

24VDC Remote Compressor/Condenser

Mine Air Systems Technical Data

Product application

- Mobile diesel-powered haul trucks, dozers, graders, loaders and similar equipment

Benefits

- Improves air conditioning system performance and equipment uptime by replacing the typical engine-mounted, belt-driven compressor/condenser system with a modular 24 VDC high capacity remote compressor/condenser unit
- Reduces maintenance costs associated with engine-mounted, belt-driven compressor/condenser systems that can interfere with engine maintenance access

Summary

The Komatsu Mine Air systems Remote Compressor/Condenser (RCC) is a mounted 24VDC compressor and condenser unit. The RCC is designed as a replacement for conventional engine-mounted, belt-driven compressor and condenser arrangement on mobile mining equipment. It is suitable for installation on a wide variety of mobile diesel-powered mining equipment including haul trucks, graders, dozers and front-end loaders. The RCC is designed to tie into the existing OEM air conditioning system and utilizes the existing dash-mounted OEM evaporator coil, blower, ducting and vents.



Description

The RCC is designed as a replacement for mobile, diesel-powered equipment that utilizes engine-mounted, belt-driven compressor / condenser systems.

It is a modular unit, driven by a 24 volts DC compressor / condenser that can be mounted close to the operator cab and integrated with the OEM AC system after the engine-mounted, belt-drive compressor unit and longer refrigerant lines are removed.

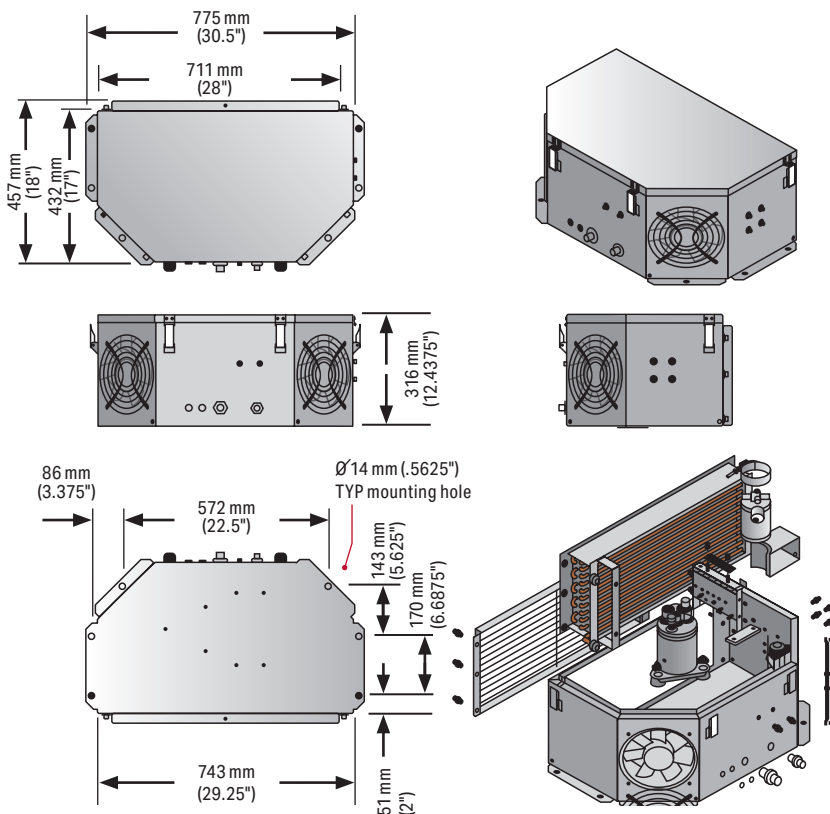
The RCC features two quick-disconnect ports for the shorter, relocated refrigerant lines, and two plugs for the control and the power. If the RCC needs to be replaced, the change-out process can be carried out in about 30 minutes with the proper tools and equipment.

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

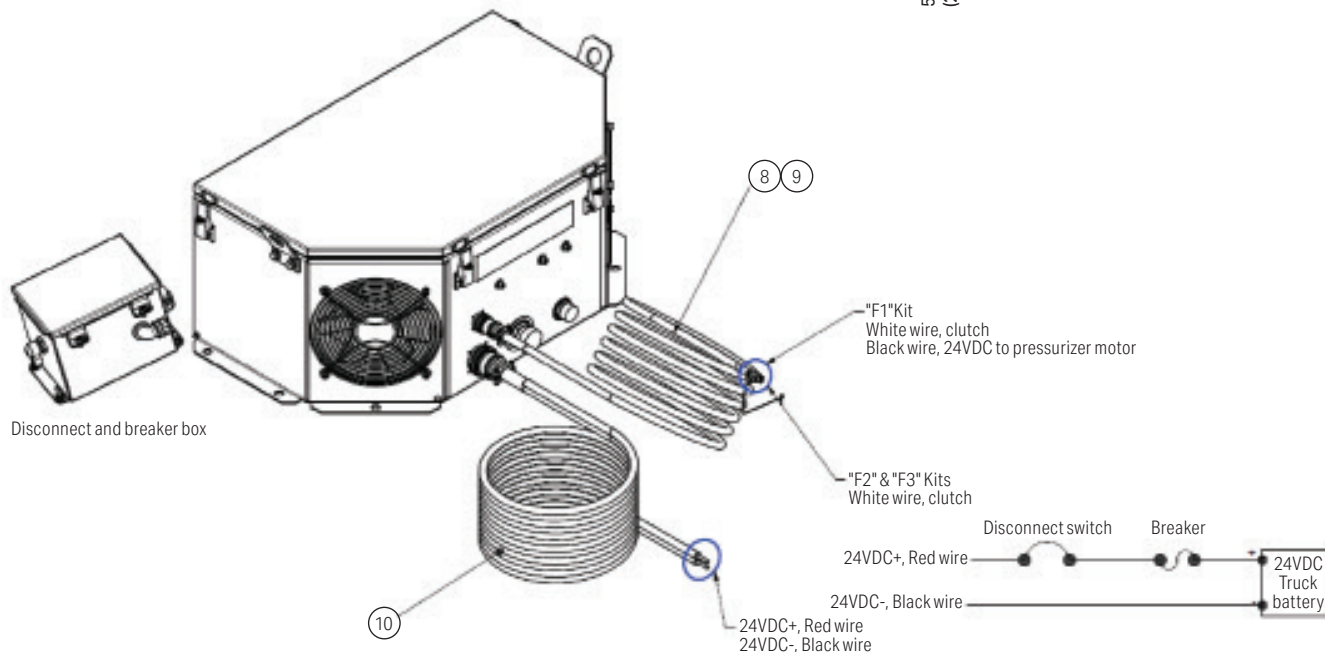
Technical characteristics

Feature	Specification
Description	Remote mounted air conditioning condenser c/w compressor
Electrical	24 Volt DC, max current draw of 50A, typical operation current of 30A
Compressor	24 Volt DC hermetically sealed rotary compressor
Physical size	775 mm wide x 457 mm long by 316 mm high 30.5" wide x 18" long by 12.44" high
Modularity	Unit swap 30 min
Capacity	10,000 BTU/hr @ 95°F
Refrigerant	R134A
Construction	Case; 16 gauge 304 Brushed stainless steel Coils; copper tube, 10 fins per inch
Weight	49 kg (108 lbs) installed

Model MAS RCC dimensions



HCRC illustrated with typical installation kit



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