



eckerle

Air conditioning

Condensate pumps

eckerle.com

Supply systems for heating, air-conditioning and dosing applications

Rotating piston pump

With greatly reduced motor speed and large piston area, rotating piston pumps ensure extremely quiet operation levels, with high suction and pressure heads. The EE900 combines two independent activation interfaces in one pump: float switch or temperature sensor (ΔT).

Centrifugal pump

Most tank pumps available on the market, such as our EE150, EE300 and EE400NEO are equipped with this robust and reliable technology. A key feature of the positive displacement principle is its high flow rate as well as its insensitivity to dirt.

Solenoid pump

Due to their high power capacity, solenoid pumps are used in split condensate pump systems like the EE600+, EE1000+, EE1800+, EE1200RAPIDO, EE1750. The advantage of this approach results in increased discharge heads and a very compact overall system size.

Membrane pump

These pumps (e. g. EE200) have the advantage that they work very quietly and are ideal for those pump systems, directly emitting sound into the room. Since the drives are operated with direct current, they are usually referred to as so-called multi-voltage pumps (110V-240V).





Product Overview

7,5 kW | 24 000 Btu

| | |
|------------------|---|
| EE600+ | 4 |
| EE900 | 6 |

10 kW | 34 000 Btu

| | |
|------------------------|----|
| PUMPKIN®10. | 8 |
| EE1000+ | 10 |
| EE200 | 12 |
| EE1200RAPIDO | 14 |
| EE150 | 16 |

20 kW | 68 000 Btu

| | |
|-------------------|----|
| EE1800+ | 18 |
|-------------------|----|

30 kW | 102 000 Btu

| | |
|------------------|----|
| EE1650 | 20 |
| EE1750 | 22 |

50 kW | 170 600 Btu

| | |
|--------------------|----|
| EE300 | 24 |
| EE400NEO | 26 |

7,5 kW | 24 000 Btu

EE600+

Mini-Condensate Pump



6 l/h
1,6 gal/h



6 m
19,7 ft



28 db(A) DIN EN 3745
~ < **22 db(A) DIN EN 3744**

Description

The EE600+ is a micro-condensate pump specifically designed for air conditioning units up to 7.5 kW capacity. It operates quietly with a noise level under 22 dB(A) in compliance with DIN EN 3744, offering a cost-effective and ultra-compact solution for condensate drainage.

Usage

This pump is ideally suited for use in mini-split, wall-mounted, and narrow ceiling units where space is limited. It is commonly used in confined spaces to efficiently remove condensate.

Special features

- 3-stage float control
- Integrated acoustic alarm signal
- Extremely compact design
- Detachable power cable

Performance





Inside the box

- Pump block with vibration dampers
- Three-stage float switch with dirt retainer
- Detachable power cable
- 300mm acoustic damping/reducing discharge tube (6mm ID) with hose connector
- PVC vent hose
- 2x cable ties
- 2x double sided padded tape
- Silicon hose (internal diameter 15 mm, length 40mm - connects to split drain hose)



Technical data

| | |
|---------------------------------|---|
| For air conditioners up to [kW] | 7,5 |
| Drive | Solenoid pump |
| Mains voltage & frequency | 230V, 50/60Hz |
| Power consumption [W] | Operation: 13 Standby: 1 |
| Max. flow rate [l/h] | 6 |
| Max. delivery height [m] | 6 |
| Max. suction height [m] | 1,5 |
| Pump unit L x W x H [mm] | 97 x 50 x 31 |
| Float switch L x W x H [mm] | 82 x 39 x 39 |
| Switch points float switch [mm] | Alarm: max. 23 Start: 18 ±1 Stop: 14 ±1 |
| Pressure, suction hose [mm] | 6 x 1,5 |
| Alarm switch | integrated buzzer (beeper) |



Installation video:



7,5 kW | 24 000 Btu

EE900

Super Silent Condensate Pump



6 l/h
1,6 gal/h



7 m
23 ft



26 db(A) DIN EN 3745
~ < **19 db(A) DIN EN 3744**

Description

The EE900 is the world's first condensate pump to feature interfaces for temperature difference measurements (8 Kelvin) or a conventional float switch which is included as standard. This means that various different pump types do not have to be kept in stock, as is the case with comparable units. This pump combines two detection options in a single device.

