

SmoothAir™ – Rack Mount

Modular Precision Air Conditioner

>> Foundation of Digital Future

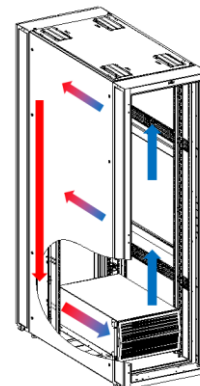


Efficiency Prefabricated

SmoothAir | Rack Mount DX

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

3.9kW-12.0kW



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|--|--|
| <p>1 Inverter compressor and EC fan works at high efficiency, maintains temperature within envelop and prevent compressor from cycling during low heat load period.</p> | <p>5 Copper piping adopts quick connection and supports bottom and top connections.</p> |
| <p>2 Standard rack mount structure fully compatible with server rack is flexible for future expansion.</p> | <p>6 Compressor locating in outdoor unit lowers the noise level then better suits customer expectation of mini data center application.</p> |
| <p>3 Precision cooling controller monitors and protects unit constantly. Easy to be integrated into BMS to display, control and manage the system.</p> | <p>7 R410A green refrigerant is highly efficient and no ODP.</p> |
| <p>4 Slide drawer style electric box makes service easier.</p> | <p>8 Front air outlet suitable for installation on flexible height in a rack.</p> |

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:

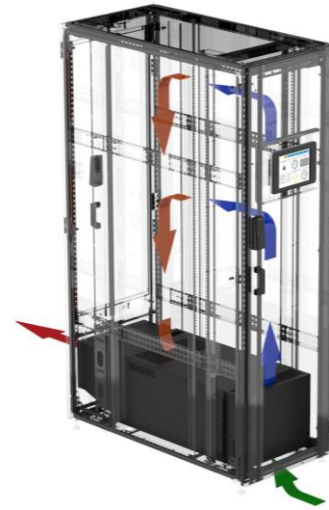
- 1, Air flow is based upon maximum setting. Fan modulates per real loads.
- 2, Cooling capacity based on 37°C/24%RH return air and 35°C outdoor temperature with the standard condenser.
- 3, FLA of indoor unit includes FLA of outdoor unit, and outdoor unit power connected from indoor unit.
- 4, Standard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

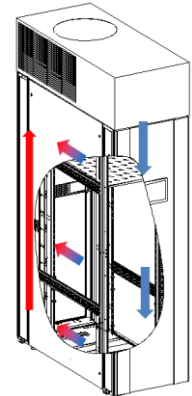
Notes:

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-m ³ /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.