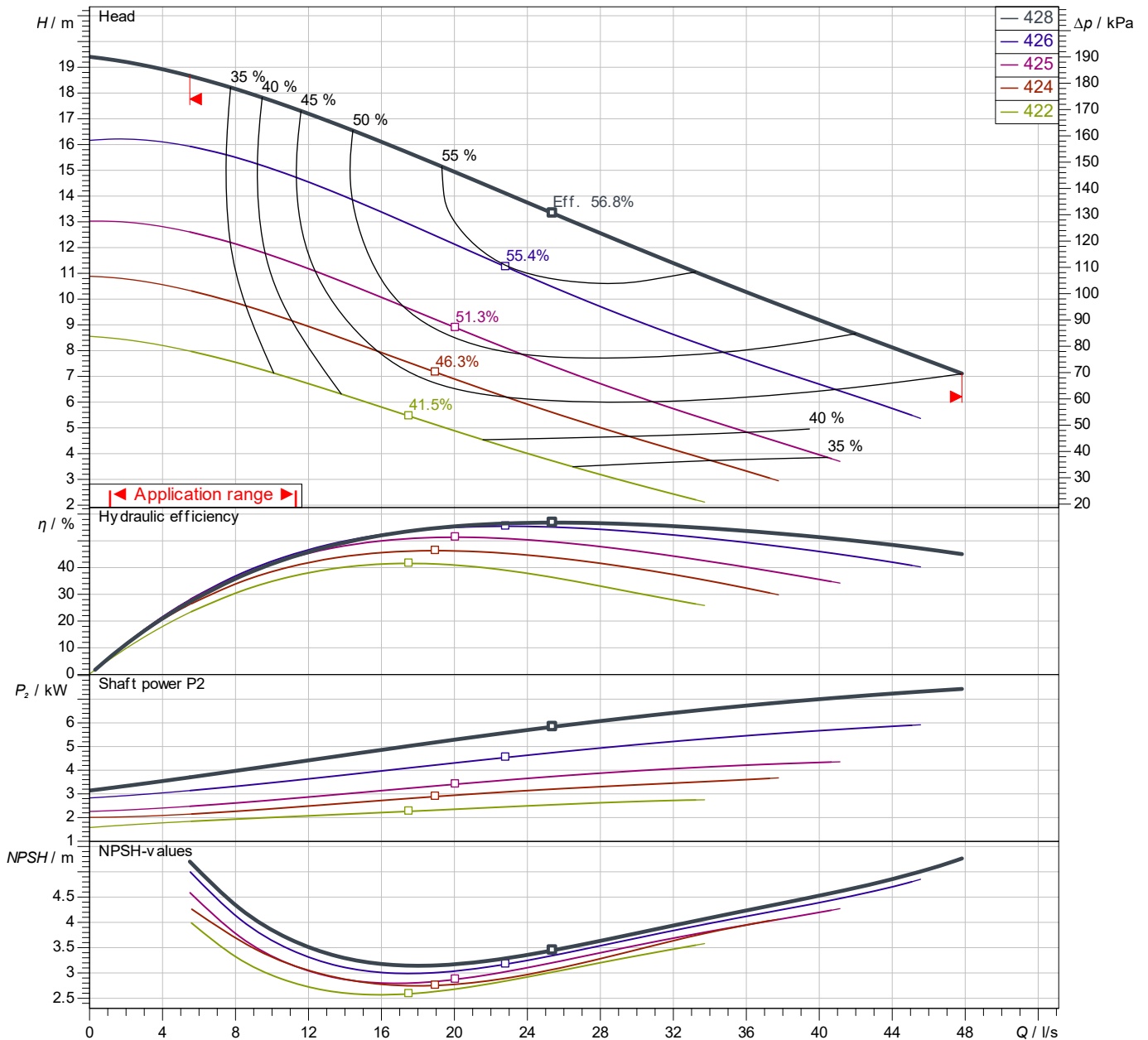
Installation location

Date 2025-03-05

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

MT-073



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		1,680 1/min
Frequency		60 Hz
Impeller type		Vortex impeller

Motor

Rated power	7.5 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	1706 1/min

Dimensions

Rexa PRO V10 DA-42

With motor

P 17.1-16/EAD0X4-T

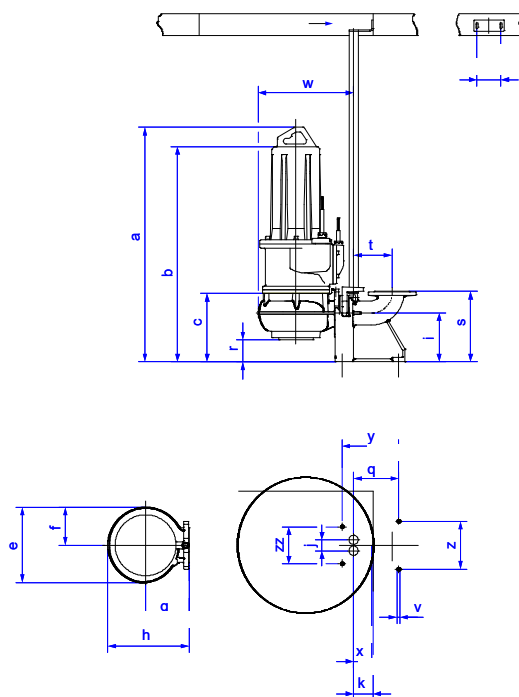
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Dimensions

Name	Value	Name	Value
a	766 mm	k	98 mm
b	309 mm	q	206 mm
c	309 mm	r	108 mm
d	110 mm	s	325 mm
e	313 mm	t	176 mm
f	165 mm	v	13.5 mm
g	200 mm	w	426 mm
h	361 mm	x	90 mm
i	225 mm	y	260 mm
j	50 mm	z	220 mm

Connections

Suction port	DN100 PN10
Discharge port	DN100, Size 4 PN10
Einhängevorrichtung	DN100S/2RK