



Pioneering for You

Information for installers.

Simple to install, simply ready for the future.

Wilo-Yonos PICO, Wilo-Stratos PICO, Wilo-Stratos, Wilo-Yonos MAXO.



Everyone's talking about saving electricity. We take action.

Advantages on all sides:

for the environment, your customers and yourself.

The legislator has taken action and issued new regulations on the permitted energy consumption values for glandless circulation pumps. Uncontrolled pumps will no longer be allowed to be placed on the market by their manufacturers as of 2013.

And that is exactly how it should be.

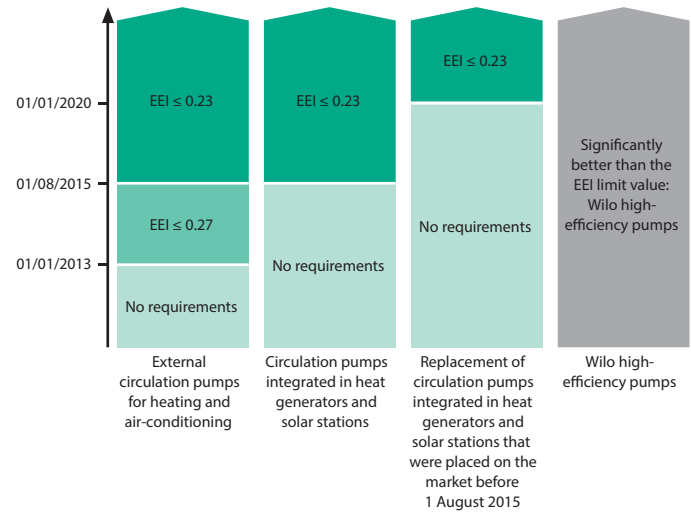
High-efficiency pumps consume up to ten times less energy.

This is good for the environment and your customers' electricity bills, and also opens up new sales chances for you as an installer.

Your partner for ErP-compliance

Use energy efficiency in customer consultation and sales talks. Wilo will support you in doing so. Our high-efficiency pumps are totally future safe and already meet the requirements stipulated in the ErP Directive 2009/125/EC and in compliance with regulations (EC) 641/2009 and (EU) 622/2012. This means you do not have to bother with the details of the Directive.

The ErP Directive for glandless circulation pumps (Regulation (EC) 641/2009 and (EU) 622/2012) sets increasingly stricter efficiency limit values. With Wilo you meet all of them in one go.



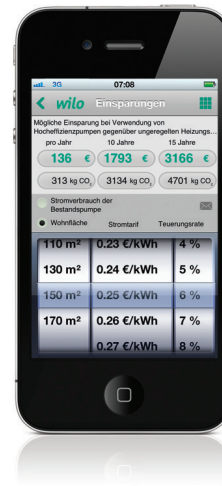
EEI = Energy Efficiency Index according to Regulations (EC) 641/2009 and (EU) 622/2012 of the EU Commission (is determined for different power consumptions within a load profile by comparing it to an average reference pump)

Interesting ErP facts:

- ErP is the abbreviation for the Ecodesign Directive for "energy-related products". It took effect in 2013 and is being implemented in three stages for heating circulation pumps.
- ErP replaced the previous energy efficiency classes (energy label A-G) as of 1 January 2013.
- 95 % of uncontrolled heating circulation pumps that were still available for purchase have been banned from the market as of 2013.

Two powerful arguments: Save costs, protect the environment.

Up to £137 potential yearly savings
With Wilo you will appeal to both your customers' common sense and sense of responsibility. After all, with high-efficiency pumps homeowners and residents can significantly reduce their household expenses – by up to €166 per year. Switching over to these pumps is a move that also pays off in terms of the environment. A reduction in European energy demand amounting to 23 TWh is possible by 2020. This corresponds to the entire electricity consumption of Ireland and will result in CO₂ emissions across Europe being reduced by 11 million tonnes.



Individual savings calculation:
The "Wilo Assistant", the efficient Wilo app for smartphones, allows you to calculate your customers' energy and CO₂ savings on an individual basis, in seconds flat.

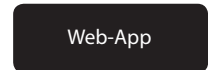
The "Wilo Assistant" can be found here:



