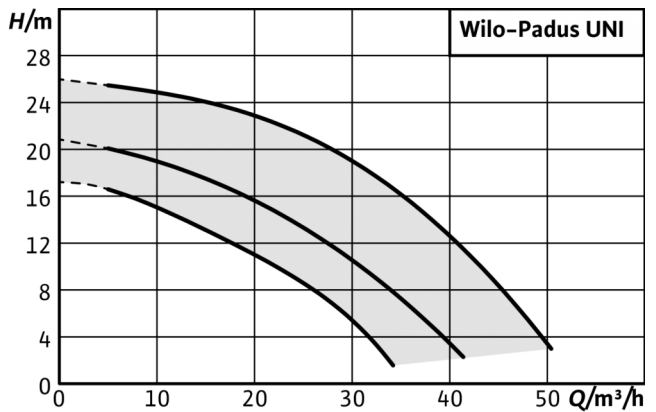


## Series description: Wilo-Padus UNI

Wilo-Padus UNI



Wilo-Padus UNI



### The flexible drainage pump for a diverse range of fluids.

The Wilo-Padus UNI is the ideal entry-level model for wastewater transport in small commercial buildings. The pump can be used flexibly as a portable device or in a pump chamber. Hydraulics made from corrosion-free composite material provide high levels of reliability for universal use in the pumping of a diverse range of fluids. Installation is made very simple due to its low weight, integrated capacitor and threaded connection. A double mechanical seal and the large sealing chamber facilitate long maintenance intervals. Direct access to the most important components make maintenance work very convenient. By utilising Wilo-Control switchgears, the Wilo-Padus UNI can also be integrated into existing building management systems.

#### Construction

Submersible drainage pump for intermittent operation for portable wet well installation

#### Application

Pumping of

- Sewage not containing faeces (EN 12050-2)
- Wastewater
- Fluids with a pH value of > 4.5
- Material version "B": Aggressive fluids, e.g. lake/sea water, condensate, distilled water

#### Equipment/function

- Winding temperature monitoring with bimetallic strip
- Ready-to-plug (versions A and P)
- Float switch (version A)
- Vertical float switch (version VA)

#### Scope of delivery

- Submersible drainage pump with 10 m cable
- Operating and maintenance manual

#### Your advantages

- Exceptional reliability owing to corrosion-free hydraulics for universal applications and various fluids
- Easy installation thanks to its low weight, integrated capacitor at the AC motor and threaded flange
- Optimum efficiency and high operational reliability owing to improved hydraulics
- Quick maintenance facilitated by direct access to the sealing chamber and pump housing
- Long maintenance intervals thanks to double mechanical seal and large volume sealing chamber
- Clog-proof thanks to the integrated strainer

## Series description: Wilo-Padus UNI

### Type key

Example:	Wilo-Padus UNI M05B/T15-540/A
Padus	Submersible drainage pump with centrifugal hydraulics
<b>UNI</b>	Series with copolymer hydraulics
<b>M</b>	Open multi-channel impeller
<b>05</b>	Nominal diameter of the pressure connection: G2
<b>B</b>	Material version
	<ul style="list-style-type: none"><li>• None = standard version</li><li>• B = V4A version</li></ul>
<b>T</b>	Mains connection version:
	M = 1~
	T = 3~
<b>15</b>	Value/10 = motor power P2 in kW
<b>5</b>	Frequency (5 = 50 Hz, 6 = 60 Hz)
<b>40</b>	Code for rated voltage
<b>A</b>	Additional electrical equipment:
	No supplement = With bare cable end
	P = with plug
	A = with float switch and plug
	VA = Vertical float switch and plug

### Technical data

- Mains connection: 1~230 V, 50 Hz or 3~400 V, 50 Hz
- Submerged operating mode: S1
- Non-immersed operating mode: S2-15 min; S3 10%
- Pressure connection: G2
- Protection class: IP68
- Insulation class: F
- Fluid temperature: 3 – 40 °C, max. 60 °C for 3 min
- Free passage: 10 mm
- Cable length: 10 m

### Materials

- Motor housing: 1.4301
- Hydraulics housing: PP-GF30 (copolymer)
- Impeller: PP-GF30 (copolymer)
- Static gaskets: NBR
- Sealing on pump side: SiC/SiC
- Sealing on motor side: C/Cr
- Shaft end: Stainless steel 1.4401

In material version "B", all parts that come in contact with the fluid are made of stainless steel 1.4401 (AISI 316).

