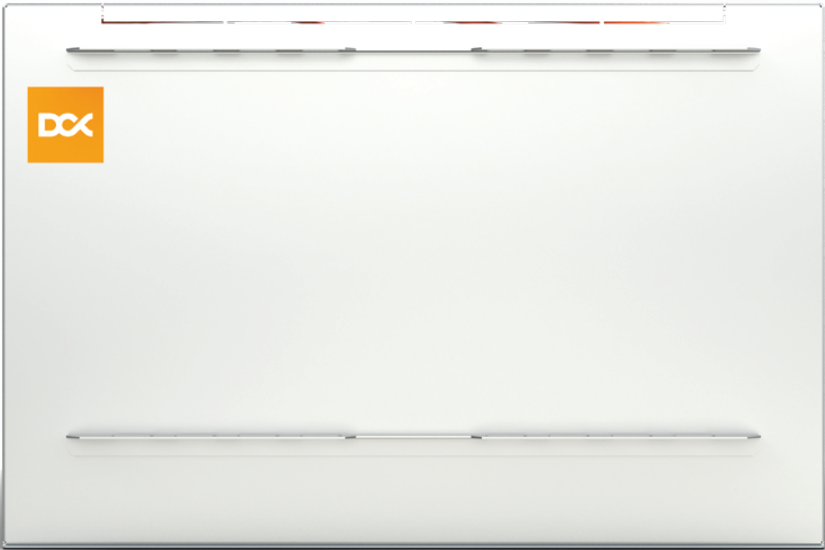# DCX PRO9
Immersion Mining Enclosure

Overview

The **DCX PRO 9** is a purpose-built immersion cooling enclosure designed to support modern, high-density crypto mining operations. Engineered for performance, efficiency, and modular scalability, it forms the core of both standalone setups and large-scale containerized systems. With a cooling capacity of up to **40 kW**, the PRO 9 is optimized for next-gen hardware, including support for up to **8 Antminers S19/S21.** or equivalent high-performance miners. Its internal design ensures uniform fluid circulation across all devices, enabling stable overclocking and extending hardware lifespan.

Tech spec

Specifications	
Dimensions (L | W | H)	800 | 850 | 500 mm
Heat Transfer Capacity	40 kW
General construction	All-steel
Heat Exchanger	Brazed Plate with nominal capacity 150 kW
Circulation Pump	Custom circulation pump
Dielectric Fluid	200-230 L
Heat Rejection	Primary water or water-glycol loop
Max temperatures	Inlet: 40°C / 104°F | Outlet: 68°C/154°F
Power Distribution	DCX Immersion Enclosure PDU
Monitoring	Optional sensors with supply or return temperatures monitoring

Why Choose DCX PRO9 Immersion Mining Enclosure?

Capacity

The PRO 9 Enclosure supports up to **8 Antminers S19/S21** and handles **40 kW** of heat transfer.

Performance

It ensures highly effective cooling with a **70%** improvement in thermal performance.

