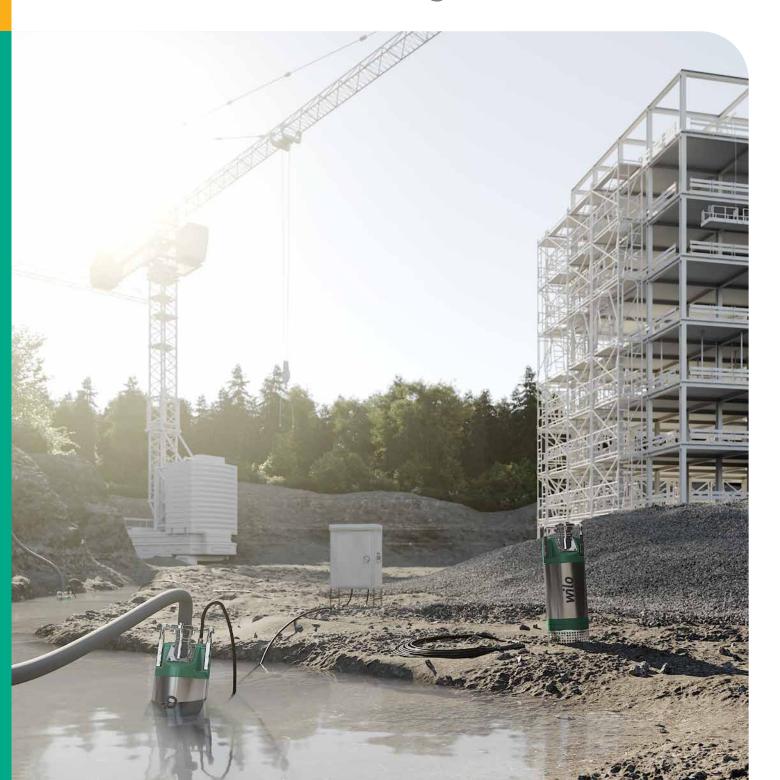


Information for operators

## 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.

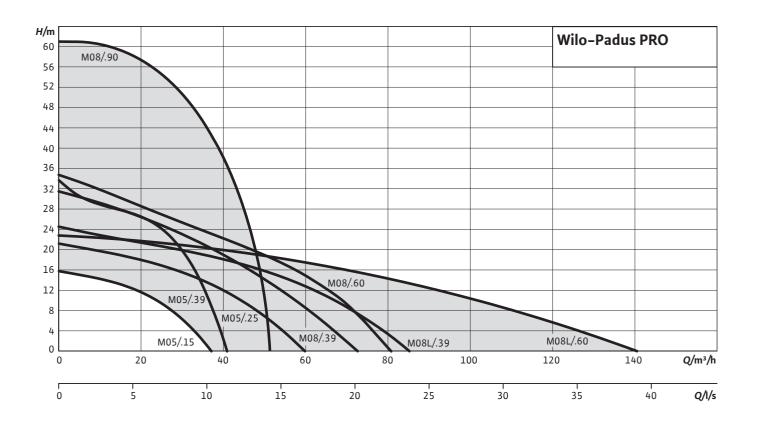


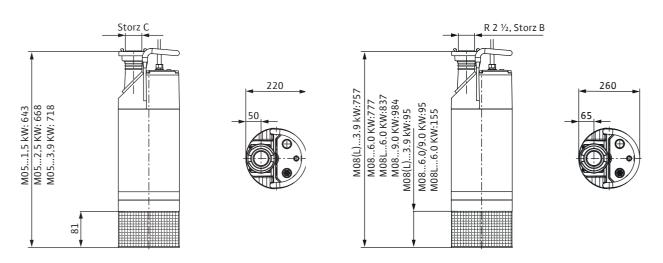
### Type key

Wilo-Padus PRO M08L/T039-540/A
Submersible drainage pump with
centrifugal hydraulics
Series for construction site use
Multi-channel impeller
Nominal diameter of discharge
connection
Low-pressure version
Mains connection version:
M = 1~
T = 3~
$Value/10 = motor power P_2 in kW$
Frequency (5 = 50 Hz, $6 = 60 \text{ Hz}$ )
Rated voltage code
Electrical version:
A = float switch and plug
P = plug

