

Qty.	Description
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1	COMFORT 10-16 TA BU/LC
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Note! Product picture may differ from actual product

Product No.: [98420224](#)

COMFORT TA pumps are efficient circulators designed for hot-water recirculation in domestic buildings with a dedicated return line. The pumps are compatible with all types of water heater tanks, tankless systems, solar or heat pumps, regardless of whether the system has mixing or tampering valves installed or not.

The pump features a compact housing and a permanent magnet with an integrated control unit. The spherical rotor, equipped with an impeller, ensures optimal functionality supported by a robust single-bearing ball system. The drinking-water approved brass pump housing guarantees both safety and reliability.

COMFORT TA moreover features a built-in temperature sensor to maintain water temperature.

COMFORT TA offers three control modes: AUTOADAPT, temperature and continuous 24/7.

With the AUTOADAPT control mode, the pump learns usage patterns throughout the day and ensures that hot water is available only when needed. This makes AUTOADAPT the most energy-efficient control mode in the COMFORT range.

To develop the operating schedule, the pump detects, logs and analyses hot water tapping events.

The pump uses both the external and internal temperature sensors for tapping-event detection.

The balance between comfort and energy savings is provided by the complex algorithm that differentiates between spontaneous water usage and actual consumption behaviour.

The pump also ensures that the system is sanitised by running a 15-minute disinfection cycle once a week, regardless of the operating schedule.

The temperature control mode incorporates both the external and internal sensors for more accurate water temperature measurement and activates the pump when the water temperature drops below a certain level.

The on and off temperatures are automatically adjusted based on the maximum temperature measured in the system.

The maximum temperature of the system is measured constantly, allowing dynamic adjustment of the on and off temperatures.

This mode also includes automatic vacation mode for enhanced energy efficiency.

The continuous 24/7 control mode allows the pump to operate continuously while connected to the power supply. This control mode is recommended when the hot-water recirculation system is required to run uninterrupted or in cases when the pump is connected to an external control unit.

The product features:

- QH performance designed for single and multifamily homes, depending on the required duty point to accommodate for heat losses in specific pipe layout



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| 1 | <ul style="list-style-type: none">- low power consumption and silent operation- compliance with pipe manufacturer's flow velocity limit recommendations due to a low operating flow, for ½" and ¾" copper or PEX pipes- eco-brass pump housing and stainless-steel rotor that provide safe and reliable operation- drinking-water approval, enabling the product to meet unlimited water hardness requirements- a design that makes it easy to remove limescale and foreign deposits by removing the pump head- dry-running protection to prevent failure if system runs out of water- multiple installation positions, even with the pump head pointing downwards- A pump head designed to fit all brass pump housings of the same design from different brands (such as Wilo, Lowara, Laing and Vortex). The design enables easy installation and removes the need to replace the pump housing and drain the system- easy installation with the included power cable for electrical connection, which does not require ground connection in the socket due to the pump having double insulation- isolating and non-return valves for reduced installation cost- insulating shell for reduced heat loss- an optional venting flange, providing a simple way to vent or drain the system without the need for permanently installing an additional venting valve- different sizes and types of fittings for pipe connections. |
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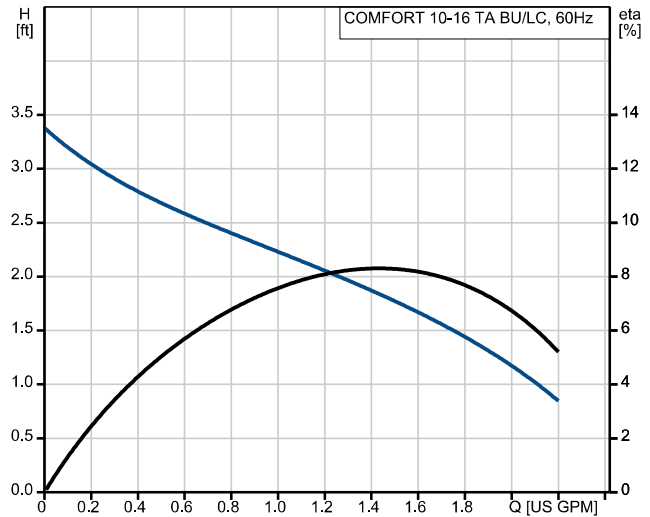
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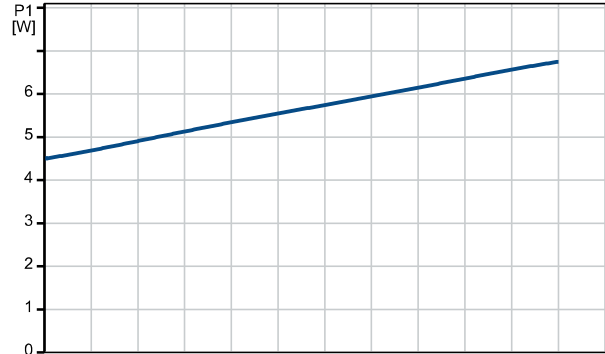
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Description	Value
General information:	
Product name:	COMFORT 10-16 TA BU/LC
Product No:	98420224
EAN number:	5711494712892
Technical:	
Rated flow:	1.45 US GPM
Rated head:	1,841 ft
Max. head:	5.25 ft
TF class:	95
Approvals:	UL,CSA
Y = pump with built-in isolating and non-return valves:	Y
Materials:	
Pump housing:	Brass ASTM C28500
Impeller:	Composite PES+30% GF
Installation:	
Maximum operating pressure:	145.04 psi
Type of connection:	1 1/4" NPSM
Pipe connection:	1 1/4" NPSM
Pressure rating for connection:	PN 10
Port-to-port length:	4 3/8 in
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	34.9 .. 179.6 °F
Selected liquid temperature:	68 °F
Density:	62.29 lb/ft³
Electrical data:	
Max. power input:	6 W
Mains frequency:	60 Hz
Rated voltage:	1 x 115-230 V
Current in speed 3:	0.1 A
Enclosure class (IEC 34-5):	IP44
Insulation class (IEC 85):	F
Ex-protection standard:	NONE
Thermal protec:	ELEC
Cable type:	Connecting cord with plug
Type of cable plug:	NEMA 1-15P
Controls:	
Operation mode include:	AutoADAPT
Others:	
Net weight:	3.17 lb
Gross weight:	3.4 lb
Shipping volume:	0.15 ft³
Country of origin:	DE
Custom tariff no.:	8413.70.2005