Sustainability

Steel design and **stackable** modular system enable **long-term, large-scale** deployments.
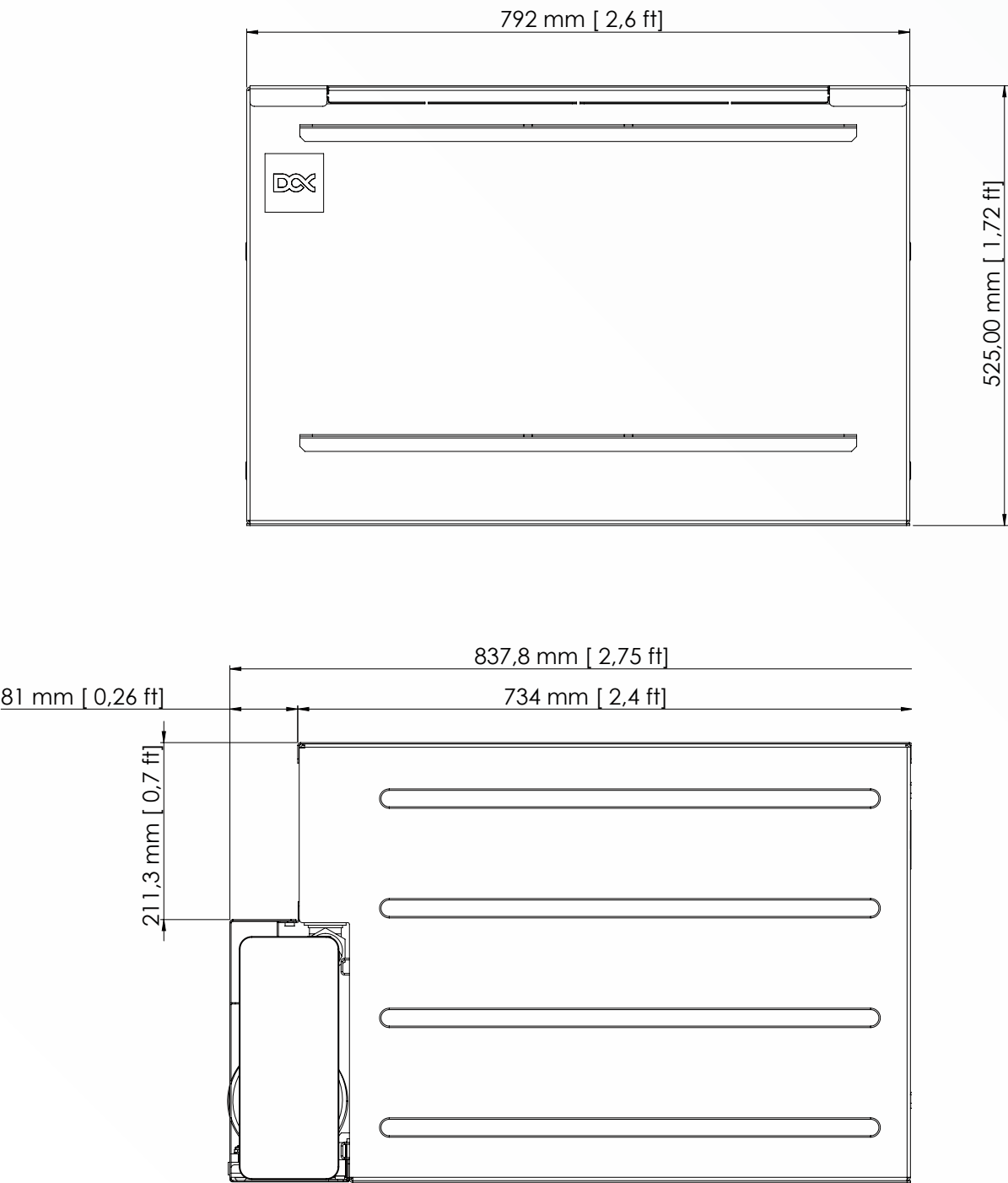
Energy Efficiency

