

Fuel Saving • Reduce Carbon Emissions • Improve Service Intervals

The DRK-9727 unit is our new add-on series, roof-top system utilizing the well-known and trusted Redot unit (R-9727).

The system comes ready to install and cool with ease by simply providing 24 volt DC power and installing the unit. The DRK-9727 series unit comes pre-gassed ready to plug & play and start cooling. Suited for the Mining and Heavy Construction applications, this unit can be installed for primary or secondary function cooling and most of all it will keep the cabin cool while the engine is shut down.

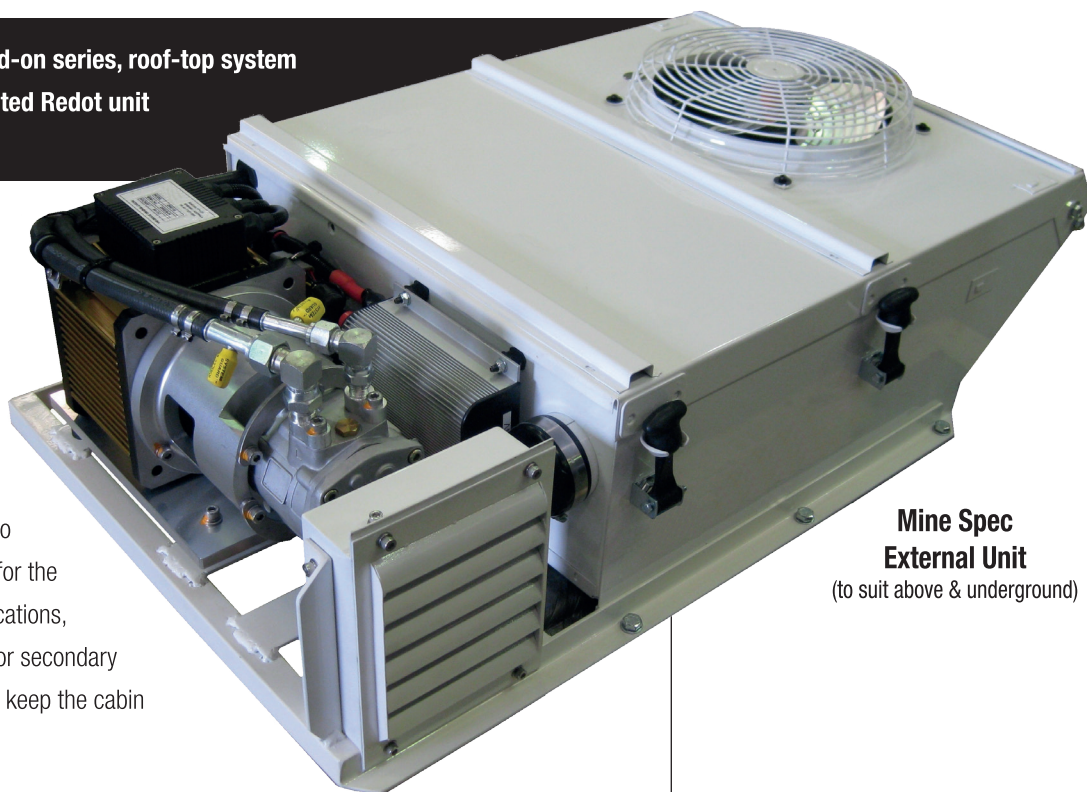
With its robust construction and the powerful DRK-patented compressor drive system, it has no trouble producing 6kW / 22 000 BTU to keep the cabin cold in extremely high ambient temperatures for below- or above-ground machines.

With the highly efficient DRK compressor drive unit and low amp draw, the system is compatible with a wide range of machinery without the heavy load on the alternator and in some cases only drops 1.5 volts over a 2-hour shut down period.

Fuel calculations done from the BCA-6 Series alongside the DRK-9727 has proven to impact major changes to mining site operations in regards to **fuel saving, carbon emissions and service intervals**.

The DRK-7 compressor drive system has a life span of up to 200 000 hours and no servicing is required during this time but the normal A/C service schedules. The highly efficient BLDC motor insures long-lasting power without the high amp draw needed to make 6kW of cooling power.

This product can be found throughout the Mining and Construction sector and also in Locomotive, Military, Truck, Marine and Aircraft industries.



**Mine Spec
External Unit**
(to suit above & underground)

- Anti-idle application
- Rooftop plug & play
- 24Vdc Mining HVAC
- 22 000 BTU = 6kW
- 24V supply for instant cooling
- Pre-gassed system
- Ready to run
- No servicing
- BLDC patented compressor drive
- 100 000 hrs MTBF

Australian Quality-
made Air Conditioners



Specifications

Electrical:	24Vdc
Coil configuration:	Copper tube & fin
Fans:	Sealed permanent magnet motors with steel blade fans
Pressure safety controls:	HP/LP binary switch - high side & low side cut-out pressure regulator
Voltage protection:	Low voltage cut-out 18V - over voltage cut-out 30V
Electric motor & compressor:	24Vdc 1.5kW - 92% efficiency to main shaft brushless drive motor IP66 45 & 92cc displacement (R134a) gas only
BLDC controller:	Pre-programmed to suit application (torque & speed vs displacement)
Cooling capacity:	12 000 to 22 000 BTU @ 50°C (122F)
Compressor AMP Draw:	24.8 Volts @ 50°C ambient & 40°C cabin temp 45cc 28 amps @ 100% RPM 92cc 40 amps @ 100% RPM
Total unit AMP Draw:	55 amps @ full load 50° ambient & @ 40°C cabin temp
Compressor oil:	PAG46 for 45 & 29cc
Oil volume and flow control:	150ml PAG
Wiring harness:	Double poll, high-quality relays Deutsch plugs with harness flex Soldered terminals with heat shrink Hour meter
Hose configuration:	N/A
Liquid filter:	Upright 500 gram receiver drier
Fittings:	Air-O-Crimp steel with plating protection
Construction:	Main cases 2mm steel powder-coated
Fasteners:	High strength stainless steel in metric
Dimensions:	265mm(h) x 625mm(w) x 1060mm(l)
Weight:	87kg
Circuit protection:	100 amp (AGM) Fuse
Testing information:	Tests for DRK-9727 unit simulating ambient temp @ 50°C, Relative humidity kept @ 70% air exchange.

These may not be stock items. Please speak to our sales representative about lead times. Lead times, price and availability can only be determined on receipt of an official quote from our supplier. This can sometimes take up to 3 days.

Gauteng (HO):

T: +27 (0)11 823 5650

KwaZulu Natal:

T: +27 (0)31 303 4129

Northern Cape:

T: +27 (0)53 723 3415

North West:

T: +27 (0)14 596 5257

Mpumalanga:

T: +27 (0)13 692 8132

Western Cape:

T: +27 (0)21 945 1453

Zambia:

T: +26 (0)21 222 5338

Mozambique:

T: +258 252 20666

Authorised

Distributors:

Namibia:

T: +264 64 200566