Pumped liquid = Water
 Liquid temperature during operation = 68 °F
 Density = 62.29 lb/ft³





Company name:

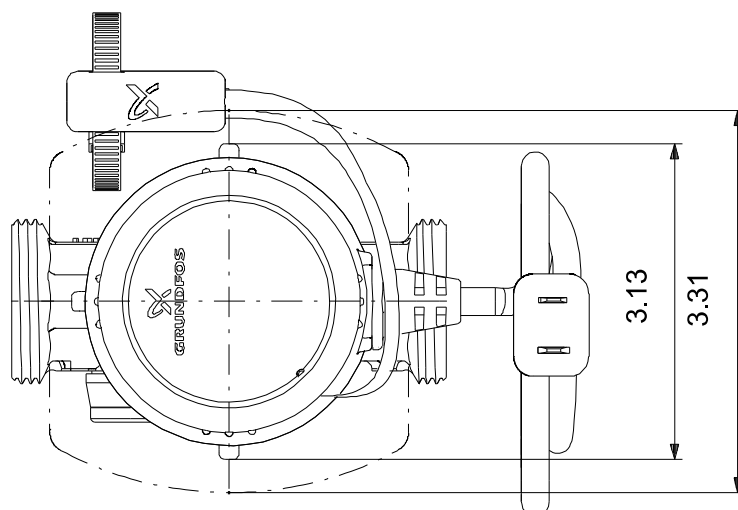
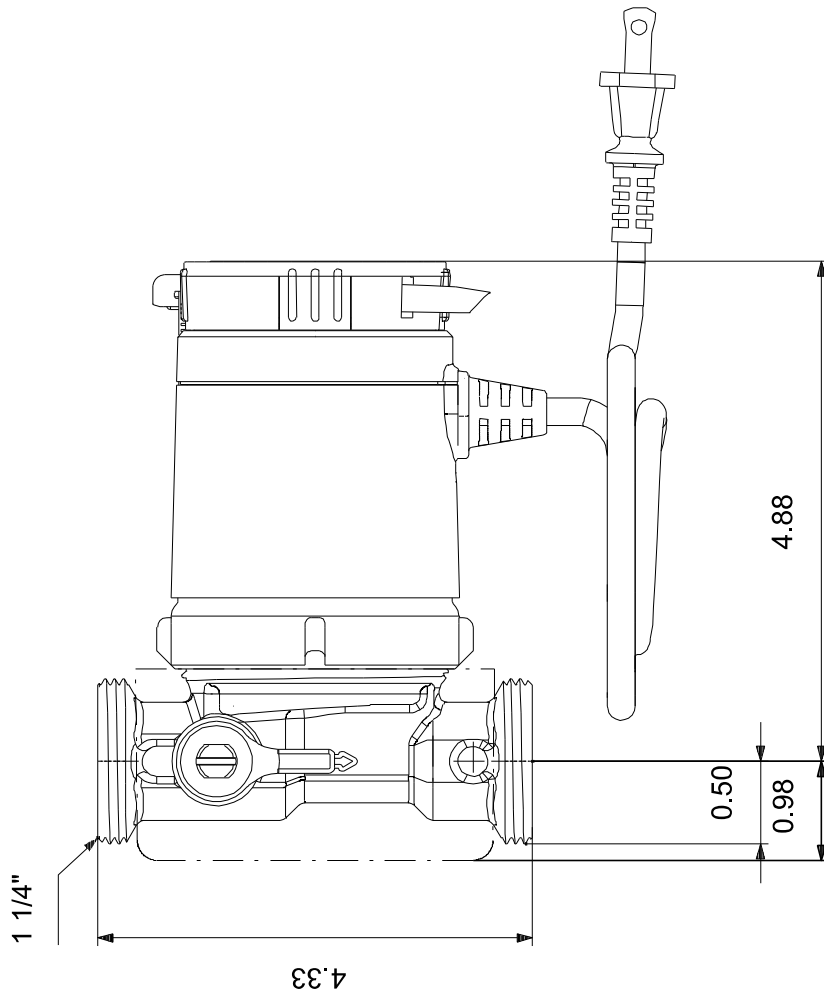
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98420224 COMFORT 10-16 TA BU/LC 60 Hz



Note! All units are in [in] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.