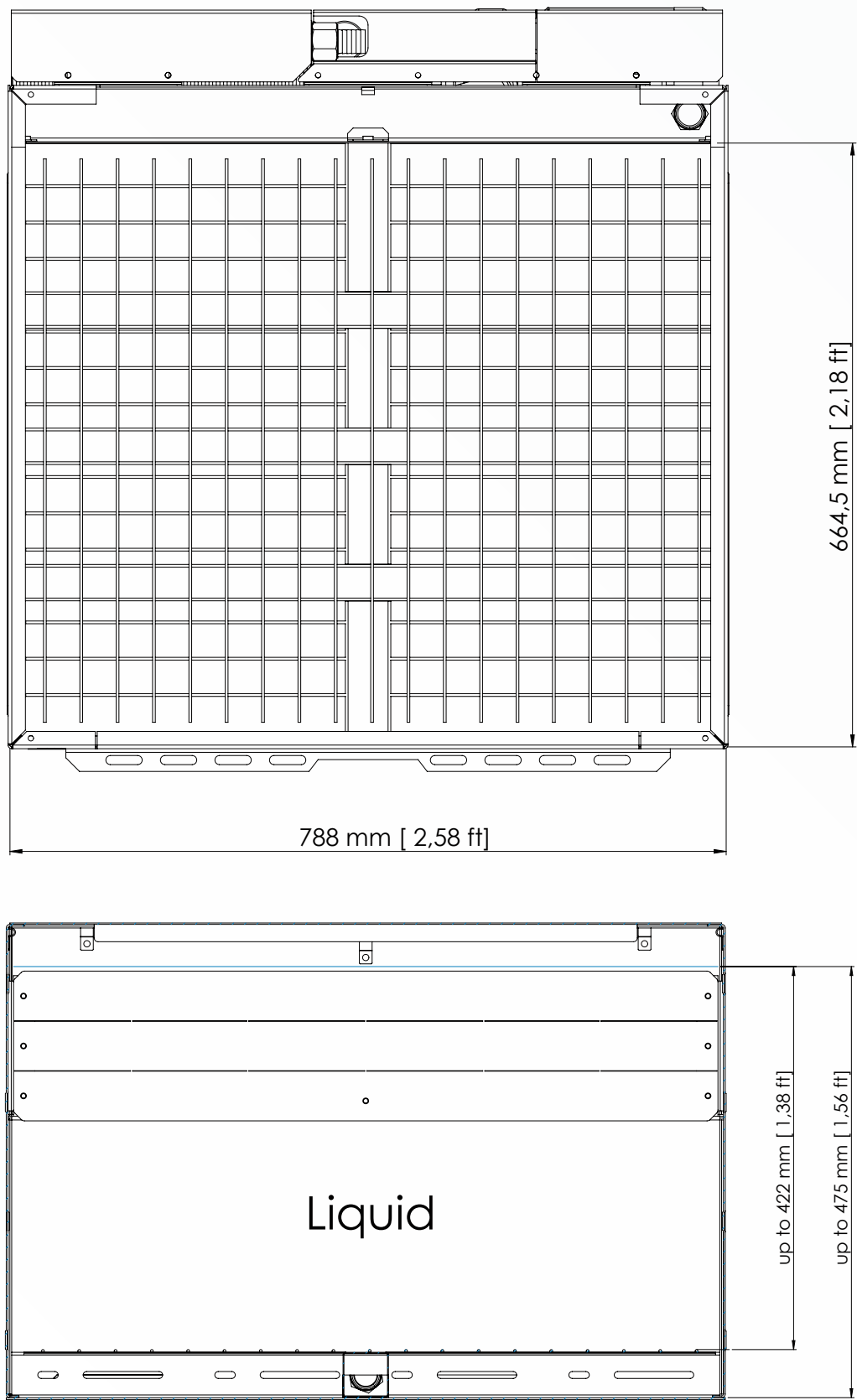Optimized flow design **reduce energy consumption** and improve thermal management.