### Description/construction

Submersible drainage pump as submersible monobloc unit for portable wet well installation.

### Hydraulics

The outlets on the pressure side are designed as vertical threaded flange connections. Open multi-channel impellers are used as the impeller shape. A strainer is integrated at the hydraulics housing.

### Motor

The motors available are surface-cooled motors in single-phase version (with built-in operating capacitor) and three-phase version for the direct starting. 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).

Furthermore the motors are equipped with thermal motor monitoring. This protects the motor windings against overheating. For units with single-phase AC motors this is built-in and switches automatically. I.e. if the motor is switched off due to overheating and then cools down it is automatically switched on again. Bimetallic strips are used for this as standard.

The connection cable has a length of 10 m as standard and is available in following versions:

- With bare cable ends
- With plug
- With float switch and plug

## Series description: Wilo-Padus UNI

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### Description/construction

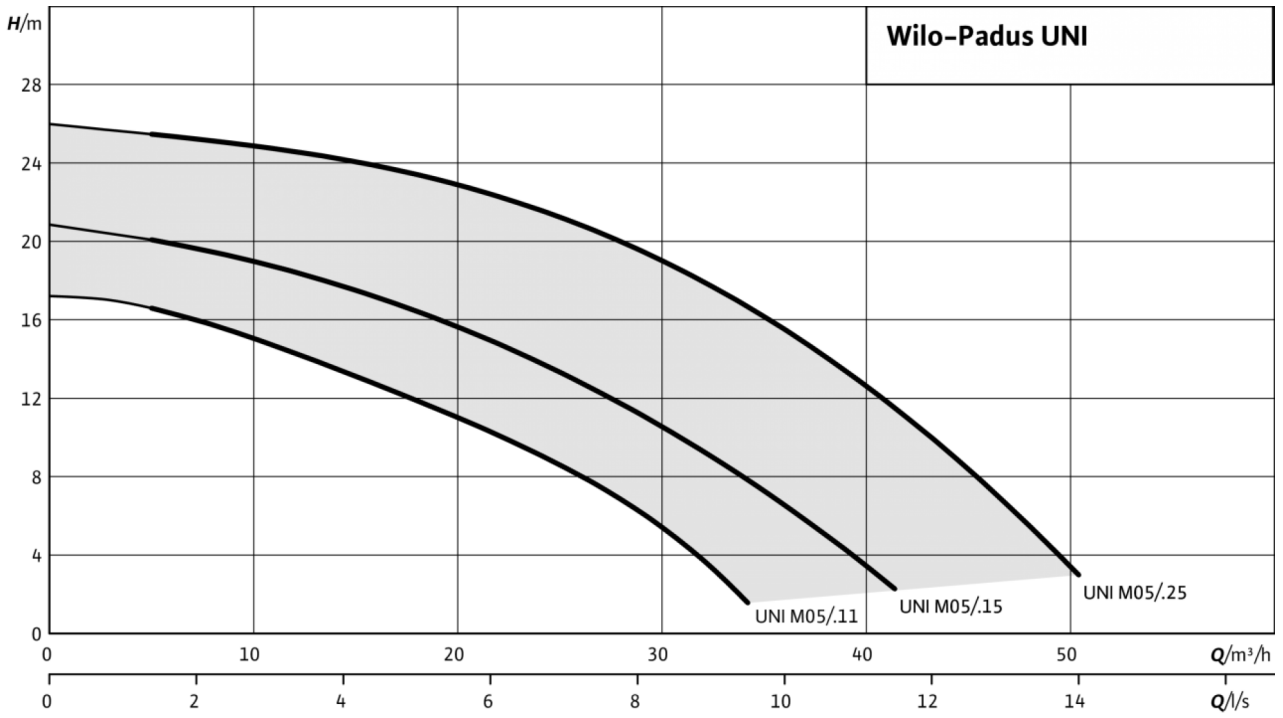
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#### **Pump with vertical float switch**

