No-Idle HVAC Solutions
Red Dot’s battery-powered A/C systems are designed for all makes of commercial trucks and tractors. There’s no better way to maintain a cool, comfortable cab and sleeper environment without the expense of idling, maintenance, or a complicated installation.

Distributed and supported in North America by Red Dot, the R-1200 and R-1205 are made by Indel B, known worldwide for innovative refrigeration and A/C systems.
ON ROAD

R-1200
No-Idle Air Conditioner Unit

TRUCK SLEEPERS

The R-1200 No-Idle Air Conditioning system is designed for rubber-tired, over-the-road applications. It will maintain a cool, comfortable sleeper environment while the truck engine is turned off, even in hottest and most humid climates. The system requires four dedicated Group 31 deep cycle AGM batteries and provides ten hours of cool comfortable sleeper A/C.

R-1200 SPECIFICATIONS

<table>
<thead>
<tr>
<th>COMPONENTS</th>
<th>SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPRESSOR</td>
<td>Two Danfoss Compressors</td>
</tr>
<tr>
<td>REFRIGERANT</td>
<td>R-134a</td>
</tr>
<tr>
<td>VOLTAGE</td>
<td>12 volt Direct Current</td>
</tr>
<tr>
<td>COOLING CAPACITY*</td>
<td>Up to 1800 Watt / 6150 BTU</td>
</tr>
<tr>
<td>12V CONSUMPTION*</td>
<td>75 Amps/Hr (maximum), 37 Amps/Hr (minimum)</td>
</tr>
<tr>
<td>FAN SPEED/POWER</td>
<td>3-Speed (265 CFM)</td>
</tr>
<tr>
<td>BATTERY PROTECTION</td>
<td>Standard</td>
</tr>
<tr>
<td>DIMENSIONS &amp; WEIGHTS</td>
<td></td>
</tr>
<tr>
<td>Condensing unit:</td>
<td>12&quot;H x 28 5/16&quot;W x 4 1/8&quot;D - 15.8 lbs.</td>
</tr>
<tr>
<td>Evaporating unit:</td>
<td>5 5/16&quot;H x 15 5/16&quot;W x 13&quot;D - 11.7 lbs.</td>
</tr>
<tr>
<td>Compressor/control unit:</td>
<td>8&quot;H x 15&quot;W x 15 1/2&quot;D - 54.5 lbs.</td>
</tr>
</tbody>
</table>

* figures taken with ambient temperature at 32°C/89.6°F

FEATURES: The R-1200 basic kit includes these three components with all hoses and fittings.

In Sleeper
Evaporator with Dual Blowers
- Mounts in the sleeper for flexible positioning and installation
- Dual high speed blower motors force cool air throughout the sleeper
- Digital control panel allows the driver to fine tune the comfort level

Below Sleeper
Dual Compressor Unit
- Dual Danfoss compressors provide maximum BTU’s when needed
- 12/24 Volt DC operation voltage extends system run time
- Compact design fits nicely under the sleeper

Back of Sleeper
Condenser with Dual Fans
- Lightweight and low profile allow flexible positioning and installation
- Dual 12” fans offer efficient condenser operation in hot environments
- Rugged Stainless Steel frame provides long life and product appeal

ORDERING GUIDE
R-1200-0P

OPTIONS:

Smart Battery Isolator
RD-5-13056-0P
- Reduces charging system workload by not connecting the auxiliary batteries until the starting batteries are charged to 13.2V.
- Allows bi-directional charging from alternator or from shore power charger/converter when available.
- Simple installation - Connect to starting battery, auxiliary battery, and ground.

Trojan Absorbed Glass Mat (AGM) Battery
RD-5-13055-OP (four pack)
- Designed specifically for cycling truck applications/auxiliary A/C systems
- Excellent recharge efficiency while driving
- 30 month warranty

Converter / Battery Charger
RD-5-13054-OP
115 Volt AC to 12 Volt DC
- Allows system to run from shore power when available
- Recharges the auxiliary batteries to 90% in 2-3 hours
- Specifically designed for Group 31 deep cycle AGM batteries
With the rising cost of fuel, clean diesel initiatives for a "greener" environment and the passing of no-idle regulations, over-the-road drivers are left with no choice but to install an idle reduction system. The R-1205 is a battery powered electric air conditioning system that independently functions with the engine turned off. It's quick, simple installation, intelligent design and low maintenance makes it the perfect idle reduction system that provides driver comfort, efficiency and safety for your day cab.

**R-1205 SPECIFICATIONS**

<table>
<thead>
<tr>
<th><strong>COMPRESSOR</strong></th>
<th>Single Danfoss Compressor</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>REFRIGERANT</strong></td>
<td>R-134a</td>
</tr>
<tr>
<td><strong>VOLTAGE</strong></td>
<td>12 / 24 volt Direct Current</td>
</tr>
<tr>
<td><strong>COOLING CAPACITY</strong></td>
<td>950 Watt / 3250 BTU (Max)*</td>
</tr>
<tr>
<td></td>
<td>650 Watt / 2240 BTU (Min)</td>
</tr>
<tr>
<td><strong>12V CONSUMPTION</strong></td>
<td>29 Amps/Hr (maximum), 15 Amps/Hr (minimum)</td>
</tr>
<tr>
<td><strong>FAN SPEED/POWER</strong></td>
<td>6-Speed (265 CFM)</td>
</tr>
<tr>
<td><strong>BATTERY PROTECTION</strong></td>
<td>Standard</td>
</tr>
<tr>
<td><strong>ANTI-TILT PROTECTION</strong></td>
<td>Standard</td>
</tr>
<tr>
<td><strong>DIMENSIONS &amp; WEIGHTS</strong></td>
<td>External condenser: 7 13⁄16&quot;H x 34 1⁄16&quot;W x 23 13⁄16&quot;D – 55 lbs. (Total)</td>
</tr>
<tr>
<td></td>
<td>Internal evaporator: 6 1⁄2&quot;H x 13 3⁄4&quot;W x 15 1⁄4&quot;D</td>
</tr>
<tr>
<td><strong>ORDERING GUIDE</strong></td>
<td>R-1205-0P</td>
</tr>
</tbody>
</table>

* figures taken with ambient temperature at 32°C/89.6°F

**OPTIONS:**

- **Smart Battery Isolator**
  RD-5-13056-0P
  - Reduces charging system workload by not connecting the auxiliary batteries until the starting batteries are charged to 13.2V.
  - Allows bi-directional charging from alternator or from shore power charger/converter when available.
  - Simple installation - Connect to starting battery, auxiliary battery, and ground.

- **Trojan Absorbed Glass Mat (AGM) Battery**
  RD-5-13055-0P (four pack)
  - Designed specifically for cycling truck applications/auxiliary A/C systems
  - Excellent recharge efficiency while driving
  - 30 month warranty

- **Converter / Battery Charger**
  RD-5-13054-0P
  - 115 Volt AC to 12 Volt DC
  - Allows system to run from shore power when available
  - Recharges the auxiliary batteries to 90% in 2-3 hours
  - Specifically designed for Group 31 deep cycle AGM batteries
Heater-Air Conditioners
The R-1630 is designed to be the highest capacity heater/air-conditioning unit possible, while maintaining a compact profile that fits easily in the tightest of spaces. The R-1630 can be easily mounted either under the seat or the package tray of many compact pieces of equipment.

**R-1630 SPECIFICATIONS**

**BTU’S**
- Heating - 27,000 BTU/hr @ 100 deg F (5.7kW @ 37.8 deg C) air temp rise
- Cooling - 17,000 BTU/hr @ with 36 deg F (9.7 kW with 2.2 deg C) refrigerant temp. and 80 deg (26.7 deg C) wet bulb entering air

**AIR FLOW** 265 CFM

**WEIGHT** 25 lbs. (11.3 kg)

**CURRENT** 17.8 amps @ 13.6 VDC

**DRAW** 8.9 amps @ 27.2 VDC

**MODELS**
- R-1630-1P (12 VDC)
- R-1630-1-24P (24 VDC)

**OPTIONS:**

- Louvers
- Louvers & Ducts

Unit above is shown with optional louvers.

