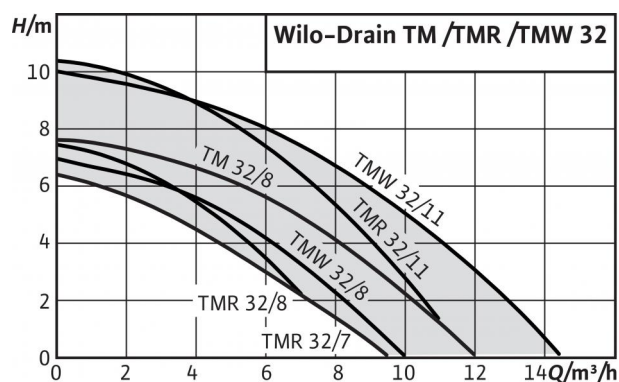


Series description: Wilo-Drain TM/TMW/TMR 32



Similar to figure

Design

Submersible drainage pump

Application

Pumping of

- Pre-cleaned sewage without faeces and long-fibre components
- Wastewater

Type key

Example:

TM

Wilo-Drain TM 32/7

Tauchmotorpumpe (submersible pump)

32

Nominal diameter of pressure connection

/ 7

Max. delivery head [m]

Example:

TM

Wilo-Drain TMW 32/11 HD

Tauchmotorpumpe (submersible pump)

W

W = with turbulator

32

R = with flat suction
Nominal diameter of pressure connection

/ 11

Max. delivery head [m]

HD

For aggressive fluid

Special features/product advantages

Series description: Wilo-Drain TM/TMW/TMR 32

Special features/product advantages

- Minimum residual water level of 2 mm (only TMR version)
- Ergonomic handle, low weight, user-friendly due to ready-to-plug version (Plug & Pump)
- Operational reliability due to integrated sheath current cooling, mechanical seal with sealing chamber and stainless steel-encapsulated motor
- Cable length 4 to 10 m, depending on type
- Fluid temperature: max. 90 °C

Technical data

- Mains connection 1~230 V, 50-60 Hz
- Protection class: IP 68
- Submersion depth max. 1 or 7 m, depending on type
- Fluid temperature 3 - 35 °C, max. 90 °C for short periods up to 3 min.
- Cable length 4 or 10 m, depending on type
- Free ball passage 10 mm (TMR: 2 mm)
- Pressure port Rp 1 ¼

Equipment/function

- Ready-to-plug
- Thermal motor monitoring
- Sheath current cooling
- Connection cable

Materials

- Pump housing PP-GF30
- Impeller PPE/PS-GF20
- Shaft 1.4104 (AISI 430F)/1.4404 (AISI 316L) (for TMW 32/11 HD)
- Shaft seal: NBR on motor side, carbon/ceramic on pump side
- Motor housing 1.4301 (AISI 304) / 1.4404 (AISI 316L) (with TMW 32/11 HD)

Description/design

Submersible pump for stationary and portable wet-well installation in fully automatic mode with attached float switch.

Hydraulics

The pumps of the TM series are equipped with a multi-channel impeller and have a free ball passage of 10 mm (except TMR). The pressure connection is a vertical threaded connection.

Configuration options:

- **TMW**
The Wilo-Drain TMW's twister function ensures continuous turbulence in the suction area of the pump, preventing the sinking and settling of settling sediments. This results in a clean pump sump and reduces the build-up of odours. The Twister function can be disabled.
- **TMR**
The Wilo-Drain TMR's special strainer enables pumping off of the fluid to a residual level of 2 mm.

Motor

Submersible motor in single-phase version with sheath current cooling (cooling by the pumped fluid between pump and motor housing) and built-in thermal overload protection with automatic reactivation.

Seal

The seal is created on the fluid side with a mechanical seal, on the motor side with a rotary shaft seal. A sealing chamber with a white-oil filling is located between the gaskets.

