

Series description: Wilo-Sub TWI 5-SE Plug & Pump



Design

Water-supply system with submersible pump, control and complete accessories

Application

- Pumping from wells, rainwater storage tanks and vessels
- Irrigation, sprinkling or pumping out
- Water supply
- Rainwater utilisation

Type key

Example: **TWI5-SE 304 EM-FS P&P**

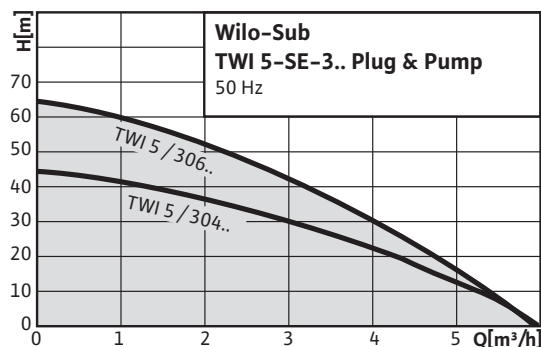
| | |
|----------------|--|
| TWI | Submersible-motor pump made of stainless steel |
| 5 | Pump diameter (5") |
| [Space] | Suction through strainer |
| SE | Connection G 1¼ on suction side (for floating extractor) |
| 3 | Nominal flow rate Q in m ³ /h (at optimum efficiency) |
| 04 | Number of steps |
| EM | Single-phase current, 1~230 V, 50 Hz |
| DM | Three-phase current, 3~400 V, 50 Hz |
| FS | With float switch |
| [Space] | no float switch |
| P&P | Plug & Pump version |

Special features/product advantages

- Ready-to-plug
- Complete accessories
- Thermal motor protection
- Pump (housing, stages, impellers) constructed entirely of 1.4301 stainless steel (AISI 304)
- Installation possible outside water

Technical data

- Mains connection 1~230 V, 50 Hz
- Fluid temperature +5 °C to +35 °C
- Max. operating pressure 10 bar
- Protection class: IP 68
- Suction- and pressure-side connection Rp 1



Equipment/function

- Submersible pump
- Mains connection 1~230 V, 50 Hz
- Connection cable
- Thermal motor protection switch

Materials

- Pump housing stainless steel 1.4301
- Impeller made of Noryl
- Shaft made of 1.4005 stainless steel
- Mechanical seal made of carbon/ceramic
- Stage chambers made of Noryl
- Seal made of NBR

Scope of delivery

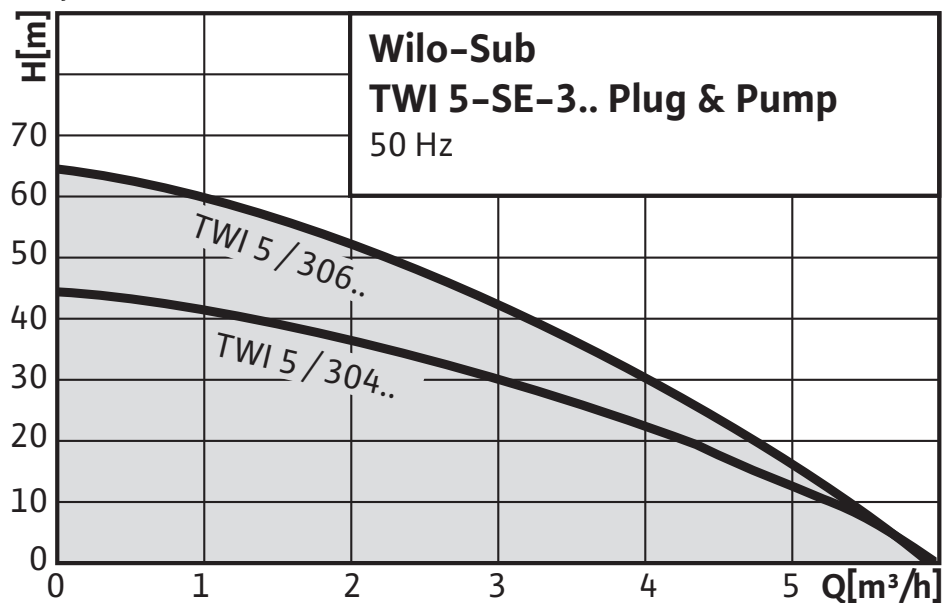
- Pump
- Complete control
- Safety valve made of polypropylene
- Fine suction filter
- Suction hose
- Installation and operating instructions

Accessories

- Gate valve
- Non-return valve
- Switchgear and motor protection
- Protection switch
- Float switch
- Acoustic overflow alarm
- Pressure controller
- Suction filter with floater:
 - Coarse filter
 - Fine filter

Duty chart: Wilo-Sub TWI 5-SE Plug & Pump

Pump curves



Equipment/function: Wilo-Sub TWI 5-SE Plug & Pump

Hydraulics

| | |
|------------------------------|---|
| Self-priming | - |
| Non-self-priming | • |
| Submersible pump | • |
| Multistage centrifugal pump | - |
| Stationary water-supply unit | • |
| Directly flanged motor | - |

Motor data

| | |
|--|----------------|
| Mains connection | 1~230 V, 50 Hz |
| Connecting cable (version 1~230 V) | • |
| Capacitor (1~230 V version) | • |
| Thermal motor protection switch (EM version) | • |

Equipment/function

| | |
|---|---|
| Pressure switch | • |
| Pressure and flow monitor | - |
| Pressure gauge | • |
| Switchgear | • |
| Safety valve made of polypropylene | • |
| Fine suction filter | • |
| Suction hose | • |
| Diaphragm pressure vessel (20/50 l) | - |
| Including installation and operating instructions | • |

• = available, - = not available