DCX 240 kW

Liquid Cooling Optimized Dry Cooler

Overview

Experience a new era of thermal management for your immersion racks with the revolutionary 240 kW Dry Cooler. This innovative solution leverages advanced air-based cooling technology to deliver exceptional heat transfer capacity, optimizing your data center operations while maximizing space efficiency. Over 240 kW of heat transfer capacity in 35°C ambient conditions, exceeding 280kW at lower temperatures (20-25°C). Extensive 200 m² heat exchange area facilitates efficient heat dissipation, guaranteeing optimal server performance and longevity. Three standard 56-70 dB fans deliver powerful airflow across the heat exchanger, ensuring efficient heat removal. Compact footprint of 200 x 160 x 160 cm allows for flexible placement, either standing or on a table-top platform. Choose high-performance mode (1.7-2.2 kW) for situations requiring maximum cooling capacity, or opt for the moderate mode that utilizes up to 40% less energy for everyday operations, promoting superior energy efficiency.

Tech spec

Specifications	
Application	Immersion of Direct Chip cooling systems heat rejection
Cooling capacity (35°C)	240kW
Cooling capacity (25°C)	280 kW
Dimensions	2100 | 1600 | 1600 mm
Fans	2 x 800 mm
Noise level	58-72 dB(A)
Max. power consumption	3.6 kW
Power Standard	400V/3Ph/50hz/1.4-0.9A
Fittings	2" / DN50 or 3" / DN80
Fluid temperature In / Out	60 / 40°C
Transport weight	800 kg | 1764 lb
Nominal volume flow	10.3 m³/h
Pressure drop	0.37 bar

Why Choose DCX 240 kW Optimized Dry Cooler?

Capacity

Boasts over **240 kW** of heat transfer capacity, exceeding **280 kW**.

Performance

With a **200 m²** heat exchange area and powerful fans, effectively dissipates heat.

Sustainability

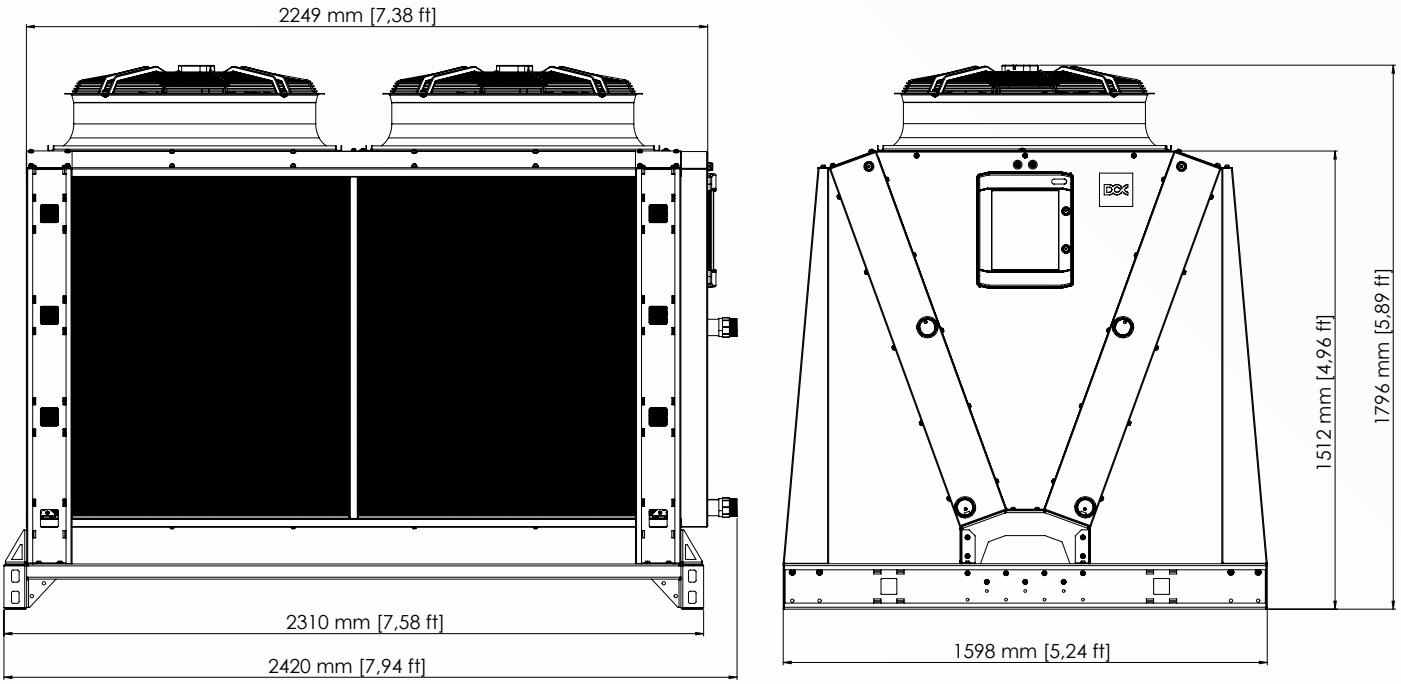
Eliminates the need for water, minimizing environmental footprint.