The "VA" version is equipped with a vertical float switch. In this version, the switching level is preset by two floaters sitting on a threaded rod. It uses less space than conventional float switches and is perfect for use in tight manholes.

## Duty chart: Wilo-Padus UNI

Wilo-Padus UNI





## Product list: Wilo-Padus UNI

Product description	Article number
Padus UNI M05/M11-523/P	6084801
Padus UNI M05/M11-523/A	6084802
Padus UNI M05/M11-523/VA	6084803
Padus UNI M05/T11-540	6084804
Padus UNI M05/T11-540/A	6084805
Padus UNI M05/M15-523/P	6084806
Padus UNI M05/M15-523/A	6084807
Padus UNI M05/M15-523/VA	6084808
Padus UNI M05/T15-540	6084809
Padus UNI M05/T15-540/A	6084810
Padus UNI M05/T25-540	6084811
Padus UNI M05/T25-540/A	6084812
Padus UNI M05/T25-540 2"1/2 KIT	6084815
Padus UNI M05/T25-540/A 2"1/2 KIT	6084816
Padus UNI M05B/M11-523/A	6087664
Padus UNI M05B/T11-540	6087665
Padus UNI M05B/M15-523/A	6087666
Padus UNI M05B/T15-540	6087667
Padus UNI M05B/T25-540	6087669

## Data sheet: Padus UNI M05/M11-523/P

### Materials

Pump housing	PP-GF30
Motor housing	1.4301, X5CrNi18-10
Gasket material	NBR

### Motor data

Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1.10 kW
Rated speed $n$	2899 rpm
Rated current $I_N$	7.20 A
Power factor $\cos \varphi$	0.97
Protection class motor	IP68

### Installation dimensions

Pipe connection on the pressure side <i>RPD</i>	G 2
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### Operating data

Min. fluid temperature $T$	3 °C
Max. fluid temperature $T$	40 °C
Maximum operating pressure $p$	10 bar
Max. immersion depth	7.00 m

### Cable

Cable type	H07RN-F
Cable cross-section	3G1 mm <sup>2</sup>
Connection cable length	10.0 m

### Information for order placements

Net weight, approx. $m$	19 kg
Brand	Wilo
Product description	Padus UNI M05/M11-523/P
Article number	6084801

## Data sheet: Padus UNI M05/M11-523/A

### Materials

Pump housing	PP-GF30
Motor housing	1.4301, X5CrNi18-10
Gasket material	NBR

### Motor data

Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1.10 kW
Rated speed $n$	2899 rpm
Rated current $I_N$	7.20 A
Power factor $\cos \varphi$	0.97
Protection class motor	IP68

### Installation dimensions

Pipe connection on the pressure side <i>RPD</i>	G 2
--	-----

### Operating data

Min. fluid temperature $T$	3 °C
Max. fluid temperature $T$	40 °C
Maximum operating pressure $p$	10 bar
Max. immersion depth	7.00 m

### Cable

Cable type	H07RN-F
Cable cross-section	3G1 mm <sup>2</sup>
Connection cable length	10.0 m

### Information for order placements

Net weight, approx. $m$	19 kg
Brand	Wilo
Product description	Padus UNI M05/M11-523/A
Article number	6084802

## Data sheet: Padus UNI M05/M11-523/VA

### Materials

Pump housing	PP-GF30
Motor housing	1.4301, X5CrNi18-10
Gasket material	NBR

### Motor data

Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1.10 kW
Rated speed $n$	2899 rpm
Rated current $I_N$	7.20 A
Power factor $\cos \varphi$	0.97
Protection class motor	IP68

