



InRack Cooler HD – 19" Rack Mount

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

InRack Cooler HD – 19" Rack Mount

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

3.9kW-12.0kW



Unit inside the rack



Outdoor Unit

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

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Technical Data

Inside Unit	IRC35	IRC60	IRC70	IRC120
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 19"	Rack 19"	Rack 19"	Rack 19"
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	UE35	UE60	UE70	UE120
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.



Organize and Protect your IT infrastructure