InRack Cooler HD – 19" Rack Mount

The professional cooling solutions for you to build highly Reliable, Efficent and Green Data Center
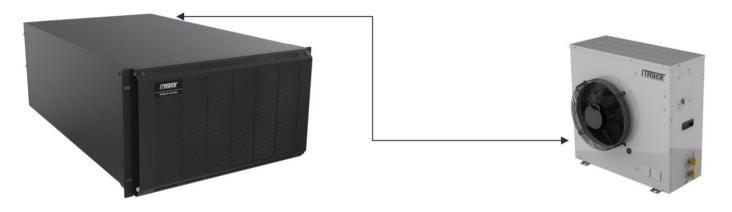
Efficiency Cooling

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.

➢ R32 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℃/24%RH return air and 35℃ 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℃ and above outdoor temperature. Select low temperature kit to work -35℃ and above outdoor temperature.
- The air conditioners do not contain refrigerant gas to allow for transport, which is charged by the customer.

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