Technical drawings
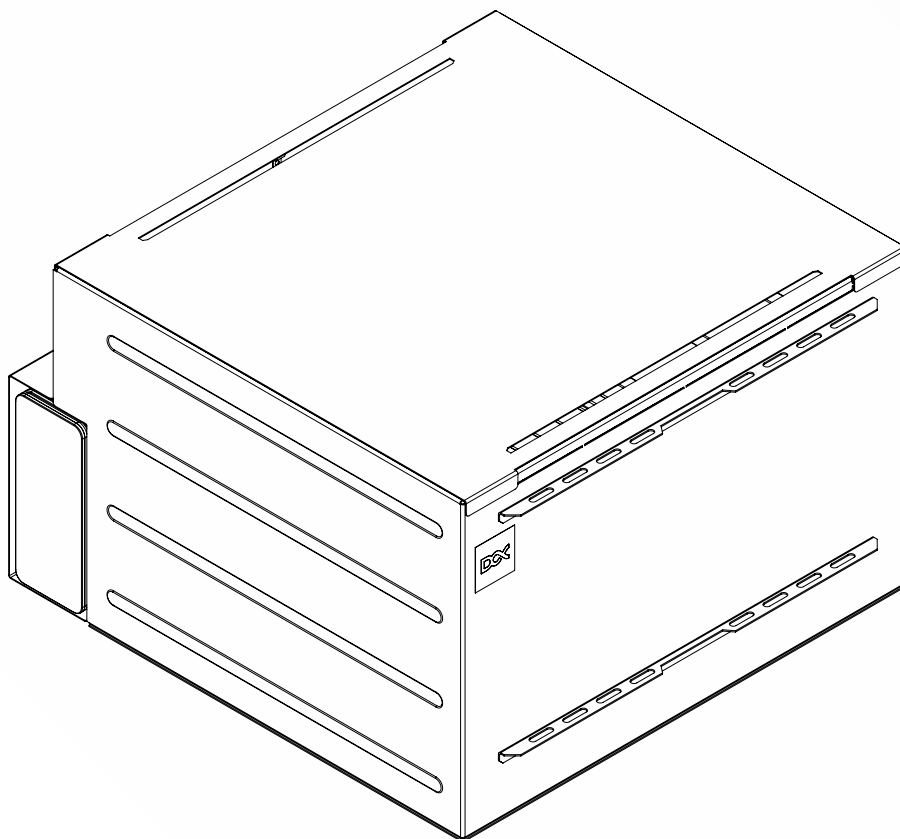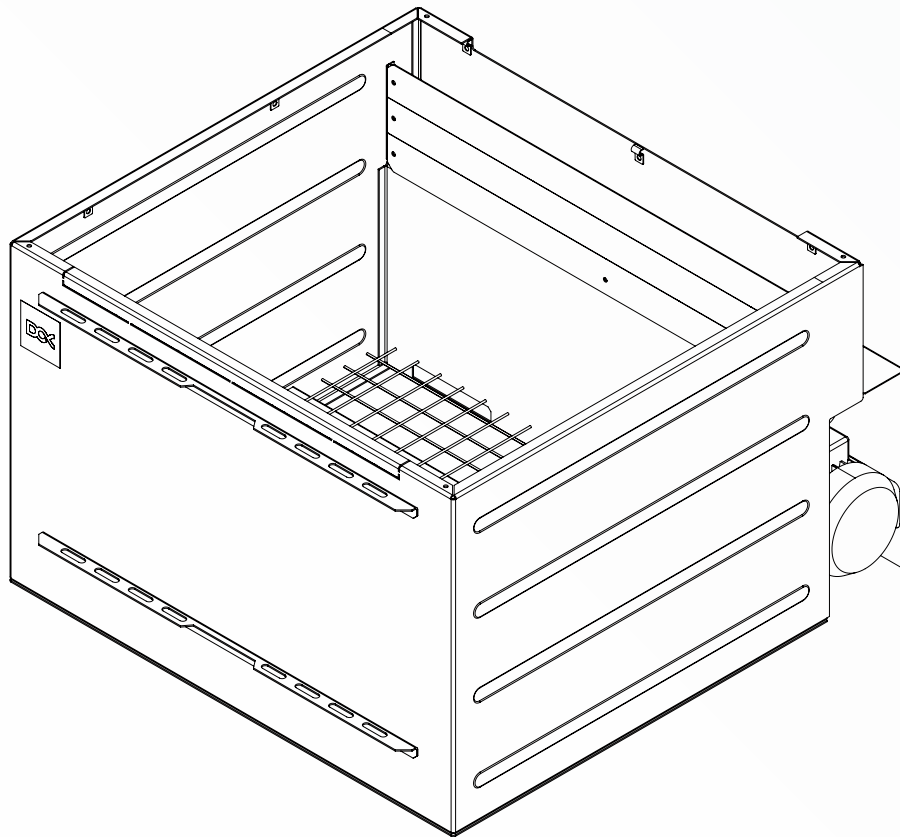
Of DCX PRO9 Immersion Mining Enclosure

792 mm [2,6 ft]

525,00 mm [1,72 ft]

837,8 mm [2,75 ft]

81 mm [0,26 ft]

734 mm [2,4 ft]

211,3 mm [0,7 ft]

Technical drawings

Of DCX PRO9 Immersion Mining Enclosure

664,5 mm [2,18 ft]

788 mm [2,58 ft]

Liquid

up to 422 mm [1,38 ft]

