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Technical data

Rexa V05 A-12

With motor

P 13.M-10/EAD1F2-T

Project ID Untitled project 2025-03-17 14:03:13.832

Project name

Installation location

Customer pos. No.

Date 2025-03-17

Pump

Pump type	Rexa V05 A-12
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	108 mm
standard	108 mm
Max.	108 mm
Min.	80 mm

Discharge port

Pressure rating
Rated diameter
Standard

Suction port

Pressure rating
Rated diameter
Standard

Weights

Weight	max.	12.3 kg
Weight of motor		35 kg
Weight of unit	max.	47.3 kg

Materials

Motor

Motor name	P 13.M-10/EAD1F2-T
Number of poles	2
Rated power	2.5 kW
Rated speed	3469 1/min
Power input with rated power	3.1 kW
Rated voltage	380 ~3 V
Current input with rated power	5.9 A
Efficiency with rated power	79.7 %
cos phi with rated power	0.82
cos phi with starting	
Rated frequency	60 Hz
Operation type wet	S1
Operation type dry	S2-30 min, S3-25%
Starting current, direct starting	38 A
Starting current, star-delta	12.7 A
Starting torque	13 Nm
Inertia moment	0.0017 kg m ²
Degree of protection	IP 68
Sel. explosion protection	FM
Ex-designation	
Ex-number	
Motor connection cable	7x1,5 NSSHÖU
Max. fluid temperature	40 °C
Starts per hour max.	60

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	3,518 1/min
Max. flow	13.9 l/s
Head H(Q max)	3 m
Shut off head	18.2 m
Best efficiency point Q (BEP)	6.2 l/s
Best efficiency point H (BEP)	11.4 m

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

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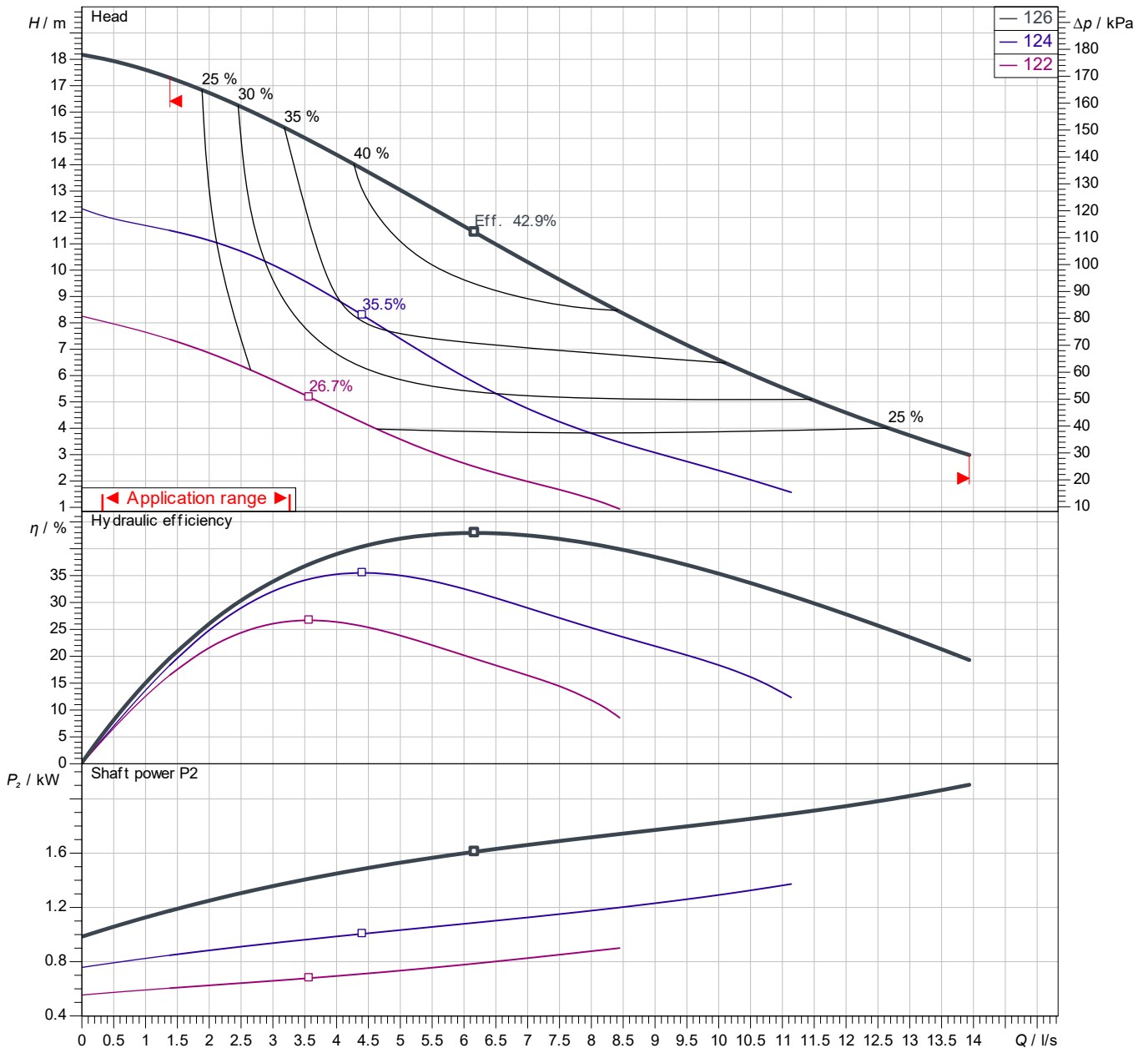
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Tender text

