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Technical data

Rexa PRO C10 DA-51

With motor

P 17.1-24/EAD3X4-T

Project ID Untitled project 2025-03-30 20:51:59.472

Project name

Installation location

Customer pos. No.

Date 2025-03-30

Pump

Pump type	Rexa PRO C10 DA-51
Installation type	Suspension device DN100S/2RK
Free passage	100 mm
Nominal speed	1450
Frequency	50 Hz
Impeller type	Single-channel
Impeller construction	Closed

Impeller Ø

designed	195 mm
standard	195 mm
Max.	195 mm
Min.	147 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.	41 kg
Weight of motor		85 kg
Weight of unit	max.	126 kg

Materials

Pump housing	EN-GJL-250
Stationary wear ring	1.4308
Impeller	EN-GJL-250
Mobile wear ring	1.4462/1.4470

Motor

Motor name	P 17.1-24/EAD3X4-T
Number of poles	4
Rated power	5 kW
Rated speed	1445 1/min
Power input with rated power	5.8 kW
Rated voltage	400 ~3 V
Current input with rated power	10.3 A
Efficiency with rated power	85.8 %
cos phi with rated power	0.82
cos phi with starting	
Rated frequency	50 Hz
Operation type wet	S1
Operation type dry	
Starting current, direct starting	123 A
Starting current, star-delta	41 A
Starting torque	150 Nm
Inertia moment	0.0198 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.	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	1,458 1/min
Max. flow	52.8 l/s
Head H(Q _{max})	6.2 m
Shut off head	13.7 m
Best efficiency point Q(BEP)	32.7 l/s
Best efficiency point H(BEP)	8.7 m

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

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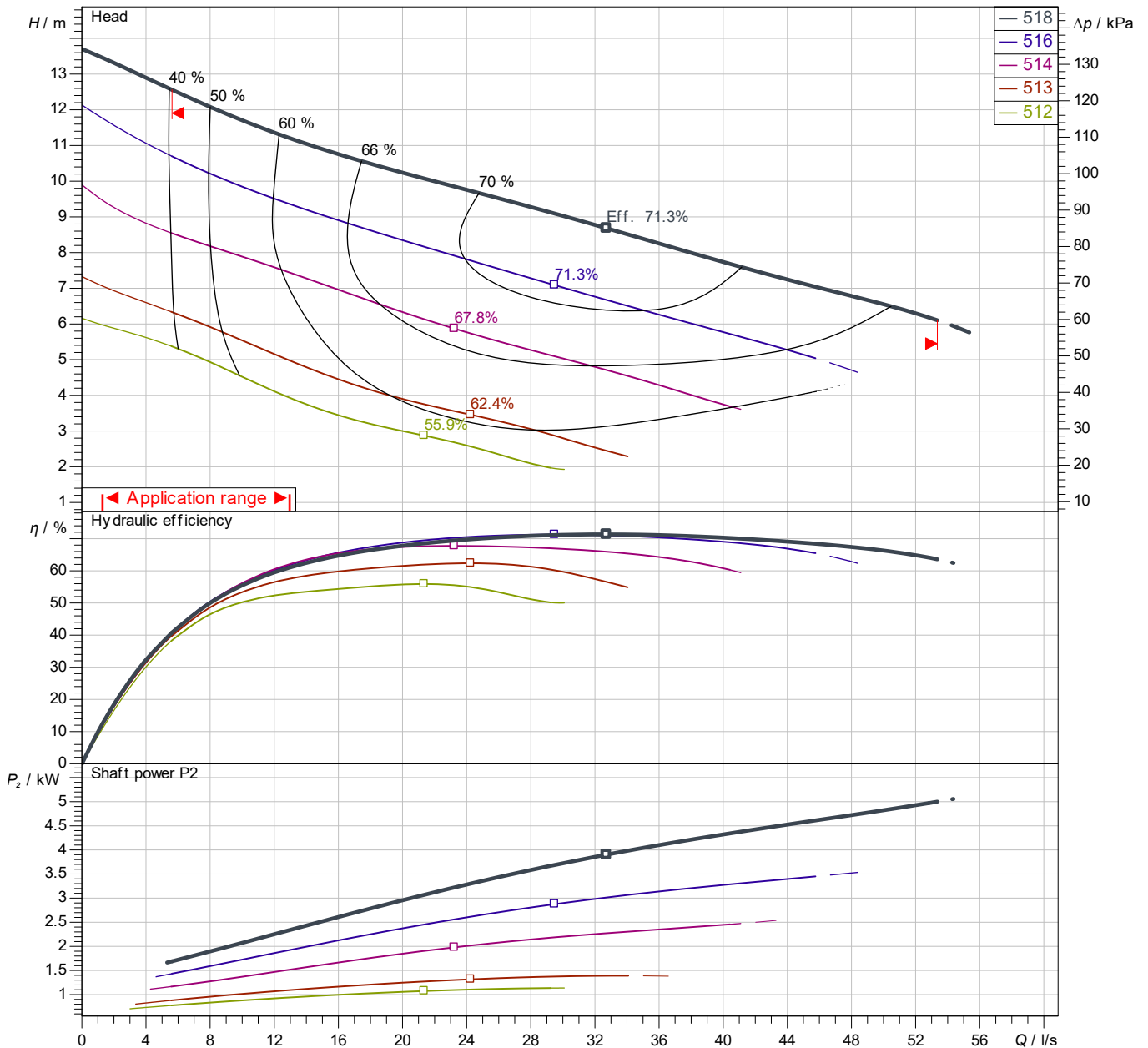
Installation location

Date 2025-03-30

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-074



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	195 mm
Nominal speed		1,445 1/min
Frequency		50 Hz
Impeller type		Single-channel

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	1458 1/min

Dimensions

Rexa PRO C10 DA-51

With motor

P 17.1-24/EAD3X4-T

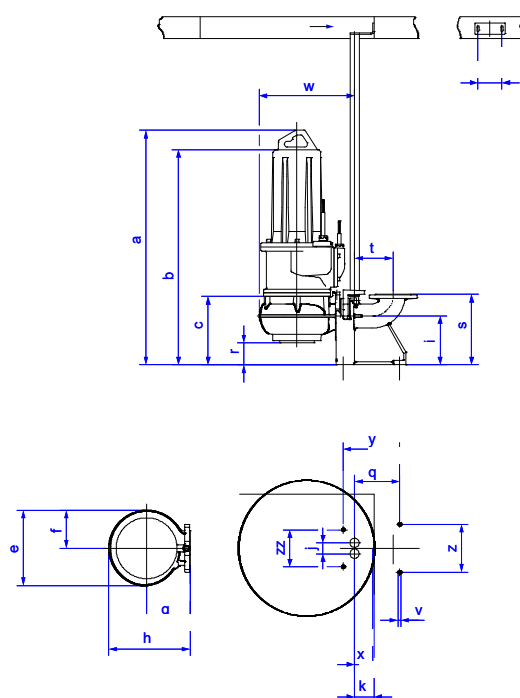
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Dimensions

Name	Value	Name	Value
a	864 mm	k	98 mm
b = min. water level	326 mm	q	206 mm
c	326 mm	r	110 mm
d	110 mm	s	325 mm
e	333 mm	v	13.5 mm
f	166 mm	w	433 mm
g	200 mm	x	90 mm
h	368 mm	y	260 mm
i	225 mm	z	220 mm
j	50 mm	zz	170 mm

Connections

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