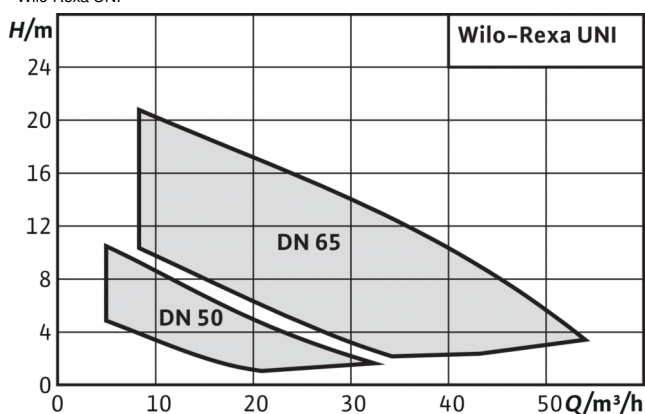


Series description: Wilo-Rexa UNI

Wilo-Rexa UNI



Wilo-Rexa UNI



Design type

Submersible sewage pump for intermittent operation for stationary and portable wet well installation

Application

Pumping of

- Sewage containing faeces in accordance with EN 12050-1
- Wastewater

Equipment/function

- Winding temperature monitoring with bimetallic strip

Scope of delivery

- Submersible sewage pump with 10 m cable
- Operating and maintenance manual

Type key

<p>Example: Rexa</p> <p>UNI</p> <p>V</p> <p>05</p> <p>T</p> <p>05</p> <p>5</p> <p>40</p> <p>P</p>	<p>Wilo-Rexa UNI V05/M05-540/P Submersible sewage pump with centrifugal hydraulics Series with copolymer hydraulics Vortex impeller Nominal diameter of the pressure connection:</p> <p>05 = DN 50</p> <p>06 = DN 50/65 Mains connection version:</p> <p>M = 1~</p> <p>T = 3~ Value/10 = motor power P2 in kW Frequency (5 = 50 Hz, 6 = 60 Hz) Code for rated voltage Additional electrical equipment:</p> <p>No supplement = With bare cable end</p> <p>P = with plug</p> <p>A = with float switch and plug</p>
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Special features/product advantages

- Excellent reliability due to corrosion-free hydraulics for universal application and various fluids
- Easy installation thanks to its light weight, integrated capacitor at the single-phase motor and flange with integrated fixation
- Optimum efficiency and operational safety thanks to its vortex hydraulics and smooth surfaces
- Quick maintenance facilitated by direct access to the sealing chamber and pump housing
- Long maintenance interval thanks to its double seal and a high volume sealing chamber

Series description: Wilo-Rexa UNI

Technical data

- Mains connection: 1~230 V, 50 Hz or 3~400 V, 50 Hz
- Submerged operating mode: S1
- Non-immersed operating mode: S2-15 min; S3 10 %
- Protection class: IP68
- Insulation class: F
- Fluid temperature: 3 - 40 °C, max. 60 °C for 3 min
- Free passage: 44 mm
- Cable length: 10 m

Materials

- Motor housing: 1.4301
- Hydraulics housing: PP-GF30 (copolymer)
- Impeller: PP-GF30 (copolymer)
- Static gaskets: NBR
- Sealing on pump side: SiC/SiC
- Sealing on motor side: NBR (V05), C/MgSiO₄ (V06)
- Shaft end: Stainless steel 1.4401

Description/construction

Submersible sewage pump as submersible monobloc unit for stationary and portable wet well installation.

Hydraulics

The outlet on the pressure side is designed as horizontal flange connection. The maximum possible dry matter is 8 %. Vortex impellers are used as the impeller shape. A pump support foot is integrated into the hydraulics housing.

Motor

The motors available are surface-cooled motors in single-phase version (with built-in operating capacitor) and three-phase version for the direct starting. The waste heat is given off directly to the surrounding fluid via the motor housing. These motors can operated immersed in continuous duty (S1) and non-immersed in short-time duty (S2) or intermittent periodic duty (S3).

Furthermore the motors are equipped with thermal motor monitoring. This protects the motor windings against overheating. For units with single-phase AC motors this is built-in and switches automatically. I.e. if the motor is switched off due to overheating and then cools down it is automatically switched on again. Bimetallic strips are used for this as standard.