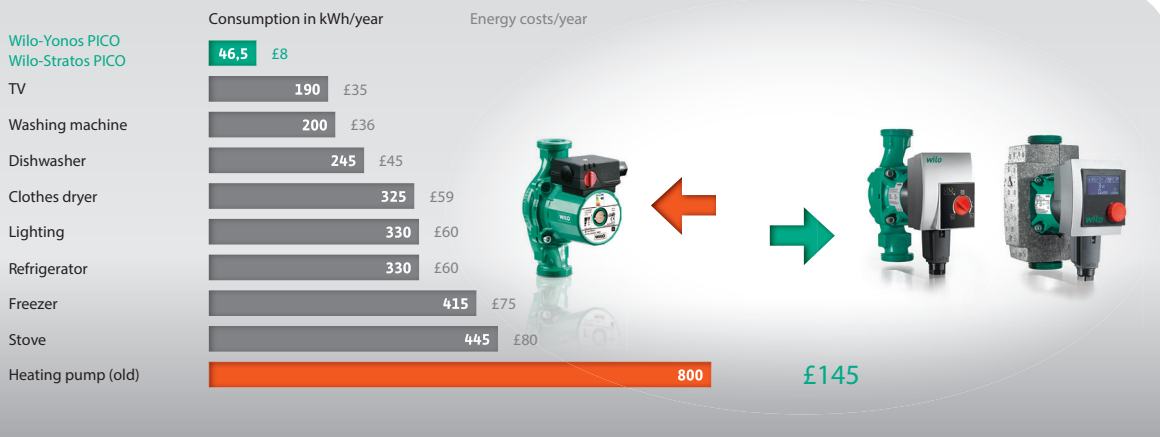
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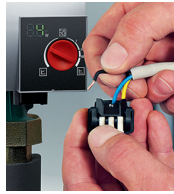
app.wilo.com



The calculations are based on an average electricity price of £0.18p/kWh.

Calculation basis for household consumers and old heating pumps: Annual energy requirement according to "Stiftung Warentest" (similar to Consumer Reports), Sept. 2007.

Wilo-Yonos PICO and Wilo-Stratos PICO: our calculation; calculation basis: 6,000 operating hours per year, 1 m³/h volume flow, 1.5 m delivery head.



Wilo-Yonos PICO, the uncomplicated one.

Quick installation, easy operation

Field of application:

As a standard high-efficiency pump for hot-water heating systems of all types in single and two-family houses, air-conditioning applications and industrial circulation systems.

Special features:

The Wilo-Yonos PICO focuses on the main functions, making it particularly easy to operate and install. Using the Wilo-Connector the pump can be connected electrically in next to no time without the need for tools.

More on Wilo-Yonos PICO:
www.wilo.co.uk/installer



The Wilo-Star-RS
speed selector



My tip:

In tight installation spaces the Wilo angle plug with a sealed two-metre connection cable and free cable end will help you.

Product advantages:

- Standard high-efficiency pump
- Toolless electrical connection using the Wilo-Connector
- Unique pump venting function
- LED display for setting the setpoint and displaying current consumption
- Simple adjustment when replacing an uncontrolled standard pump with preselectable speed stages, e.g. Wilo-Star-RS
- And needless to say: ErP-compliant



The Wilo-Yonos PICO
3-step-function



LED display for
setting the setpoint
and displaying power



Automatic pump
venting function



Good to know:
The Wilo-Stratos PICO is standard-equipped with a thermal insulation shell.

Wilo-Stratos PICO, the convenient one.

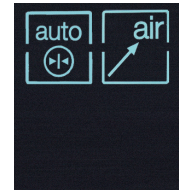
High efficiency with Dynamic Adapt.

Field of application:

As a premium high-efficiency pump for hot-water heating systems of all types in single and two-family houses, air-conditioning applications and industrial circulation systems.

Special features:

With the Wilo-Stratos PICO, energy savings of up to 90% are possible in comparison to uncontrolled pumps, resulting in a particularly quick amortisation. Dynamic Adapt allows the pump to continuously adapt to the requirements of the heating system during short control intervals.



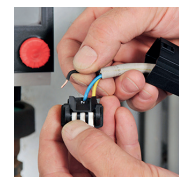
Display shows the dynamic-adapt function and the unique venting routine.



Always in sight:
current and total power consumption

Product advantages:

- Premium high-efficiency pump
- Toolless electrical connection with the Wilo-Connector
- Unique pump venting routine
- Large LC display for showing current power consumption and the cumulative kWh
- Dynamic Adapt for continuous self-adjustment at short intervals
- And needless to say: ErP-compliant



Connect,



plug together,



start.



The "red-button technology" display that can be adjusted regardless of position.



Wilo-Stratos, the diverse one.

Powerful and suitable for universal use

Field of application:

As a premium high-efficiency pump for hot-water heating systems of all kinds, air-conditioning systems, closed cooling circuits and industrial circulation systems. Ideal for professional building management.

Special features:

Wilo-Stratos is convincing since it can be used universally, for example in cooling and air-conditioning systems with temperatures down to -10 °C. The proven "red-button technology" makes installation and commissioning easier.

More on Wilo-Stratos
www.wilo.co.uk/installer

The plastic prevents eddy-current losses.



Universal modular, integrated bus connection concept

Product advantages:

- Premium high-efficiency pump
- Can be used in heating, cooling and air-conditioning systems from -10 °C to +110 °C
- Ideal for commercial properties
- Simple installation and commissioning thanks to "red-button technology"
- Communication-capable for building automation in all system environments thanks to retrofittable interface modules
- And needless to say: ErP-compliant

Extend the Wilo-Stratos with additional functions provided by wireless data exchange via USB stick, e.g. remote control, statistics, analysis, settings and data storage.