### Installation dimensions

Pipe connection on the pressure side <i>RPD</i>	G 2
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### Operating data

Min. fluid temperature $T$	3 °C
Max. fluid temperature $T$	40 °C
Maximum operating pressure $p$	10 bar
Max. immersion depth	7.00 m

### Cable

Cable type	H07RN-F
Cable cross-section	3G1 mm <sup>2</sup>
Connection cable length	10.0 m

### Information for order placements

Net weight, approx. $m$	19 kg
Brand	Wilo
Product description	Padus UNI M05/M11-523/VA
Article number	6084803



## Data sheet: Padus UNI M05/T11-540

### Materials

Pump housing	PP-GF30
Motor housing	1.4301, X5CrNi18-10
Gasket material	NBR

### Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1.10 kW
Rated speed $n$	2893 rpm
Rated current $I_N$	2.90 A
Power factor $\cos \varphi$	0.76
Protection class motor	IP68

### Installation dimensions

Pipe connection on the pressure side <i>RPD</i>	G 2
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### Operating data

Min. fluid temperature $T$	3 °C
Max. fluid temperature $T$	40 °C
Maximum operating pressure $p$	10 bar
Max. immersion depth	7.00 m

### Cable

Cable type	H07RN-F
Cable cross-section	6G1 mm <sup>2</sup>
Connection cable length	10.0 m

### Information for order placements

Net weight, approx. $m$	19 kg
Brand	Wilo
Product description	Padus UNI M05/T11-540
Article number	6084804

## Data sheet: Padus UNI M05/T11-540/A

### Materials

Pump housing	PP-GF30
Motor housing	1.4301, X5CrNi18-10
Gasket material	NBR

### Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1.10 kW
Rated speed $n$	2893 rpm
Rated current $I_N$	2.90 A
Power factor $\cos \varphi$	0.76
Protection class motor	IP68

### Installation dimensions

Pipe connection on the pressure side <i>RPD</i>	G 2
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### Operating data

Min. fluid temperature $T$	3 °C
Max. fluid temperature $T$	40 °C
Maximum operating pressure $p$	10 bar
Max. immersion depth	7.00 m

### Cable

Cable type	H07RN-F
Cable cross-section	6G1 mm <sup>2</sup>
Connection cable length	10.0 m

### Information for order placements

Net weight, approx. $m$	22 kg
Brand	Wilo
Product description	Padus UNI M05/T11-540/A
Article number	6084805

## Data sheet: Padus UNI M05/M15-523/P

### Materials

Pump housing	PP-GF30
Motor housing	1.4301, X5CrNi18-10
Gasket material	NBR

### Motor data

Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1.50 kW
Rated speed $n$	2852 rpm
Rated current $I_N$	9.30 A
Power factor $\cos \varphi$	0.98
Protection class motor	IP68

### Installation dimensions

Pipe connection on the pressure side <i>RPD</i>	G 2
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### Operating data

Min. fluid temperature $T$	3 °C
Max. fluid temperature $T$	40 °C
Maximum operating pressure $p$	10 bar
Max. immersion depth	7.00 m

### Cable

Cable type	H07RN-F
Cable cross-section	3G1 mm <sup>2</sup>
Connection cable length	10.0 m

### Information for order placements

Net weight, approx. $m$	19 kg
Brand	Wilo
Product description	Padus UNI M05/M15-523/P
Article number	6084806

## Data sheet: Padus UNI M05/M15-523/A

### Materials

Pump housing	PP-GF30
Motor housing	1.4301, X5CrNi18-10
Gasket material	NBR

### Motor data

Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1.50 kW
Rated speed $n$	2852 rpm
Rated current $I_N$	9.30 A
Power factor $\cos \varphi$	0.98
Protection class motor	IP68

### Installation dimensions

Pipe connection on the pressure side <i>RPD</i>	G 2
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### Operating data

