

Manufacture of the new range of CustomAir refrigeration units commenced in 2006. With our experience in products from overseas, CustomAir has been able to apply itself in creating a well balanced transport refrigeration range with design and performance in mind.

Available as an off-engine drive with ESB, the units are efficient and the finish and aesthetics outweigh any other product in today's market.

Suitable for small and medium size vehicles, for positive and negative temperatures.

The in-cab control ensures automatic temperature control.

There is no aperture required (this is an additional cost saving), and the separate evaporator is available with single, twin or triple fans to meet a wide range of temperature requirements.

No plastic or fibreglass. The unit is totally constructed from stainless steel and aluminium with a high quality powder-coated corrosion resistant finish.

HCFC free refrigerant ensures lower environmental impact. Included are high quality components and innovative design, giving the units high capacity and compactness.

Electrical components are basic and simple. No printed circuit boards or complicated microprocessors are used. Circuit breakers, fuses, relays, diodes, fan motors, solenoids, coils, etc. are all available locally and at a fraction of the cost of the imported brands.

**Less maintenance =
Lower cost of Ownership**

Our Market:

- *Earthmoving*
- *Mining*
- *Rail*
- *Bus & Coach*
- *Truck & Trailer refrigeration sales, service & repair*
- *Material handlers*
- *Cranes*
- *Agricultural & Turf Machinery*
- *Mini Loaders and Excavators*
- *Military Equipment*



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Transport Refrigeration

**Designed for the end user
with simplicity, flexibility and safety in mind**



Features



1. Semi Hermetic

- World renowned Frascold electric compressor
- Ultra quiet
- Efficient
- Low power consumption
- CW or CCW rotation



2. Condenser

- Riffle bore tube
- Robust construction
- STD feature triple fan
- 2 speed operation
- Triple fan assisted for high ambient



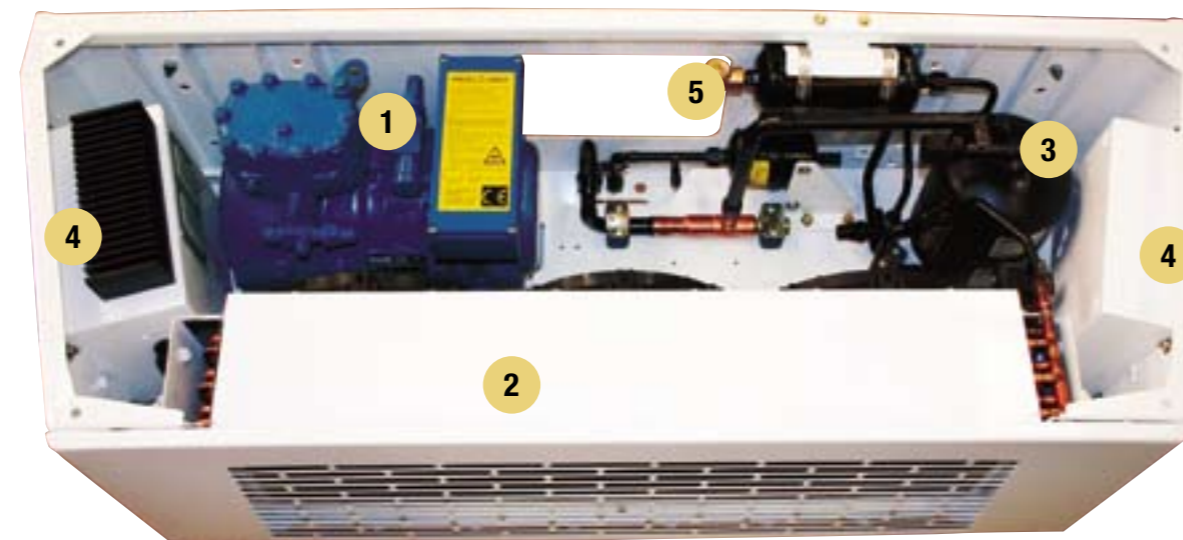
3. Liquid / Suction

A unique combination of liquid on the outer and suction internally promotes "sub cooling" of the two states of refrigerant, assisting in optimum performance