Technical data.

Wilo-Yonos PICO, Wilo-Stratos PICO, Wilo-Stratos.



Equipment	Wilo-Yonos PICO	Wilo-Stratos PICO	Wilo-Stratos
Drive system	Blocking-current proof EC motor	Blocking-current proof EC motor	Blocking-current proof EC motor
Hydraulic performance range	Delivery head H max. = 7.6 m Volume flow Q max. = 4.8 m ³ /h	Delivery head H max. = 6 m Volume flow Q max. = 3.5 m ³ /h	Delivery head H max. = 17 m Volume flow Q max. = 62 m ³ /h
Control	Differential pressure, constant: $\Delta p-c$ Differential pressure, variable: $\Delta p-v$	Differential pressure, constant: $\Delta p-c$ Differential pressure, variable: $\Delta p-v$ Dynamic Adapt	Differential pressure, constant: $\Delta p-c$ Differential pressure, variable: $\Delta p-v$ Differential pressure, temperature-controlled: $\Delta p-t$ Manual control mode (n = constant)
Venting	Pump venting function	Venting routine	-
Display	LED display	LC display	LC display
Electrical connection	Wilo-Connector: 1~230 V, 50/60 Hz	Wilo-Connector: 1~230 V, 50/60 Hz	1~230 V, 50/60 Hz
Protection class	IPX2 D	IPX4 D	IPX4 D
Fluid temperature range	-10 °C to +95 °C	+2 °C to +110 °C	-10 °C to +110 °C
Consumption indication	Current in W	Current in W Cumulative kWh	Read out of the data via IR stick/ bus module
Power consumption min./max.	4 W/75 W	3 W/40 W	9 W/1,550 W
Thermal insulation shell	Optional	As standard	As standard



The ideal combination
The Wilo-Yonos MAXO combines functionality and high efficiency. Ideal for all those who demand quality even in standard applications.

Wilo-Yonos MAXO, the practical one.

High efficiency in standard applications

Field of application:

Standard high-efficiency pump for heating, cooling and air-conditioning systems from -20 °C to +110 °C. For use in commercial properties.

Special features:

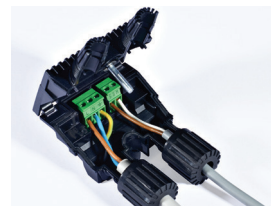
The Wilo-Yonos MAXO is the standard high-efficiency pump whose functionality and extremely high efficiency make a great impression. The pump output is automatically adjusted to the constantly changing operating status of the hydraulic system. The integrated collective fault signal ensures high operational reliability.



The LED display for infinitely variable delivery head setpoint



Best possible operational control thanks to fault signal function



Quick and easy: electrical connection via the Wilo plug



Product advantages:

- Maximum efficiency thanks to ECM technology
- LED display of set delivery head and fault codes
- Control range from 0.5m set delivery head
- Quick and convenient electrical connection with the Wilo plug
- Simplest commissioning and operation
- Collective fault signal for assuring system availability

Technical data.

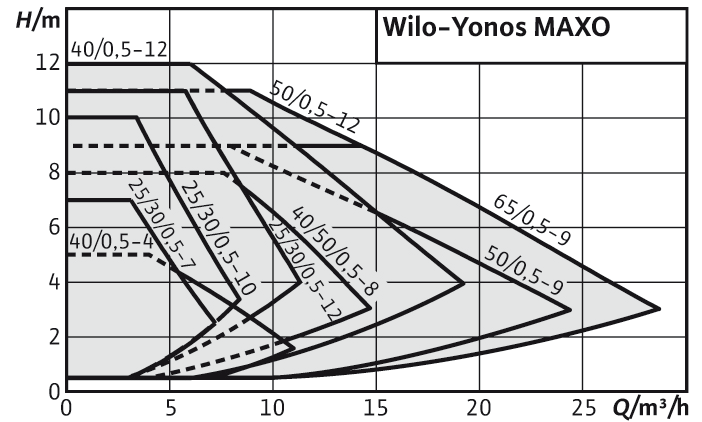
Wilo-Yonos MAXO.



Features	Wilo-Yonos MAXO
Drive system	Blocking-current proof EC motor
Hydraulic performance range	Delivery head H max. = 12 m Volume flow Q max. = 28 m ³ /h
Control	Differential pressure, constant: $\Delta p-c$ Differential pressure, variable: $\Delta p-v$
Display	LED display
Electrical connection	1~230 V, 50/60 Hz
Protection class	IP X4D
Fluid temperature range	-20 °C to +110 °C
Power consumption min./max.	5 W/600 W

Duty charts.

Wilo-Yonos MAXO.



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