Min. fluid temperature $T$	3 °C
Max. fluid temperature $T$	40 °C
Maximum operating pressure $p$	10 bar
Max. immersion depth	7.00 m

### Cable

Cable type	H07RN-F
Cable cross-section	3G1 mm <sup>2</sup>
Connection cable length	10.0 m

### Information for order placements

Net weight, approx. $m$	19 kg
Brand	Wilo
Product description	Padus UNI M05/M15-523/A
Article number	6084807

## Data sheet: Padus UNI M05/M15-523/VA

### Materials

Pump housing	PP-GF30
Motor housing	1.4301, X5CrNi18-10
Gasket material	NBR

### Motor data

Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1.50 kW
Rated speed $n$	2852 rpm
Rated current $I_N$	9.30 A
Power factor $\cos \varphi$	0.98
Protection class motor	IP68

### Installation dimensions

Pipe connection on the pressure side <i>RPD</i>	G 2
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### Operating data

Min. fluid temperature $T$	3 °C
Max. fluid temperature $T$	40 °C
Maximum operating pressure $p$	10 bar
Max. immersion depth	7.00 m

### Cable

Cable type	H07RN-F
Cable cross-section	3G1 mm <sup>2</sup>
Connection cable length	10.0 m

### Information for order placements

Net weight, approx. $m$	19 kg
Brand	Wilo
Product description	Padus UNI M05/M15-523/VA
Article number	6084808

## Data sheet: Padus UNI M05/T15-540

### Materials

Pump housing	PP-GF30
Motor housing	1.4301, X5CrNi18-10
Gasket material	NBR

### Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1.50 kW
Rated speed $n$	2850 rpm
Rated current $I_N$	3.60 A
Power factor $\cos \varphi$	0.84
Protection class motor	IP68

### Installation dimensions

Pipe connection on the pressure side <i>RPD</i>	G 2
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### Operating data

Min. fluid temperature $T$	3 °C
Max. fluid temperature $T$	40 °C
Maximum operating pressure $p$	10 bar
Max. immersion depth	7.00 m

### Cable

Cable type	H07RN-F
Cable cross-section	6G1 mm <sup>2</sup>
Connection cable length	10.0 m

### Information for order placements

Net weight, approx. $m$	19 kg
Brand	Wilo
Product description	Padus UNI M05/T15-540
Article number	6084809

## Data sheet: Padus UNI M05/T15-540/A

### Materials

Pump housing	PP-GF30
Motor housing	1.4301, X5CrNi18-10
Gasket material	NBR

### Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1.50 kW
Rated speed $n$	2850 rpm
Rated current $I_N$	3.60 A
Power factor $\cos \varphi$	0.84
Protection class motor	IP68

### Installation dimensions

Pipe connection on the pressure side <i>RPD</i>	G 2
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### Operating data

Min. fluid temperature $T$	3 °C
Max. fluid temperature $T$	40 °C
Maximum operating pressure $p$	10 bar
Max. immersion depth	7.00 m

### Cable

Cable type	H07RN-F
Cable cross-section	6G1 mm <sup>2</sup>
Connection cable length	10.0 m

### Information for order placements

Net weight, approx. $m$	22 kg
Brand	Wilo
Product description	Padus UNI M05/T15-540/A
Article number	6084810

## Data sheet: Padus UNI M05/T25-540

### Materials

Pump housing	PP-GF30
Motor housing	1.4301, X5CrNi18-10
Gasket material	NBR

### Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	2.50 kW
Rated speed $n$	2848 rpm
Rated current $I_N$	5.50 A
Power factor $\cos \varphi$	0.84
Protection class motor	IP68

### Installation dimensions

Pipe connection on the pressure side <i>RPD</i>	G 2
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### Operating data

Min. fluid temperature $T$	3 °C
Max. fluid temperature $T$	40 °C
Maximum operating pressure $p$	10 bar
Max. immersion depth	7.00 m

### Cable

Cable type	H07RN-F
Cable cross-section	6G1 mm <sup>2</sup>
Connection cable length	10.0 m

