

A technician in a blue shirt is working in a server room. The room is filled with rows of server racks, and the lighting is a deep blue. The technician is standing next to a black metal cart with a laptop on it. The title "Precision Cooling System" is overlaid in white text at the top.

Precision Cooling System

Foundation of Digital Future

The professional cooling solutions for you to build highly
Reliable, Efficient and Green Data Center.

Customize with Expert

SmoothAir™ – Ceiling Mount



1

Highly reliable scroll compressor

2

Industry leading brands EC fan

3

Intelligent industry-leading controller with color touch screen. Supports BMS integration, teamwork and master/slave working policy.

4

A large area of high-efficiency heat exchanger

5

Industry-leading brands electronic expansion valve

6

A large area air filtration system closed to heat exchanger

7

Efficient electrode humidifier

8

Modular design easy installation and expansion during project life cycle

SmoothAir™ – Ceiling Mount



Key Configurations

- EC/Inverter Fan Stepless Speed Adjusting
- Standard Quick Connection for small capacity models.
- Efficient Finned with Heat Transfer Enhancement
- High-quality Anti-corrosion Coating
- Compatible 55C Ambient Temperature with R134a Refrigerant
- Internally Threaded Piping
- IP55 Waterproof Electrical Box

SmoothAir™ – Ceiling Mount

Technical Data

Model	S-012CAY	S-035CAY
Total Capacity-kW	12.8	36.8
SHR -%	100	100
Air Volume -m3/h	2500	7500
Mount Type	Ceiling	Ceiling
Height –mm	500	500
Depth –mm	1200	1200
Width –mm	1500	1500
Weight –kg	130	180
Reheat(optional) –kW	1.2	2.4
Hum.(optional) -kg/h	0.5	0.5
Power Input ¹⁾	380-415V/50-60Hz/3Ph	380-415V/50-60Hz/3Ph
FLA –A ¹⁾	19	36
Power Input ²⁾	-	-
FLA –A ²⁾	-	-
Outdoor Unit	KSF18AC	KSF52AC
Height -mm	1240	1760
Depth -mm	420	1100
Width -mm	800	2000
Leg Height -mm	-	-
Weight -kg	85	290
Power Input ¹⁾	380-415V/50-60Hz/3Ph	380-415V/50-60Hz/3Ph
FLA –A ¹⁾	16	30
Power Input ²⁾	-	-
FLA –A ²⁾	-	-

Notes:

- 1, Air flow is based upon maximum setting. Fan modulates per real loads.
- 2, Cooling capacity based on 37°C/24%RH return air and 35°C outdoor temperature with the standard condenser.
- 3, FLA of indoor unit includes FLA of outdoor unit, and outdoor unit power connected from indoor unit.
- 4, Standard unit works -15°C and above outdoor temperature. Select low temperature kit to work -35°C and above outdoor temperature.
- 5, Maximum temperature of outdoor ambient can be 55C.