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Technical data

RexaNorm V10.76-363DAH4

With motor
WEG 225S/M-4/37-E3

Project ID Untitled project 2025-03-17 06:38:35.502
Project name
Installation location
Customer pos. No.

Date 2025-03-17

Pump

Pump type RexaNorm V10.76-363DAH4
Installation type Dry-well installation horizontal

Free passage 100 mm
Nominal speed 1450
Frequency 50 Hz
Impeller type Vortex impeller
Impeller construction Open

Impeller Ø

Max. 363 mm
Min. 303 mm
designed 363 mm
min. possible 303

Discharge port

Pressure rating PN10
Rated diameter DN100
Standard EN1092-2-D

Suction port

Pressure rating PN10
Rated diameter DN100
Standard EN1092-2-S

Weights

Weight max. 143.1 kg
Weight of motor 365 kg
Weight of unit max. 900.1 kg

Suction port

Pump housing EN-GJL-250
Impeller EN-GJL-250
Shaft 1.4021
Lagerträger EN - GJL 250

Item no.

Motor

Motor name WEG 225S/M-4/37-E3
Number of poles 4
Rated power 37 kW
Rated speed 1480 1/min
Power input with rated power 39.3 kW
Rated voltage 400 ~3 Y/D V
Current input with rated power 69.4 A
Efficiency with rated power 94.1 %
cos phi with rated power 0.82
cos phi with starting
Rated frequency 50 Hz
Operation type wet
Operation type dry S1
Starting current, direct starting 533 A
Starting current, star-delta 177.7 A
Starting torque 223 Nm
Inertia moment 0.5177 kg m²
Degree of protection IP 55
Sel. explosion protection
Ex-designation
Ex-number
Motor connection cable
Max. fluid temperature 40 °C
Starts per hour max. 10

Duty point data

Volume flow
Head
Shaft power P2
Hydr. efficiency η hyd.
Power input P1
Fluid Water
Required pump NPSH
Rotational speed 1,483 1/min
Total efficiency = $\frac{P_2 * \text{Hydr. efficiency } \eta \text{ hyd.}}{P_1}$

Coupling

Make Wilo
Specific design ARPEX ARS-6
Frame size 175-6
Rated torque 2,000 Nm



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Tender text

Single-stage centrifugal sewage pump as baseplate pump with axial suction port and radial pressure port for horizontal dry well installation on a base. Suitable for pumping wastewater and untreated sewage containing faeces that does not attack the pumps either chemically or mechanically. Pump housing, single-channel impeller and bearing bracket made of grey cast iron, installed on welded base frame. Bearing bracket design with self-contained sealing chamber filled with medicinal white oil as a self-contained unit. Sealing chamber monitoring using pencil electrode optionally available.
Additional leakage chamber on the coupling side with separate drainage screw. Sealing on the fluid side via a bidirectional mechanical seal, sealing on the coupling side via rotary shaft seal. Hydraulics rigidly mounted as standard on IEC standard motor in version B3 via spacer coupling with coupling guard.

PUMP PART DATA

Type of impeller: Vortex impeller
Impeller diameter: 363 mm
Free ball passage: 100 mm
Pressure port: DN100,PN10
Suction port: DN100, PN10

MATERIALS

Pump housing: EN-GJL-250
Impeller: EN-GJL-250
Bearing bracket EN-GJL-250
Pump shaft: 1.4021
Neck ring: 1.4308
Impeller wear ring: 1.4462/1.4470

