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Technical data

Rexa PRO C06 DA-34
With motor
P 13.2-16/EAD1X2-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 C06 DA-34
Installation type	Einhängevorrichtung 1 DN65/2RK
Free passage	45 mm
Nominal speed	3480
Frequency	60 Hz
Impeller type	Single-channel
Impeller construction	Closed

Impeller Ø

designed	125 mm
standard	125 mm
Max.	125 mm
Min.	105 mm

Discharge port

Pressure rating	PN10
Rated diameter	DN65, DN80, Size 2.5, Size 3, cut-off
Standard	WILO-D

Suction port

Pressure rating	PN10
Rated diameter	DN80
Standard	WILO-S

Weights

Weight	max.	13.1 kg
Weight of motor		43 kg
Weight of unit	max.	56.1 kg

Materials

Pump housing	EN-GJL-250
Impeller	EN-GJL 250
Stationary wear ring	1.4308

Motor

Motor name	P 13.2-16/EAD1X2-T
Number of poles	2
Rated power	5 kW
Rated speed	3429 1/min
Power input with rated power	5.9 kW
Rated voltage	208 ~3 V
Current input with rated power	18.4 A
Efficiency with rated power	85.1 %
cos phi with rated power	0.89
cos phi with starting	0
Rated frequency	60 Hz
Operation type wet	S1
Operation type dry	S2 15, S3 10%
Starting current, direct starting	120 A
Starting current, star-delta	40 A
Starting torque	15 Nm
Inertia moment	0.0028 kg m²
Degree of protection	IP 68
Sel. explosion protection	ATEX
Ex-designation	II 2G Ex db IIB T4/T3 Gb
Ex-number	BVS 11 ATEX E 119 X
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	3,474 1/min
Max. flow	21.9 l/s
Head H(Q max)	9 m
Shut off head	30.1 m
Best efficiency point Q (BEP)	12.9 l/s
Best efficiency point H (BEP)	15.7 m

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

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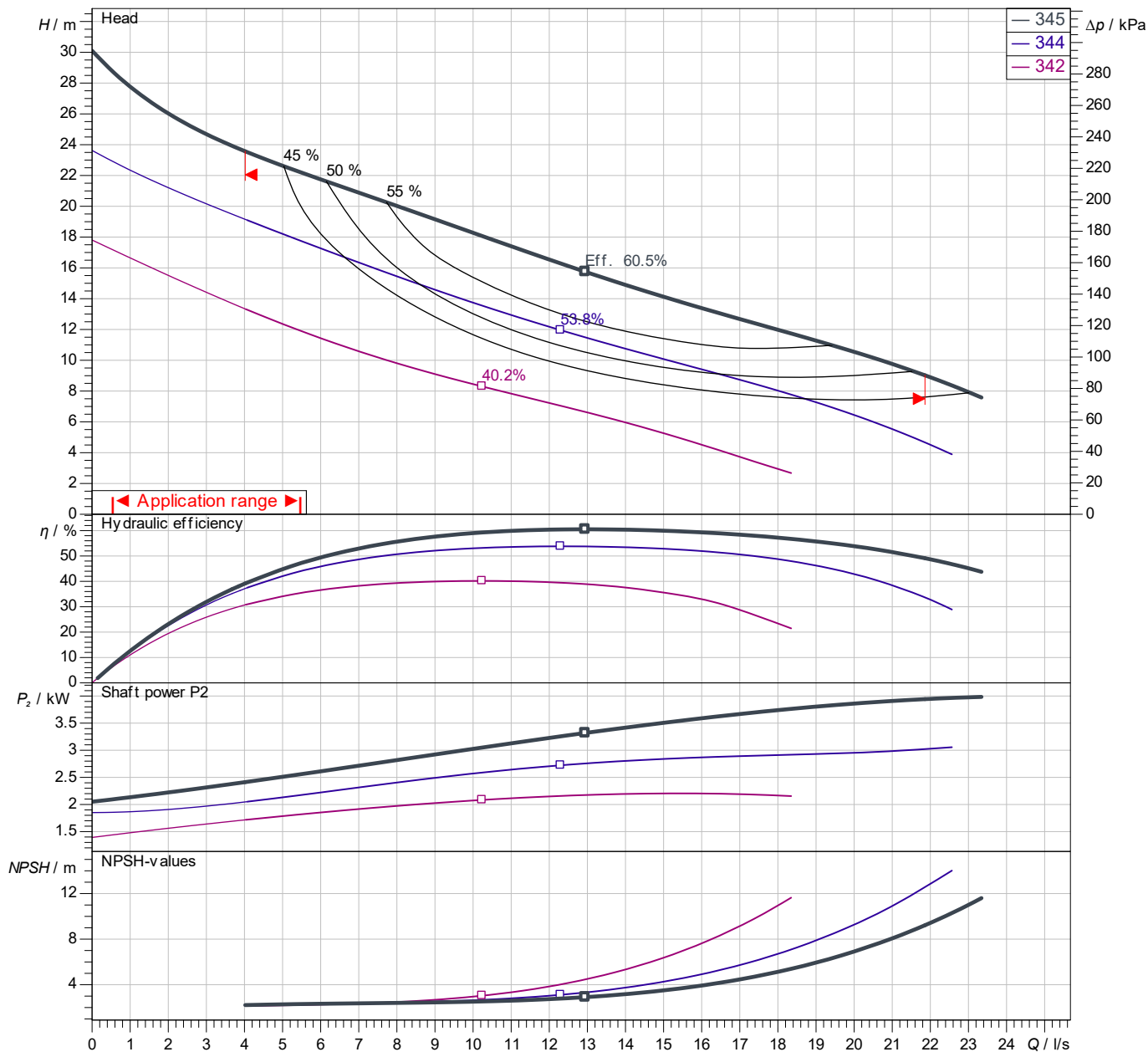
Installation location