Usage

The whisper-quiet and patented EE900 is used to transport condensate especially in noise-sensitive environments such as hotel rooms or bedrooms. Unlike conventional hose pumps, the tedious task of changing expensive hoses rendered obsolete since the EE900 operates on the principle of a recip-

rocating pump. The very slow movement of the piston produces sensationally quiet noise emissions. Regardless of the maximum pumping height, the pump delivers a constant pumping performance.

Performance





Technical data

| | |
|---------------------------------|---|
| For air conditioners up to [kW] | 7,5 |
| Drive | Rotating piston pump |
| Mains voltage & frequency | 230V, 50/60Hz |
| Power consumption [W] | Operation: 10 Standby: 1,5 |
| Max. flow rate [l/h] | 6 |
| Max. delivery height [m] | 7 |
| Max. suction height [m] | 2 (4 on demand) |
| Pump unit L x W x H [mm] | 152 x 85 x 114 |
| Float switch L x W x H [mm] | 82 x 39 x 39 |
| Switch points float switch [mm] | Alarm: max. 23 Start: 18 ±1 Stop: 14 ±1 |
| Alarm switch | 48V, 1,5A (ohmic load) NO normally open only wehy using a float switch |
| Pressure, suction hose [mm] | 6 x 1,5 |
| Temperature sensor | Length: 3 m Switch point: 7 Kelvin (ΔT) |



Inside the box

- Pump unit
- Three-stage float switch
- Temperature sensor optional
(not included in the supplied package)



Installation video:



SCAN ME

10 kW | 34 000 Btu

PUMPKIN®10

Level-entry Mini-Condensate Pump



9 l/h
2,4 gal/h



10 m
32,8 ft



29 db(A) DIN EN 3745
~ < 23 db(A) DIN EN 3744

Description

The PUMPKIN®10 consists of a pump unit and a 2-level float switch that controls the pump (switching on and off). The transparent floater is connected directly to the outlet pipe of the condensate vessel or to the end of the outflow line. The supplied package includes the pump, the 2-level float switch and mounting accessories, i.e. double-sided-padded tape to attach the float switch, an anti-vibration mount for the pump and a floater inlet hose.

Usage

The PUMPKIN®10 is the ideal choice for use in air conditioning systems. With its extreme slim design and low noise level, it is the perfect fit for air conditioners with limited space.

Special features

- extrem slim design
- affordable
- reliable

Performance





Inside the box

- Pump block with vibration dampers
- 2-stage float switch with dirt retainer
- PVC vent hose
- 2x double sided padded tape
- Silicon hose (internal diameter 15 mm, length 40mm - connects to split drain hose)



Technical data

| | |
|---------------------------------|-----------------------------|
| For air conditioners up to [kW] | 10 |
| Drive | Solenoid pump |
| Mains voltage & frequency | 230V, 50/60Hz |
| Power consumption [W] | Operation: 15 Standby: 1 |
| Max. flow rate [l/h] | 9 |
| Max. delivery height [m] | 10 |
| Max. suction height [m] | 1,5 |
| Pump unit L x W x H [mm] | 151 x 33 x 33 |
| Float switch L x W x H [mm] | 82 x 39 x 39 |
| Switch points float switch [mm] | Start: 18 ±1 Stop: 14 ±1 |
| Pressure, suction hose [mm] | 6 x 1,5 |



Installation video:



SCAN ME

10 kW | 34 000 Btu

EE1000+

Mini-Condensate Pump



10 l/h
2,6 gal/h



10 m
32,8 ft



27 db(A) DIN EN 3745
~ < 20 db(A) DIN EN 3744

Description

The **EE1000+** is a mini-condensate pump suitable for air conditioning units with a capacity of up to 10 kW. It operates at a very low noise level of under **20 dB(A)** according to DIN EN 3744 and offers an ultra-compact, space-saving solution for condensate drainage.

