

SmoothAir™ – Rack Mount

Modular Precision Air Conditioner

> > Foundation of Digital Future

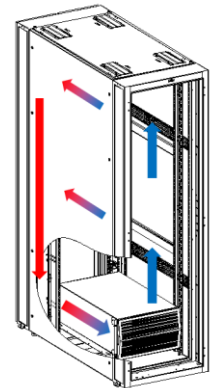


Efficiency Prefabricated

SmoothAir | Rack Mount DX

Air cooled, rack mount, split type, suitable for micro data center, mini modular data center solutions.

3.9kW-12.0kW



1

Inverter compressor and EC fan works at high efficiency, maintains temperature within envelop and prevent compressor from cycling during low heat load period.

2

Standard rack mount structure fully compatible with server rack is flexible for future expansion.

3

Precision cooling controller monitors and protects unit constantly. Easy to be integrated into BMS to display, control and manage the system.

4

Slide drawer style electric box makes service easier.

5

Copper piping adopts quick connection and supports bottom and top connections.

6

Compressor locating in outdoor unit lowers the noise level then better suits customer expectation of mini data center application.

7

R410A green refrigerant is highly efficient and no ODP.

8

Front air outlet suitable for installation on flexible height in a rack.

SmoothAir | Rack Mount DX

Technical Data

Model	S-003KA	S-005KA	S-007KA	S-012KA
Total Capacity-kW	3.9	5.9	8.6	12.8
SHR -%	100	100	100	100
Air Volume -m3/h	700	1100	1200	2400
Mount Type	Rack	Rack	Rack	Rack
Height -mm	266(6U)	355(8U)	445(10U)	533(12U)
Depth -mm	828	828	828	828
Width -mm	483	483	483	483
Weight -kg	31	43	52	70
Reheat(optional) -kW	1.2	1.2	2.4	2.4
Hum.(optional) -kg/h	-	-	-	-
Power Input ¹⁾	208-240V/50-60Hz/1Ph-2Ph	208-240V/50-60Hz/1Ph-2Ph	208-240V/50-60Hz/1Ph-2Ph	380-415V/50-60Hz/3Ph
FLA -A ¹⁾	13.9	15.2	21.6	18
Power Input ²⁾	-	-	-	208V/60Hz/3Ph
FLA -A ²⁾	-	-	-	32.9
Outdoor Unit	KSF06AC	KSF08AC	KSF12AC	KSF18AC
Height -mm	632	790	790	1240
Depth -mm	395	420	420	420
Width -mm	800	800	800	800
Leg Height -mm	-	-	-	-
Weight -kg	35	38	50	77
Power Input ¹⁾	208-240V/50-60Hz/1Ph-2Ph	208-240V/50-60Hz/1Ph-2Ph	208-240V/50-60Hz/1Ph-2Ph	380-415V/50-60Hz/3Ph
FLA -A ¹⁾	12.6	13.2	19.6	16
Power Input ²⁾	-	-	-	208V/50-60Hz/3Ph
FLA -A ²⁾	-	-	-	29.3

Notes:

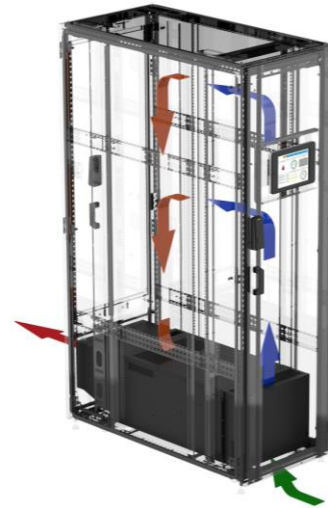
- 1, Air flow is based upon maximum setting. Fan modulates per real loads.
- 2, Cooling capacity based on 37°C/24%RH return air and 35°C outdoor temperature with the standard condenser.
- 3, FLA of indoor unit includes FLA of outdoor unit, and outdoor unit power connected from indoor unit.
- 4, Standard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

SmoothAir | Bottom Mount Packaged DX

Air cooled package type cooling unit, mounted at bottom or rack. No complex installation.

Capacity: 3.5kW

Height: 8U



1

Industry top brand compressor. Highly reliable and efficient.

2

Precision cooling controller monitors and protects unit constantly. Easy to be integrated into BMS to display, control and manage the system.

3

Compatible with standard rack size forms unified and integrated micro data center solution.

4

Packaged design easy for installation, service and shipping.

5

Rack mount means good air management of hot/cold stream and no concern of water leak.

6

Green refrigerant is highly efficient and no ODP.

SmoothAir | Bottom Mount Packaged DX

Technical Data

Model		S-003HAN
Total Capacity - kW		3.5
SHR -%		100
Airflow -m3/h		700
Reheat -kW		1.2
Humidification -kg/h		N/A
Mount Type		Rack Bottom
Power Input		220V/50Hz/60Hz/1Ph
Height -mm		355 (8U)
Depth -mm		900
Width -mm		440
Weight -kg		45
Cooling Type		Air Cooled DX
Refrigerant		R410A
FLA -A		13.5
Monitoring Port		RS485
Working Range-°C		-15-45

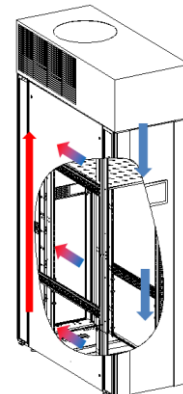
Notes:

1. Cooling capacity based on 37°C/24%RH return air and 35°C outdoor air.
2. Options including SNMP monitoring protocol.

SmoothAir | Top Mount Packaged DX

Air cooled, top mount, indoor and outdoor packaged, suitable for micro data center, mini modular data center solutions.

2.5kW – 5.5kW



1

Industry top brand compressor. Highly reliable and efficient.

2

Precision cooling controller monitors and protects unit constantly. Easy to be integrated into BMS to display, control and manage the system.

3

Compatible with standard rack size forms unified and integrated micro data center solution.

4

Packaged design easy for installation, service and shipping.

5

Top mount means good air management of hot/cold stream and no occupying of IT space.

6

Green refrigerant is highly efficient and no ODP.

SmoothAir | Top Mount Packaged DX

Technical Data

Model	S-002TA	S-003TA	S-005TA
Total Cooling-kW	2.5	3.5	5.5
SHR-%	100	100	100
Air Volume-m3/h	500	600	1200
Mount Type	Top	Top	Top
Cooling Type	DX	DX	DX
Height-mm	390(9U)	390(9U)	521(12U)
Depth-mm	1100	1100	1100
Width-mm	600	600	600
Weight-kg	50	55	65
Power Input	208-240V/50Hz-60Hz/1Ph-2Ph	208-240V/50Hz-60Hz/1Ph-2Ph	208-240V/50Hz-60Hz/1Ph-2Ph
FLA-A	5.5	6.5	7.8

Notes:

1. Cooling capacity based on 37°C/24%RH return air and 35°C outdoor air.
2. Options including SNMP monitoring protocol, condensate evaporation kit.

Our Global Deployments



We believe the world is
being totally connected.
The digital connections are
creating smart intelligence
and a **better future**.

We design and deliver
green efficient data center
infrastructure products to
build foundation of digital
future.



USA

1450 NE Alex Way APT 299
Hillsboro, OR 97124, USA
+1 301 6789 288



CHINA

F101, #06 Yangchong Road,
Shenzhen, 518018, China
+86 755 2320 7298

Contact us
ATTOM TECHNOLOGY



Visit us on web
<https://www.attom.tech>



Email us
support@attom.tech

