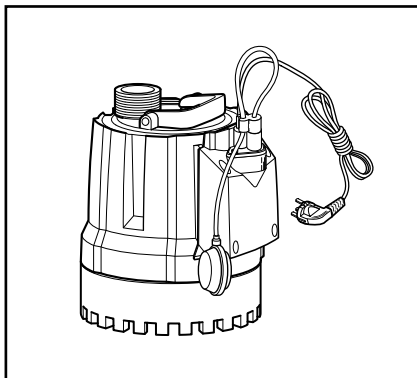


wilo

DRAINAGE PUMP

OWNER'S MANUAL



MODEL : PD-300EA(-10M-AU)

READ OVER THIS OWNER'S MANUAL BEFORE THE FIRST OPERATION OF YOUR PUMP FOR THE SAKE OF ITS OPTIMUM EFFICIENCY.

Wilo.com/kr/ko/

PRECAUTION BEFORE USING THE PUMP

1. Personnel qualifications

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved
 - children shall not play with the appliance
 - cleaning and user maintenance shall not be made by children without supervision

2. Installation

- The maximum total head, in meters : 7.5m
- Pollution of the liquid could occur due to leakage of lubricants.
- The pump must not be used when people are staying in the water
- The pump must be supplied through a residual current device (RCD) with a rated residual operating current ≤ 30 mA

3. Electrical connection

- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

PRECAUTION BEFORE USING THE PUMP

4. Stationary wet well installation

- For Stationary wet well installation, the pump is installed directly onto the pressure pipe.

Observe and adhere to the following points:

- The connected pressure pipe must be self-supporting.
The pressure pipe must not be supported by the pump.
 - The pump may oscillate slightly during operation.
These oscillations must be dissipated via the pressure pipe.
 - Ensure that the connection to the pressure pipe is stress-free – do not screw it too tightly.
 - The pressure pipe must not be smaller than the pump's discharge connection.
 - Seal pipe connections with Teflon tape.
 - Install all specified valves in accordance with local requirements
(gate valve, non-return valve.)
 - Lay the pressure pipe frost-proof.
 - Avoid air intake! Air in the pump and in the pipe system can lead to delivery problems.
Air pockets must be removed using the ventilation systems!
 - Install the pressure pipe as a "pipe loop" to avoid backflow from the public sewer.
At its highest point, the bottom edge of the pipe loop must be above the locally determined backflow level!
- > Site is prepared.
- > Pressure pipe properly installed.
- > Screw the discharge pipe fully into the pump's discharge connection.
- > Position the pump at the installation site.
- CAUTION! Use a hard surface or underlay at the installation site to prevent sinking on soft substrate.**
- > Connect the discharge pipe to the pressure pipe
(e.g. using a flexible hose section).
- > Secure the connection cable to the pressure pipe and
route it to the socket/power supply.
- > Pump is installed.

PRECAUTION BEFORE USING THE PUMP

5. Portable wet well installation.

- The pump can be installed at any location on the application site when carrying out portable wet well installation.

Observe and adhere to the following points:

- Secure the pump against falling over and moving (creeping) during use.

- Secure the pressure hose to the hose connection.

-> Site is prepared.

-> Pressure hose to be used: Min. inside diameter 32mm

-> Hose clip to be used: 32 – 40mm inside diameter

-> Hose connection to be used: 32mm (with female thread)

-> Attach the hose connection.

Twist the hose connection into the pressure port as far as it will go.

-> Slide the hose clip over the pressure hose.

-> Slide the pressure hose onto the hose connection at the pressure port.

-> Secure the pressure hose to the hose connection using the hose clip.

-> Position the pump at the installation site.

CAUTION! Use a hard surface or underlay at the installation site to prevent sinking on soft substrate.

-> Lay the pressure hose and fasten it in the appropriate place (e.g. drainage).

