

Wilo-HiPeri





Your advantages

- > Easy handling due to its light weight, perfect for continuous operation
- > Brass impeller for fluids up to 60 °C and ambient temperatures up to 40 °C
- > Efficiently thanks to low power consumption with high maximum delivery head and high maximum volume flow
- > Up to 7 m negative suction head
- > Expandable with electronic control of pumps Wilo-HiControl 1

Recommended services



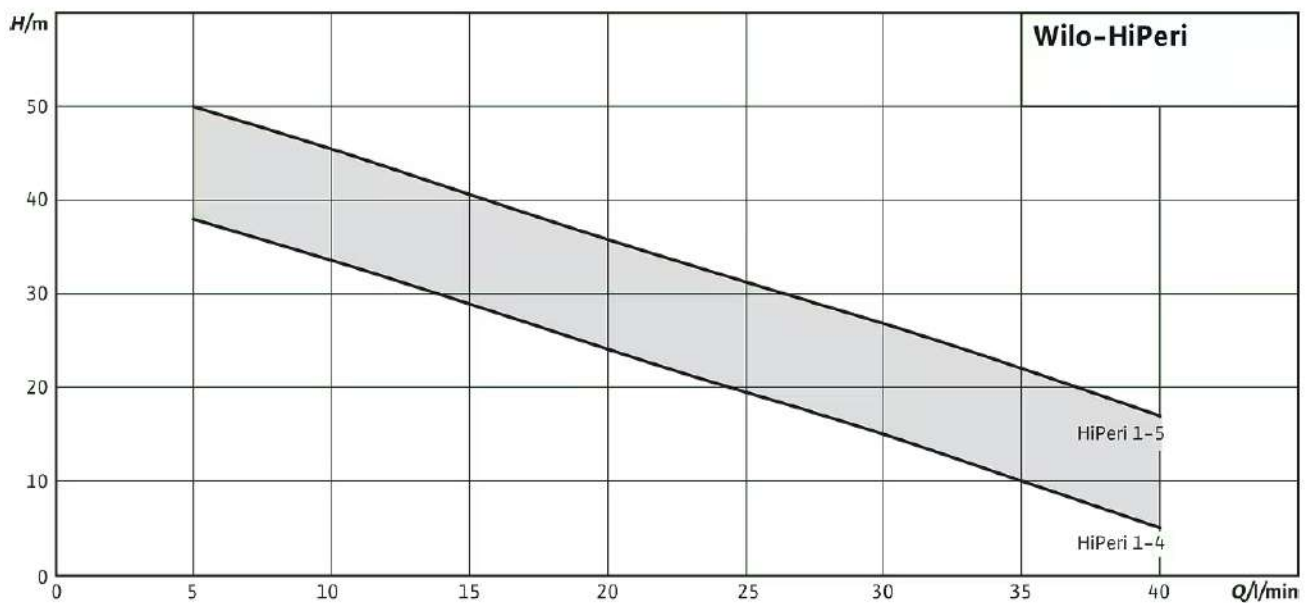
Maintenance



Commissioning



WiloCare



Design

Non-self-priming peripheral pump

Application

- > Water distribution/boosting
- > Raw water intake
- > Sprinkling and spraying
- > Rainwater utilisation

Typekey

Example **HiPeri 1-4**
 HiPeri peripheral pump
 1 Entry range
 4 Max. delivery head (40m)

Technical data

- > Max. fluid temperature: 60 °C
- > Ambient temperature: 40 °C
- > Max. operating pressure: 6.5 bar
- > Permanent or intermittent operation
- > Max. connections per hour: 20
- > Suction head: up to 8m
- > Insulation class: 155 (F)
- > Protection class: IPX4
- > Sound-pressure level: LpA < 70dBA

Materials

- > Pump housing made of grey cast iron EN- GJL 200
- > Lantern/motor bearing aluminium with brass inserts
- > Impeller brass CW617N
- > Shaft 1.4305 stainless steel
- > O-rings nitrile (NBR)
- > Mechanical seal made of carbon/ceramic/NBR

Scope of delivery

- > Pump
- > Installation and operating instructions

Accessories

- > Wilo-Fluidcontrol FC
- > Wilo-Fluidcontrol EK (with power cable for the mains connection and connection cable between pump control and pump)

Product list

Product description	Article number
HiPeri 1-4	4186197
HiPeri 1-5	4186198



Similar to figure

Data sheet

Hydraulic data

Maximum operating pressure P_N	7 bar
Discharge port	Rp 1
Min. fluid temperature T_{min}	5 °C
Max. fluid temperature T_{max}	60 °C
Min. ambient temperature T_{min}	5 °C
Max. ambient temperature T_{max}	40 °C