**R-1630 SYSTEM ORDERING GUIDE**

<table>
<thead>
<tr>
<th>R12/R-134a</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>R1630-1P</td>
<td>12 VDC – Variable Thermostat</td>
</tr>
<tr>
<td>R-1630-1-24P</td>
<td>24 VDC – Variable Thermostat</td>
</tr>
</tbody>
</table>

**CONDENSER**
- R-6160 - ROOF MOUNT
- 77R0650 - RADIATOR MOUNT

See Units Condensers section
See 77 Section Condensers section

**INSTALLATION KIT**
- 78R1070
- 78R1027 / RD-5-11864-1P
- 78R1025

Rooftop Condenser / ATCO version
Front mount condenser / E-Z Clip version
Front mount condenser / ATCO version

**COMPRESSOR**
See 75 Series Compressor section

**R134A CHARGE FITTING**
- 75R5681 & 75R5688

Required with CCI and TECUMSEH applications.

**CLUTCH TECUMSEH/CCI**
See 75 Series Clutch section

**COMPRESSOR MOUNT KIT**
See Compressor Mount Applications
The compact, low profile design of the R-2000 allows an out of the way ceiling mount in virtually any vehicle. The high output of ice cold air blowing down from above is the ultimate in driver comfort.

The R-2000 can be installed facing any direction that best suits the particular application. Not only does this air conditioner make a perfect installation in cabs where space is a problem it is also an effective auxiliary cooling unit in vans, motor homes and small delivery vehicles.

### R-2000 SPECIFICATIONS

<table>
<thead>
<tr>
<th>BTU’S</th>
<th>Cooling – 17,000 BTU/Hr w/36°F (5 kW w/ 2.2°C) refrigerant temp. and 80°F (26.7°C) wet bulb entering air</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIR FLOW</td>
<td>235 CFM (400 m3/h)</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>24 lbs. (11 kg)</td>
</tr>
<tr>
<td>CURRENT DRAW</td>
<td>18.5 amps @ 13.6 VDC (includes 4 amps for A/C clutch) 9.3 amps @ 27.2 VDC (includes 2 amps for A/C clutch)</td>
</tr>
<tr>
<td>CONTROLS</td>
<td>Three speed fan, adjustable thermostat</td>
</tr>
</tbody>
</table>

### R-2000 SYSTEM ORDERING GUIDE

<table>
<thead>
<tr>
<th>R12/R-134a</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNITS</td>
<td></td>
</tr>
<tr>
<td>R-2000-11P</td>
<td>12 VDC</td>
</tr>
<tr>
<td>R-2000-11-24P</td>
<td>24 VDC</td>
</tr>
<tr>
<td>CONDENSER</td>
<td></td>
</tr>
<tr>
<td>R-6160 - ROOF MOUNT</td>
<td></td>
</tr>
<tr>
<td>77R0650 / RD-4-3724-OP - UNIVERSAL</td>
<td></td>
</tr>
<tr>
<td>INSTALLATION KIT</td>
<td></td>
</tr>
<tr>
<td>78R1027 / RD-5-11864-1P</td>
<td>Front mount condenser / E-Z Clip version</td>
</tr>
<tr>
<td>78R1025 / RD-5-5015-4P</td>
<td>Front mount condenser / ATCO version</td>
</tr>
<tr>
<td>78R1070 / RD-5-5406-2P</td>
<td>Roof Mount Condenser / ATCO version</td>
</tr>
<tr>
<td>COMPRESSOR</td>
<td>See 75 Series Compressor section</td>
</tr>
<tr>
<td>R12 SERVICE VALVES</td>
<td>75R5611 &amp; 75R5618</td>
</tr>
<tr>
<td>Required with CCI and TECUMSEH applications.</td>
<td></td>
</tr>
<tr>
<td>R134A CHARGE FITTING</td>
<td>75R5681 &amp; 75R5688</td>
</tr>
<tr>
<td>Required with CCI and TECUMSEH applications.</td>
<td></td>
</tr>
<tr>
<td>CLUTCH TECUMSEH/CCI</td>
<td>See 75 Series Clutch section</td>
</tr>
<tr>
<td>COMPRESSOR MOUNT KIT</td>
<td>See Compressor Mount Applications section</td>
</tr>
</tbody>
</table>
Perfect for lighter duty applications, the R-2300 delivers high capacity for its size. The R-2300 can be mounted on the floor, ceiling or under dash when required. In addition, optional air outlets are available so that air can be ducted where it’s required.

**R-2100 SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BTU’S</strong></td>
<td></td>
</tr>
<tr>
<td>Heating – 32,070 BTU/Hr @ 100°F</td>
<td>(9 kW @ 37.8°C) air temp. rise</td>
</tr>
<tr>
<td>Cooling – 17,736 BTU/Hr @ 36°F</td>
<td>(5.2 kW @ 2.2°C) refrigerant temp. and 80°F (26.7°C) wet bulb entering air</td>
</tr>
<tr>
<td><strong>WEIGHT</strong></td>
<td>15 lbs. (6.8 kg)</td>
</tr>
<tr>
<td><strong>AIR FLOW</strong></td>
<td>275 CFM (467 m³/h)</td>
</tr>
<tr>
<td><strong>CURRENT DRAW</strong></td>
<td></td>
</tr>
<tr>
<td>(includes 4 amps for A/C clutch)</td>
<td>12.2 amps @ 13.6 VDC</td>
</tr>
<tr>
<td>(includes 2 amps for A/C clutch)</td>
<td>6.1 amps @ 27.2 VDC</td>
</tr>
</tbody>
</table>

**OPTIONS:**

- **2 1/2” Outlet Adapter**
  - RD-1-1651-0P
- **4 Louver Outlet Adapter**
  - RD-2-3279-0P
- **2 1/2” Defrost Hose (9’)**
  - 78R0250

**R-2300 SYSTEM ORDERING GUIDE**

<table>
<thead>
<tr>
<th>R12/R-134a</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>R-2300-0P</td>
<td>A/C Only (12 VDC)</td>
</tr>
<tr>
<td>R-2300-0-24P</td>
<td>A/C Only (24 VDC)</td>
</tr>
<tr>
<td>R-2300-1P</td>
<td>Heater Only (12 VDC)</td>
</tr>
<tr>
<td>R-2300-1-24P</td>
<td>Heater Only (24 VDC)</td>
</tr>
<tr>
<td>R-2300-2P</td>
<td>Heater A/C (12 VDC)</td>
</tr>
<tr>
<td>R-2300-2-24P</td>
<td>Heater A/C (24 VDC)</td>
</tr>
</tbody>
</table>

**CONDENSER**

12 & 24 VDC, See 77 Series, Condenser Section

**INSTALLATION KIT**

- 78R1027 / RD-5-11864-1P Refrigerant hose, fittings, drier, pressure switch, hardware / E-Z Clip version
- 78R1025 Refrigerant hose, fittings, drier, pressure switch, hardware / ATCO version

**COMPRESSOR**

See 75 Series Compressor section

**R12 SERVICE VALVES**

- 75R5611 & 75R5618 Required with CCI and TECUMSEH applications.

**R134A CHARGE FITTING**

- 75R5681 & 75R5688 Required with CCI and TECUMSEH applications.

**CLUTCH TECUMSEH/CCI**

See 75 Series Clutch section

**COMPRESSOR MOUNT KIT**

See Compressor Mount Applications section

**OPTIONS**

- Control Panel (See 71 Series, Control Panels)
R-2550
Heater/Air Conditioner Unit

Rescue Vehicle

Specifically designed for installation in ambulance or similar applications. Perfect for lighter duty needs, the R-2550 delivers high capacity for its size.

