

DATA SHEET

Si-60

Piston pump

Sauermann® part #: SI60CE01UN23



Compact design

The Si-60 is a piston pump with built-in tank (0.37 l) suitable for air-conditioning units up to 20 kW. This pump is equipped with the Sauermann piston pump technology specifically designed for removing condensates from air conditioning systems. Its attractive, ergonomic and compact design makes it easy to install, in any place.

Benefits



Special detection - resistant to pollution

- IPX4 for a higher protection of mechanical and electrical parts.
- Robust float, rotation is shaft out of water, higher resistance to pollution.



Patented technology

- Increased performance: suitable for air-conditioning units up to 20 kW.
- High Lift, up to 10 m vertical and larger flow rate.
- High resistance to pollution created by general environment. Capable of discharging small particles
- Proven Reliability.



Easy to install

- Compact and attractive design.
- The 3 inlet possibility allows the pump to be fed from top, side or in-pan.
- Lockable plug-in power cable to avoid unintended disconnection.



Energy saving

- Improved performance and high flow rate reduce operation time and energy consumption.



Kit content

- Piston pump
- Integrated float detection unit
- 1.5 m lockable plug-in power cable: 2 power wires, 2 safety switch wires.
- Installation kit:
 - Inlet rubber adapter Ø int. 15-20-24-32-40 mm (Ø int. 5/8"-3/4"-1" - 1"1/4 - 1"1/2)
 - Rubber elbow 90° Ø int.15 x L 60 mm
 - Plastic elbow 90°for tubing Ø int. 6 mm
 - 1 tie-wrap, 2.5 x 100 mm



Technical specifications

Max. flow rate 20 l/h

Max. discharge head	10 m (flow rate = 4 l/h)
Max pressure	14 m (flow rate = 0 l/h)
Sound level in application at 1m (Measured in Sauermann acoustic lab, pump operating with water)	≤ 38 dBA
Mains supply	230 V~ 50/60 Hz - 14 W
Insulation class	□ (double insulation)
Detection levels	ON: 28 mm; OFF: 24 mm; Safety : 35 mm
Safety switch	NC 3 A resistive load – 250 V
Thermal protection (overheating)	115 °C (auto-reset)
Operating and storage temperature	+2 to +50 °C
Operating conditions	100 % - Continuous duty
Protection	IPX4
Safety standards	CE and EAC
RoHS directive	Compliant
WEEE directive	Compliant
Packaging	L 206 x W 115 x H 106 mm
Weight (including box)	0.63 kg
Masterpack	4 pieces

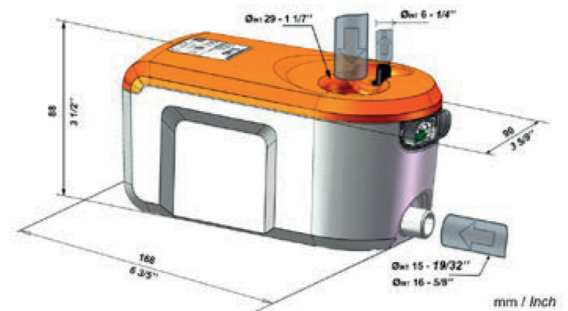
Applications

For use with any air-conditioning units,
up to 20 kW:

- Floor mounted & Ceiling suspended
- Cassette
- Ducted
- Fan-coils

Accessories

Name	#Part
 Clear PVC hose Ø int. 6 mm (1/4")	ACC00909: 5 m ACC00910: 50 m
 5 Self-sealing fitting for hose Ø int. 6 mm (1/4")	ACC00919
 Drain Safe Devices for hose Ø int. 6 mm (1/4")	ACC00922



Actual flow rates (l/h)

Total tube length using
(Ø int. 6 mm, 1/4") (A)

Discharge head (B)	5 m	10 m	20 m	30 m
0 m	20	19	18	17
2 m	16	15	14	13,5
4 m	11.5	11	10.5	10
6 m		8.5	7.5	6.5
8 m		6	5	4
10 m		4	3.5	2.5