The connection cable has a length of 10 m as standard and is available in following versions:

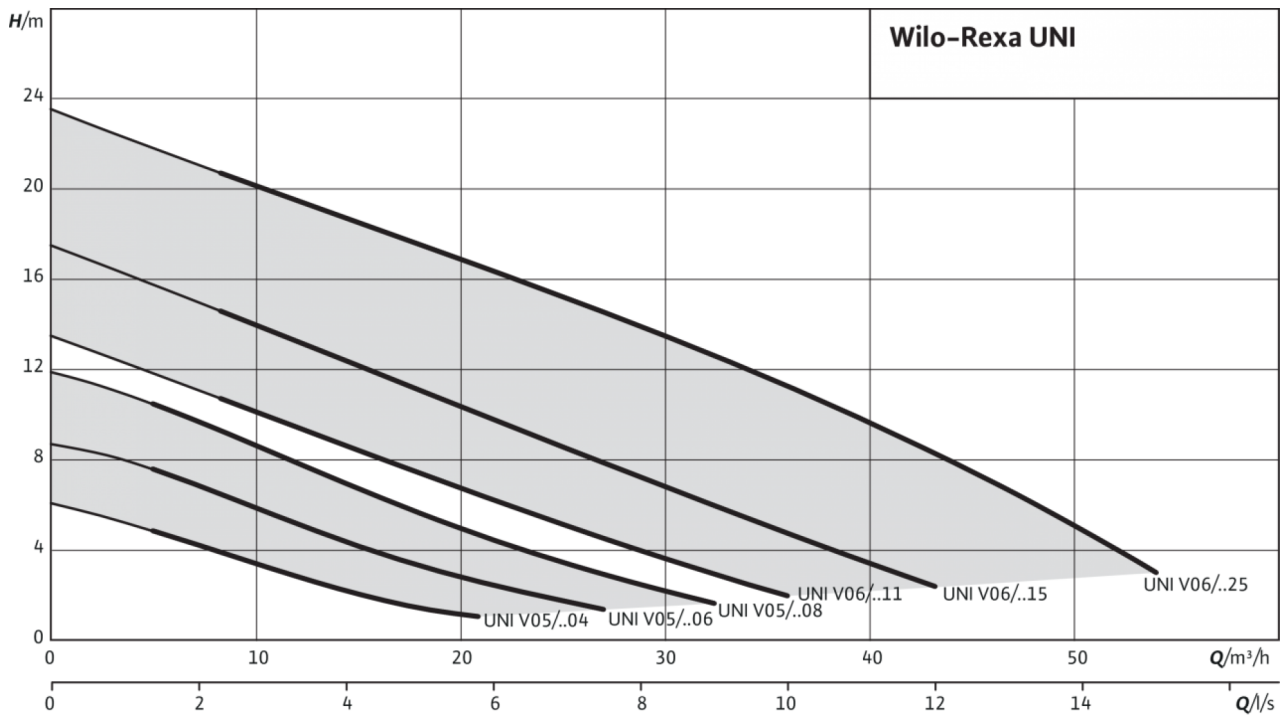
- With bare cable ends
- With plug
- With float switch and plug

Seal

There is a sealing chamber between the motor and hydraulics. This is filled with medicinal white oil. The seal on the fluid side is provided by a mechanical seal.

Duty chart: Wilo-Rexa UNI

Wilo-Rexa UNI



Product list: Wilo-Rexa UNI

Product description	Article number
Rexa UNI V05/M04-523/P	6082113
Rexa UNI V05/M04-523/A	6082114
Rexa UNI V05/T04-540	6082115
Rexa UNI V05/T04-540/A	6082116
Rexa UNI V05/M06-523/P	6082117
Rexa UNI V05/M06-523/A	6082118
Rexa UNI V05/T06-540	6082119
Rexa UNI V05/T06-540/A	6082120
Rexa UNI V05/M08-523/P	6082121
Rexa UNI V05/M08-523/A	6082122
Rexa UNI V05/T08-540	6082123
Rexa UNI V05/T08-540/A	6082124
Rexa UNI V06/M11-523/P	6082137
Rexa UNI V06/M11-523/A	6082138
Rexa UNI V06/T11-540	6082139
Rexa UNI V06/T11-540/A	6082140
Rexa UNI V06/M15-523/P	6082141
Rexa UNI V06/M15-523/A	6082142
Rexa UNI V06/T15-540	6082143
Rexa UNI V06/T15-540/A	6082144
Rexa UNI V06/T25-540	6082145
Rexa UNI V06/T25-540/A	6082146