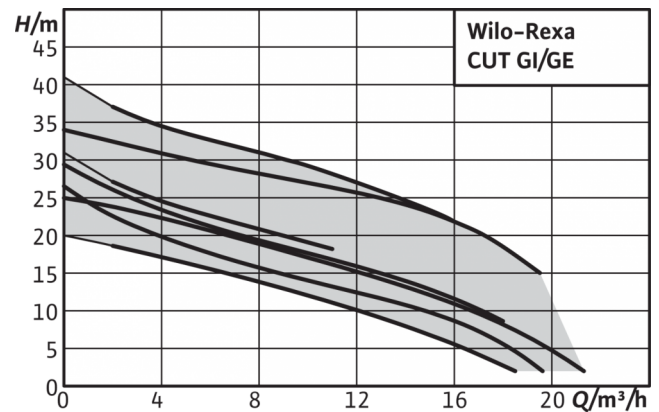


Series description: Wilo-Rexa CUT

Wilo-Rexa CUT



Wilo-Rexa CUT GI/GE



Design type

Submersible sewage pump with macerator for intermittent duty and continuous duty, for stationary and portable wet well installation.

Application

Pumping of

- Sewage containing faeces in accordance with (DIN) EN 12050-1
- Wastewater

Equipment/function

- Macerator with internal or external blade and pulling cut
- Winding temperature monitoring with bimetallic strip
- ATEX approval (with motor version "P")
- Optional external pencil electrode for the sealing chamber monitoring

Scope of delivery

- Pump
- 10 m connection cable with plug (single-phase version) or bare cable end (three-phase version)
- Installation and operating instructions

Special features/product advantages

- Especially reliable due to ATEX approval and longitudinally watertight cable inlet (CUT GE...)
- Excellent operational reliability due to spherically formed macerator with pulling cut
- Long service life through a high-quality motor seal with two independent mechanical seals and optional pencil electrode for sealing chamber control

Series description: Wilo-Rexa CUT

Type key

Example:	Wilo-Rexa CUT GE03.26/P-T15-2-540X/P
Rexa	Submersible sewage pump with centrifugal hydraulics
CUT	Series with macerator
GE	Hydraulic version: GI = internal macerator GE = external macerator
03	Nominal diameter of the pressure connection: 03 = DN 32 04 = DN 40
26	Zero-delivery head in m
P	Motor version: S = stainless steel motor housing P = cast iron motor housing
T	Mains connection version: M = 1~ T = 3~
15	Value/10 = motor power P2 in kW
2	Number of poles
5	Frequency (5 = 50 Hz, 6 = 60 Hz)
40	Code for rated voltage
X	Ex rating: No supplement = not Ex-rated X = Ex-rated
P	Additional electrical equipment: No supplement = with bare cable end P = with plug

Technical data

- Mains connection: 1~230 V, 50 Hz or 3~400 V, 50 Hz
- Submerged operating mode: S1
- Operating mode, non-immersed, CUT GI: S2-15 min; S3 10 %
- Operating mode, non-immersed, CUT GE: S2-30 min; S3 25%
- Protection class: IP68
- Insulation class: F (CUT GE: optionally H)
- Fluid temperature: 3...40 °C, max. 60 °C for 3 min
- Max. immersion depth: 20 m
- Cable length: 10 m

Materials

- Motor housing: 1.4301 (motor version "S") or EN-GJL-250 (motor version "P")
- Hydraulics housing: EN-GJL-250
- Impeller: EN-GJL 250
- Shaft end: Stainless steel 1.4021
- Macerator: interior blade = 1.4528; external blade = Abrasite/1.4034
- Sealing on pump side: SiC/SiC
- Sealing on motor side: C/MgSiO4
- Static gaskets: NBR

Series description: Wilo-Rexa CUT

Description/construction

Submersible sewage pump with internal or external macerator as submersible monobloc unit for stationary and portable wet well installation in intermittent and continuous duty.

Hydraulics

The outlet on the pressure side is designed as horizontal flange connection with a DN 32/40 combined connection. The maximum possible dry matter is 8 % (depending on the hydraulics) Single-channel and multi-channel impellers are used.

Motor

Single-phase and three-phase current surface-cooled motors for direct starting are used as the motors. 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).

The motors are equipped with a thermal winding monitor. This protects the motor windings against overheating. Bimetallic strips are used for this as standard. Motors in the P-version are also equipped with motor compartment monitoring. The moisture probe signals water ingress into the motor compartment.

Furthermore, the motor can also be fitted with an external pencil electrode to monitor the sealing chamber. This signals if there is water ingress into the sealing chamber through the seal on the pump side.