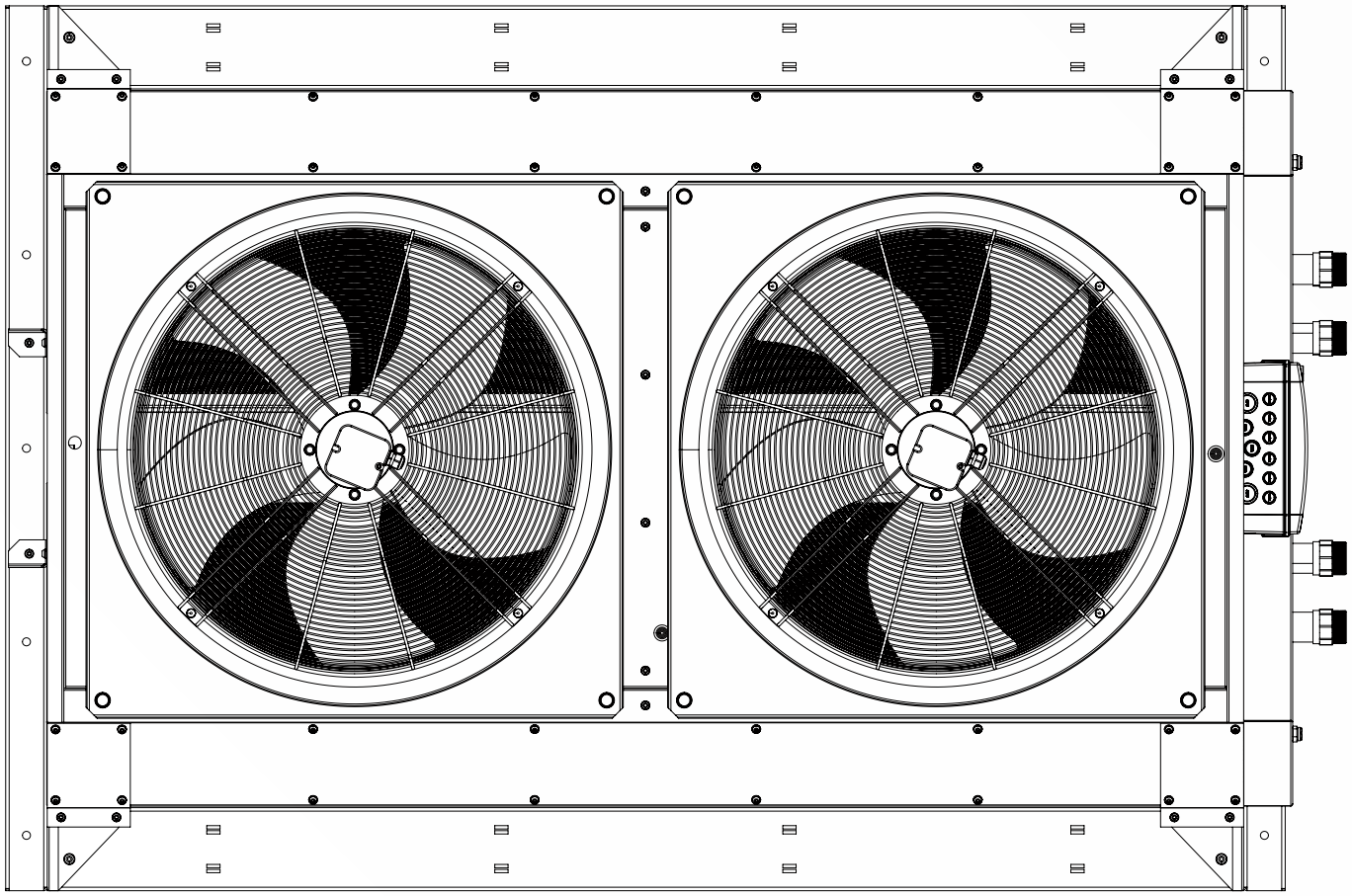
Energy Efficiency

Moderate mode that uses up to **40%** less energy for everyday operations.

Technical drawings

Of 240 kW Optimized Dry Cooler





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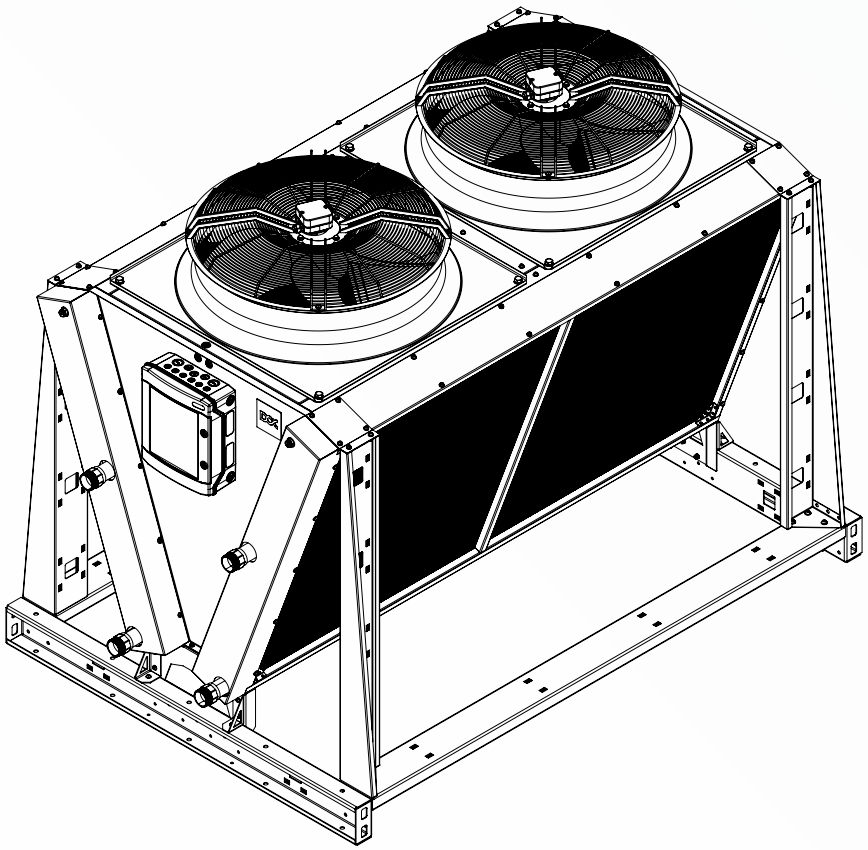
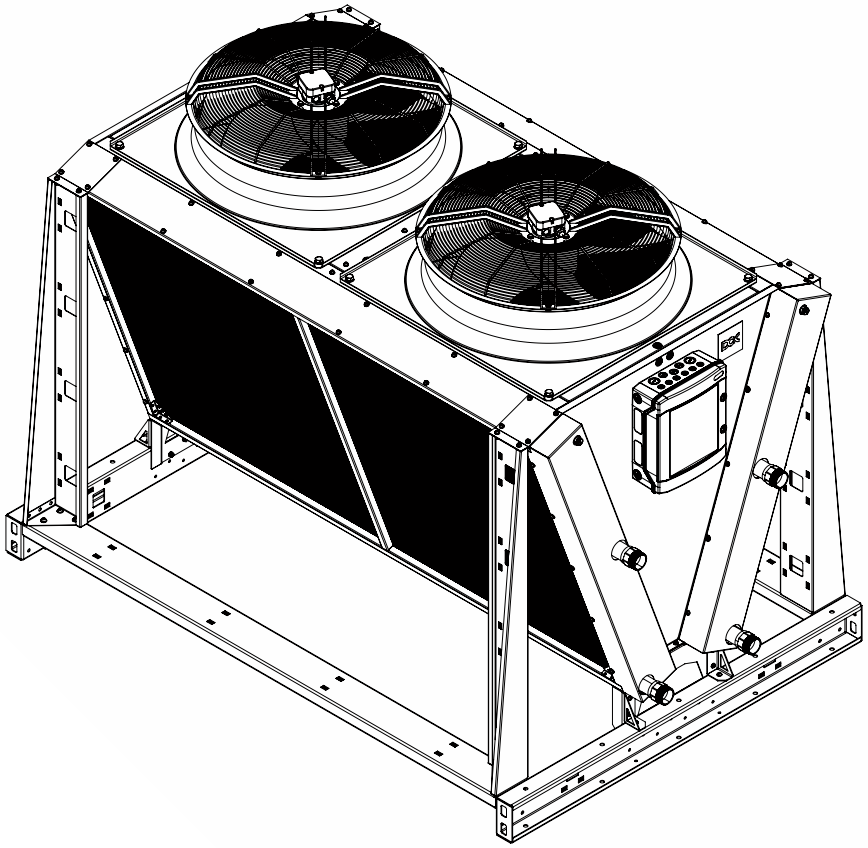
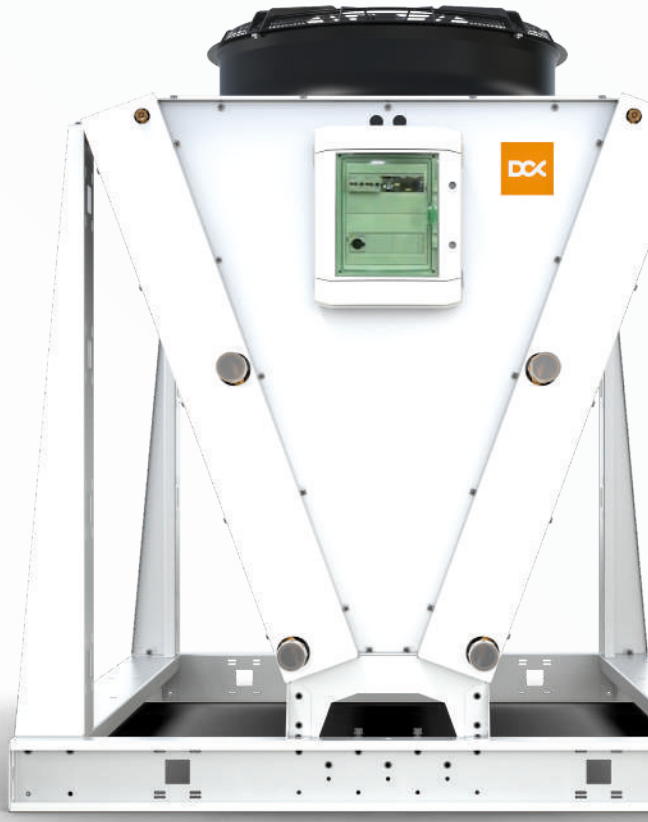
Of 240 kW Optimized Dry Cooler





Example Deployment

Of 240 kW Optimized Dry Cooler



The deployment pictured shows the DCX 240 kW Dry Cooler integrated into a high-capacity immersion cooling system. Installed outdoors, the unit connects to indoor immersion tanks via **insulated, closed-loop piping**. This piping ensures efficient thermal transfer while minimizing energy loss and protecting the coolant from environmental exposure.

The dry cooler acts as the final stage in the heat rejection process, expelling heat from the dielectric fluid into the ambient air—**completing the immersion cooling system without requiring water or active refrigeration**. Its robust build and weather-resistant casing allow for year-round outdoor operation, while its fan-driven air exchange system ensures stable thermal performance even under heavy computing loads.

This setup represents a **scalable, sustainable, and fully self-contained cooling architecture**, suitable for data centers and mining operations looking to maximize uptime and energy efficiency without compromising on thermal performance.