### Information for order placements

Net weight, approx. $m$	24 kg
Brand	Wilo
Product description	Padus UNI M05/T25-540
Article number	6084811



## Data sheet: Padus UNI M05/T25-540/A

### Materials

Pump housing	PP-GF30
Motor housing	1.4301, X5CrNi18-10
Gasket material	NBR

### Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	2.50 kW
Rated speed $n$	2848 rpm
Rated current $I_N$	5.50 A
Power factor $\cos \varphi$	0.84
Protection class motor	IP68

### Installation dimensions

Pipe connection on the pressure side <i>RPD</i>	G 2
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### Operating data

Min. fluid temperature $T$	3 °C
Max. fluid temperature $T$	40 °C
Maximum operating pressure $p$	10 bar
Max. immersion depth	7.00 m

### Cable

Cable type	H07RN-F
Cable cross-section	6G1 mm <sup>2</sup>
Connection cable length	10.0 m

### Information for order placements

Net weight, approx. $m$	26 kg
Brand	Wilo
Product description	Padus UNI M05/T25-540/A
Article number	6084812

## Data sheet: Padus UNI M05/T25-540 2"1/2 KIT

### Materials

Pump housing	PP-GF30
Motor housing	1.4301, X5CrNi18-10
Gasket material	NBR

### Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	2.50 kW
Rated speed $n$	2848 rpm
Rated current $I_N$	5.50 A
Power factor $\cos \varphi$	0.84
Protection class motor	IP68

### Installation dimensions

Pipe connection on the pressure side <i>RPD</i>	G 2
--	-----

### Operating data

Min. fluid temperature $T$	3 °C
Max. fluid temperature $T$	40 °C
Maximum operating pressure $p$	10 bar
Max. immersion depth	7.00 m

### Cable

Cable type	H07RN-F
Cable cross-section	6G1 mm <sup>2</sup>
Connection cable length	10.0 m

### Information for order placements

Net weight, approx. $m$	24 kg
Brand	Wilo
Product description	Padus UNI M05/T25-540 2"1/2 KIT
Article number	6084815

## Data sheet: Padus UNI M05/T25-540/A 2"1/2 KIT

### Materials

Pump housing	PP-GF30
Motor housing	1.4301, X5CrNi18-10
Gasket material	NBR

### Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	2.50 kW
Rated speed $n$	2848 rpm
Rated current $I_N$	5.50 A
Power factor $\cos \varphi$	0.84
Protection class motor	IP68

### Installation dimensions

Pipe connection on the pressure side <i>RPD</i>	G 2
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### Operating data

Min. fluid temperature $T$	3 °C
Max. fluid temperature $T$	40 °C
Maximum operating pressure $p$	10 bar
Max. immersion depth	7.00 m

### Cable

Cable type	H07RN-F
Cable cross-section	6G1 mm <sup>2</sup>
Connection cable length	10.0 m

### Information for order placements

Net weight, approx. $m$	26 kg
Brand	Wilo
Product description	Padus UNI M05/T25-540/A 2"1/2 KIT
Article number	6084816

## Data sheet: Padus UNI M05B/M11-523/A

### Materials

Pump housing	PP-GF30
Motor housing	1.4401, X5CrNiMo17-12-2
Gasket material	NBR

### Motor data

Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1.10 kW
Rated speed $n$	2899 rpm
Rated current $I_N$	7.20 A
Power factor $\cos \varphi$	0.97
Protection class motor	IP68

### Installation dimensions

Pipe connection on the pressure side <i>RPD</i>	G 2
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### Operating data

Min. fluid temperature $T$	3 °C
Max. fluid temperature $T$	40 °C
Maximum operating pressure $p$	10 bar
Max. immersion depth	7.00 m

### Cable

Cable type	H07RN-F
Cable cross-section	3G1 mm <sup>2</sup>
Connection cable length	10.0 m

