

**Your advantages**

- User-friendly – ergonomic handle, low weight, ready-to-plug version (Plug&Pump)
- Operationally reliable – encapsulated motor with sheath flow cooling, mechanical seal and sealing chamber
- Very compact design – Low noise emission

Design

Submersible pump for stationary and portable wet well installation. Pump with fitted float switch for fully automatic operation.

Application

For the pumping in domestic areas of:

- Sewage not containing faeces
- Wastewater (with small amounts of sand and gravel)

Equipment/function

- Self-switching thermal motor monitoring
- Integrated capacitor
- Fitted float switch

Data sheet

Hydraulic data

Hydraulics type	General impeller
Free ball passage of the hydraulics	5 mm
Max. immersion depth	7 m
Min. fluid temperature T_{\min}	3 °C
Max. fluid temperature T_{\max}	40 °C
Min. ambient temperature T_{\min}	3 °C
Max. ambient temperature T_{\max}	40 °C

Motor data

Mains connection	1~220-240 V, 50 Hz
Voltage tolerance	±10 %
Power factor $\cos \varphi_{100}$	0,96
Rated power P_2	0,3 kW
Rated current I_N	1,8 A
Starting current I	4,3 A
Activation type	Direct On Line (DOL)
Rated speed n	2900 1/min
Max. switching frequency t	30 1/h
Insulation class	B
Protection class	IP68

Cable

Connection cable length L	10 m
Cable type	H07RN-F
Cable cross-section	3G1 mm²
Type of connection cable	Detachable

Equipment/function

Float switch	yes
Motor protection	no

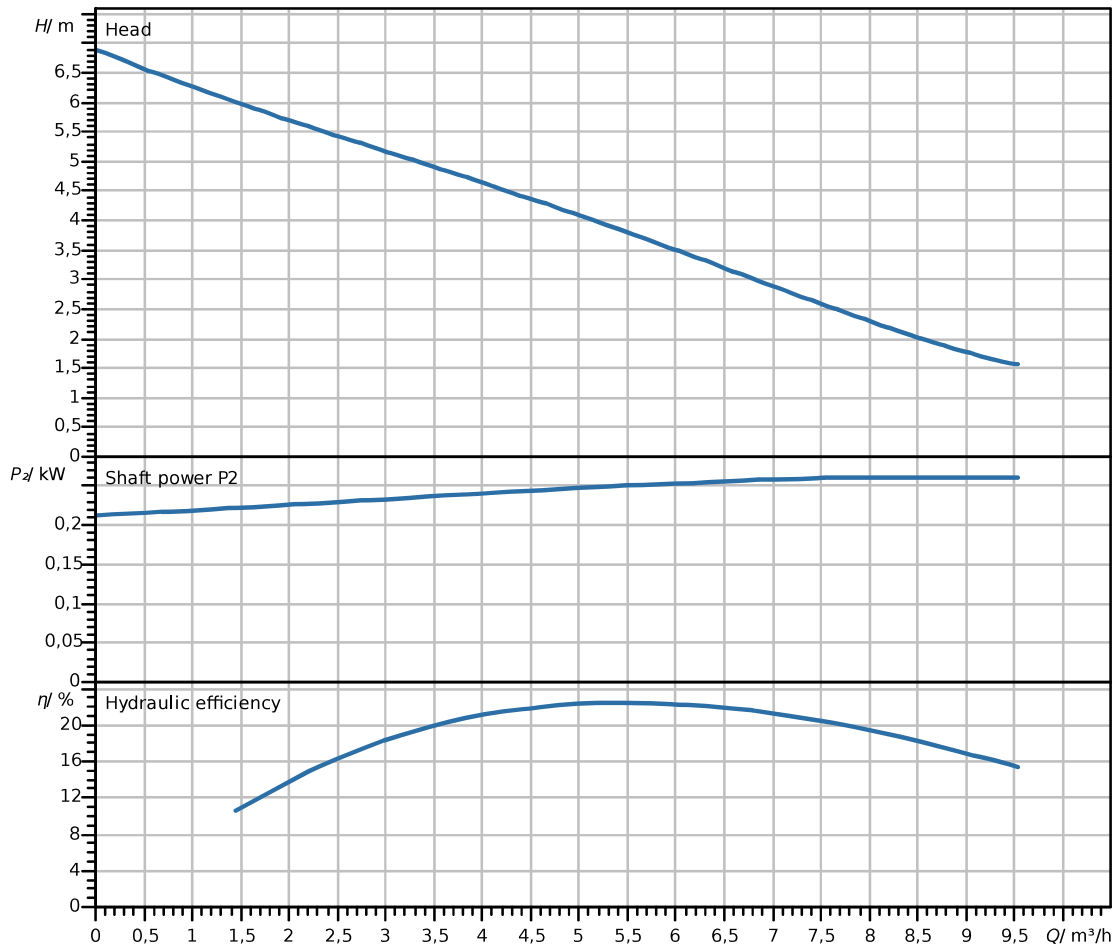
Materials

Pump housing	PP-GF30
Impeller	PPE/PS-GF20
Sealing on motor side	NBR
Gasket material	NBR
Motor housing	Aluminium

Installation dimensions

Pipe connection on the discharge side DN_d	G 1¼
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Pump curves



Dimensions and dimensions drawings

Dimensions <i>H</i>	257 mm
Dimensions <i>H1</i>	55 mm
Dimensions <i>L</i>	175 mm
Dimensions <i>HB</i>	55 mm
Dimensions <i>w1</i>	0 mm
Dimensions <i>w2</i>	78 mm

Tender text

Fully submersible drainage pump for portable wet well installation for pumping sewage not containing faeces and wastewater. Hydraulics housing and impeller made of plastic, motor housing made of aluminum alloy. Hydraulics with vertical pressure connection with hose connection and open multi-channel impeller. Shroud-cooled single-phase AC motor (cooling by the pumped fluid between the pump and motor housing) with integrated operating capacitor and self-switching thermal motor monitoring. Connection cable with fitted AS/NZS-10A plug and float switch for automatic level control. The seal is created on the fluid side by a

mechanical seal, and on the motor side by a rotary shaft seal.

Operating Data

Product data

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Cable type	H07RN-F
Cable cross-section	3G1 mm²
Type of connection cable	Detachable

Equipment/function

Float switch	yes
Motor protection	no

Materials

Pump housing	PP-GF30
Impeller	PPE/PS-GF20
Shaft	Stainless steel
Sealing on motor side	NBR
Gasket material	NBR
Motor housing	Aluminium

Installation dimensions

Pipe connection on the suction side DN_s	-
Pipe connection on the discharge side DN_d	G 1¼

Ordering information

Brand	Wilo
Product description	PD-300EA-10M-AU
Net weight, approx. m	6 kg
Article number	3117041 