4. Electrical Cabinets

- LHS houses all high voltage A/C components IE: transformer, contactor / over load
- RHS contains low voltage DC components IE: relays, fuses, circuit breakers



5. CPR & Oil Separator

- CPR valve reduces load and power consumption
- Oil separator ensures constant lubrication of the compressor
- Both items ensure longer life of the compressor



Slim Line Evaporator

ROH-002	ROH-003
L = 530mm	L = 530mm
H = 280mm	H = 280mm
W = 810mm	W = 1110mm

Specifications:

ROH-002

- 2 fan evaporator & 3 fan condenser
- Air Flow (evap) 2050 m³/h
- Capacity 38°C ambient @ 0°C = 4850 watts (approx) @ -20°C =
- Unit weight: Road only: 82 Kg ESB (240v): 120 Kg
- Refrigerant: R-404a (R-134a optional)

ROH-003

- 3 fan evaporator & 3 fan condenser
- Air Flow (evap) 3100 m³/h
- Capacity 38°C ambient @ 0°C = 5180 watts (approx) @ -20°C =
- Unit weight: Road only: 90 Kg ESB (415v): 135 Kg
- Refrigerant: R-404a (R-134a optional)

Features:

- Perfect match of components to give the lowest cost of ownership.
- Slim line stainless steel evaporator.
- All cabinets are constructed from stainless steel and alloy panels.
- Powder coated external cabinet giving the longest service life possible.
- Dual stage condenser fan operation on ESB unit giving longer life to electric motors.
- Hi grade voltage cables.
- 6 service ports for ease of fault finding, should it arise.
- Ultra quiet ESB operation from semi hermetic compressor.

Safety:

- Lo/Hi operating pressure cut out device as well as "low evaporator pressure sensor."
- Electrical protection via "maxi" fuse located close to the battery, the ROH also have individual fuse protection on all electrical items.
- Protective finger guards on all blades.

Standard Equipment:

- Triple Fan Condenser
- Stainless Steel Cabinet
- Powder Coated Corrosion Resistant
- Stainless Steel Slimline Evaporator
- Oil Separator
- CPR Valve
- HGD - Hot Gas Defrost
- Liquid / Suction Tank
- Split Unit 2 pc. (No aperture required)
- Multi Service Test Ports
- High Volume Filter/Drier
- Hi-visibility In Cab Controller
- Provision for ESB Post Installation

Optional Extras:

- Electric Standby Operation
- Single Phase 240vac / 3ph.415vac
- Diesel Drive / Power Pack Under Mount
- Multi Temp Application
- Data Logging

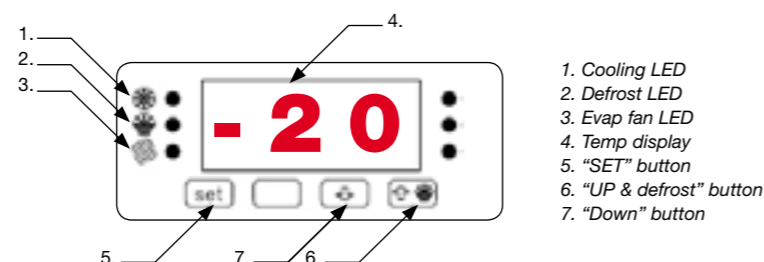
Service:

- Head Office – Melbourne
- Branches – Brisbane & Adelaide
- Plus Service Agents in other capital cities, major towns, and along all major highways.

Parts:

The CustomAir ROH refrigeration package has been developed with parts accessibility in mind, general replacement parts are carried by many automotive wholesalers and all other parts are stocked at CustomAir branches.

In cab controller



CustomAir refrigeration units are operated by a hi-visibility digital display allowing ease of temperature monitoring.

- The controller is housed complete in an "easy to mount" box that is generally located in the "field of vision" for safety.
- This controller allows the set point temperature to be freely adjusted as per product requirement.
- Manual and timer defrost incorporated.