



Contact  
E-mail  
Phone

Customer

Contact  
E-mail  
Phone

## Technical data

### Rexa PRO V05 DA-32

With motor

### P 17.1-22/EAD0X2-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 V05 DA-32
Installation type	Suspension device DN50 DN50/2RK
Free passage	50 mm
Nominal speed	3480
Frequency	60 Hz
Impeller type	Vortex impeller
Impeller construction	Open

#### Impeller Ø

designed	196 mm
standard	196 mm
Max.	196 mm
Min.	153 mm

#### Discharge port

Pressure rating	PN10
Rated diameter	DN50, Size 2, Rp2, cutoff
Standard	WILO-D

#### Suction port

Pressure rating	PN10
Rated diameter	DN50
Standard	WILO-S

#### Weights

Weight	max.	13.8 kg
Weight of motor		91 kg
Weight of unit	max.	104.8 kg

#### Materials

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

#### Motor

Motor name	P 17.1-22/EAD0X2-T
Number of poles	2
Rated power	10.5 kW
Rated speed	3494 1/min
Power input with rated power	12.1 kW
Rated voltage	208 ~3 V
Current input with rated power	39.6 A
Efficiency with rated power	86.6 %
cos phi with rated power	0.85
cos phi with starting	0
Rated frequency	60 Hz
Operation type wet	S1
Operation type dry	-
Starting current, direct starting	235 A
Starting current, star-delta	78.3 A
Starting torque	76 Nm
Inertia moment	0.0116 kg m <sup>2</sup>
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	4x6 + 2x1,5 NSSHÖU
Max. fluid temperature	40 °C
Starts per hour max.	15

#### Duty point data

Volume flow	
Head	
Shaft power P2	
Hydr. efficiency η hyd.	
Power input P1	
Fluid	Water
Required pump NPSH	
Rotational speed	3,470 1/min
Max. flow	7.5 l/s
Head H(Q max)	54.1 m
Shut off head	68.4 m
Best efficiency point Q (BEP)	13.9 l/s
Best efficiency point H (BEP)	44.5 m

