

Pioneering for You

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Information for operators

Wilo-Padus PRO

Reliable excavation drainage.





Is your construction site also standing idle? Stay on the safe side with Wilo-Padus PRO.

Expensive periods of downtime and incalculable, high operating costs are a thing of the past with Wilo-Padus PRO.

Submersible drainage pumps are subject to enormous loads caused by abrasive fluids when draining excavations. As a result, pump performance constantly decreases, and energy consumption increases. In the worst case scenario, the water is no longer completely drained. This can result in delays or even stop the construction works.

The powerful Wilo-Padus PRO fitted with IE3 motor provides a high level of reliability thanks to its robust design with rubber-coated hydraulics and impeller made of hardened chrome steel. The active cooling system enables reliable continuous duty, particularly in slurping operation.

It can be used flexibly thanks to its low weight and flexible discharge connection. Quick access to the most important components also simplifies commissioning and maintenance.

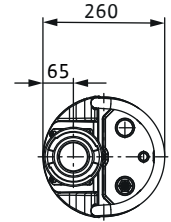
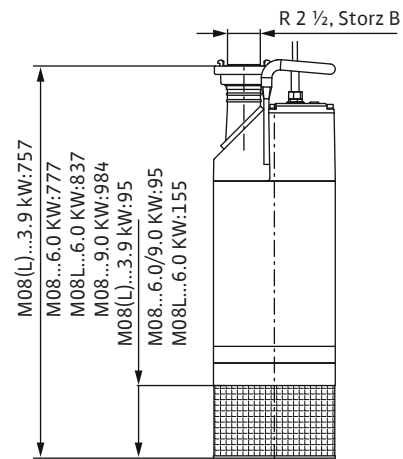
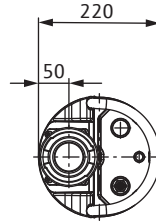
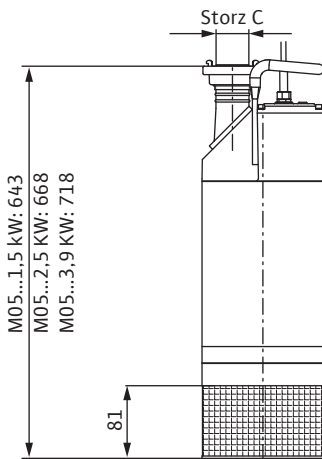
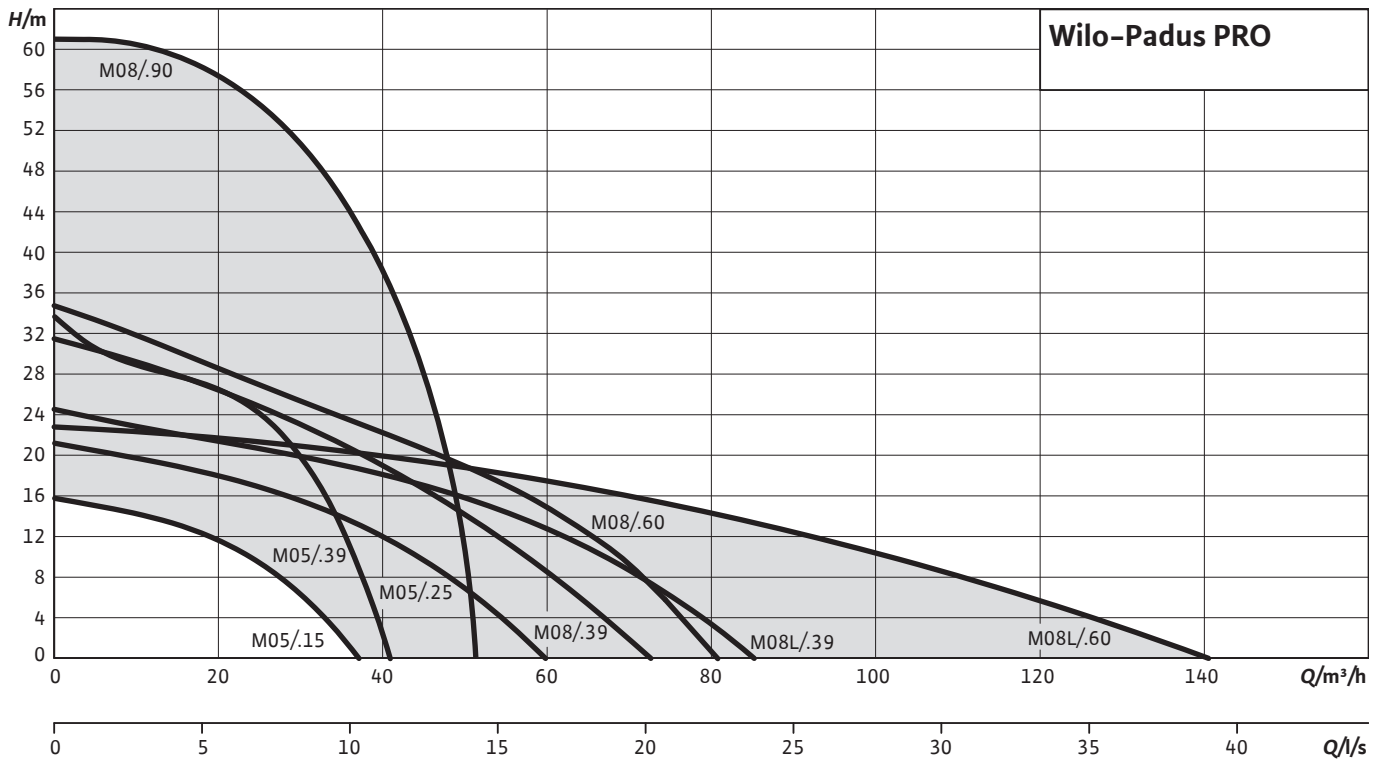