up to 475 mm [1,56 ft]
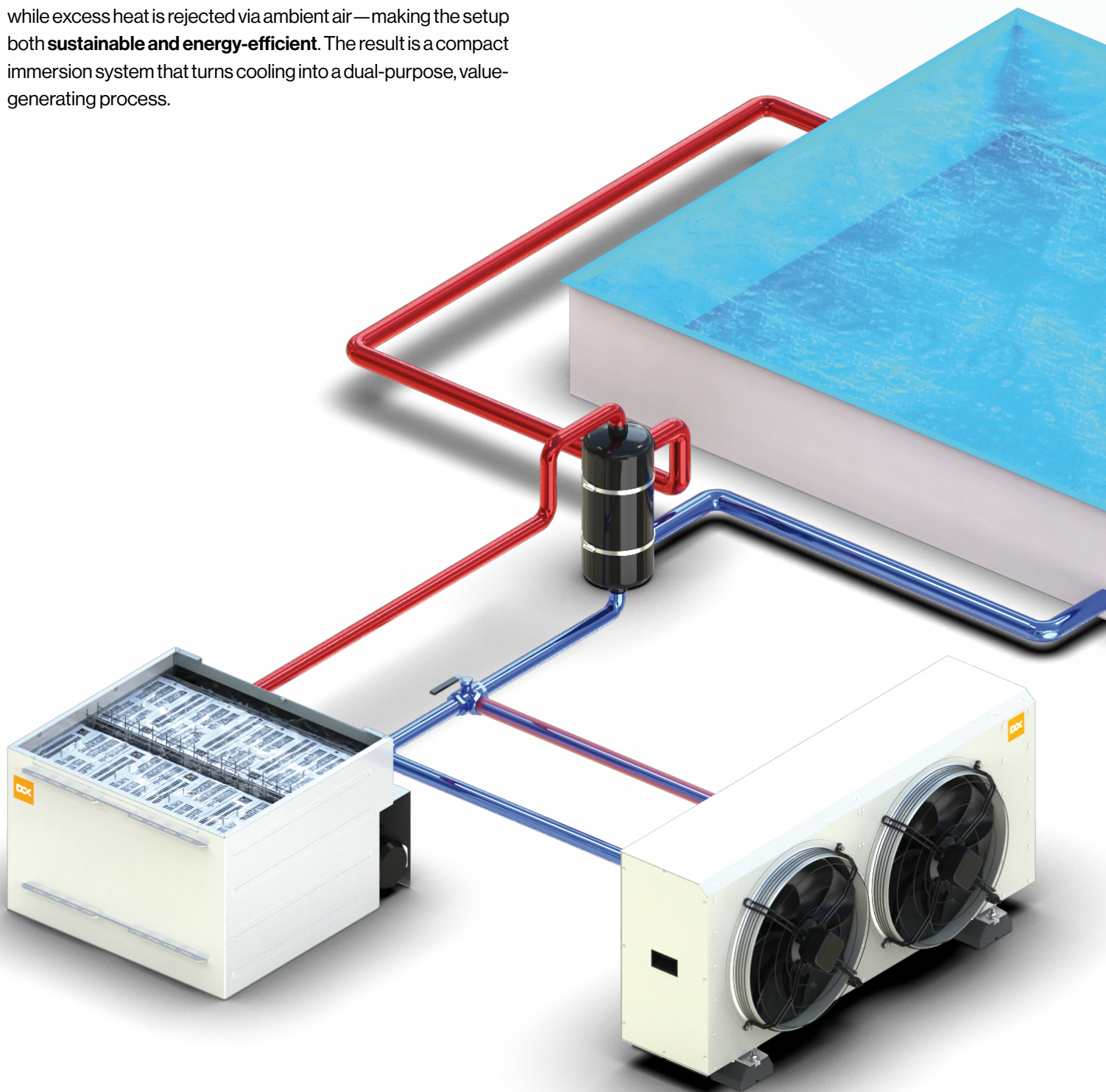
Technical drawings