O = bare cable end

Ain. fluid temperature T  Alax. fluid temperature T  Alax. fluid temperature T  Alax. ambient (BOL)  Alax. ambient (BOL)  Alax. switching frequency t  Alax. swit	Equipment/performance	Wilo-Padus PRO
Asx. fluid temperature T  Ain. ambient temperature T  Action. ambient temperature T  Action. ambient temperature T  Action. Ask. ambient also in 1–230 V, 50 Hz  Activation type  Direct online (DOL)  Action. Ask. switching frequency t  20 1/h  H  Action. Ask. ambient flow cooling  Acti	Temperature	
Anin. ambient temperature T  Anotor  Mains connection  Anotor  Mains connection  Anotor  Mains connection  Anotor  Motage tolerance  \$\frac{\text{\$\text{\$\text{\$\text{\$40}\$ V, 50 Hz;}}}{\$\text	Min. fluid temperature T	3 °C
Asx. ambient temperature T  Afotor  Mains connection  3-400 V, 50 Hz; M05 also in 1-230 V, 50 Hz  Motage tolerance  ±10 %  Activation type  Direct online (DOL)  Asx. switching frequency t  Asx. switching frequency t  Activation class  H  Activation class  Activation class  H  Activation class  H  Activation class  H  Activation class  Activation	Max. fluid temperature T	40 °C
Mains connection  Mains connection  Mains connection  Mos also in 1~230 V, 50 Hz; M05 also in 1~230 V, 50 Hz  Motor priect online (DOL)  Mumber of poles  Max. switching frequency t  Motor protection class  Motor protection class  Motor with sheath flow cooling  Motor protection  Notor protection  Motor protection  Notor protection  Motor protection  Motor protection  Motor protection  Motor protection  Motor protection  Motor protection  Notor protection  Motor protection  Motor protection  Notor protection  Motor protection  Notor prot	Min. ambient temperature T	3 ℃
Adains connection  3-400 V, 50 Hz; M05 also in 1~230 V, 50 Hz  Activation type  Direct online (DOL)  Aumber of poles  Ax. switching frequency t  Ax. switchi	Max. ambient temperature T	40 °C
M05 also in 1~230 V, 50 Hz  #20 Max switching frequency t  Max switching frequency t  Motor protection class  Max. immersion depth  Motor design  Motor with sheath flow cooling  Departing mode (immersed)  Departing mode (non-immersed)  Sable  Connection cable length  Sable type  HO7RN-F  Siquipment/function  Motor protection  Motor protection  Motor protection  Motor with sheath flow cooling  Sable  Connection cable length  Cable type  HO7RN-F  Siquipment/function  Motor protection  Motor protection  Motor protection  Motor protection  Motor leakage detection  Motor leakage  Motor with sheath flow cooling  Motor with she	Motor	
Activation type  Jumber of poles  Axx. switching frequency t  Axx. switching frequency	Mains connection	
Aux. switching frequency t  Aux. insulation class  Aux. immersion depth  Aux. immersio	Voltage tolerance	±10 %
Max. switching frequency t  Ansulation class  Motor protection class  Motor protection depth  Ansulation depth  Ansulation design  Motor with sheath flow cooling  Ansulating mode (immersed)  Ansulat	Activation type	Direct online (DOL)
Actor protection class  Asx. immersion depth  Actor design	Number of poles	2
Motor protection class  Max. immersion depth  Motor design  Motor with sheath flow cooling Operating mode (immersed)  S1  Cable  Connection cable length  Cable type  HOTRN-F  Capipment/function  Motor protection  Motor protection  Motor protection  Motor protection  Motor leakage detection  Realing chamber leakage detection  Reakage chamber leakage detection  Roll at switch  Materials  Pump housing  Materials  Pump housing  Materials  Pump housing  Motor leakage Material  Alsi10Mg(a)  1.4470  1.4401  Siacket material  NBR	Max. switching frequency t	20 1/h
Max. immersion depth  Motor design  Motor with sheath flow cooling Operating mode (immersed)  S1  Operating mode (non-immersed)  S1  Cable  Connection cable length  Cable type  H07RN-F  Ciquipment/function  Motor protection  Motor protection  Motor leakage detection  Incolumn and the motor side  Materials  Pump housing  Materials  Caple type  Alsi10Mg(a)  1.4470  1.4401  Siacket material  NBR	Insulation class	Н
Motor design  Motor with sheath flow cooling Operating mode (immersed)  S1  Cable Connection cable length Cable type Connection Conn	Motor protection class	IP68
Operating mode (immersed)  Operating mode (non-immersed)  Sable  Connection cable length  Cable type  Connection of the length  Cable type  HO7RN-F  Cauling ment/function  Type of explosion protection  Motor protection  Motor protection  Motor leakage detection  Realing chamber leakage detection  Reakage chamber leakage detection  Road switch  Materials  Cump housing  MalSi10Mg(a)  The protection  Materials  Cump housing  MalSi10Mg(a)  The protection  Reakage on pump side  SiC/SiC  Sical on the motor side  C/MgSi  Siasket material  NBR	Max. immersion depth	20.00 m