Type key

Example: Wilo-Padus PRO M08L/T039-540/A

Padus	Submersible drainage pump with centrifugal hydraulics
PRO	Series for construction site use
M	Multi-channel impeller
08	Nominal diameter of discharge connection
L	Low-pressure version
T	Mains connection version: M = 1~ T = 3~
039	Value/10 = motor power P_2 in kW
5	Frequency (5 = 50 Hz, 6 = 60 Hz)
40	Rated voltage code
A	Electrical version: A = float switch and plug P = plug O = bare cable end

Technical data	
Equipment/performance	Wilo-Padus PRO ...
Temperature	
Min. fluid temperature T	3 °C
Max. fluid temperature T	40 °C
Min. ambient temperature T	3 °C
Max. ambient temperature T	40 °C
Motor	
Mains connection	3~400 V, 50 Hz; M05 also in 1~230 V, 50 Hz
Voltage tolerance	±10 %
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency t	20 1/h
Insulation class	H
Motor protection class	IP68
Max. immersion depth	20.00 m
Motor design	Motor with sheath flow cooling
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Cable	
Connection cable length	23.0 m
Cable type	H07RN-F
Equipment/function	
Type of explosion protection	no
Motor protection	Bimetallic strip
Motor leakage detection	no
Sealing chamber leakage detection	no
Leakage chamber leakage detection	no
Float switch	Version A
Materials	
Pump housing	AlSi10Mg(a)
Impeller	1.4470
Shaft	1.4401
Seal on pump side	SiC/SiC
Seal on the motor side	C/MgSi
Gasket material	NBR
Motor housing	AlSi10Mg(a)



Wilo-Padus PRO	M05/T015-540/..	M05/T025-540/..	M05/T039-540/..	M08L/T039-540/..	M08/T039-540/..	M08L/T060-540/..	M08/T060-540/..	M08/T090-540/..
Hydraulic data								
Maximum operating pressure P_N	2 bar	2.5 bar	3.5 bar	3 bar	4 bar	3 bar	3.5 bar	6.5 bar
Optimum delivery head H_{opt}	11.74 mWG	14.43 mWG	25.04 mWG	14.86 mWG	20.28 mWG	15.33 mWG	20.36 mWG	49.7 mWG
Optimum volume flow Q_{opt}	19.58 m³/h	33.39 m³/h	23.28 m³/h	53.45 m³/h	37.01 m³/h	74.01 m³/h	45.82 m³/h	30.2 m³/h
Motor data								
Rated power P_2	1.50 kW	2.50 kW	3.90 kW	3.90 kW	3.90 kW	6.00 kW	6.00 kW	9.00 kW
Power consumption $P_{1,max}$	1.81 kW	3.05 kW	4.60 kW	4.60 kW	4.60 kW	6.90 kW	6.90 kW	10.2 kW
Rated current I_N	3.15 A	5.10 A	7.80 A	7.80 A	7.80 A	11.60 A	11.60 A	17.2 A
Starting current I	23 A	30 A	52 A	52 A	52 A	90 A	90 A	171 A
Information for order placements								
Net weight approx.	32 kg	35 kg	39 kg	53 kg	53 kg	69 kg	69 kg	107 kg
Article number								
Version ..P	6087512	6087515	6087933	6083440	6083436	6084030	6083438	6089788
Version ..A	6087513	6087516	6087934	6083441	6083437	6084031	6083439	6089787

The 1.5 kW model is also available with single-phase current (M05/M015-523/P & ..A). All three-phase current pumps are also available in a version without float switch or plug.

You can find all types with an article number online at www.wilo.com.



REDUCES PERIODS OF DOWNTIME

- High level of reliability in abrasive fluids thanks to rubber-coated hydraulics and an impeller made of hardened chrome steel
- Active cooling for reliable continuous duty, particularly in slurping operation
- Maximum operational reliability thanks to integrated protection function
- Easy maintenance thanks to quick access to wearing parts

FLEXIBLE APPLICATION

- Easy installation thanks to low weight and flexible discharge connection (vertical/horizontal)
- Convenient handling thanks to 23 m long connection cable

PERFECTLY SUITED TO

- Excavation drainage
- Emergency operations and disaster control
- Dewatering as well as irrigation and drainage in industry, mining and excavation work

Flexible connection options for various applications:

FOR A FIXED INSTALLATION:

Version "O"

- Connection cable with bare cable end – direct connection to the switchgear with permanent wiring
- Wires for thermal motor monitoring routed to the outside
- Version suitable for connection to the soft starter and frequency converter



FOR A MOBILE INSTALLATION:

Version "P" and "A"

- Attached motor protection plug for easy connection in the construction power distributor
- Operationally reliable thanks to integrated monitoring functions:
 - Phase testing
 - phase inversion via phase inverter
 - Overload – motor protection relay for monitoring the current consumption
 - Thermal motor monitoring

Version "A"

- Attached float switch – simple level detection for automatic activation and deactivation of the pump

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Subject to technical changes without prior notice.