



# Cool Door System (CDS)

Targeting and extracting heat at the source makes the OptiCool® Cool Door® System (CDS) the benchmark for reliable and efficient data center cooling.

The OptiCool CDS is an active rear door heat exchanger (RDHx) that can be mounted directly to the back of any standard equipment rack using a Door Transition Kit (DTK) that maintains the internal space of the rack. The design of the CDS provides the flexibility to install up to three Active Heat eXtractors (AHXs) per door. OptiCool's calibrated solution is engineered to maintain ambient room temperature to allow your equipment to perform as specified.



## Active Heat eXtractor (AHX) units

The OptiCool AHX is a high-performance, variable-speed unit that adjusts to the heat load within your equipment rack to maximize efficiency. AHXs are fed with dual power distribution units and are placed in alignment with the heat load to extract heat from the rack. Each AHX moves air over its evaporator coils to remove the heat and provide a room-neutral temperature that minimizes the thermal impact of your equipment on the space. Each evaporator coil in the AHX is encased in a frame with a protective guard.

Our CDS can include blanking panels to ensure efficiency when the cooling application requires less than a full complement of AHXs per door. Additionally, clients who rely on hot aisle containment in their data centers can experience enhanced cooling efficiency with our AHX fan-only model. Streamlined and economical, this innovative solution optimizes white space conditions without the need for pump units or a coolant distribution network.

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## PRODUCT SPECS

CDS	30kW Door	60kW Door
# of AHX supported	0 to 3	0 to 3
AHX dimensions	22.7in x 13.7in x 6.13in	22.7in x 19.5in x 8.25in
AHX unit weight	20lb	35lb
Door weight (empty)	35lb to 57lb	35lb to 57lb
Total door depth	8.75in (2in door and 6.75in DTK)	8.75in (2in door and 6.7in DTK)
DTK weight	25lb to 40lb	25lb to 40lb
Blanking panel weight	1lb to 2.5lb	1lb to 2.5lb
Power distribution weight	2.5 lb	2.5lb
Power supply weight	6.5lb	6.5lb
Power input	Single or dual	Single or dual
Maximum power consumption per AHX	131.5 watt	131.5 watt
Inlet sensors	Redundant A/B temperature sensors	Redundant A/B temperature sensors
Certification	ISO 9001-2015	ISO 9001-2015
NEBS seismic compliant	Yes	Yes
Assembly point	USA	USA