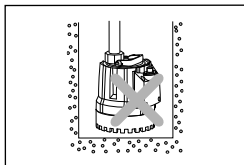
CAUTION! If the pump is placed in a full chamber, hold the pump at a slight angle when immersing.

This causes the air to escape from the pump!

-> Route the connection cable to the socket/power supply.

-> Pump is installed.

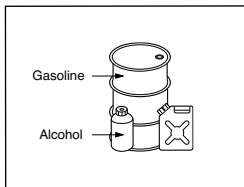
PRECAUTION BEFORE USING THE PUMP



6. Avoid operating under the condition of dry running and delivering no water.

For it will shorten the service life of pump and also cause the trouble of motor.

7. Avoid using the pump under condition of hot water over 40°C For it will be shorten the service life of pump.



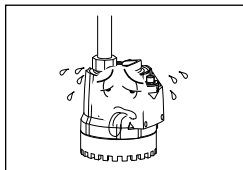
8. Be careful not to use the pump solvent such as benzol, acid, inflammable liquids such as gasoline.

When it is used for them, there is the risk of the fire and it will cause the trouble of the pump and also shorten the service life of it.

9. Take care of handling the pump.

Prohibit to impact the pump.

- Never carry the pump by the holding of cable itself.
- Care should be taken during installation that the pump is not allowed to be mounted suspended freely on the delivery pipe or on the cable. It must rest on a stable surface and/or be suspended on a handle with a rope.

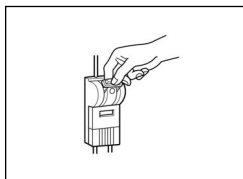


10. The permitted voltage of this pump is $\pm 10\%$ of the rated voltage.

Otherwise it will be the reason of shortening the service life of the pump.

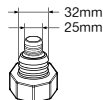
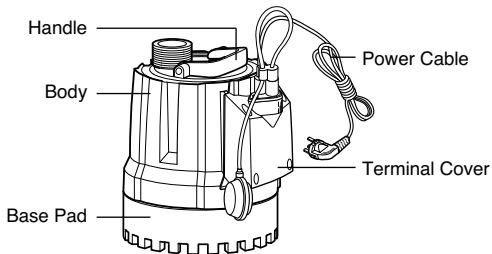
11. When connect or disconnect an electric power to the pump for service, installation and repair, it should be cut off the electric switch.

- Electric connections must be protected from moisture.



APPEARANCE AND NAME OF PARTS

PD-300EA(-10M-AU)



PD-PD-300EA

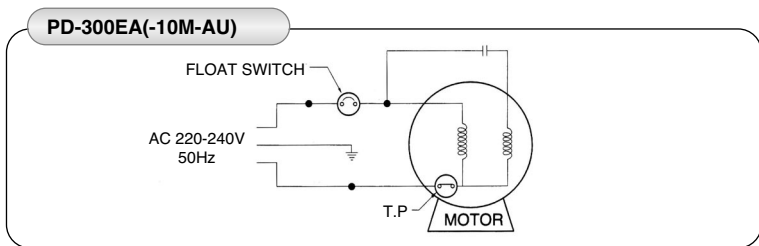
AREAS OF USE

- This pump is used primarily as a cellar pump.
- This pump can, however, be used everywhere, where water is to be moved, for instance in the household, in farming, in the garden or yard, in sanitation installations, and in many other ways as well.
- Depending on the water level, the float switch's length can be controlled.

REPAIR AND CHECKING

- We recommend regular inspection and maintenance to ensure long equipment life and uninterrupted operation.
- Checking and exchange for oil
It will be suitable for checking once per 3~6 month and exchange once per 1 year.
- And the exchanging oil will be Turbine oil #32 or the same as it.
- The site of the oilcap is the behind of impeller.
After disassemble the impeller, check or exchange for oil.
- When pour oil into the oil chamber, it will be suitable 80~85% of its capacity(about 55cc).