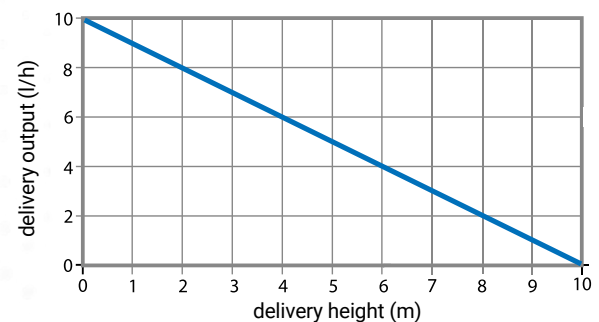
Usage

This model is especially well-suited for **mini-split, wall-mounted, and slim ceiling units** with limited space. It is ideal for compact installation environments where efficient condensate removal is required.

Special features

- 3-stage float control
- Integrated alarm relay
- Minimalistic design
- Detachable power cable

Performance





Inside the box

- Pump block with vibration dampers
- Three-stage float switch with dirt retainer
- Detachable power cable
- PVC vent hose
- 2x cable ties
- 2x double sided padded tape
- 300mm acoustic damping/reducing discharge tube (6mm ID) with hose connector
- Silicon hose (internal diameter 15 mm, length 40 mm - connects to split drain hose)



Technical data

| | |
|---------------------------------|--|
| For air conditioners up to [kW] | 10 |
| Drive | Solenoid pump |
| Mains voltage & frequency | 230V, 50/60Hz |
| Power consumption [W] | Operation: 8 Standby: 1 |
| Max. flow rate [l/h] | 10 |
| Max. delivery height [m] | 10 |
| Max. suction height [m] | 1,5 |
| Pump unit L x W x H [mm] | 97 x 50 x 31 |
| Float switch L x W x H [mm] | 82 x 39 x 39 |
| Switch points float switch [mm] | Alarm: max. 23 Start: 18 ±1 Stop: 14 ±1 |
| Alarm switch | max. 230V, 8A (ohmic load) NC normally closed |
| Pressure, suction hose [mm] | 6 x 1,5 |



Installation video:



SCAN ME

10 kW | 34 000 Btu

EE200

Super Silent Wall Unit



20 l/h
5,3 gal/h



10 m
32,8 ft



26 db(A) DIN EN 3745
~ < 19 db(A) DIN EN 3744

Description

- Low-noise membrane pump with 1.5 m power cord
- Integrated non-return valve prevents the back-flow of condensate into the container
- Compact construction
- Attractive design
- Stylish wall cladding
- Easy installation

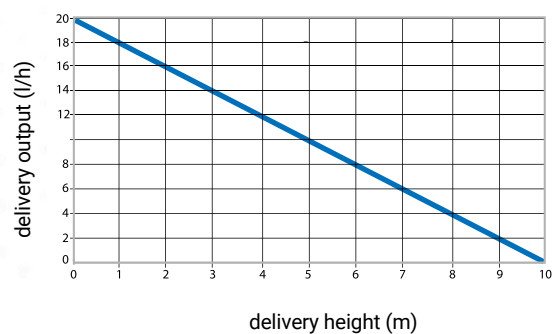
Advantages

- Low noise and energy consumption
- Multi-voltage (100-240V, 50/60Hz)
- Easy maintenance: the cover acts as a tank

Usage

The EE200 is designed to remove condensate water out of air conditioners. The pump can be installed directly under the air conditioning system on the left or right.