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

ArtNr



Contact  
E-mail  
Phone

Customer

Contact  
E-mail  
Phone

## Technical data

**Rexa PRO V05 DA-32**

With motor

**P 17.1-22/EAD0X2-T**

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

Project name

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



Contact  
E-mail  
Phone

Customer

Contact  
E-mail  
Phone

## Performance curves

### Rexa PRO V05 DA-32

With motor

### P 17.1-22/EAD0X2-T

Project ID

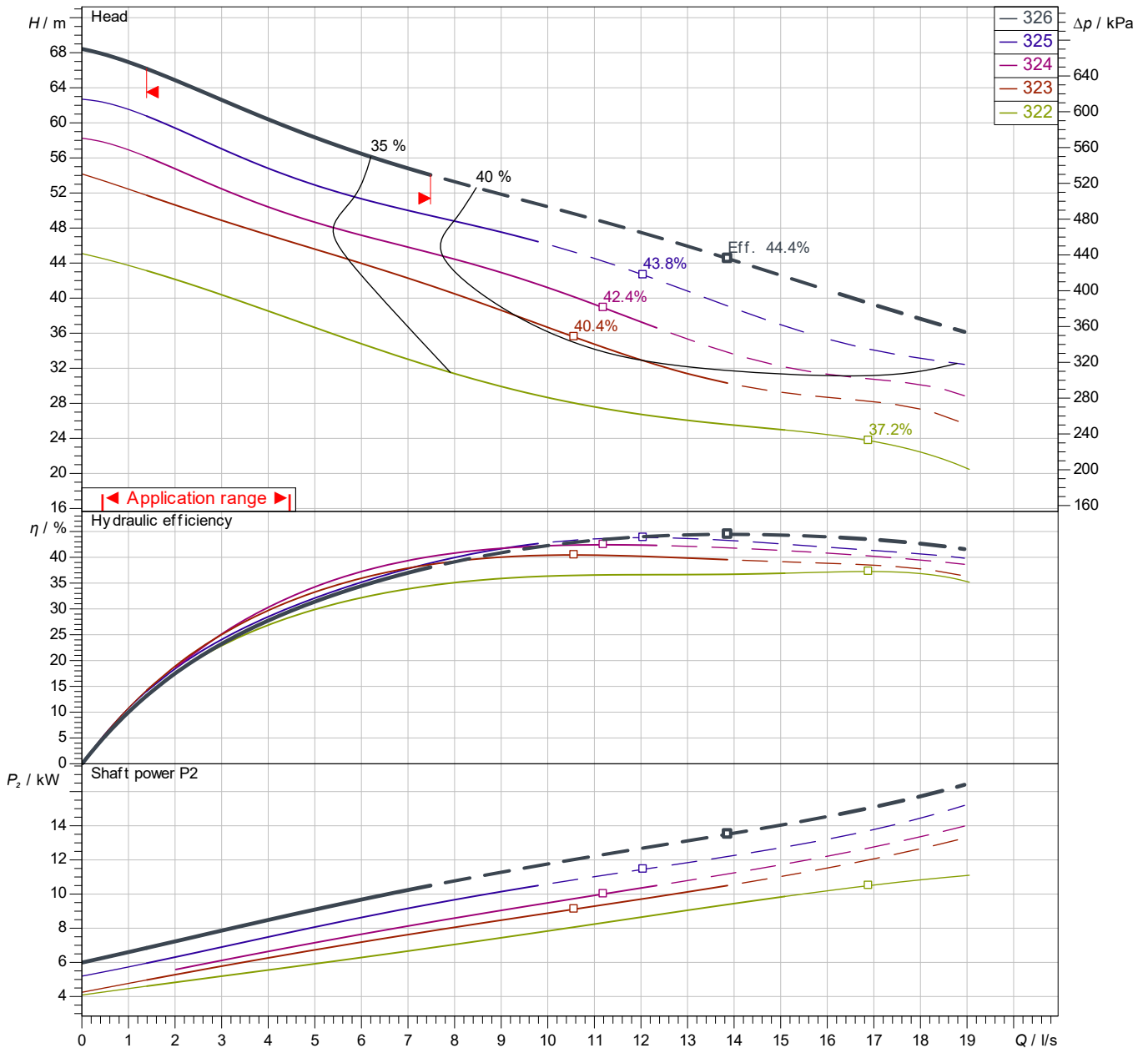
Untitled project 2025-03-05 10:17:21.271

Project name

Installation location

Customer pos. No.

Date 2025-03-05



Power data referred to: Water; 20°C; 998.3kg/m<sup>3</sup>; 1.005mm<sup>2</sup>/s  
Tolerance as per ISO 9906 / Annex A.2

#### Pump

Impeller Ø	designed	196 mm
Nominal speed		3,494 1/min
Frequency		60 Hz
Impeller type		Vortex impeller

#### Motor

Rated power	10.5 kW
Sel. explosion protection	ATEX

#### Duty point data

Volume flow	
Head	
Shaft power P <sub>2</sub>	
Hydr. efficiency η <sub>hyd</sub>	
Power input P <sub>1</sub>	
Required pump NPSH	
Rotational speed	3470 1/min