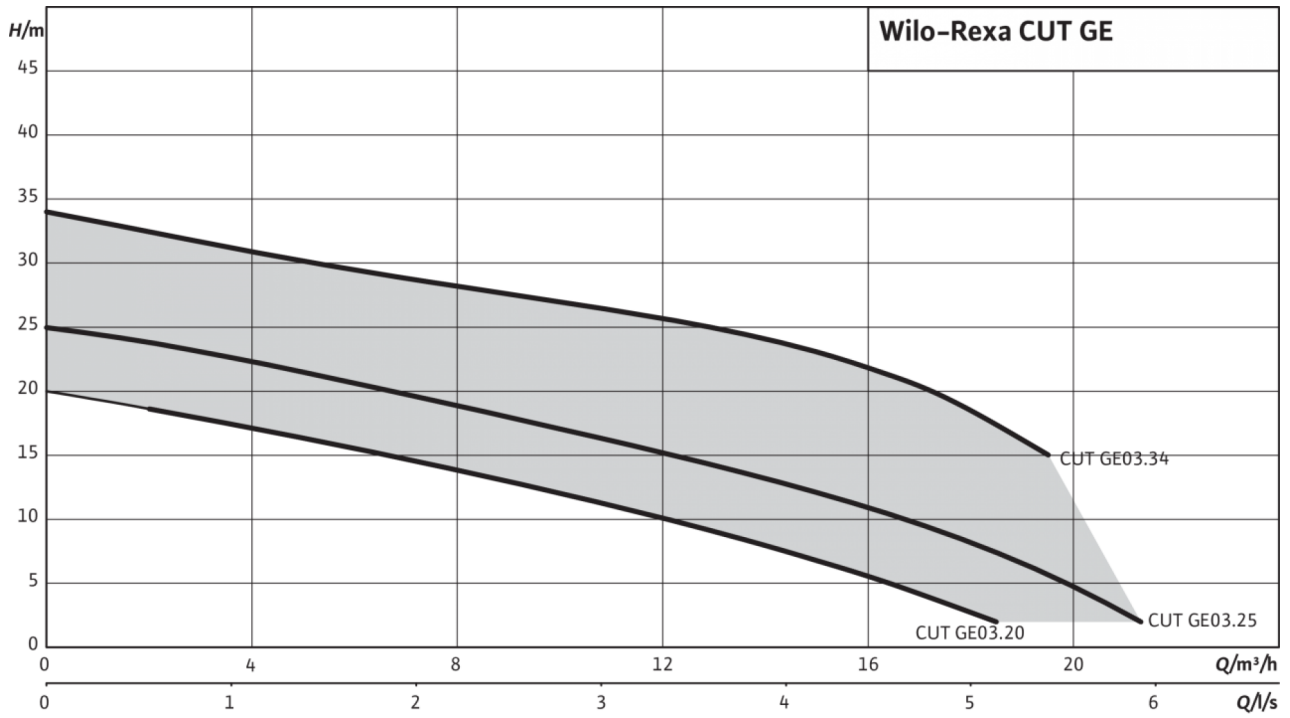
The connection cable has a length of 10 m as standard and the single-phase version is equipped with a plug. The three-phase version has bare cable ends as standard and is cast as longitudinally watertight for P-version motors.

Seal

There is a sealing chamber between the motor and hydraulics. It is filled with medical white oil and protects the motor from media ingress by the seal on pump side. The pump-side and motor-side seals are provided by two mechanical seals which rotate independently of each other.

Duty chart: Wilo-Rexa CUT

Wilo-Rexa CUT GE



Product list: Wilo-Rexa CUT

Product description	Mains connection	Max. delivery head H	Max. volume flow Q	Optimal delivery head H_{opt}	Optimal volume flow Q_{opt}	Rated current I_N	Rated power P_2	Explosion protection ATEX	Article number
Rexa CUT GI03. 1~230 V, 50 Hz 31/S- M15-2-523/P	31 m	11 m ³ /h	31 m	11 m ³ /h	9.30 A	1.50 kW	no	6081536	
Rexa CUT GI03. 1~230 V, 50 Hz 29/S- M15-2-523/P	30 m	18 m ³ /h	29.5 m	18 m ³ /h	9.30 A	1.50 kW	no	6081535	
Rexa CUT GI03. 1~230 V, 50 Hz 26/S- M15-2-523/P	27 m	19.5 m ³ /h	26.5 m	19.5 m ³ /h	9.30 A	1.50 kW	no	6081534	
6080486, Rexa CUT GI03.41/S- T25-2-540	3~400 V, 50 Hz 41 m	16 m ³ /h	41 m	16 m ³ /h	5.50 A	2.50 kW	no	6080486	
6080483, Rexa CUT GI03.31/S- T15-2-540	3~400 V, 50 Hz 31 m	11 m ³ /h	31 m	11 m ³ /h	3.60 A	1.50 kW	no	6080483	
Rexa CUT GI03. 3~400 V, 50 Hz 29/S-T15-2-540	30 m	18 m ³ /h	29.5 m	18 m ³ /h	3.60 A	1.50 kW	no	6075983	
Rexa CUT GI03. 3~400 V, 50 Hz 26/S-T15-2-540	27 m	19.5 m ³ /h	26.5 m	19.5 m ³ /h	3.60 A	1.50 kW	no	6069868	
Rexa CUT GE033~400 V, 50 Hz .20/P- T15-2-540X 20m	20 m	18.5 m ³ /h	20 m	18.5 m ³ /h	3.60 A	1.50 kW	yes	6080435	
Rexa CUT GE033~400 V, 50 Hz .25/P- T25-2-540X 20m	25 m	-	25 m	-	5.50 A	2.50 kW	yes	6079714	
Rexa CUT GE033~400 V, 50 Hz .34/P- T39-2-540X 20m	34 m	19.5 m ³ /h	34 m	19.5 m ³ /h	8.50 A	3.90 kW	yes	6079713	
Rexa CUT T39-2-540X	3~400 V, 50 Hz 20 m	18.5 m ³ /h	20 m	18.5 m ³ /h	3.60 A	1.50 kW	yes	6075981	
Rexa CUT T39-2-540X	3~400 V, 50 Hz 34 m	19.5 m ³ /h	34 m	19.5 m ³ /h	8.50 A	3.90 kW	yes	6069867	
Rexa CUT T25-2-540X	3~400 V, 50 Hz 25 m	-	25 m	-	5.50 A	2.50 kW	yes	6069866	