R-2550 Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTU’S Heating</td>
<td>45,900 BTU/Hr @ 100°F</td>
</tr>
<tr>
<td></td>
<td>(13.4 kW @ 37.8°C) air temp. rise</td>
</tr>
<tr>
<td>Cooling</td>
<td>35,600 BTU/Hr @ 36°F</td>
</tr>
<tr>
<td></td>
<td>(10.4 kW @ 2.2°C) refrigerant temp. and 80°F (26.7°C) wet bulb entering air</td>
</tr>
<tr>
<td>Air Flow</td>
<td>390 CFM (662 m3/h)</td>
</tr>
<tr>
<td>Weight</td>
<td>39 lbs. (17.7 kg)</td>
</tr>
<tr>
<td>Current Draw</td>
<td>22 amps @ 13.6 VDC (Heater/AC)</td>
</tr>
<tr>
<td>Units</td>
<td>R-2550-OP Heater/Air Conditioner (12 VDC)</td>
</tr>
</tbody>
</table>

Control Panel Sold Separately

R-4122
Sleeper Heater-A/C Unit

Heavy, Medium, & Light Duty Trucks - Industrial Cabs - Vans

Red Dot is the premier supplier to the sleeper box industry. The R-4122 has been specifically designed for this application. Red Dot has used its vast experience to provide the highest performing unit for sleepers. The four way adapter makes ducting air where it’s needed easy.

R-4122 Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTU’S Heating</td>
<td>30,573 BTU’s/hr @ 100°F</td>
</tr>
<tr>
<td></td>
<td>(8.9 kW @ 37.8°C) air temp. rise</td>
</tr>
<tr>
<td>Cooling</td>
<td>19,246 BTU’s/hr with 36°F</td>
</tr>
<tr>
<td></td>
<td>(kw 5.6 kW with 2.2°C) refrigerant temp. and 80°F (26.7°C) wet bulb entering air</td>
</tr>
<tr>
<td>Air Flow</td>
<td>283 CFM (481 m3/h)</td>
</tr>
<tr>
<td>Weight</td>
<td>28 lbs. (12.7kg)</td>
</tr>
<tr>
<td>Motors</td>
<td>Permanent magnet, three-speed</td>
</tr>
<tr>
<td>Current Draw</td>
<td>18 amps @ 13.6 VDC</td>
</tr>
<tr>
<td>Units</td>
<td>R-4122-9P 12 VDC</td>
</tr>
</tbody>
</table>

Options:

- Four-Way Air Diffuser (outlets are 2 5/8” dia)
  RD-3-7646-0P
- Plumbing Kit
  RD-3-12465-0P
- Single Shaft, Single Speed Blower Motor
  73R0404
- Sleeper Control Assembly
  R-4122-9P – 71R5112 (thermostat with fan and mode switch)
- Solenoid Valve, 24v
  71R9004

Control Panel Sold Separately
The R-5040 was designed with versatility in mind. The blower assemblies are accessible so that the installer has the ability to duct the air where it’s needed. In addition controls can be remote mounted so that they are easily reached. With over 400 CFM the R-5040 is ideal for larger cab applications.

**NOTE:** Controls are customer supplied.

### R-5040 SPECIFICATIONS

| **BTU’S** | Heating – 48,000 BTU/hr @ 100°F  
(14 kW @ 37°C) air temp. rise  
Cooling – 32,000 BTU/hr with 36°F  
(9.4 kW with 2.2°C) refrigerant temp. and 80°F (26.7°C) |
| **AIR FLOW** | 425 CFM (722 m³/h) |
| **WEIGHT** | Heater – 30 lbs. (14 kg)  
Heater-A/C – 39 lbs. (18 kg) |
| **MOTOR** | Two three-speed |
| **CURRENT DRAW** | 27 amps @ 13.6 VDC (includes 4 amps for A/C clutch); 14.5 amps @ 27.2 VDC (including 2 amps for A/C clutch) |

### R-5040 SYSTEM ORDERING GUIDE

<table>
<thead>
<tr>
<th>R12/R-134a</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UNITS</strong></td>
<td></td>
</tr>
<tr>
<td>R-5040-0P</td>
<td>12 VDC Heater</td>
</tr>
<tr>
<td>R-5040-2P</td>
<td>24 VDC Heater</td>
</tr>
<tr>
<td>R-5040-4P</td>
<td>12 VDC Heater/Air Conditioner</td>
</tr>
<tr>
<td>R-5040-6P</td>
<td>24 VDC Heater/Air Conditioner</td>
</tr>
</tbody>
</table>
| **CONDENSER** | See 77 Series Condensers section  
77R0700 - Radiator mount  
R-9730 - Remote mount |
| **INSTALLATION KIT** | See Units Condensers section  
78R1027 / RD-5-11864-1P - Front mount condenser / E-Z Clip version  
78R1025 - Front mount condenser / ATCO version  
78R1070 - Remote mount condenser / ATCO version |
| **COMPRESSOR** | See 75 Series Compressor section |
| R12 SERVICE VALVES | 75R5611 & 75R5618 - Required with CCI and TECUMSEH applications. |
| R134A CHARGE FITTING | 75R5681 & 75R5688 - Required with CCI and TECUMSEH applications. |
| CLUTCH TECUMSEH/CCI | See 75 Series Clutch section |
| COMPRESSOR MOUNT KIT | See Compressor Mount Applications section |
| OPTION | See 71 Series Control Panels section |
R-5045 BACKWALL
Heater/Air Conditioner Unit

ARMORED CARS • AID CARS • PERSONNEL CARRIERS

The R-5045 Series offers the highest capacity of any Red Dot heater and air conditioner package. The R-5045-2 was originally designed for armored cars. Its outstanding performance can be directed to both front and rear compartments through multi-directional louvers. The tremendous capacity of the R-5045 Series makes them ideal for aid cars, delivery trucks, or large box applications. The R-5045 also offers simple service and an evaporator filter.

OPTIONS:
- Bulkhead Louver Kit: RD-3-3133-1P
- Inline Booster Pressurizer: (-2 models only)
- see Filters & Pressurizers section

R-5045 SPECIFICATIONS

| BTU’S | Heating – 46,000 BTU/Hr @ 150°F (13.5 kW @ 66°C) water to air differential |
|       | Cooling – 33,000 BTU/Hr with 36°F (9.7 kW @ 2.2°C) refrigerant temp. and 80°F (26.7°C) wet bulb entering air |
| AIR FLOW | 430 CFM (730 m³/h) |
| WEIGHT | 47 lbs. (21 kg) |
| MOTOR | One three-speed |
| CURRENT DRAW | 22.5 amps @ 13.6 VDC (includes 4 amps for A/C clutch), 11.2 amps @ 27.2 VDC (includes 2 amps for A/C clutch) |

R-5045 SYSTEM ORDERING GUIDE

<table>
<thead>
<tr>
<th>UNIT</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>R-5045-5P</td>
<td>12 VDC - Rear Air Exhaust Outlet with rotary controls</td>
</tr>
<tr>
<td>R-5045-5-24P</td>
<td>24 VDC - Rear Air Exhaust Outlet with rotary controls</td>
</tr>
<tr>
<td>R-5045-6P</td>
<td>12 VDC - Fresh Air Intake</td>
</tr>
<tr>
<td>R-5045-6-24P</td>
<td>24 VDC - Fresh Air Intake</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CONDENSER</th>
<th>INSTALLATION KITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>77R0700 - Radiator Mount</td>
<td>78R1027 / RD-5-11864-1P</td>
</tr>
<tr>
<td>R-9730 - Remote Mount</td>
<td>Front mount condenser / E-Z Clip version</td>
</tr>
<tr>
<td></td>
<td>78R1025</td>
</tr>
<tr>
<td></td>
<td>Front mount condenser / ATCO version</td>
</tr>
<tr>
<td></td>
<td>78R1070</td>
</tr>
<tr>
<td></td>
<td>Remote mount Condenser / ATCO version</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMPRESSOR</th>
<th>R12 SERVICE VALVES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>75R5611 &amp; 75R5618</td>
</tr>
<tr>
<td></td>
<td>Required with CCI and TECUMSEH applications</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMPRESSOR MOUNT KIT</th>
<th>CLUTCH TECUMSEH/CCI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>See Compressor Mount Applications section</td>
</tr>
<tr>
<td></td>
<td>See 75 Series Clutch section</td>
</tr>
</tbody>
</table>

| OPTIONS | Replacement Recirc Filter 78R5400 |
R-5075 BACKWALL
Heater/Air Conditioner Unit

CONSTRUCTION • MINING • AGRICULTURE

Using the proven performance characteristics of the R-5045 Series, Red Dot has beefed up this unit with a heavy duty metal housing for off road applications. The R-5075 was specifically designed for application where high capacity is required. This unit offers fresh air intake and can be pressurized.