## Dimensions

### Rexa PRO V05 DA-32

With motor

### P 17.1-22/EAD0X2-T

Project ID

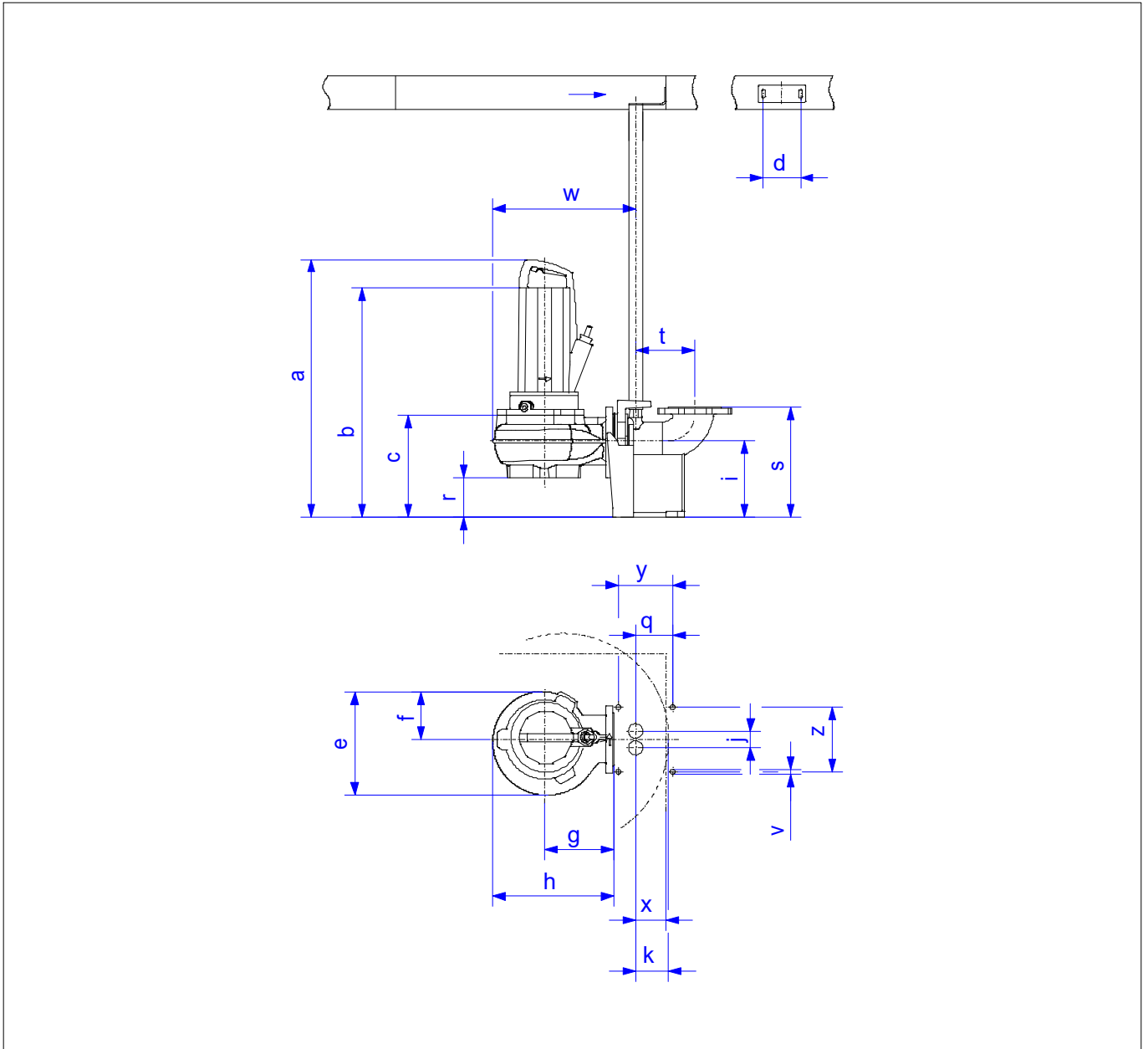
Untitled project 2025-03-05 10:17:21.271

Project name

Installation location

Customer pos. No.

Date 2025-03-05



#### Dimensions

Name	Value	Name	Value
a	764 mm	k	78 mm
b = min. water level	226 mm	q	205 mm
c	226 mm	r	95 mm
d	50 mm	s	300 mm
e	202 mm	t	148 mm
f	101 mm	v	15 mm
g	150 mm	w	379 mm
h	252 mm	x	75 mm
i	160 mm	y	172.5 mm
j	50 mm	z	150 mm

#### Connections

Suction port	DN50 PN10
Discharge port	DN50, Size 2, Rp2, cutoff PN10
Suspension device	DN50 DN50/2RK