Performance





Inside the box

- Pump
- 4x screws & 2x dowels for fixing
- Straight hose connector
- Silicon hose



Technical data

| | |
|---------------------------------|------------------------------------|
| For air conditioners up to [kW] | 10 |
| Drive | Membrane pump |
| Mains voltage & frequency | 100-240V, 50/60Hz |
| Power consumption [W] | Operation: 4 Standby: 1,5 |
| Max. flow rate [l/h] | 20 |
| Max. delivery height [m] | 10 |
| Pump unit L x W x H [mm] | 315 x 54 x 43 |
| Alarm switch | 100-240V, 5A NC normally closed |
| Pressure hose [mm] | 6 x 1,5 |



Installation video:



SCAN ME

10 kW | 34 000 Btu

EE1200RAPIDO

Mini-Condensate pump with duct



10 l/h
2,6 gal/h



10 m
32,8 ft



27 db(A) DIN EN 3745
~ < **20 db(A)** DIN EN 3744

Description

The **EE1200RAPIDO** comes in a set with a duct, an elbow, a ceiling seal and installation accessories in actual RAL 9016 colour "traffic white".

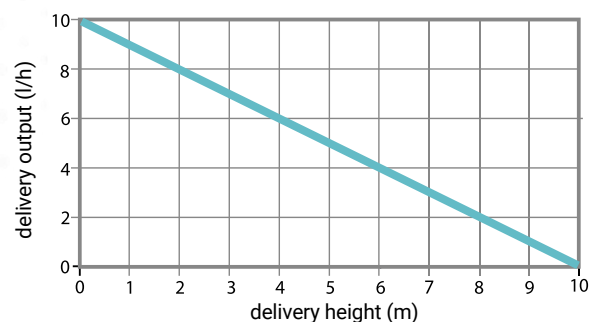
Usage

The **EE1200RAPIDO** has been specifically designed for direct installation into the Eckerle-duct-system. The **EE1200RAPIDO** is fitted with a high quality Swiss made piston pump. They offer wide opening duck-bill-valves (non-sensitive against water borne contaminants) and they run remarkably quiet.

Special features

- Space for refrigerant pipes
- Easy bending of pipes
- Simplified maintenance
- Extremely silent pumps
- Aesthetic
- UL approved

Performance





Inside the box

- Pump block
- Duct (800 x 80 x 60 mm)
- Three-stage float switch with dirt retainer
- 2 part elbow (back plate + cover)
- Ceiling duct cover
- Silicon hose (internal diameter 15 mm - connects to split drain hose)
- PVC vent hose
- 4x screws and plugs for fixing duct and elbow
- straight hose connector
- 4x cable ties
- 90° elbow tube
- 2 x installation clamp for the duct
- Hose connector for duct
- 2x double sided padded tape



Technical data

| | |
|---------------------------------|--|
| For air conditioners up to [kW] | 10 |
| Drive | Solenoid pump |
| Mains voltage & frequency | 110V or 230V, 50/60Hz |
| Power consumption [W] | Operation: 8 Standby: 1 |
| Max. flow rate [l/h] | 10 |
| Max. delivery height [m] | 10 |
| Switch points float switch [mm] | Alarm: max. 23 Start: 18 ±1 Stop: 14 ±1 |
| Alarm switch | max. 230V, 8A (ohmic load) NO normally open NC normally closed |
| Pressure, suction hose [mm] | 6 x 1,5 |



Installation video:



SCAN ME

10 kW | 34 000 Btu

EE150

Compact Tank Pump



120 l/h
31,7 gal/h



1,5 m
4,9 ft



29 db(A) DIN EN 3745
~ < 23 db(A) DIN EN 3744

Description

The EE150 is specifically designed for the removal of condensate from air conditioning systems, refrigerated display cases, dehumidifiers, and evaporator coils. Its durable housing is made from impact-resistant ABS material, ensuring long-lasting performance and reliability.

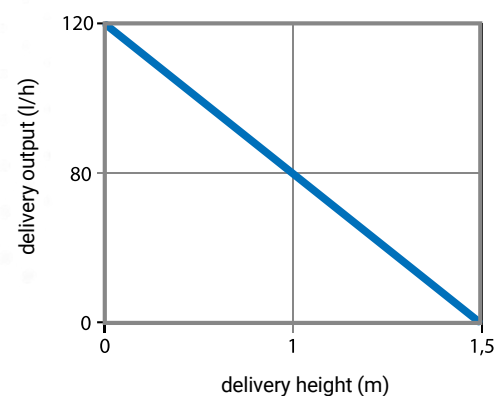
Usage

This pump is ideal for a wide range of applications where efficient condensate removal is required, such as in air conditioners, refrigerated showcases, and dehumidifiers. Its compact design makes it suitable for tight installation spaces without compromising performance.