Motor data

Mains connection	1~230 V, 50 Hz
Voltage tolerance	±10 %
Shaft power P_2 (Q=max.) of selected impeller * number of pumps <i>NO VALUE</i>	370 W
Rated power P_2	0.37 kW
Rated current I_N	2.5 A
Rated speed n	2900 1/min
Insulation class	F
Protection class	X4

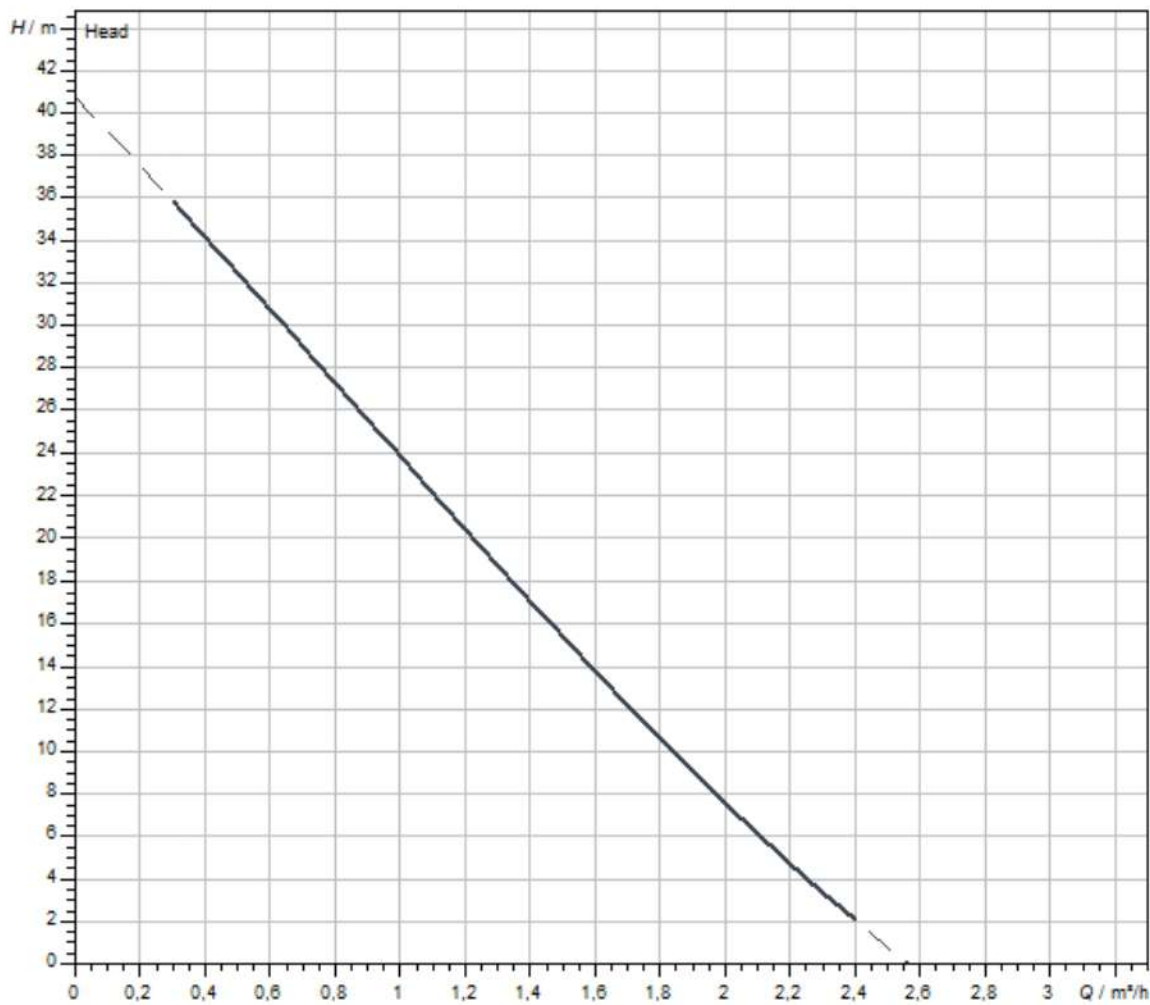
Materials

Pump housing	Grey cast iron
Impeller	Brass, CW617N
Shaft	Stainless steel
Shaft seal	BVPFF
Gasket material	NBR