OPTIONS:
Inline Booster Pressurizers: see Filters & Pressurizers section

R-5075 SPECIFICATIONS

<table>
<thead>
<tr>
<th>R5075 SPECIFICATIONS</th>
<th>BTU’S</th>
<th>Heating – 46,000 BTU/Hr @ 150°F (13.5 kW @ 66°C) water to air differential</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Cooling – 33,000 BTU/Hr with 36°F (9.7 kW w/ 2.2°C) refrigerant temp. and 80°F (26.7°C) wet bulb entering air</td>
</tr>
<tr>
<td>AIR FLOW</td>
<td>430 CFM (730 m³/h)</td>
<td></td>
</tr>
<tr>
<td>WEIGHT</td>
<td>47 lbs. (21 kg)</td>
<td></td>
</tr>
<tr>
<td>MOTOR</td>
<td>One three-speed</td>
<td></td>
</tr>
<tr>
<td>CURRENT DRAW</td>
<td>21.8 amps @ 13.6 VDC (includes 4 amps for A/C clutch)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10.9 amps @ 27.2 VDC (includes 2 amps for A/C clutch)</td>
<td></td>
</tr>
</tbody>
</table>

R-5075 SYSTEM ORDERING GUIDE

<table>
<thead>
<tr>
<th>R12/R-134a</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIT</td>
<td></td>
</tr>
<tr>
<td>R-5075-0P</td>
<td>12 VDC</td>
</tr>
<tr>
<td>R-5075-0-24P</td>
<td>24 VDC</td>
</tr>
<tr>
<td>CONDENSER</td>
<td></td>
</tr>
<tr>
<td>77R0700 - Radiator Mount</td>
<td>See 77 Series Condensers section</td>
</tr>
<tr>
<td>R-9730 - Remote Mount</td>
<td>See Units Condensers section</td>
</tr>
<tr>
<td>INSTALLATION KITS</td>
<td></td>
</tr>
<tr>
<td>78R1027 / RD-5-11864-1P</td>
<td>Front mount condenser / E-Z Clip version</td>
</tr>
<tr>
<td>78R1025</td>
<td>Front mount condenser / ATCO version</td>
</tr>
<tr>
<td>78R1070</td>
<td>Remote mount condenser / ATCO version</td>
</tr>
<tr>
<td>COMPRESSOR</td>
<td></td>
</tr>
<tr>
<td>See 75 Series Compressor section</td>
<td></td>
</tr>
<tr>
<td>R12 SERVICE VALVES</td>
<td></td>
</tr>
<tr>
<td>75R5611 &amp; 75R5618</td>
<td>Required with CCI and TECUMSEH applications.</td>
</tr>
<tr>
<td>R134A CHARGE FITTING</td>
<td></td>
</tr>
<tr>
<td>75R5681 &amp; 75R5688</td>
<td>Required with CCI and TECUMSEH applications.</td>
</tr>
<tr>
<td>CLUTCH TECUMSEH/CCI</td>
<td></td>
</tr>
<tr>
<td>See 75 Series Clutch section</td>
<td></td>
</tr>
<tr>
<td>COMPRESSOR MOUNT KIT</td>
<td></td>
</tr>
<tr>
<td>See Compressor Mount Applications section</td>
<td></td>
</tr>
<tr>
<td>OPTIONS</td>
<td></td>
</tr>
<tr>
<td>Replacement Recirc Filter</td>
<td>78R5360</td>
</tr>
<tr>
<td>Replacement Fresh Air Intake Filter</td>
<td>78R5320</td>
</tr>
<tr>
<td>Fresh Air Intake</td>
<td>78R5150</td>
</tr>
</tbody>
</table>
The R-6100 is the ultimate rooftop air conditioner design. Red Dot went the extra mile in designing a lightweight, high capacity unit with a styled low profile that fits the aerodynamic truck designs of today. Notice the sloping front that rides comfortably over center marker lights. This is a must when roof space is minimal or air shields are used.

A low profile plenum protrudes barely 1½” into the cab and blends easily into the headliner leaving ample head room. Frigid, high-velocity air can be directed 360° through the large diffusers located directly below the double blowers. Also featured is a cab air filter incorporated into the plenum.

A low profile plenum protrudes barely 1½” into the cab and blends easily into the headliner leaving ample head room. Frigid, high-velocity air can be directed 360° through the large diffusers located directly below the double blowers. Also featured is a cab air filter incorporated into the plenum.

The heavy duty design contains tube and fin coil construction, high capacity receiver drier and Red Dot Trinary™ System protection switch. The Trinary™ switch extends condenser motor life and guards against component failure. Should the R-6100 ever need service, only two outside bolts need be removed to access any component. The R-6100 is perfect for most truck applications, especially C.O.E.’s where space in the cab is limited.

**Options:**
- Bug Screen: RD-4-4529-1P
- Winter Cover: RD-5-4778-0P
- Universal Roof Mount Kit: RD-2-1302-0P
- Replacement Recirc. Filter: 78R5300
- Replacement Receiver Drier: 74R2546

**R-6100 Specifications**

- **BTU’S**
  - Cooling: 16,000 BTU/Hr with 36°F (4.7 kw with 2.2°C) refrigerant temp. and 80°F (26.7°C) wet bulb entering air

- **Air Flow**
  - 265 CFM (450 m³/h)

- **Weight**
  - 44 lbs (20kg)

- **Condenser**
  - The coil is aluminum fin and copper tube construction. This material selection, which includes a tube of .022” (.6 cm) wall thickness, results in an effective, lightweight, and rugged coil.

- **Condenser Motor/Fan**
  - The motor is a permanent magnet type selected for its extended life. The fan is aluminum with a heavy duty spider and riveted blades.

- **Current Draw**
  - 33 amps @ 13.6 VDC (includes 4 amps for A/C clutch)
  - 16.5 amps @ 27.2 VDC (Includes 2amps for A/C clutch)

- **Controls**
  - Three speed blower and adjustable thermostat

**R-6100 System Ordering Guide**

- **R12/R-134a**
  - Notes
  - **Units**
    - R-6100-4P: 12 VDC
    - R-6100-4-24P: 24 VDC
  - **Condenser**
    - Contained in R-6100 unit
  - **Installation Kit**
    - 78R1505: Refrigerant hose and fittings, etc.
  - **Compressor**
    - See 75 Series Compressor section
  - **R12 Service Valves**
    - 75R5611 & 75R5618: Required with CCI or Tecumseh application.
  - **R134A Charge Fitting**
    - 75R5681 & 75R5688: Required with CCI or Tecumseh application.
  - **Clutch**
    - See 75 Series Clutch section
  - **Compressor Mount Kit**
    - See Compressor Mount Applications section
  - **Options**
    - Bug Screen: RD-4-4529-1P
    - Winter Cover: RD-5-4778-0P
    - Universal Roof Mount Kit: RD-2-1302-0P
    - Replacement Recirc. Filter: 78R5300
    - Replacement Receiver Drier: 74R2546

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The R-6100 is the ultimate rooftop air conditioner design. Red Dot went the extra mile in designing a lightweight, high capacity unit with a styled low profile that fits the aerodynamic truck designs of today. Notice the sloping front that rides comfortably over center marker lights. This is a must when roof space is minimal or air shields are used.
Red Dot’s R-6840 sets a new standard in air conditioning technology. It combines performance and styling in a package small enough to fit almost anywhere. In addition, it utilizes engineered resin technology to create a unit that is not only attractive but incredibly durable. The R-6840 utilizes advanced coil and blower technology to create the highest capacity possible in a wall mounted unit that is no more than 1 1/4" wide.