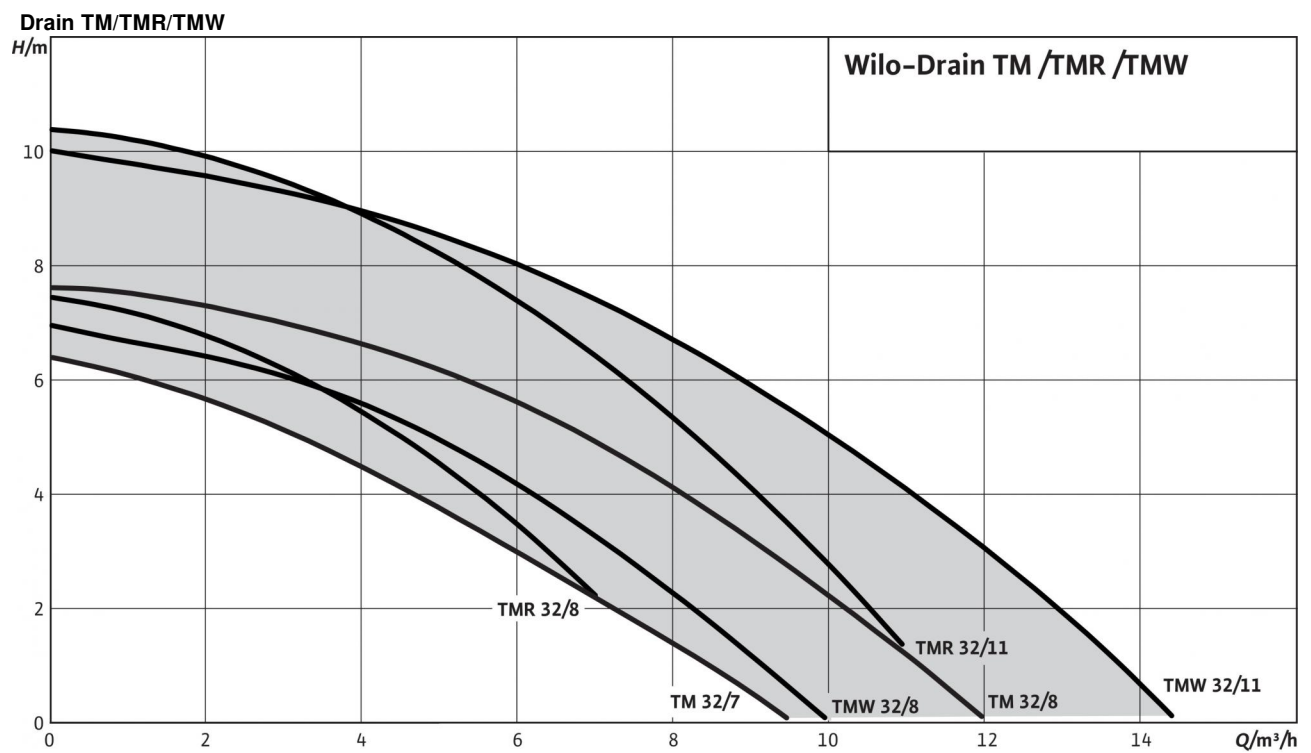
Cable

The pump is equipped with a 3 or 10 m connection cable with shockproof plug and an attached float switch (not TM 32/8-10M).

Scope of delivery

Pump ready for connection with cable, plug and attached float switch (except for TM 32/8), supplied non-return valve (except for TM 32/7), installation and operating instructions.

Duty chart: Wilo-Drain TM/TMW/TMR 32



Equipment/function: Wilo-Drain TM/TMW/TMR 32

Design

Submersible	•
Non-self-priming	•
Open single-channel impeller	-
Vortex impeller	-
Open multi-channel impeller	•
Turbulator	•
Sealing chamber	•
Sealing by mechanical seal on motor side	-
Sealing by rotary shaft seal on motor side	•
Sealing by mechanical seal on fluid side	•
Seal for rotary shaft seal on fluid side	-
AC motor	•
Three-phase motor	-
Direct activation	•
Star-delta activation	-
FC operation	-
dry motor	•
Motor with oil cooling	-
Sheath current cooling	•

Application

Wet well installation, stationary	•
Wet well installation, portable	•
Dry well installation, portable	-
Dry well installation, stationary	-

Equipment/function

Explosion protection	-
Hose connection	•
Float switch	•
Non-return valve	•
Capacitor box for 1~230 V	-
Connection cable detachable	-
Ready-to-plug	•

• = available or approved, - = not available or not approved

Product list: Wilo-Drain TM/TMW/TMR 32

Pump type	Mains connection	Float switch	Max. volume flow Q_{\max}	Max. delivery head H_{\max}	Length of connecting cable	Mains plug	Art no.
TM 32/7	1~230 V, 50 Hz	With float switch	7 m ³ /h	7 m	4 m	Shock-proof	4048412
TM 32/8-10M	1~230 V, 50 Hz	No float switch	10 m ³ /h	8 m	10 m	Shock-proof	4048411
TMR 32/8	1~230 V, 50 Hz	With float switch	8 m ³ /h	8 m	4 m	Shock-proof	4145325
TMR 32/8-10M	1~230 V, 50 Hz	With float switch	8 m ³ /h	8 m	10 m	Shock-proof	4145326
TMR 32/11	1~230 V, 50 Hz	With float switch	11 m ³ /h	11 m	4 m	Shock-proof	4145327
TMW 32/8	1~230 V, 50 Hz	With float switch	10 m ³ /h	7 m	4 m	Shock-proof	4048413
TMW 32/8-10M	1~230 V, 50 Hz	With float switch	10 m ³ /h	7 m	10 m	Shock-proof	4058059
TMW 32/11	1~230 V, 50 Hz	With float switch	16 m ³ /h	10 m	4 m	Shock-proof	4048414
TMW 32/11-10M	1~230 V, 50 Hz	With float switch	16 m ³ /h	10 m	10 m	Shock-proof	4058060
TMW 32/11HD	1~230 V, 50 Hz	With float switch	16 m ³ /h	10 m	10 m	Shock-proof	4048715