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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

MT-071



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	125 mm
Nominal speed		3,429 1/min
Frequency		60 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	3474 1/min

Dimensions

Rexa PRO C06 DA-34

With motor

P 13.2-16/EAD1X2-T

Project ID

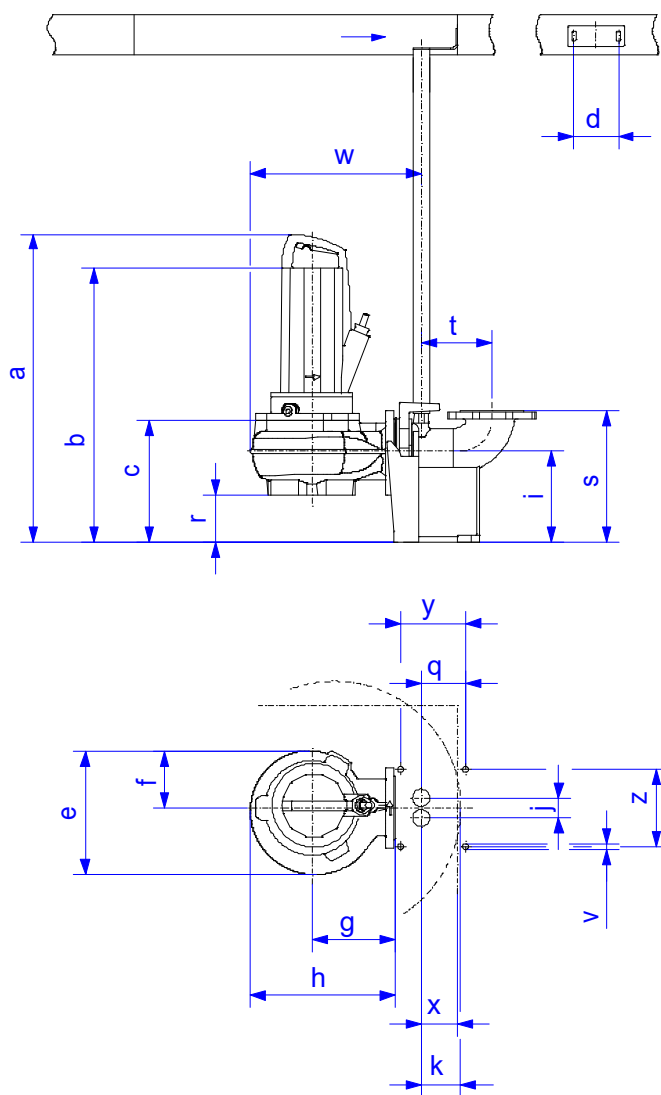
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Dimensions

Name	Value	Name	Value
a	691 mm	k	78 mm
b = min. water level	205 mm	q	205 mm
c	205 mm	r	84 mm
d	50 mm	s	300 mm
e	230 mm	t	148 mm
f	128 mm	v	15 mm
g	150 mm	w	321 mm
h	267 mm	x	75 mm
i	160 mm	y	172.5 mm
j	50 mm	z	150 mm

Connections

Suction port	DN80 PN10
Discharge port	DN65, DN80, Size 2.5, Size 3, PN10
Einhängevorrichtung 1	DN65/2RK