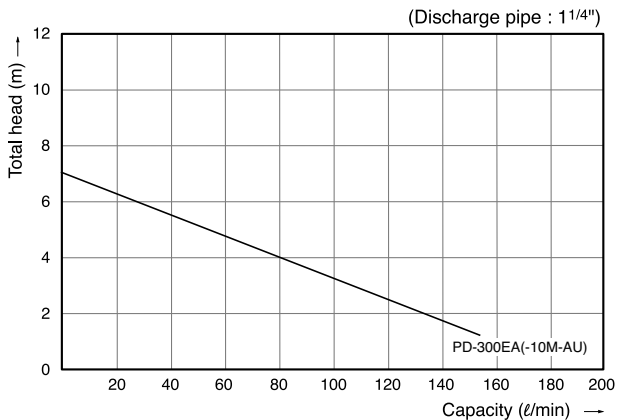
WIRING DIAGRAM



SPECIFICATIONS

| | |
|-----------------|--------------------------|
| Model Item | PD-300EA(-10M-AU) |
| Power source | 1~ 220-240V, 50Hz |
| Output(W) | 300 |
| Total head(m) | 7.5 |
| Capacity(ℓ/min) | 160(at Ht 1m) |
| Discharge pipe | 1 1/4", ø 25, 32mm(hose) |

TOTAL HEAD-CAPACITY CURVE



TROUBLES AND COUNTER-MEASURES

| Troubles | Cause | Counter-Measures (The indication • can be done by user.) |
|--|---|---|
| Motor does not start. | T.P | <ul style="list-style-type: none"> • If the motor is overheated, it doesn't operate. Then, wait till getting cold. (20~40 minutes) |
| | Cord disconnected. | Replace the new cord. |
| | Trouble in motor. | Repair or replace the motor. |
| | Too low power supply voltage. | <ul style="list-style-type: none"> • Consult with the power supply company. |
| Water is not pumped out although motor runs. | Water level is lower than standard level. | <ul style="list-style-type: none"> • Check the water level |
| | Trouble in the connection pipe. | <ul style="list-style-type: none"> • After checking the joint of piping shut them perfectly. |
| T.P for motor works too often. | Too low or high power supply voltage. | <ul style="list-style-type: none"> • Consult with the power supply company. |
| | Impeller is in contact with another part. | Repair the defects. |
| | Short or open circuit of the capacitor. | Replace the capacitor. |

Certificate Number: AZ 69025663

Page: 0001



CERTIFICATE OF APPROVAL

Authorised marking: TUV-025663-EA

TÜV Rheinland Australia Pty Ltd "Electrical Product Safety Certification (EPSC) Scheme", accredited by JAS-ANZ in accordance with ISO/IEC 17065, has issued this certificate under the Gas and Electricity (Consumer Safety) Act 2017 as a declared Recognised External Approval Scheme (REAS). The electrical equipment described hereunder has been evaluated and found to be electrically safe at the time of certification. It is a requirement that all equipment supplied under this certificate shall be identical to the equipment as certified. The certificate holder shall use the above mentioned authorised marking. The certificate holder may use the Regulatory Compliance Mark (RCM) provided all the requirements of AS/NZS 4417.1 & AS/NZS 4417.2 applicable to the article are fulfilled.

CERTIFICATE HOLDER:

WILO Pumps Ltd,
46, Mieumsandan 1-ro,
Gangseo-gu, Busan, 46730
Republic of Korea

DESCRIPTION OF EQUIPMENT

Declared class: SUBMERSIBLE PUMP
Product: Submersible Pump
Trade Name / Manufacturer: WILO
Model Number: PD-300EA-10M-AU
Ratings: 220-240V~, 50Hz, 0.38kW, 1.8A, Class I, IP68
Temperature water max. 40°C, Head max.7.5m
Standard: AS/NZS 60335.2.41:2013+A1
AS/NZS 60335.1:2020
Issue Date: 08/12/2021
Expiry Date: 08/12/2026

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

Grant Li

JAS-ANZ



Acc. No. Z287040AAA
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MEMO