Special features

- Centrifugal pump with a 1.5 m power cable
- Integrated check valve
- Compact design

Performance





Technical data

| | |
|---------------------------------|----------------------------|
| For air conditioners up to [kW] | 10 |
| Drive | Centrifugal pump |
| Mains voltage & frequency | 230V, 50/60Hz |
| Power consumption [W] | Operation: 48 Standby: 0 |
| Max. flow rate [l/h] | 120 |
| Max. delivery height [m] | 1,5 |
| Tank capacity [l] | 0,2 |
| Pump unit L x W x H [mm] | 165 x 65 x 85 |
| Pressure hose [mm] | 8 x 2 |



Inside the box

- Pump and cover
- 2x screws and 2x dowels for fixing
- Silicon hose
- Kink protection

20 kW | 68 000 Btu

EE1800+

Mini-Condensate Pump



18 l/h
4,2 gal/h



10 m
32,8 ft



28 db(A) DIN EN 3745
~ < **22 db(A)** DIN EN 3744

Description

The EE1800+ is a mini-condensate pump designed for air conditioning units with a capacity of up to 20 kW. It operates with a quiet noise level of under 22 dB(A) in compliance with DIN EN 3744, providing a space-saving, ultra-compact solution for condensate drainage.

Usage

This model is ideal for use in mini-split, wall-mounted, and narrow ceiling units in tight installation environments. The pump is specifically designed to efficiently handle larger amounts of condensate.

Special features

- 3-stage float control
- Integrated alarm relay
- Ultra-compact design
- Detachable power cable

Performance





Inside the box

- Pump block with vibration dampers
- Three-stage float switch with dirt retainer
- Detachable power cable
- PVC vent hose
- 2x cable ties
- 2x double sided padded tape
- 300mm acoustic damping/reducing discharge tube (6mm ID) with hose connector
- Silicon hose (internal diameter 15 mm, length 40mm - connects to split drain hose)

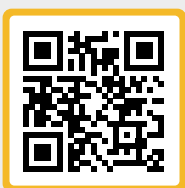


Technical data

| | |
|---------------------------------|--|
| For air conditioners up to [kW] | 20 |
| Drive | Solenoid pump |
| Mains voltage & frequency | 230V, 50/60Hz |
| Power consumption [W] | Operation: 14 Standby: 1 |
| Max. flow rate [l/h] | 18 |
| Max. delivery height [m] | 10 |
| Max. suction height [m] | 2,5 |
| Pump unit L x W x H [mm] | 97 x 50 x 31 |
| Float switch L x W x H [mm] | 82 x 39 x 39 |
| Switch points float switch [mm] | Alarm: max. 23 Start: 18 ±1 Stop: 14 ±1 |
| Alarm switch | max. 230V, 8A (ohmic load) NC normally closed |
| Pressure, suction hose [mm] | 6 x 1,5 |



Installation video:



SCAN ME

30 kW | 102 000 Btu

EE1650

High Lift Tank Pump



32 l/h
8,5 gal/h



15 m
49,2 ft



30 db(A) DIN EN 3745
~ < 24 db(A) DIN EN 3744

Description

The delivery system is equipped with two floats that operate separately. The working float switches the pump on and off, depending on the fill level (with a run-on time). The alarm float toggles the normally-closed contact potential-free. An integrated non-return valve prevents the backflow of condensate into the container.

Usage

This compact unit with integrated float is intended for use with units that are only equipped with a condensate collection tray, such as: air conditioning convectors, air conditioning cabinets, built-in units and water collection consoles. During operation, it must be ensured that no liquid runs via the pump!