Of DCX PRO9 Immersion Mining Enclosure

Heat reuse opportunities
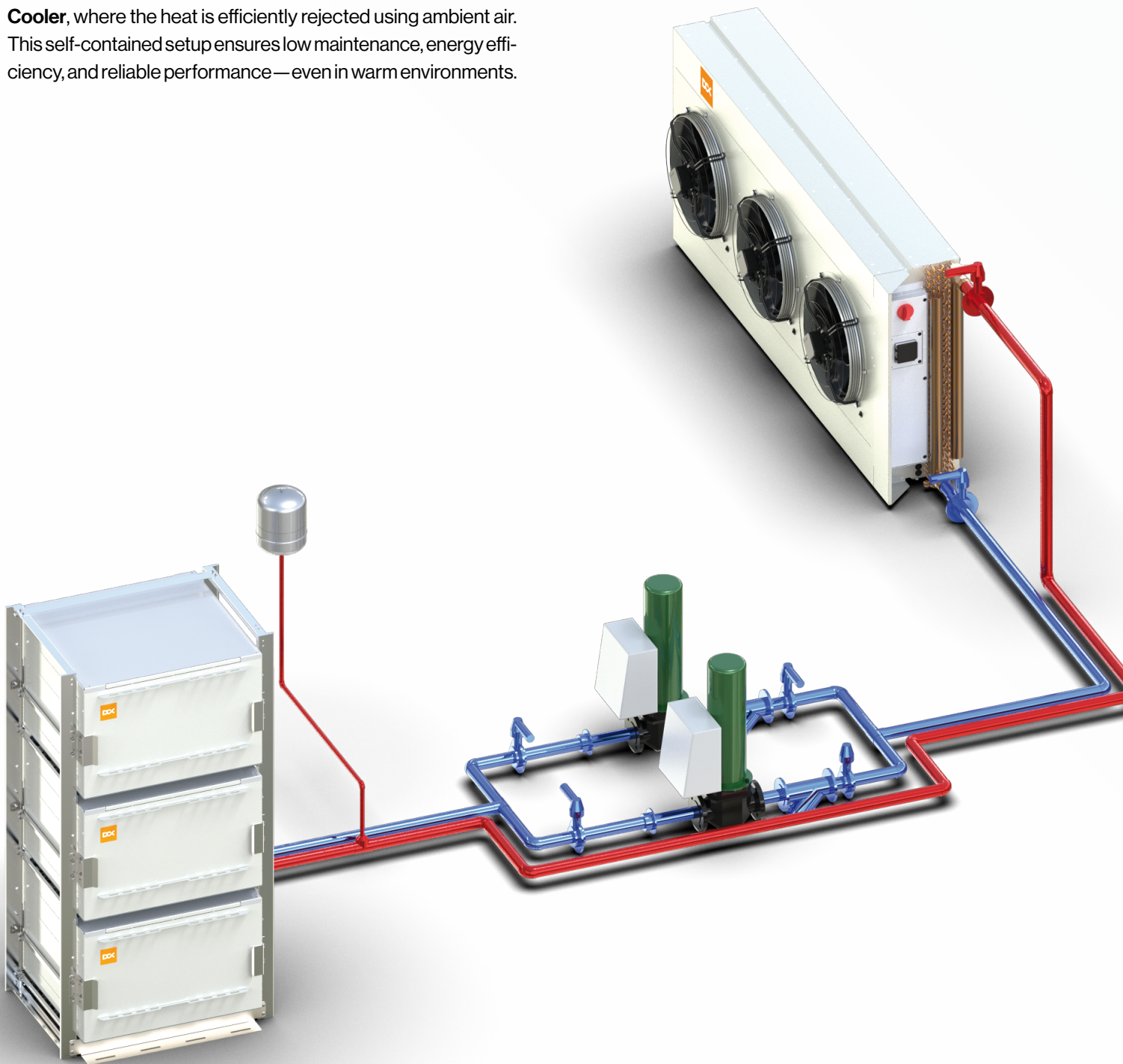
Of DCX PRO9 Immersion Mining Enclosure

This deployment showcases the **DCX PRO 9 Immersion Enclosure** integrated into a smart heat reuse system. Connected to a **DCX ICP40 Dry Cooler** and a swimming pool heat exchanger, the PRO 9 not only cools high-performance miners efficiently but also recovers waste heat for secondary use. A portion of the thermal energy is redirected to heat a pool, while excess heat is rejected via ambient air—making the setup both **sustainable and energy-efficient**. The result is a compact immersion system that turns cooling into a dual-purpose, value-generating process.