Installation dimensions

Pipe connection on the suction side DNs	Rp 1
Pipe connection on the discharge side DNd	Rp 1

Pump curves



Ordering information**Product data**

Brand	Wilo
Product description	HiPeri 1-4
Article number	4186197 
EAN number	4048482385129
Colour	Green
Minimum order quantity	1
Date of sales availability	2014-09-01

Packaging

Packaging type	Cardboard box
Packaging property	Sales packaging
Pieces per pallet	240
Number per layer	30

Dimension, weight

Length with packaging	226 mm
Length <i>L</i>	207 mm
Height with packaging	166 mm
Height <i>H</i>	145 mm
Width with packaging	132 mm
Width <i>W</i>	118 mm
Gross weight, approx. <i>m</i>	5.2 kg
Net weight, approx. <i>m</i>	5 kg

Tender text

Non self-priming cast iron peripheral pumps with brass impellers and low energy consumption, well-equipped for use in homes and buildings.

The delivery head and pumping characteristics of these two affordable pumps are perfectly tailored to domestic

needs.

Applications

- > Domestic water supply
- > Irrigation
- > Rainwater utilisation

Operating Data

Product data

Maximum operating pressure P_N	7 bar
Min. fluid temperature T_{min}	5 °C
Max. fluid temperature T_{max}	60 °C
Max. ambient temperature T_{max}	40 °C

Motor data

Mains connection	1~230 V, 50 Hz
Voltage tolerance	±10 %
Rated power P_2	0.37 kW
Rated current I_N	2.5 A
Rated speed n	2900 1/min
Insulation class	F
Protection class	X4

Materials

Pump housing	Grey cast iron
Impeller	Brass, CW617N
Shaft	Stainless steel
Shaft seal	BVPFF
Gasket material	NBR

Installation dimensions

Pipe connection on the suction side D_Ns	Rp 1
Pipe connection on the discharge side D_Nd	Rp 1

Ordering information

Brand	Wilo
Product description	HiPeri 1-4
Net weight, approx. m	5 kg
Article number	4186197 

Electrical accessories

Pump control/accessories

Low-water cut-out switchgear kit for domestic water systems

low-water cut-out switchgear kit WMS G 1¼	4204510
low-water cut-out switchgear kit WMS G2	4204512



Similar to figure

Data sheet

Hydraulic data

Maximum operating pressure P_N	7 bar
Discharge port	Rp 1
Min. fluid temperature T_{min}	5 °C
Max. fluid temperature T_{max}	60 °C
Min. ambient temperature T_{min}	5 °C
Max. ambient temperature T_{max}	40 °C