OPERATING DATA



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Performance curves

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WEG 225S/M-4/37-E3

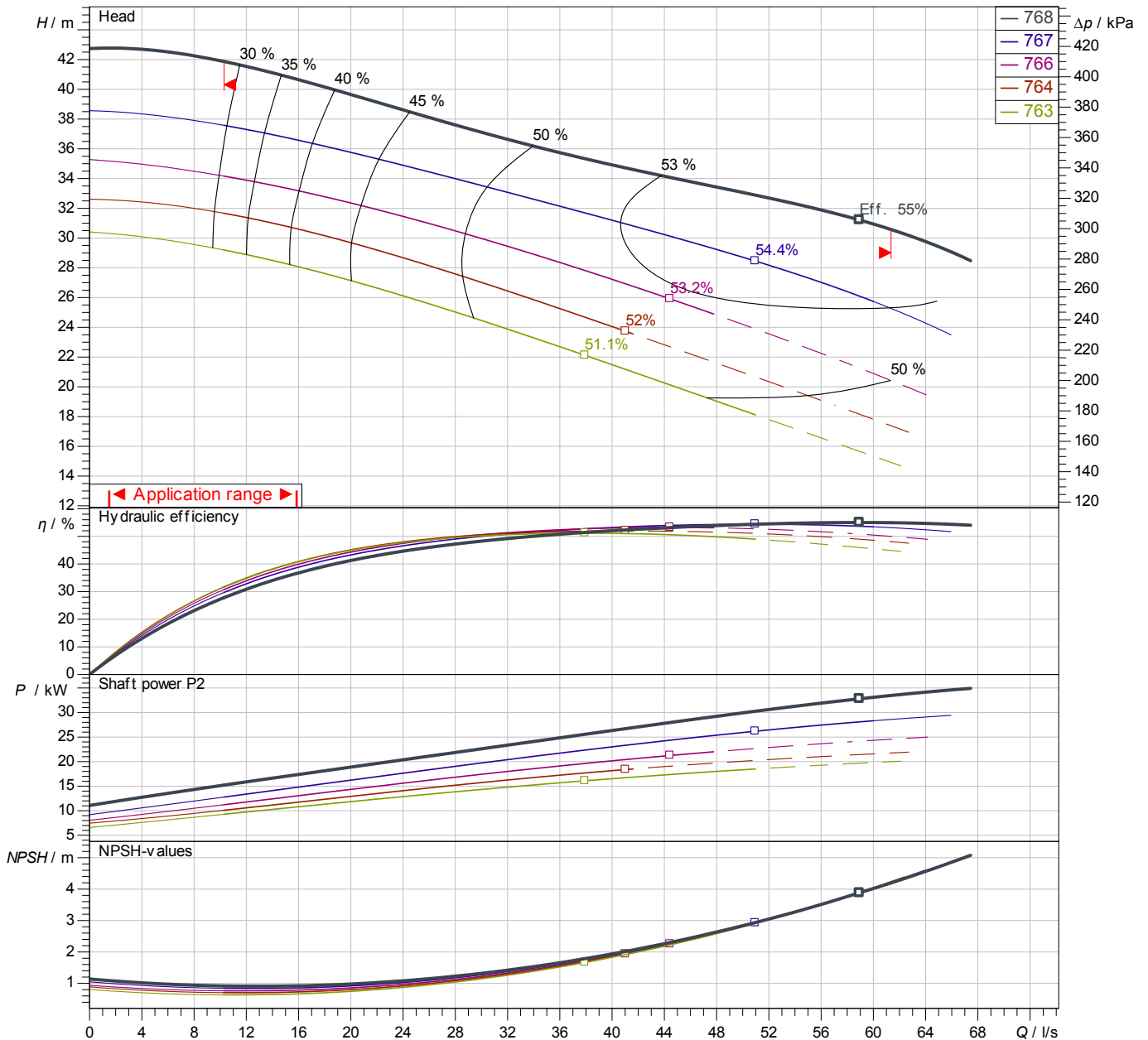
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Power data referred to: Water; 20°C; 998.3kg/m³; 1.005mm²/s
Tolerance as per ISO 9906 / Annex A.2

Pump

Impeller Ø	designed	363 mm
Nominal speed		1,480.3 1/min
Frequency		50 Hz
Impeller type		Vortex impeller

Motor

Rated power	37 kW
Sel. explosion protection	

Duty point data

Volume flow	
Head	
Shaft power P2	
Hydr. efficiency η hyd.	
Power input P1	
Required pump NPSH	
Rotational speed	1483 1/min



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Dimensions

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Dimensions

Name	Value	Name	Value
a	156 mm	j	123 mm
b	519 mm	k	600 mm
c	309 mm	L1	1,600 mm
e	1,060 mm	L2	885 mm
f	400 mm	L3	675 mm
g	660 mm	m	1,640 mm
H1	683 mm	n	660 mm
H2	403 mm	ød	29 mm
H3	280 mm	øDD	100 mm
H4	280 mm	øDS	100 mm

Connections

Suction port	DN100 PN10
Discharge port	DN100 PN10
Dry-well installation	horizontal