

LRE3 Remote Evaporator Unit

Mine Air Systems

Technical Data

Performance benefits

- Greater operator comfort and control
 - Up to 13,000 BTU cooling capacity
 - Up to 22,000 BTU of heating capacity
 - Operator friendly controls
 - Increased airflow
- Improved performance
 - Eliminates belt-and hydraulically-driven compressors, hosing and brackets
 - No exposed condenser
 - Proven Mine Air Systems components
- Ease of installation and maintenance
 - Quick disconnects
 - Modular components



The LRE3 Remote Evaporator combines with a RCC unit to form a split HVAC system that replaces all existing components on P&H Gen 1 wheel loader cabs (legacy LeTourneau machines).



Product overview

The LRE3 remote evaporator unit is designed to fit any P&H Gen 1 wheel loader cab (legacy LeTourneau machines). The LRE3 combines with a 24VDC electric drive Mine Air RCC condensing unit to create a split system that replaces the existing hydraulic HVAC unit to provide improved performance and reliability.

Description

Coupled with the Mine Air RCC unit, the LRE3 provides the operator with more control of the HVAC system. Field testing has shown an increase in cooling and heating capacity that results in increased operator comfort and satisfaction.

Downtime can be drastically reduced by replacing the existing HVAC system with proven Mine Air products. The RCC unit provides superior performance due to the elimination of belt, hydraulically driven compressors, hosing, brackets and exposed condenser.

The LRE3 and RCC system utilizes a pre-charged refrigerant line set with quick disconnects on either end, pre-charged LRE3 and pre-charged RCC. This eliminates the need for a certified HVAC technician during installation or major component exchange as no refrigerant is lost. Due to the modularity of the system, major components can be changed out in as little as 0.5 hours with proper training. This results in higher loader availability which can lead to higher production.

For more information, contact a local Komatsu Mining Corp. representative or visit mining.komatsu

Technical characteristics

Feature	Specification
Description	Cab mounted climate control system
Electrical	24 VDC
Recirculated airflow	High speed - 590 CFM Medium speed - 490 CFM Low speed - 360 CFM
Compressor ROHS	Compliant scroll, hermetically sealed.
Filters	Disposable 65% efficient in-cab filter
Physical size	
LRE3 unit	26" long (660 mm) x 10" (254 mm) wide x 16" high (407 mm)
MRC unit	30.5" long (775 mm) x 18" wide (457 mm) x 12.25" high (312 mm)
Construction	Case - 16 gauge stainless steel, polished finish
Cooling capacity	13000 Btu/hr* @ 80° F DB / 67° F WB return air 120° F ambient *Achieved in conjunction with MRC unit only
Heating capacity	22500 Btu/hr @ 180° F glycol supply @ 5 GPM Flow modulation via automatic on/off solenoid valve
Refrigerant	R-134A

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