

# Si-33

## PISTON PUMP



### 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



- « **Sauerermann inside** » : **new piston, patented technology**
  - **High performance:** pump suitable for air-conditioning units from 20 kW up to 30 kW. It replaces the SI1730 and EE1750.
  - **High resistance to pollution** created by general environment. Capable of discharging small particles.
  - **Proven Reliability.**



- **Low sound level**
  - Low sound level in operation: **34 dBA independently tested.**
  - **New 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.**
  - **Plug-in power cord** to make maintenance and replacement hassle free.



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

### KIT CONTENTS



- Piston pump
- Anti-vibration mounting bracket
- Plug in power cable with 2 safety switch wires (1,5 m)
- 6 tie wraps, 2.5 x 100mm
- Detection unit (SI2958, 1.5m cable)
- Detection unit installation kit:
  - rubber elbow 90° Øint.15 x L 60mm,
  - vent tube Øint 4 x L 75 mm,
  - mounting rail,
  - adhesive.

## APPLICATIONS

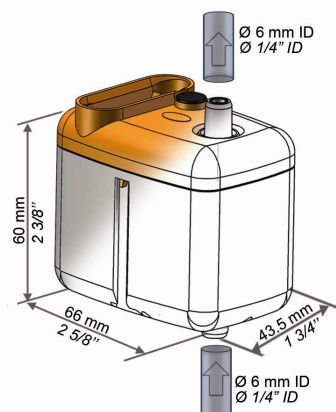
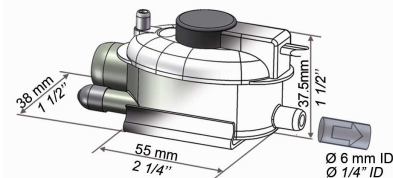
For use with any air-conditioning units, from 20 kW up to 30 kW:

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



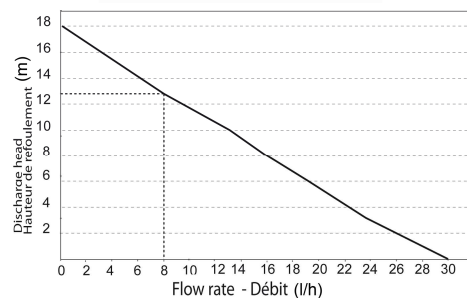
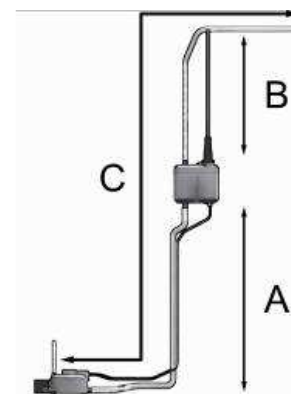
## TECHNICAL SPECIFICATION

Max. flow rate	30 l/h
Max. suction head	4 m
Max. discharge head	13 m (flow rate= 8l/h)
Max pressure	18 m (flow rate = 0l/h)
Sound level at 1m according to 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	□ (double insulation)
Detection levels	ON: 16mm, OFF: 11mm, AL: 19mm
Safety switch	NC 8 A resistive - 250 V
Thermal protection (overheating)	90°C (auto-reset)
Intermittent operation cycle	30%: 3s ON – 7s OFF
Protection	IP20
Safety standards	CE
RoHS directive	Compliant
DEEE directive	Compliant
Packaging	0,41kg - L112 x W91 x H91 mm
Masterpack	25 pieces



## ACTUAL FLOW RATES (l/h)

		Total tube length - Øint. 6 mm (1/4") hose (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	0 m	24	23	22	21
	2 m	20	19	18	17
	4 m	17	16	15	14
	6 m		13	12	11
	8 m		10	9	8
2 m	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
3 m	0 m	18	17	16	15
	2 m	15	14	13	12
	4 m		10	9	8
	6 m		6	5	4



## RECOMMENDED ACCESSORIES



**ACC 00105, ACC 00150, ACC 00151**  
Clear PVC hose, Øint. 6mm (1/4")  
ACC 00105 : 5m  
ACC 00150 : 50m  
ACC 00151 : reinforced, 50m



**ACC 00205**  
6 self-sealing fittings for hoses  
Øint. 6mm (1/4")



**ACC 00214**  
3 anti-siphon devices for hoses Øint. 6mm (1/4")