

Innovative | Reliable | Carbon Free | Quality | Australian Made

The RDK7 is an electric compressor drive system for mobile or stationary equipment for suitable air conditioners up to 23 000 BTU/hr with the standard DRK7 system.

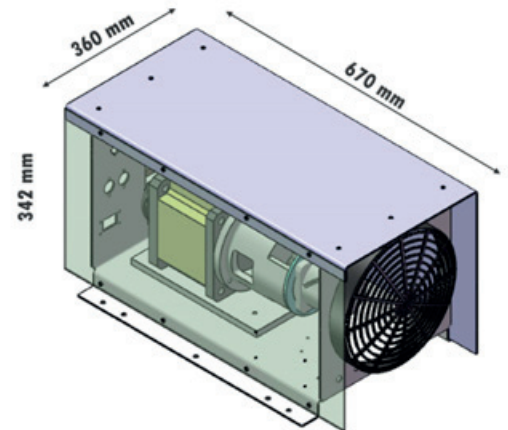
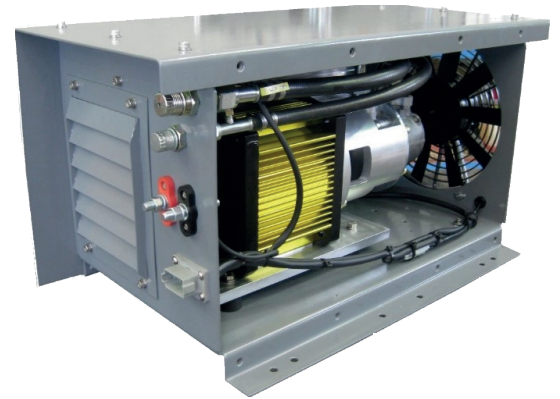
The unit can be supplied with a full stainless-steel enclosure for a bolt in / plug & play system for a straight forward, easy installation.

The RDK7 has a high efficiency BLDC motor connected to the flexible coupling on our optimised Rotary vane compressor. The 4-piece mounting assembly gives the unit simplicity with the given strength to handle any type of harsh application.

High strength grade (6061) aluminium mounting system and precision alignment for the compressor drive assembly making it low noise and no vibration. Simple electrical connection hook-up with industry standard MIOR air conditioning fittings for the Suction & Discharge. The controller has single LED diagnostics and no programming required for the installation, which gives the RDK7 a true plug and play experience. The controller is waterproof, sealed and installed into a Heatsink to combat the wet and hot climates.

This 2-piece patented design gives the RDK7 much greater installation options for those air conditioning installs deemed impossible. The RDK7 has a soft start implement in our software from the controller, so high inrush currents can be avoided.

The brushless motor controller delivers the correct amount of input power to maintain the demanded performance when needed.



Specifications - Model No.: RDK7-24

Cooling capacity:	14 000 to 23 000 BTU/hr @ 40°C Output power level can be configured between 60% to 100%
Operational Voltage:	24 Vdc (± 3 V)
Power Consumption:	Average Amp Draw @ 40°C 1140 w to 2160 w max load 60 Amps @ 24V @ 1600RPM
Dimensions:	3mm Stainless Steel Enclosure 670(l) x 360(w) x 342(h) mm Controller 250(l) x 200(w) x 70(h) mm Incl. 40 mm finned heatsink
Compressor:	Optimised Rotary Vane 72 & 83cc
Circuit Protection:	100 A AMI Fuse or Circuit Breaker
Oil:	PAG32 Grade - Unit Pre-Charged with 30 ml (1 oz)
Refrigerant:	R134a - Unit Pre-Charged with 30 ml (1 oz)

Most Popular Applications

- Trucking (Single & Dual Systems)
- Mining & Machinery
- Locomotives
- Recreational Vehicles
- Aircraft / Helicopters
- Military Equipment
- Marine
- Telecommunications
- Any type of specialised equipment

Australian Quality-
made Air Conditioners 

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