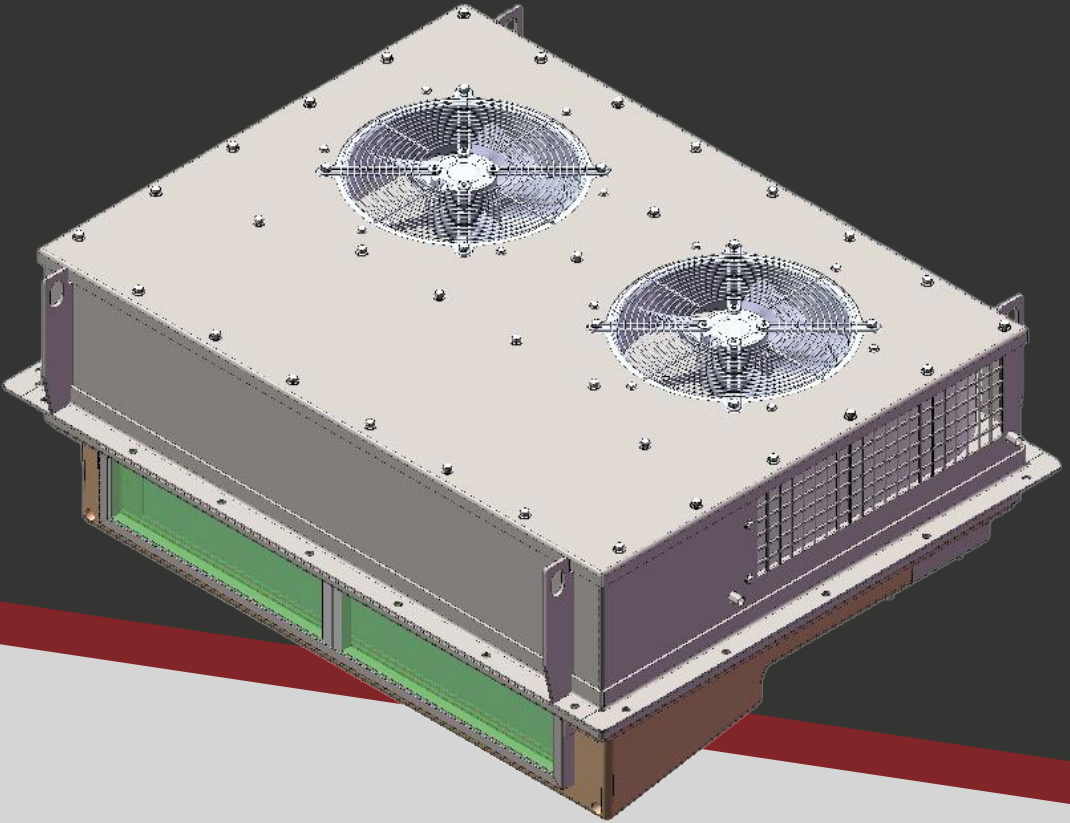


HVAC ROOFMOUNT



PRODUCT OVERVIEW

The Ekyrail Roof-Mounted HVAC System is engineered specifically for the demanding conditions of locomotive operations, providing dependable cooling performance and long-term durability. Built around a fully redundant dual-circuit architecture, the system ensures continued climate control even in the event of a compressor or refrigeration circuit failure.

Each refrigeration circuit operates independently with its own compressor and condenser fan, maximizing reliability and reducing operational downtime. The unit also incorporates fully integrated Ekyrail inverters, allowing optimized compressor and fan control while simplifying electrical integration.

Designed with retrofit flexibility in mind, the HVAC system is compatible with virtually any rooftop locomotive HVAC configuration without requiring major structural modifications. Its stainless-steel structural frame ensures excellent corrosion resistance, while the fiberglass interior panel provides a clean and durable cab finish with rounded edges to improve crew safety.

HVAC Roofmount

Product

Product	Roof-Mounted HVAC System
Designed for	Locomotive rooftop HVAC applications

Performance

Cooling capacity	30,000 BTU/h
Airflow Rate	750 CFM
Total power consumption	4000W @ 95°F ambient

Electrical

Input voltage	74 VDC
Connection types	Stud-type Quick-connect plug

Refrigeration System

Refrigerant	R410A
Refrigeration circuits	Fully redundant dual circuits
Components	Independent compressors and condenser fans

Technology

Inverter technology	Integrated Ekyrail inverter technology
Retrofit compatibility	Compatible with competitor rooftop HVAC systems

Construction

Structural frame	Stainless steel
Interior panel	Fiberglass cab panel

Installation

Designed to	Reduce installation and commissioning time
Testing standard	AHRI Standard 210/240

Physical Specifications

Dimensions (L x W x H)	51.188 x 39.438 x 20.766 in
Weight	700 lb



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