Special features

- High lift & pump tank capacity

Performance





Technical data

| | |
|------------------------------------|--|
| For air conditioners up to [kW] | 30 |
| Drive | Solenoid pump |
| Mains voltage & frequency | 230V, 50/60Hz |
| Power consumption [W] | Operation: 30 Standby: 2,5 |
| Max. flow rate [l/h] | 32 |
| Max. delivery height [m] | 15 |
| Tank capacity [l] | 2 |
| Pump unit L x W x H [mm] | 244 x 174 x 144 |
| Alarm switch | max. 230V, 8A (ohmic load) NO normally open NC normally closed |
| Switch points float switch [mm] | Alarm: 52±2 Start: 40 ±2 Stop: 30 ±2 |



Inside the box

○ Pump

30 kW | 102 000 Btu

EE1750

Maxi Condensate Pump



32 l/h
8,5 gal/h



15 m
49,2 ft



35 db(A) DIN EN 3745
~ < 29 db(A) DIN EN 3744

Description

The EE1750 comprises a pump unit and a 3-level float switch sensor. The float switch controls On, Off and Alarm conditions. The float switch unit is fixed to the tank outlet or to a pipe end, it is connected to the pump unit by a 1.5 m/5 ft long pipe and cable (an optional extension is available). The system comes with mounting accessories like pads of double-sided padded tape to fix the float switch and an anti-shock mount for the pump unit.

Special features

- High lift capacity

Usage

This float type pump is used in conjunction with air conditioners which have condensate collection tanks with an outlet on the drainage pipework: Cas-sette, ceiling unit, split, fan convectors.

Performance





Technical data

| | |
|------------------------------------|--|
| For air conditioners up to [kW] | 30 |
| Drive | Solenoid pump |
| Mains voltage & frequency | 230V, 50/60Hz |
| Power consumption [W] | Operation: 40 Standby: 1 |
| Max. flow rate [l/h] | 32 |
| Max. delivery height [m] | 15 |
| Max. suction height [m] | 3 |
| Pump unit L x W x H [mm] | 100 x 81,5 x 67 |
| Alarm switch | max. 230V, 8A (ohmic load) NO normally open NC normally closed |
| Float switch L x W x H [mm] | 82 x 39 x 39 |
| Switch points float switch [mm] | Alarm: max. 23 Start: 18 ±1 Stop: 14 ±1 |
| Pressure, suction hose [mm] | 6 x 1,5 |



Inside the box

- Pump block with vibration dampers
- Three-stage float switch
- 2x double sided padded tape
- PVC vent hose
- Silicon hose (internal diameter 15 mm, length 40mm - connects to split drain hose)

50 kW | 170 600 Btu

EE300

Tank Pump



200 l/h
52,8 gal/h



4 m
13,1 ft



30 db(A) DIN EN 3745
~ < **24 db(A) DIN EN 3744**

Description

- Low-noise centrifugal pump with 1.5-metre-long mains cable
- Integrated non-return valve prevents the back-flow of condensate into the container
- Compact construction

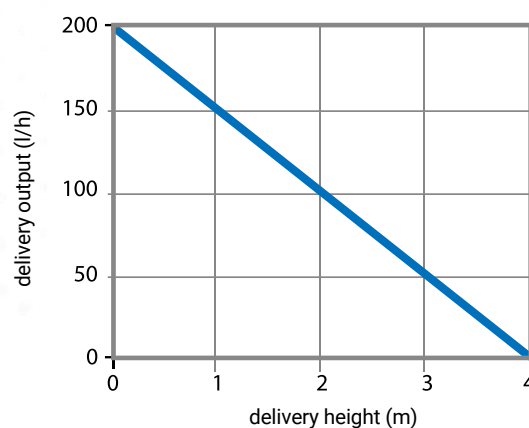
Special features

- Inexpensive
- Robust

Usage

The 300 tank pump is designed for the transport of condensate from air conditioning systems, refrigeration counters, dehumidifiers and gas condensing boilers. The housing is made from impact-stable ABS and is chemically resistant to the acidic condensate from condensing boiler systems.