**OPTIONS:**
- Plumbing Covers RD-2-3515-0P
- Floor Support Kit RD-2-3673-0P
- Filter RD-2-3683-0P

**R-6840 SPECIFICATIONS**
- **BTU’s**
  - Cooling: 17,180 BTU/Hr with 36°F (2.2°C) refrigerant temp and 80°F (26.7°C) wet bulb entering air
- **Air Flow**
  - 260 CFM (442 m³/h)
- **Weight**
  - 16 lbs. (7.3 kg)
- **Current Draw**
  - 18.6 amps @ 13.6 VDC (includes 4 amps for A/C clutch)
  - 9.5 amps @ 27.2 VDC (including 2 amps for A/C clutch)
- **Controls**
  - High-low motor speed, four adjustable louvers, adjustable thermostat

**R-6840 SYSTEM ORDERING GUIDE**

<table>
<thead>
<tr>
<th>R120-134e</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>R-6840-5P</td>
<td>12 VDC – Variable Thermostat</td>
</tr>
<tr>
<td>R-6840-24P</td>
<td>24 VDC – Variable Thermostat</td>
</tr>
</tbody>
</table>

**CONDENSER**
- R-6160 - ROOF MOUNT
- 77R0650 - ROOF MOUNT

**INSTALLATION KIT**
- 78R1070/RD-2-3673-0P Front mount condenser / E-Z Clip version
- 78R1075/RD-2-3674-0P Front mount condenser / A/C version

**COMPRESSOR**
- See 75 Series Compressor section

**R12 SERVICE VALVES**
- 75R5611 & 75R5618 Required with CCI and TECUMSEH applications.

**RT34A CHARGE FITTING**
- 75R5681 & 75R5688 Required with CCI and TECUMSEH applications.

**CLUTCH TECUMSEH/CCI**
- See 75 Series Clutch section

**COMPRESSOR MOUNT KIT**
- See Compressor Mount Applications

**OPTIONS**
- Floor Support Kit RD-2-3515-0P
- Plumbing Covers (left and right) RD-2-3515-0P
- Recirc Filter RD-2-3683-0P
- Remote Control Panel Kit RD-2-3674-0P
R-7830 BACKWALL
Air Conditioner Unit

The R-7830 blasts ice cold high velocity air where you want it. Multi-directional diffusers are positioned directly over the blower so you get cool air right off the coil in any direction.

This compact high-capacity unit easily mounts between the seats to back walls in most class 6-8 conventional cabs. It can also be front dash mounted in some class 6 and 7 vehicles where a flat space permits.

The R-7830 was designed to provide maximum cooling with a minimum amount of maintenance. The welded steel construction uses only nut plates and is void of troublesome sheetmetal screws. Its unique design which provides access to any component in minutes, is a fleet owners dream and breath of fresh air to owner operators tired of bruised knuckles under the dash.

A backwall/floor support kit option is available for added reinforcement.

R-7830 SPECIFICATIONS

<table>
<thead>
<tr>
<th>BTU’S</th>
<th>Cooling = 17,180 BTU/Hr with 36°F (5 kW with 2.2°C) refrigerant temp and 80°F (26.7°C) wet bulb entering air</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIR FLOW</td>
<td>260 CFM (442 m³/h)</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>25 lbs. (11 kg)</td>
</tr>
<tr>
<td>CURRENT</td>
<td>18 amps @ 13.6 VDC (includes 4 amps for A/C clutch); 9 amps @ 27.2 VDC (including 2 amps for A/C clutch)</td>
</tr>
<tr>
<td>CONTROLS</td>
<td>High-low motor speed, four adjustable louvers, adjustable thermostat</td>
</tr>
</tbody>
</table>

R-7830 SYSTEM ORDERING GUIDE

<table>
<thead>
<tr>
<th>UNITS</th>
<th>R-7830-0P 12 VDC – Variable Thermostat</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>R-7830-0-24P 24 VDC – Variable Thermostat</td>
</tr>
<tr>
<td>CONDENSER</td>
<td>R-6160-0P - Roof Mount 12 VDC – See Units Condensers section</td>
</tr>
<tr>
<td></td>
<td>R-6160-0-24P - Roof Mount 24 VDC – See Units Condensers section</td>
</tr>
<tr>
<td></td>
<td>77R0650 - Radiator Mount See 77 Series Condensers section</td>
</tr>
<tr>
<td>INSTALLATION KIT</td>
<td>78R1070 Rooftop Condenser / ATCO version</td>
</tr>
<tr>
<td></td>
<td>78R1027 / RD-5-11864-1P Front mount condenser / E-Z Clip version</td>
</tr>
<tr>
<td></td>
<td>78R1025 Front mount condenser / ATCO version</td>
</tr>
<tr>
<td>COMPRESSOR</td>
<td>See 75 Series Compressor section</td>
</tr>
<tr>
<td>RT2 SERVICE VALVES</td>
<td>75R5611 &amp; 75R5618 Required with CCI and TECUMSEH applications.</td>
</tr>
<tr>
<td>RT34A CHARGE FITTING</td>
<td>75R5681 &amp; 75R5688 Required with OSI and TECUMSEH applications.</td>
</tr>
<tr>
<td>CLUTCH TECUMSEH/CCI</td>
<td>See 75 Series Clutch section</td>
</tr>
<tr>
<td>COMPRESSOR MOUNT KIT</td>
<td>See Compressor Mount Applications section</td>
</tr>
</tbody>
</table>

OPTIONS:

- Floor Support Kit RD-2-1398-0P
- Recirc Filter Kit 78R5390

OPTIONS:

- Floor Support Kit RD-2-1398-0P
- Recirc Filter Kit 78R5390
**INTERNATIONAL**

**R-8230 UNDERDASH**

*Heater/Air Conditioner Unit*

**FOR NAVISTAR “S”, 4000, 7000 AND 8000 SERIES TRUCKS 1983 TO 1994**

The R-8230 performance and features go beyond anything offered in-dash for all “S” Series and new conventional vehicles. With styling that matches the factory dash, the R-8230 includes “Max A/C” and “Defrost Interlock” features not offered by any other Navistar conventional “S” Series or 4000, 7000, and 8000 Series systems. The R-8230 mounts directly to the firewall and mates to existing inlet and outlet ducting.

