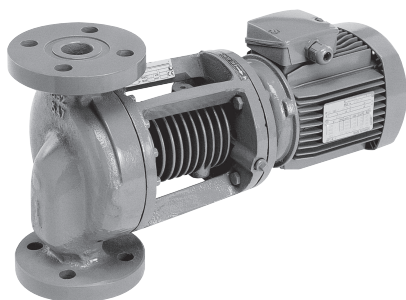


Series description: Wilo-VeroLine-IPH-O



Design

Glanded pump in in-line design with flange connection

Application

For pumping heat transfer oil in closed industrial circulation systems

Type key

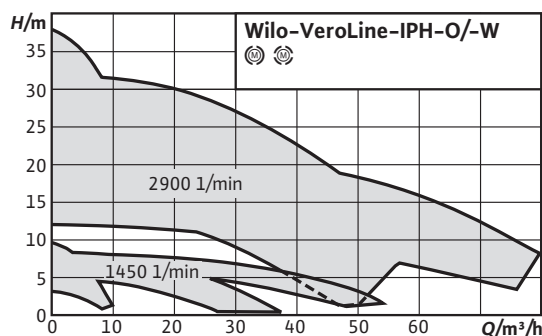
Example	IPHO 65/1251.1/4
IPHO	In-line pump for heat transfer oil
65	Nominal diameter DN of the pipe connection
125	Impeller diameter
1,1	Nominal motor power P_2 in kW
4	Number of poles

Special features/product advantages

- From 0.75 kW, motors equipped as standard with IE2 technology with higher efficiency
- Bidirectional, self-cooled mechanical seal
- Great variety of applications by a large fluid temperature range without additional wearing parts

Technical data

- Permissible temperature range 10 °C to +350 °C at max. 9 bar
- Mains connection 3~400 V, 50 Hz (others on request)
- Protection class IP 55
- Nominal diameter DN 20 to DN 80



Description/design

Single-stage, low-pressure centrifugal pump in in-line design with

- Mechanical seal
- Flange connection
- Lantern
- Motor with special shaft

Materials

- Pump housing: Cast steel 1.0625
- Lantern: EN-GJS-400-15
- Impeller: EN-GJL-250
- Shaft: Stainless steel 1.4005
- Mechanical seal: AQ1VGG; other mechanical seals on request

Scope of delivery

- Pump
- Installation and operating instructions
- Prewelding counter flanges
- Flange seals

Accessories

- PTC thermistor sensors, PTC resistor tripping relays, special motors

General notes – ErP (ecological design-) directive

- The benchmark for most efficient water pumps is $MEI \geq 0.70$
- The efficiency of a pump with a trimmed impeller is usually lower than that of a pump with the full impeller diameter. The trimming of the impeller will adapt the pump to a fixed duty point, leading to reduced energy consumption. The minimum efficiency index (MEI) is based on the full impeller diameter.
- The operation of this water pump with variable duty points may be more efficient and economic when controlled, for example, by the use of a variable speed drive that matches the pump duty to the system.
- Information on benchmark efficiency is available at www.europump.org/efficiencycharts

Product list: Wilo-VeroLine-IPH-O

Type	Nominal speed	Weight approx.	Art no.
	<i>n / rpm</i>	<i>m / kg</i>	
IPH-O 20/160-0.37/4	1425	28	4089398
IPH-O 20/160-1.1/2	2825	33	2105775
IPH-O 32/125-0.18/4	1410	23	4089399
IPH-O 32/125-0.75/2	2800	26	2105776
IPH-O 32/170-2.2/2	2850	42	2105777
IPH-O 65/110-2.2/2	2850	44	2105778
IPH-O 65/125-1.1/4	1415	44	2105770
IPH-O 65/125-2.2/2	2850	44	2105779
IPH-O 65/140-1.1/4	1415	44	2105771
IPH-O 65/140-4/2	2840	72	2105780
IPH-O 65/160-1.1/4	1415	44	2105772
IPH-O 65/160-4/2	2840	72	2105781
IPH-O 80/110-2.2/2	2850	52	2105782
IPH-O 80/140-1.1/4	1415	46	2105773
IPH-O 80/140-4/2	2840	80	2105783
IPH-O 80/160-1.1/4	1415	59	2105774

Variants: Wilo-VeroLine-IPH-O

Approved fluids (other fluids on request)

Heat transfer oil	Up to +350 °C
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Permitted field of application

Outdoor installation	Special version at additional charge
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Materials

Other mechanical seals	On request
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Motor/electronics

Integrated full motor protection	Special version with PTC thermistor sensor (KLF) at additional charge
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Speed control	Wilo control system
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• = available, = not available