Performance

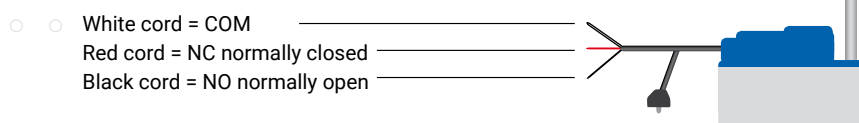




Technical data

| | |
|---------------------------------|--|
| For air conditioners up to [kW] | 50 |
| Drive | Centrifugal pump |
| Mains voltage & frequency | 230V, 50/60Hz |
| Power consumption [W] | Operation: 65 Standby: 0 |
| Max. flow rate [l/h] | 200 |
| Max. delivery height [m] | 4 |
| Tank capacity [l] | 1 |
| Pump unit L x W x H [mm] | 200 x 105 x 160 |
| Alarm switch | max. 230V, 3A (ohmic load) NO normally open NC normally closed |
| Pressure hose [mm] | 8 x 2 |

Connection of the alarm contact:



Inside the box

- Pump unit

50 kW | 170 600 Btu

EE400NEO

Tank Pump with high electrical protection class (IP55)



350 l/h
92,5 gal/h



4 m
13,1 ft

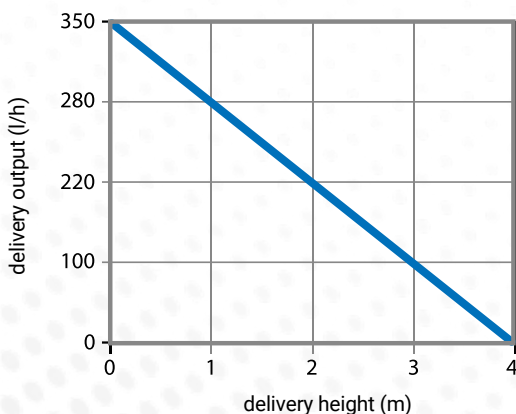


27 db(A) DIN EN 3745
~ < **20 db(A)** DIN EN 3744

Description

The pump operates silently and vibration-free due to its encapsulated design and liquid cooling system. Its impact-stable ABS housing is chemically resistant to acidic condensate from boilers. Additional features include a separate alarm contact and an integrated non-return valve for enhanced functionality.

Performance



Usage

The EE400NEO condensate pump, featuring capacitive sensor technology, effectively transports condensate from diverse sources, including air conditioning systems, refrigeration counters, dehumidifiers, and gas condensing boilers. Its adept handling of high biogenic content in heating system condensate addresses pollution challenges. Leveraging the proven durability of capacitive sensor technology from the cleaning industry, it ensures reliable performance with a history of successful use.

Special features

- Protection class IP55; Pump unit inside can be used in an external drip pan, too
- Pan height: min. 62 mm, max. 70 mm



Technical data

| | |
|---------------------------------|--|
| For air conditioners up to [kW] | 50 |
| Drive | Centrifugal pump |
| Mains voltage & frequency | 230V, 50/60Hz |
| Power consumption [W] | Operation: 65 Standby: 1 |
| Max. flow rate [l/h] | 350 |
| Max. delivery height [m] | 4 |
| Tank capacity [l] | 0,5 |
| Pump unit L x W x H [mm] | 185 x 85 x 100 |
| Alarm switch | max. 230V, 8A (ohmic load) NO normally open NC normally closed |
| Switch points [mm] | Alarm: switches with a delay of approx. 5 seconds after the pump starts Start: 52 ±1 Stop: 24 ±1 |
| Pressure hose [mm] | 8 x 2 |



Inside the box

- pump unit



For further information please visit:
eckerle.com

All indicated data serves only the product description and are not as characteristically understood in the legal sense. All data and specifications are subject to change.

Eckerle Technologies GmbH

Otto-Eckerle-Strasse 6/12A • 76316 Malsch, Germany
Tel.: +49 (0) 7246 9204-0 • E-Mail: info@eckerle.com

eckerle