Motor data

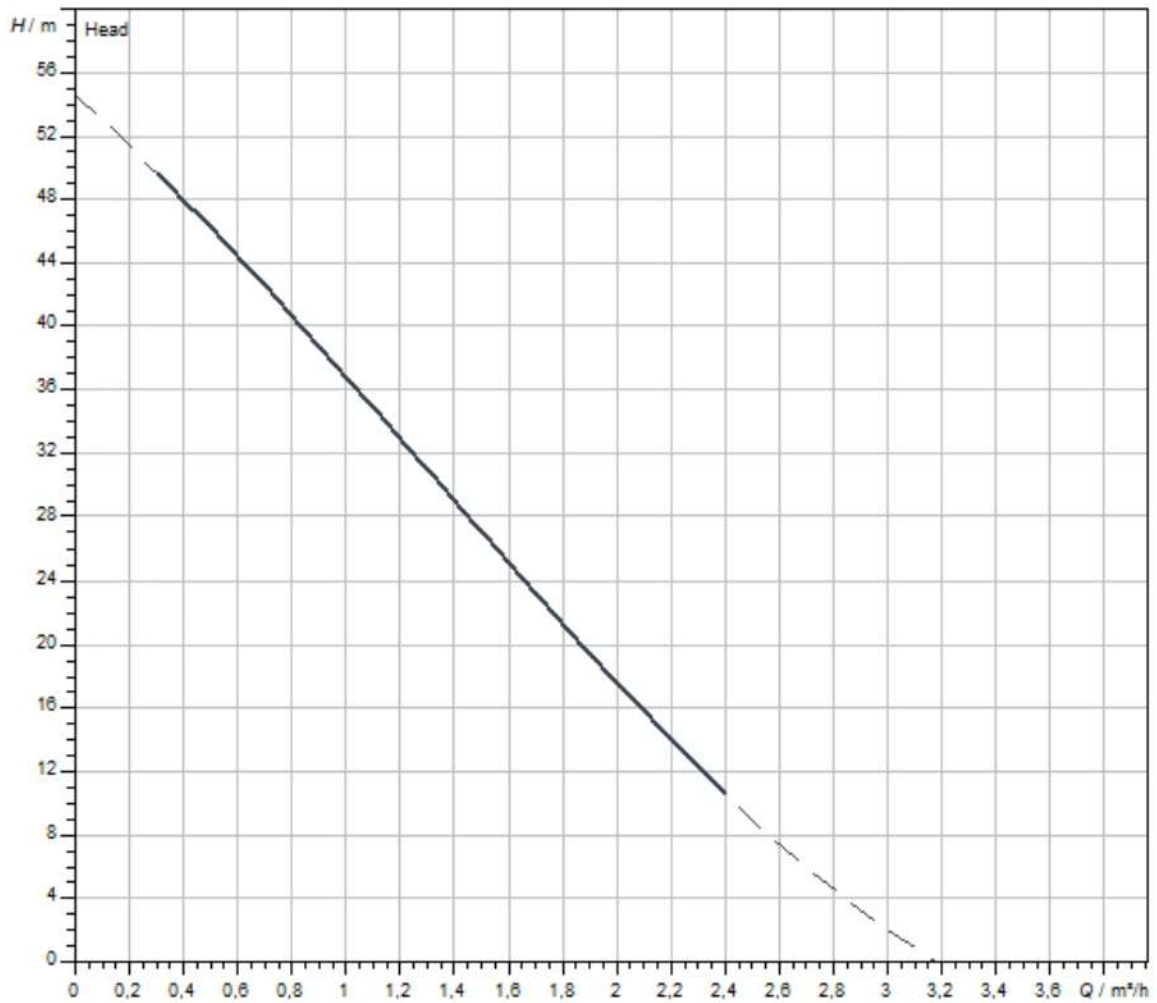
Mains connection	1~230 V, 50 Hz
Voltage tolerance	±10 %
Shaft power P_2 (Q=max.) of selected impeller * number of pumps <i>NO VALUE</i>	550 W
Rated power P_2	0.55 kW
Rated current I_N	3.7 A
Rated speed n	2900 1/min
Insulation class	F
Protection class	X4

Materials

Pump housing	Grey cast iron
Impeller	Brass, CW617N
Shaft	Stainless steel
Shaft seal	BVPFF
Gasket material	NBR

Installation dimensions

Pipe connection on the suction side DNs	Rp 1
Pipe connection on the discharge side DNd	Rp 1

Pump curves

Ordering information**Product data**

Brand	Wilo
Product description	HiPeri 1-5
Article number	4186198 
EAN number	4048482385136
Colour	Green
Minimum order quantity	1
Date of sales availability	2010-01-01

Packaging

Packaging type	Cardboard box
Packaging property	Sales packaging
Pieces per pallet	189
Number per layer	27

Dimension, weight

Length with packaging	259 mm
Length <i>L</i>	232 mm
Height with packaging	173 mm
Height <i>H</i>	152 mm
Width with packaging	135 mm
Width <i>W</i>	118 mm
Gross weight, approx. <i>m</i>	6.6 kg
Net weight, approx. <i>m</i>	6.4 kg

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needs.

Applications

- > Domestic water supply
- > Irrigation
- > Rainwater utilisation

Operating Data

Product data

Maximum operating pressure P_N	7 bar
Min. fluid temperature T_{min}	5 °C
Max. fluid temperature T_{max}	60 °C
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Motor data

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Voltage tolerance	±10 %
Rated power P_2	0.55 kW
Rated current I_N	3.7 A
Rated speed n	2900 1/min
Insulation class	F
Protection class	X4

Materials

Pump housing	Grey cast iron
Impeller	Brass, CW617N
Shaft	Stainless steel
Shaft seal	BVPFF
Gasket material	NBR

Installation dimensions

Pipe connection on the suction side D_N	Rp 1
Pipe connection on the discharge side $D_N d$	Rp 1

Ordering information

Brand	Wilo
Product description	HiPeri 1-5
Net weight, approx. m	6.4 kg
Article number	4186198 

Electrical accessories

Pump control/accessories

Low-water cut-out switchgear kit for domestic water systems

low-water cut-out switchgear kit WMS G 1¼	4204510
low-water cut-out switchgear kit WMS G2	4204512

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