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	108 mm
Nominal speed		3,469 1/min
Frequency		60 Hz
Impeller type		Vortex impeller

Motor

Rated power	2.5 kW
Sel. explosion protection	FM

Duty point data

Volume flow	
Head	
Shaft power P2	
Hydr. efficiency η hyd.	
Power input P1	
Required pump NPSH	
Rotational speed	3518 1/min

Dimensions

Rexa V05 A-12

With motor

P 13.M-10/EAD1F2-T

Project ID

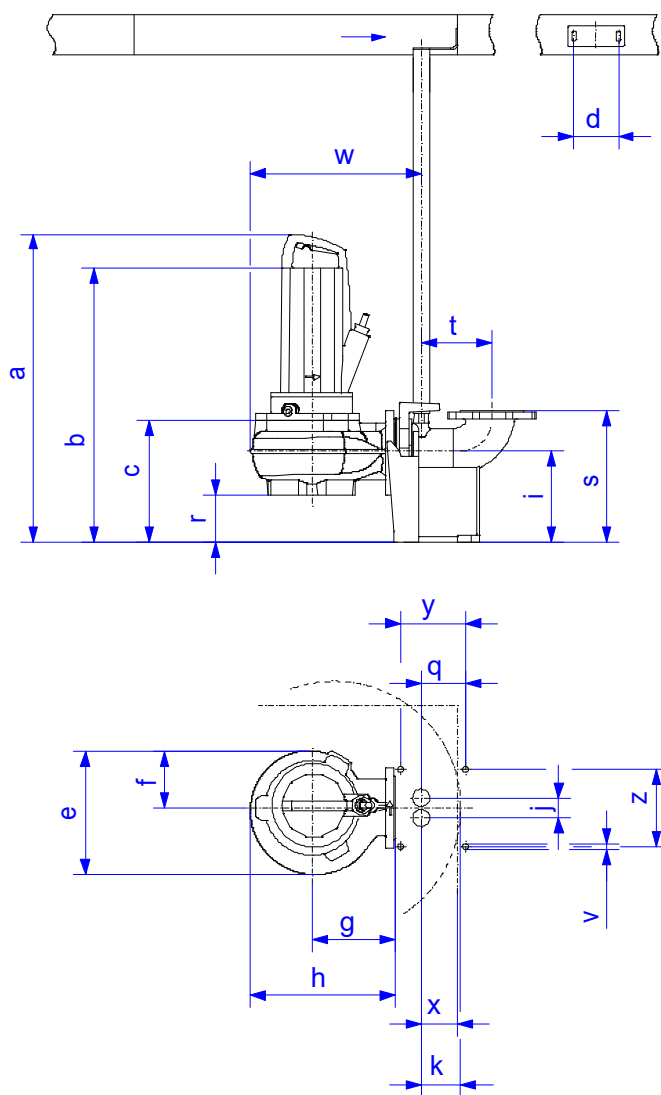
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Dimensions

Name	Value	Name	Value
a	686 mm	k	78 mm
b = min. water level	208 mm	q	205 mm
c	208 mm	r	82 mm
d	50 mm	s	300 mm
e	200 mm	t	148 mm
f	100 mm	v	15 mm
g	150 mm	w	304 mm
h	250 mm	x	75 mm
i	160 mm	y	172.5 mm
j	50 mm	z	150 mm

Connections

Suction port

Discharge port

Suspension device DN50 DN50/2RK