### Information for order placements

Net weight, approx. $m$	19 kg
Brand	Wilo
Product description	Padus UNI M05B/M11-523/A
Article number	6087664

## Data sheet: Padus UNI M05B/T11-540

### Materials

Pump housing	PP-GF30
Motor housing	1.4401, X5CrNiMo17-12-2
Gasket material	NBR

### Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1.10 kW
Rated speed $n$	2893 rpm
Rated current $I_N$	2.90 A
Power factor $\cos \varphi$	0.76
Protection class motor	IP68

### Installation dimensions

Pipe connection on the pressure side <i>RPD</i>	G 2
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### Operating data

Min. fluid temperature $T$	3 °C
Max. fluid temperature $T$	40 °C
Maximum operating pressure $p$	10 bar
Max. immersion depth	7.00 m

### Cable

Cable type	H07RN-F
Cable cross-section	6G1 mm <sup>2</sup>
Connection cable length	10.0 m

### Information for order placements

Net weight, approx. $m$	19 kg
Brand	Wilo
Product description	Padus UNI M05B/T11-540
Article number	6087665

## Data sheet: Padus UNI M05B/M15-523/A

### Materials

Pump housing	PP-GF30
Motor housing	1.4401, X5CrNiMo17-12-2
Gasket material	NBR

### Motor data

Mains connection	1~230 V, 50 Hz
Rated power $P_2$	1.50 kW
Rated speed $n$	2852 rpm
Rated current $I_N$	9.30 A
Power factor $\cos \varphi$	0.98
Protection class motor	IP68

### Installation dimensions

Pipe connection on the pressure side <i>RPD</i>	G 2
--	-----

### Operating data

Min. fluid temperature $T$	3 °C
Max. fluid temperature $T$	40 °C
Maximum operating pressure $p$	10 bar
Max. immersion depth	7.00 m

### Cable

Cable type	H07RN-F
Cable cross-section	3G1 mm <sup>2</sup>
Connection cable length	10.0 m

### Information for order placements

Net weight, approx. $m$	19 kg
Brand	Wilo
Product description	Padus UNI M05B/M15-523/A
Article number	6087666

## Data sheet: Padus UNI M05B/T15-540

### Materials

Pump housing	PP-GF30
Motor housing	1.4401, X5CrNiMo17-12-2
Gasket material	NBR

### Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	1.50 kW
Rated speed $n$	2850 rpm
Rated current $I_N$	3.60 A
Power factor $\cos \varphi$	0.84
Protection class motor	IP68

### Installation dimensions

Pipe connection on the pressure side <i>RPD</i>	G 2
--	-----

### Operating data

Min. fluid temperature $T$	3 °C
Max. fluid temperature $T$	40 °C
Maximum operating pressure $p$	10 bar
Max. immersion depth	7.00 m

### Cable

Cable type	H07RN-F
Cable cross-section	6G1 mm <sup>2</sup>
Connection cable length	10.0 m

### Information for order placements

Net weight, approx. $m$	19 kg
Brand	Wilo
Product description	Padus UNI M05B/T15-540
Article number	6087667

## Data sheet: Padus UNI M05B/T25-540

### Materials

Pump housing	PP-GF30
Motor housing	1.4401, X5CrNiMo17-12-2
Gasket material	NBR

### Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	2.50 kW
Rated speed $n$	2848 rpm
Rated current $I_N$	5.50 A
Power factor $\cos \varphi$	0.84
Protection class motor	IP68

### Installation dimensions

Pipe connection on the pressure side <i>RPD</i>	G 2
--	-----

### Operating data

Min. fluid temperature $T$	3 °C
Max. fluid temperature $T$	40 °C
Maximum operating pressure $p$	10 bar
Max. immersion depth	7.00 m

### Cable

Cable type	H07RN-F
Cable cross-section	6G1 mm <sup>2</sup>
Connection cable length	10.0 m

### Information for order placements

Net weight, approx. $m$	24 kg
Brand	Wilo
Product description	Padus UNI M05B/T25-540
Article number	6087669