Departing mode (non-immersed)  Sable  Connection cable length  Cable type  Connection Cable length  Cable type  HO7RN-F  Capipment/function  Consider a co	Motor design	Motor with sheath flow cooling
Cable Connection cable length Connection cable length Cable type Caupiment/function Capie of explosion protection Control prote	Operating mode (immersed)	S1
connection cable length 23.0 m  cable type H07RN-F  cquipment/function  Type of explosion protection no  Motor protection Bimetallic strip  Motor leakage detection no  dealing chamber leakage detection no  leakage chamber leakage detection no  loat switch Version A  Materials  Tump housing AlSi10Mg(a)  mpeller 1.4470  chaft 1.4401  deal on pump side SiC/SiC  deal on the motor side C/MgSi  disasket material NBR	Operating mode (non-immersed)	S1
Cable type H07RN-F  Ciquipment/function  Cype of explosion protection no  Motor protection Bimetallic strip  Motor leakage detection no  Realing chamber leakage detection no  Realing c	Cable	
Additional sequipment/function  Type of explosion protection  Motor protection  Motor protection  Motor leakage detection	Connection cable length	23.0 m
Adsinom Motor protection no mo motor protection no mo motor protection no mo motor protection no mo motor leakage detection no motor leakage chamber leakage detection no motor loat switch Version A motor loat switch Version A motor leakage detection no motor loat switch version A motor leakage detection no motor loat switch version A motor leakage detection no motor loat switch version A motor leakage detection no motor loat switch version A motor leakage detection no motor loat switch version A motor leakage detection no motor leakage chamber leakage chamber leakage detection no motor leakage chamber leakage chamber leakage chamber leakage chamber leakage chamber leakage chamber leakage detection no motor leakage chamber leakage chambe	Cable type	H07RN-F
Motor protection Bimetallic strip Motor leakage detection no leakage chamber leakage detection no leakage chamber leakage detection no loat switch Version A  Materials  Tump housing AlSi10Mg(a) Impeller 1.4470 Ichaft 1.4401 Iceal on pump side SiC/SiC Iceal on the motor side C/MgSi Ichasket material NBR	Equipment/function	
Motor leakage detection no nealing chamber leakage detection no leakage chamber leakage detection no loat switch Version A  Materials lump housing AlSi10Mg(a) Impeller 1.4470 Inhaft 1.4401 Inhaft Sic/Sic Inhaft Sic/Sic Inhaft Sic/Sic Inhaft NBR	Type of explosion protection	no
lealing chamber leakage detection no leakage chamber leakage detection no loat switch Version A  Aterials  Pump housing AlSi10Mg(a) Inpeller 1.4470 Inhaft 1.4401 Inhaft Sic/SiC Inhaft Sic/SiC Inhaft Sic/SiC Inhaft NBR	Motor protection	Bimetallic strip
reakage chamber leakage detection no  loat switch Version A  Materials  rump housing AlSi10Mg(a)  mpeller 1.4470  chaft 1.4401  seal on pump side SiC/SiC  seal on the motor side C/MgSi  sasket material NBR	Motor leakage detection	no
Roat switch Version A  Materials  Pump housing AlSi10Mg(a)  Impeller 1.4470  Inhaft 1.4401  Island on pump side SiC/SiC  Island on the motor side C/MgSi  Island on NBR	Sealing chamber leakage detection	no
Materials Pump housing AlSi10Mg(a) Impeller 1.4470 Inhaft 1.4401 Inhaft SiC/SiC Inhaft Compump side SiC/SiC Inhaft Compump side Compump side NBR	Leakage chamber leakage detection	no
tump housing AlSi10Mg(a)  mpeller 1.4470  shaft 1.4401  seal on pump side SiC/SiC  seal on the motor side C/MgSi sasket material NBR	Float switch	Version A
mpeller 1.4470  chaft 1.4401  deal on pump side SiC/SiC  deal on the motor side C/MgSi  disasket material NBR	Materials	
chaft 1.4401  leal on pump side SiC/SiC  leal on the motor side C/MgSi  liasket material NBR	Pump housing	AlSi10Mg(a)
ieal on pump side SiC/SiC ieal on the motor side C/MgSi isasket material NBR	Impeller	1.4470
ieal on the motor side C/MgSi iasket material NBR	Shaft	1.4401
iasket material NBR	Seal on pump side	SiC/SiC
	Seal on the motor side	C/MgSi
Notor housing AlSi10Mg(a)	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 <i>PN</i>	2 bar	2.5 bar	3.5 bar	3 bar	4 bar	3 bar	3.5 bar	6.5 bar
Optimum delivery head H <sub>opt</sub>	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 <sub>2</sub>	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 <sub>1 max</sub>	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 <sub>N</sub>	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 Version/A	6087512 6087513	6087515 6087516	6087933 6087934	6083440 6083441	6083436 6083437	6084030 6084031	6083438 6083439	6089788 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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