

DATA SHEET

Si-33

Piston pump

Sauermann® part #: SI33CE01UN23



Max flow rate

The high capacity Si-33 (30l/h) is suitable for air-conditioning units from 20 kW up to 30 kW. The piston pump inside the Si-33 is specifically designed for removing condensates from air conditioning systems, whatever the environment.

Benefits



Patented technology

- High performance: pump suitable for air-conditioning units from 20 kW up to 30 kW.
- High resistance to pollution created by general environment. Capable of discharging small particles.
- Proven Reliability.
- The Drain Safe Device retains prime and prolongs the pump life.



Low sound level

- Low sound level in operation: 34 dBA independently tested.
- Mounting bracket specifically designed to reduce vibration transmission to the wall / panel or pipework.



Easy to install

- Compact design.
- New mounting bracket: allows the pump to be wall mounted or hung from ceilings and pipework.
- Lockable plug-in power cord to avoid unintended disconnection.



Energy saving

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



Kit content

- Piston pump
- Clear PVC tube Ø int. 6 mm – L: 1 m, fitted with a "Drain Safe Device" pre-mounted
- Anti-vibration mounting bracket
- 1.5 m lockable plug-in power cable: 2 power wires, 2 safety switch wires
- 6 tie wraps, 2.5 x 100 mm
- Detection unit (SI2958, 1.5 m cable)
- Detection unit installation kit:
 - rubber elbow 90° Ø int.15 x L 60 mm,
 - vent tube Ø int. 4 x L 75 mm,
 - mounting rail, adhesive

Technical specifications

Max. flow rate	30 l/h
Max. suction head	3.3 m
Max. discharge head	13 m (flow rate = 8 l/h)
Max pressure	18 m (flow rate = 0 l/h)
Sound level at 1m EN ISO 3744 (Measured at LNE lab, pump operating with water, out of application)	≤ 34 dBA
Sound level in application at 1m: (Measured in Sauermann acoustic lab, pump operating with water)	≤ 36 dBA
Mains supply	230 V~ 50/60 Hz - 21 W
Insulation class	II (double insulation)
Detection levels	ON: 16 mm; OFF: 11 mm; Safety: 19 mm
Safety switch	NC 3 A resistive load – 250 V
Thermal protection (overheating)	115 °C (auto-reset)
Max. condensate temperature	35 °C
Operating and storage temperature	+2 to +50 °C
Operating conditions	50 %: 3 s ON – 3 s OFF
Protection	IP20
Safety standards	CE et EAC
RoHS directive	Compliant
WEEE directive	Compliant
Packaging	L 135 x W 135 x H 90 mm
Weight (including box)	0.48 kg
Masterpack	20 pieces

Applications

For use with any air-conditioning units, from 20 kW up to 30 kW:

- Wall mounted
- Ducted
- Ceiling suspended
- Fan-coils

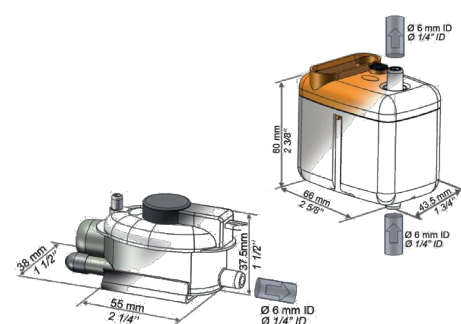
Accessories

Name	#Part
 Clear PVC hose Ø int. 6 mm (1/4")	ACC00909: 5 m ACC00910: 50 m



Self-sealing
fittings for hose
Ø int. 6 mm (1/4")

ACC00919



Actual flow rates (l/h)

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

Suction head (A)	Discharge head (B)	5 m	10 m	20 m	30 m
0 m	0 m	30	27	26	25
	2 m	26	24	23	22
	4 m	22	21	20	19
	6 m		18	17	16
	8 m		15	14	13
	10 m		12	11	10
1 m	12 m			8	7
	0 m	24	23	22	21
	2 m	20	19	18	17
	4 m	17	21	15	14
	6 m		16	12	11
	8 m		13	9	8
2 m	10 m		10	6	5
	0 m	21	20	19	18
	2 m	17	16	15	14
	4 m	14	13	12	11
	6 m		10	9	8
	8 m		7	6	5

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

Suction head (A)	Discharge head (B)	5 m	10 m	20 m	30 m
3 m	0 m	18	17	16	15
	2 m	15	14	13	12
	4 m		10	9	8
	6 m		6	5	4