**R-8230 SPECIFICATIONS**

- **BTU’S:** Heating – 29,700 BTU/Hr at 100°F (kw 8.70 at 37.8°C) air temperature rise
  - Cooling – 22,400 BTU/Hr with 36°F (kw 6.56 with 2.2°C) refrigerant temp. and 80°F (26.7°C) wet bulb entering air
- **AIR FLOW:** 265 CFM (450 m³/h)
- **WEIGHT:** 48 lbs. (22 kg)
- **MOTOR:** Permanent magnet
- **CURRENT Draw:** 19.5 amps at 13.6 VDC
  - (includes 4 amps for A/C clutch)
- **MODEL:** R-8230-0
- **NOTE:** BTU’s and air flow in installed conditions
  - Not for viscous fan applications

**R-8230 SYSTEM ORDERING GUIDE**

<table>
<thead>
<tr>
<th>Heater - Air Conditioner Kit</th>
<th>Engine</th>
<th>Steering</th>
<th>Brakes</th>
<th>Compressor</th>
<th>Compressor Mount Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>R-8230-0P for Vehicles 1983–1994</td>
<td>V/8 International 6.9 Liter &amp; 7.3 Liter</td>
<td>Std/Pwr</td>
<td></td>
<td>75R8212 75R8612 (134A)</td>
<td>75R9530</td>
</tr>
<tr>
<td>Series 4600 Through 8100 “S” Series 1600 Through 2600</td>
<td>DT 466 “6” w/wo Vacuum</td>
<td>Std/Pwr</td>
<td>Air</td>
<td>75R8212 75R8612 (134A)</td>
<td>75R9980</td>
</tr>
<tr>
<td>6 Cyl IHC DT466, DTA466, DT360 or DTA360</td>
<td>Std./Pwr Hydraulic</td>
<td></td>
<td></td>
<td>75R8212 75R8612 (134A)</td>
<td>75R9980</td>
</tr>
<tr>
<td>6 Cyl IHC DT466, DTA466</td>
<td>Std./Pwr Hydraulic</td>
<td></td>
<td></td>
<td>75R8212 75R8612 (134A)</td>
<td>75R9980</td>
</tr>
<tr>
<td>6 Cyl IHC DT360, DTA 360</td>
<td>Std./Pwr Hydraulic</td>
<td></td>
<td></td>
<td>75R8212 75R8612 (134A)</td>
<td>75R9980</td>
</tr>
<tr>
<td>Cummins 6 Cyl L-10 “S” Series</td>
<td>Pwr Air</td>
<td></td>
<td></td>
<td>75R8212 75R8612 (134A)</td>
<td>75R9540</td>
</tr>
<tr>
<td>1994-1997 DT408/DT466 (will not work on DT466E)</td>
<td></td>
<td></td>
<td></td>
<td>75R8212 75R8612 (134A)</td>
<td>75R9985</td>
</tr>
</tbody>
</table>

For complete kits order one Heater-Air Conditioner Kit, Compressor, Compressor Mount Kit

Not for viscous applications

**Kits Include:**

- Heater A/C Unit
- Heater Hose And Water Valve
- Refrigerant Hose & Fittings
- High Capacity Receiver Drier
- Trinary™ Protection Switch
- Wiring Harness
- Condenser
- Miscellaneous Installation Hardware And Brackets
The R-8235 drop in evaporator kit takes advantage of the OEM housing and motor blower assembly. 134a compatible, this kit meets all OEM specifications.

### R-8235 SYSTEM ORDERING GUIDE

<table>
<thead>
<tr>
<th>Heater - Air Conditioner Kit</th>
<th>Engine</th>
<th>Steering</th>
<th>Brakes</th>
<th>Compressor</th>
<th>Compressor Mount Kit No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>R-8235 OP</td>
<td>V8 International 6.9 Liter, &amp; 7.3 Liter</td>
<td>Std/Pwr</td>
<td>75R8612 (134A)</td>
<td>75R9980</td>
<td></td>
</tr>
<tr>
<td>For Vehicles 1995 to 2002</td>
<td>DT 466 “6” w/wo Vacuum</td>
<td>See CCI section Tecumseh, see Note A</td>
<td>75R9100</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>6 Cyl IHC DT466, DTA466, DT360 or DTA360</td>
<td>Std/Pwr</td>
<td>75R8612 (134A)</td>
<td>75R9980</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6 Cyl IHC DT466, DTA466</td>
<td>Std/Pwr</td>
<td>Hydraulic</td>
<td>75R8612 (134A)</td>
<td>75R9980</td>
</tr>
<tr>
<td></td>
<td>6 Cyl IHC DT360, DTA 360</td>
<td>Std/Pwr</td>
<td>Hydraulic</td>
<td>75R8612 (134A)</td>
<td>75R9980</td>
</tr>
<tr>
<td></td>
<td>Cummins 6 Cyl L-10 “S” Series</td>
<td>Pwr</td>
<td>Air</td>
<td>75R8612 (134A)</td>
<td>75R9540</td>
</tr>
<tr>
<td></td>
<td>1995-1997 DT408/DT466 (will not work on DT466E)</td>
<td>75R8612 (134A)</td>
<td>75R9985</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For complete kits order one Heater-Air Conditioner Kit, Compressor, Compressor Mount Kit
Not for viscous applications

**Kits Include:**
- Heater A/C Unit
- Heater Hose And Water Valve
- Refrigerant Hose & Fittings
- High Capacity Receiver Drier
- Trinary™ Protection Switch
- Wiring Harness
- Condenser
- Miscellaneous Installation Hardware And Brackets

**NOTE A:** Tecumseh Compressors require 75R1202 Clutch and one each (Service Valves and Charge Ports)
- R12: 75R5618 & 75R5611 or
- R134a: 75R5688 & 75R5681
With the emergence of smaller cabs comes the demand for systems that deliver paramount performance while requiring minimum space. Red Dot delivers with the R-8500.

The versatility of the R-8500 allows the air plenum to be changed to divert the air out the top or the front of the unit depending on the application. In addition, the controls can be remote mounted.

Utilizing the rugged design and quality components you have come to expect from Red Dot, this unit promises to provide hassle free maintenance and exemplary performance.

**R-8500 BACKWALL**

*Air Conditioner Unit/Heat Option*

**CONSTRUCTION • MINING • AGRICULTURE**

**R-8500 SPECIFICATIONS**

<table>
<thead>
<tr>
<th>BTU’S</th>
<th>Heating – 22,000 BTU/Hr @ 100°F (6.4 kW @ 37.8°C) air temperature rise Cooling – 15,200 BTU/Hr with 36°F (4.5 kW w/ 2.2°C) refrigerant temp. and 80°F (26.7°C) wet bulb entering air</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIR FLOW</td>
<td>205 CFM (348 m³/h)</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>24 lbs. (11 kg)</td>
</tr>
<tr>
<td>MOTOR</td>
<td>Three-speed field wound</td>
</tr>
<tr>
<td>CURRENT DRAW</td>
<td>13.5 amps @ 13.6 VDC (includes 4 amps for A/C clutch) 6.75 amps @ 27.2 VDC (includes 2 amps for A/C clutch)</td>
</tr>
</tbody>
</table>

**R-8500 ORDERING GUIDE**

**R12/R-134a NOTES**

<table>
<thead>
<tr>
<th>UNITS</th>
<th>R-8500-2P 12 VDC – Heater - A/C  R-8500-2-24P 24 VDC – Heater - A/C  R-8500-3P 12 VDC – A/C Only  R-8500-3-24P 24 VDC – A/C Only</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONDENSER</td>
<td>R-9720-3P - Remote Mount  R-9720-3-24P - Remote Mount  77R0845 - Radiator Mount</td>
</tr>
<tr>
<td>GENERAL PURPOSE INSTALLATION KIT</td>
<td>78R1705 Remote Mount  78R1027 / RD-5-11864-1P Radiator mount condenser / E-Z Clip version  78R1025 Radiator mount condenser / ATCO version  78R0100 Heater Hose - 5/8” diameter, 50’</td>
</tr>
<tr>
<td>COMPRESSOR</td>
<td>See 75 Series Compressors section  See 75 Series Compressors section  See 75 Series Clutch section</td>
</tr>
<tr>
<td>R13 SERVICE VALVES</td>
<td>75R5611 &amp; 75R5618 Required with CCI and TECUMSEH applications.  75R5618 &amp; 75R5688 Required with CCI and TECUMSEH applications.</td>
</tr>
<tr>
<td>R134A CHARGE FITTING</td>
<td>75R5618 &amp; 75R5688 Required with CCI and TECUMSEH applications.</td>
</tr>
<tr>
<td>CLUTCH TECUMSEH/CCI</td>
<td>See 75 Series Clutch section</td>
</tr>
<tr>
<td>COMPRESSOR MOUNT KIT</td>
<td>See Compressor Mount Applications section</td>
</tr>
<tr>
<td>OPTIONS</td>
<td>Replacement Recirc Filter  78R5330  Plenum Assembly  RD-3-6560-0P  Universal Duct Kit  78R2100</td>
</tr>
</tbody>
</table>
R-8545 BACKWALL
Heavy Duty Air Conditioner Unit/Heat Option

CONSTRUCTION • MINING • AGRICULTURE

Compact and powerful are the best words to describe the R-8545. Inch for inch the R-8545 has the highest output of any unit its size in the off road. The R-8545 is constructed of heavy gauge coated steel and engineered to filter in-cab air as well as incoming outside air when pressurization is required.