Example Deployment
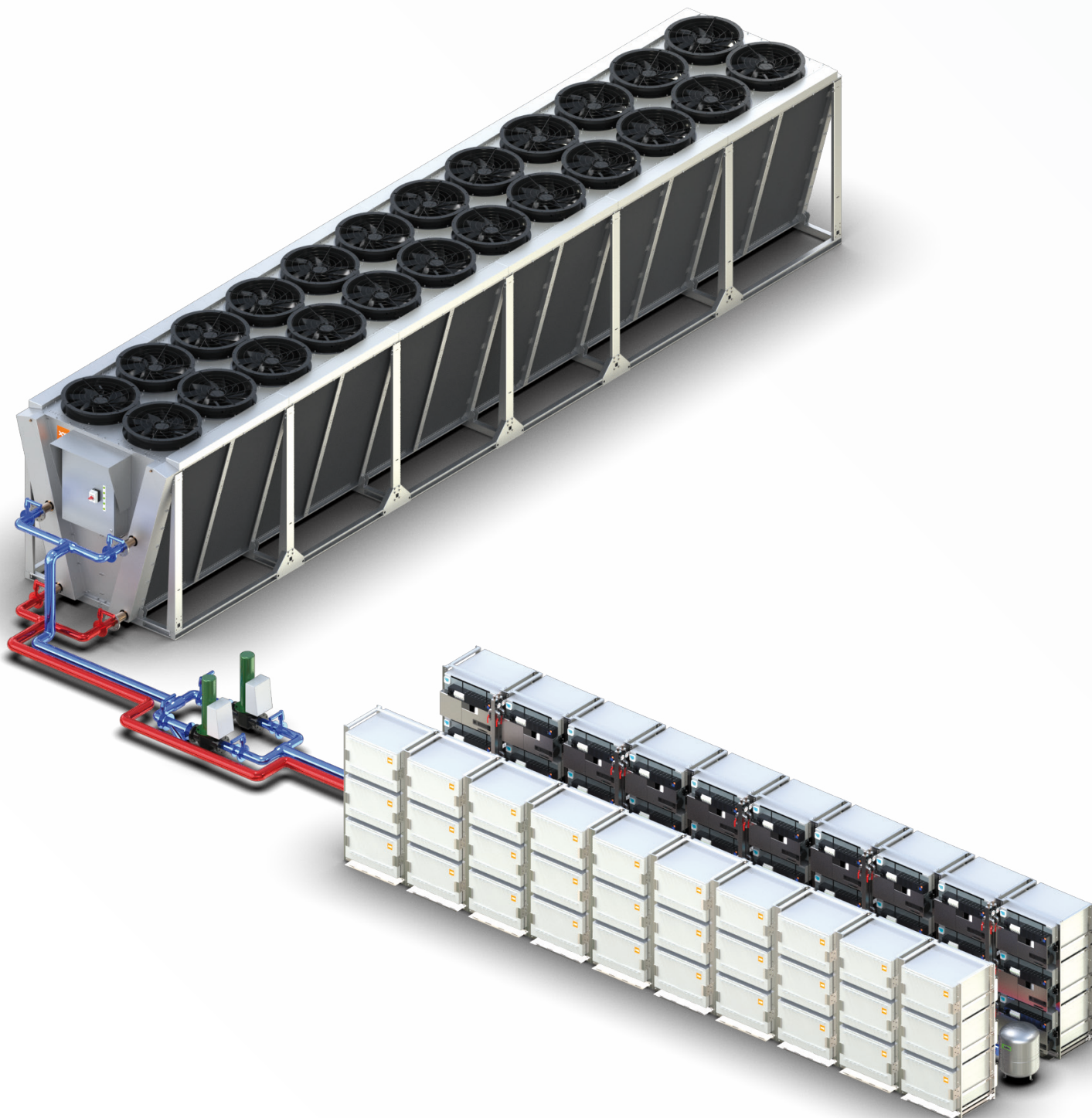
Of DCX PRO9 Immersion Mining Enclosure

This deployment highlights the **DCX PRO 9 Immersion Rack System**, combining three stacked PRO 9 tanks with a fully integrated pump loop and external dry cooler. Designed for high-density, scalable mining, the rack system supports up to **15 Antminer S21 XP IMM** units in a compact footprint. Heated dielectric fluid is circulated from the tanks to a **DCX 120 kW Dry Cooler**, where the heat is efficiently rejected using ambient air. This self-contained setup ensures low maintenance, energy efficiency, and reliable performance—even in warm environments.

Example Deployment

Of DCX PRO9 Immersion Mining Enclosure

This deployment pairs 20 **DCX PRO 9 Rack Systems** with a **2 MW dry cooler**, forming a high-density, energy-efficient cooling system for industrial-scale mining. Each enclosure supports 5 Antminer S21 XP IMM units, with a centralized pump loop ensuring optimal fluid circulation. The dry cooler provides reliable heat rejection even in 35°C ambient conditions—making this setup ideal for scalable, containerized operations.

Example Deployment

Of DCX PRO9 Immersion Mining Enclosure

The PRO 9 is stackable in the **DCX Rack System**, making it ideal for **containerized deployments** in 20HC and 40HC ISO formats. Each enclosure can be equipped with **integrated sensors** for temperature and fluid monitoring, and connects seamlessly to DCX dry coolers, pump stations, and heat reuse systems — delivering a plug-and-play path to energy-efficient mining.