The R-8545’s high performance, rugged construction and serviceability make it ideal for all off road applications where space is a minimum and dependability essential.

R-8545 SPECIFICATIONS

BTU’S
Heating – 28,600 BTU/Hr @ 100°F (8.4 kW @ 37.8°C) air temperature rise
Cooling – 18,000 BTU/Hr with 36°F (5.3 kW with 2.2°C) refrigerant temp. and 80°F (26.7°C) wet bulb entering air

AIR FLOW
265 CFM (450 m³/h)

WEIGHT
Heater & A/C – 39 lbs (18 kg)
A/C Only – 34 lbs (15 kg)

MOTOR
Totally sealed, 12 or 24 VDC permanent magnet type with long life brushes, and heavy duty pre-lubricated sealed ball bearings

CURRENT DRAW
16.1 amps @ 13.6 VDC
8 amps @ 27.2 VDC (includes 2 amps for A/C clutch)

CONTROLS
Mode selector switch (heat or A/C), three-speed fan switch, fixed setting A/C thermostat, cable controlled water valve

R-8545 SYSTEM ORDERING GUIDE

<table>
<thead>
<tr>
<th>UNIT</th>
<th>CONSTRUCTION</th>
<th>MINING</th>
<th>AGRICULTURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>R-8545-14P</td>
<td>12 VDC – A/C Only</td>
<td>12 VDC – A/C Only</td>
<td></td>
</tr>
<tr>
<td>R-8545-14-24P</td>
<td>24 VDC – A/C Only</td>
<td>24 VDC – Heater/A/C</td>
<td></td>
</tr>
<tr>
<td>R-8545-12P</td>
<td>12 VDC – A/C Only</td>
<td>12 VDC – Heater/A/C</td>
<td></td>
</tr>
<tr>
<td>R-8545-12-24P</td>
<td>24 VDC – Heater/A/C</td>
<td>24 VDC – Heater/A/C</td>
<td></td>
</tr>
</tbody>
</table>

CONDENSER
R-9720-3P - 12V Remote Mount
See Units Condenser section
R-9720-3-24P - 24V Remote Mount
See Units Condenser section
77R0650 - Radiator Mount
See 77 Series Condensers section

GENERAL PURPOSE INSTALLATION KIT
78R11705 Remote Mount Condenser
See Units Condenser section
78R1027 / 9D-5-1186-1P Radiator mount condenser / E-Z Clip version
See Units Condenser section
78R1025 Radiator mount condenser / 4TCO version
See Units Condenser section
78R0100 Heater Hose – 5/8” Dia. 50ft
See Units Condenser section

R12 SERVICE VALVES
75R5611 & 75R5618 Required for CO and TECUMSEH applications.

R134A CHARGE FITTING
75R5681 & 75R5688 Required for CO and TECUMSEH applications.

CLUTCH TECUMSEH/CCI
See 75 Series Clutch section

COMPRESSOR MOUNT KIT
See Compressor Mount Applications section

OPTIONS
3” Air Outlet Adapter for Pressurization 6D-3-5448-0P
See Compressor Mount Applications section
Remote Filters See Filters & Pressurizers section
Pressurizers See Filters & Pressurizers section
Universal Duct Kit 78R2100
See Universal Duct Kit section
Plenum 9D-3-14486-0P
See Universal Duct Kit section

Filter Kits for use with in-line booster pressurizer
Horizontal: 78R5100
Vertical: 78R5110

Inline Booster Pressurizers
73R9032 (12 VDC)
73R9204 (24 VDC)

3” DEFROST HOSE
SOLD SEPARATELY
78R0300

= Limited to stock on hand
HEATER-A/C

R-8725/R-8730 UNDERDASH

Drop In Evaporator

FOR FORD “L” SERIES CONVENTIONALS

Taking advantage of the existing O.E.M. housing and blower system, Red Dot offers evaporator kits for the new Ford “L” Series vehicles. Included is the installation kit, hose kit, condenser, and evaporator to make an easy complete installation.

NOTE: DOES NOT FIT FORD “AEROMAX”

### R-8725 SYSTEM ORDERING GUIDE FOR VEHICLES 1991 TO 1996

Note: Not for viscous fan application. For complete kits order one of each item marked:

<table>
<thead>
<tr>
<th>Year</th>
<th>Models</th>
<th>Heater-Air Conditioner Kit</th>
<th>Engine</th>
<th>Steering</th>
<th>Air Brakes</th>
<th>R134a Compressor</th>
<th>Compressor Mount Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1991-96</td>
<td>R-8725-0P Kit Includes</td>
<td>3208 CAT with Air or Water Pump Fan</td>
<td>Vacuum</td>
<td>Std/Pwr</td>
<td>With</td>
<td>Tecumseh/CCI See Note A</td>
<td>75R9180</td>
</tr>
<tr>
<td></td>
<td>• Installation Kit w/Accumulator</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Hose Kit</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Condenser</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Evaporator</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• 134a Charge Fittings</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cummins 6 Cyl. L-10</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Std/Pwr</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>With</td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>75R8612</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>75R9540</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For complete kits order one Heater-Air Conditioner Kit, Compressor, Compressor Mount Kit

Not for viscous applications

**NOTE A:** TECUMSEH/CCI Compressors Require One Each (R134A 75R5688 & 75R5681); Clutch 75R1202

**NOTE B:** Condenser Only Fits Hoods Without Shutters

### FORD R-8730 DROP IN EVAPORATOR FOR L SERIES 1997-ON WITH AIR CONTROLS

For complete kits order one Heater-Air Conditioner Kit, Compressor, Compressor Mount Kit

Not for viscous applications

*The following items need to be ordered from Ford to complete installation:

One F6HZ-19980-A
One F6HZ-19B 888-B
Air Control to May 2000

**LS** = Limited to stock on hand

PAGE 34
The R-8820 heater/air conditioner is without question the best unit available for Mack R Model cabs. It can be installed using existing mounting points in all R, U, DM, RL/RS and RV cabs. Features include high performance, factory installed look and a completely new air control system.

**R-8820 SPECIFICATIONS**

**BTU’S**
- Heating – 27,000 BTU/hr @ 100°F (kw 7.91 @ 37.8°C) air temperature rise
- Cooling – 20,000 BTU/hr with 36°F (kw 5.86 with 2.2°C) refrigerant temp and 80°F (26.7°C) wet bulb entering air

**AIR FLOW**
- 250 CFM (425 m³/h)

**WEIGHT**
- 34 lbs. (15 kg)

**MOTOR**
- Permanent magnet, extended life

**CURRENT**
- 14 amps @ 13.6 VDC

**DRAW**

**CONTROLS**
- Three speed blower motor switch, temperature level and mode selection lever

**UNITS**
- R-8820-1P (tan)
- R-8820-2P (gray)

**MODEL LE & MR SEVERE SERVICE APPLICATIONS**

For Model LE & MR order Mack Kits are available from your Mack dealer.

- Component parts available separately from Red Dot: 75R8382 / RD-5-7088-0P Compressor (Mack #206RD413M)

**R-8820 SYSTEM ORDERING GUIDE**

<table>
<thead>
<tr>
<th>Model</th>
<th>Color</th>
<th>Engine</th>
<th>Base Kit</th>
<th>Installation Kit</th>
<th>Compressor</th>
<th>Condenser With CMCAC</th>
<th>Condenser Without CMCAC</th>
<th>Mount &amp; Drive Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>R &amp; U (1980-89)</td>
<td>G</td>
<td>E6 with two Valve</td>
<td>R-8820-2P</td>
<td>78R1470</td>
<td>758382</td>
<td>770570</td>
<td>771300</td>
<td>7589500</td>
</tr>
<tr>
<td>R &amp; U (1980-89)</td>
<td>G</td>
<td>E6 with Ambico &amp; Bosch 6000 Injector</td>
<td>R-8820-2P</td>
<td>78R1470</td>
<td>758382</td>
<td>770570</td>
<td>771300</td>
<td>7599730</td>
</tr>
<tr>
<td>R &amp; U (1980-89)</td>
<td>T</td>
<td>E6 with two Valve</td>
<td>R-8820-1P</td>
<td>78R1470</td>
<td>758382</td>
<td>770570</td>
<td>771300</td>
<td>7599500</td>
</tr>
<tr>
<td>R &amp; U (1980-89)</td>
<td>T</td>
<td>E6 with Ambico &amp; Bosch 6000 Injector</td>
<td>R-8820-1P</td>
<td>78R1470</td>
<td>758382</td>
<td>770570</td>
<td>771300</td>
<td>7599730</td>
</tr>
<tr>
<td>RD (1980-89)</td>
<td>T</td>
<td>E6 with two Valve</td>
<td>R-8820-1P</td>
<td>78R1470</td>
<td>758382</td>
<td>770570</td>
<td>771300</td>
<td>7599500</td>
</tr>
<tr>
<td>RB &amp; RD (1980-89)</td>
<td>T</td>
<td>E6 with Ambico &amp; Bosch 6000 Injector</td>
<td>R-8820-2P</td>
<td>78R1470</td>
<td>758382</td>
<td>770570</td>
<td>771300</td>
<td>7599730</td>
</tr>
<tr>
<td>RB &amp; RD (1980-89)</td>
<td>T</td>
<td>E6 with Bosch 7100 HP</td>
<td>R-8820-2P</td>
<td>78R1470</td>
<td>758382</td>
<td>770570</td>
<td>771300</td>
<td>7599730</td>
</tr>
</tbody>
</table>

**UPGRADE HEATER TO HEATER-A/C**

- MR Conversion Kit – E6 with 4 valve (All) RD-5-8622-0P Included Included N/A 75R9940
- MR Conversion Kit – E7 RD-5-8622-0P Included Included N/A Mack Dealer

**R-8820 UNDERDASH**

Heater/Air Conditioner Unit

For ALL MACK “R” MODEL CABS

The R-8820 heater/air conditioner is without question the best unit available for Mack R Model cabs. It can be installed using existing mounting points in all R, U, DM, RL/RS and RV cabs. Features include high performance, factory installed look and a completely new air control system.
**R-9520 FLOOR**

*Heater A/C with Reversible Cores*

**CONSTRUCTION • MINING • AGRICULTURE**

Designed to be floor mounted behind the seat the R-9520 is low profile and provides significant air flow. The plenum options have been designed to offer maximum flexibility to duct or direct the air where it’s needed. A variety of remote-mount controls are available to complete the installation. A plastic trim kit is also available to be used with the louvered plenum assembly to complete the integrated look.

### R-9520 SPECIFICATIONS

| BTU'S | Heating – 31,600 BTU/Hr @ 100°F (9.3 kW @ 37.8°C) air temp. rise,  
Cooling – 33,070 BTU/hr with 36°F (9.7 kW with 2.2°C) refrigerant temp. and 80°F (26.7°C) wet bulb entering air |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AIR FLOW</td>
<td>430 CFM (730 m³/h)</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>41 lbs. (19 kg)</td>
</tr>
<tr>
<td>MOTOR</td>
<td>One three-speed; vented; permanent magnet</td>
</tr>
</tbody>
</table>
| CURRENT DRAW | 11.2 amps @ 27.2 VDC  
(includes 2 amps for A/C clutch) |

### R-9520 SYSTEM ORDERING GUIDE

<table>
<thead>
<tr>
<th>R12/R-134a</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>R-9520-OP</td>
<td>12 VDC - Heater / Air Conditioner</td>
</tr>
<tr>
<td>R-9520-0-24P</td>
<td>24 VDC - Heater / Air Conditioner</td>
</tr>
<tr>
<td>CONDENSER</td>
<td></td>
</tr>
</tbody>
</table>
| 77R7100 - Radiator Mount  
R-9725-1P - Remote Mount  
R-9725-1-24P - Remote Mount | See 77 Series Condensers section  
12 VDC - See Units Condensers section  
24 VDC - See Units Condensers section |
| INSTALLATION KITS | |
| 78R1027 / RD-5-11864-1P  
78R1025  
78R1705 | Radiator mount condenser / E-Z Clip version  
Radiator mount condenser / ATCO version  
Remote Mount Condenser |
| COMPRRESSOR | See 75 Series Compressor section |
| R12 SERVICE VALVES | 75R5611 & 75R5618  
Required with CCI and TECUMSEH applications. |
| R134A CHARGE FITTING | 75R5681 & 75R5688  
Required with CCI and TECUMSEH applications. |
| CLUTCH TECUMSEH/CCI | See 75 Series Clutch section |
| COMPRESSOR MOUNT KIT | See Compressor Mount Applications section |
| OPTION | 71R5600 or 71R5605  
See 71 Series Control Panels section |

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**NOTE:** controls are customer supplied.

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Louvered Plenum Assembly  
RD-3-10111-0P  
Ductable Plenum Assembly  
RD-3-10112-0P
R-9715 HEADLINER
High Capacity Ceiling Mount Air Conditioner

BUSES • VANS • FIRE TRUCKS

The highest capacity unit in our headliner air conditioner line, the R-9715 offers big airflow at 577 CFM. Red Dot has used its established engineering experience to produce the most attractive, quality product on the market. The R-9715 can be used in a variety of larger cab applications such as: Shuttle buses/vans, fire trucks, and smaller school buses. An electric water pump can be used in tilt cab situations or in extremely humid applications.

R-9715 SPECIFICATIONS

<table>
<thead>
<tr>
<th>BTU’S</th>
<th>Cooling – 39,500 BTU/Hr with 36°F (11.6 kW with 2.2°C) refrigerant temp. and 80°F (26.7°C) wet bulb entering air</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIR FLOW</td>
<td>577 CFM (980 m3/h)</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>40 lbs. (18 Kg)</td>
</tr>
<tr>
<td>CURRENT DRAW</td>
<td>26.3 amps @ 13.6 VDC (includes 4 amps for A/C clutch)</td>
</tr>
<tr>
<td></td>
<td>13.2 amps @ 27.2 VDC (includes 2 amps for A/C clutch)</td>
</tr>
</tbody>
</table>

R-9715 SYSTEM ORDERING GUIDE

<table>
<thead>
<tr>
<th>R12/R-134a</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNITS</td>
<td></td>
</tr>
<tr>
<td>R-9715-11P</td>
<td>12 VDC - replaces R-9715-10P</td>
</tr>
<tr>
<td>R-9715-11-24P</td>
<td>24 VDC - replaces R-9715-10-24P</td>
</tr>
<tr>
<td>CONDENSER</td>
<td></td>
</tr>
<tr>
<td>R-4500-8P Remote Mount</td>
<td>12 VDC</td>
</tr>
<tr>
<td>R-4500-8-24P Remote Mount</td>
<td>24 VDC</td>
</tr>
<tr>
<td>INSTALLATION KIT</td>
<td></td>
</tr>
<tr>
<td>78R1027 / RD-5-11864-1P</td>
<td>Refrigerant hose, fittings, drier, pressure switch, hardware/E-Z Clip version for front mounted condensers</td>
</tr>
<tr>
<td>78R1025</td>
<td>Refrigerant hose, fittings, drier, pressure switch, hardware / ATCO version for front mounted condensers</td>
</tr>
</tbody>
</table>

COMPRESSOR

See 75 Series Compressor section

R12 SERVICE VALVES

75R5611 & 75R5618 Required with CCI and TECUMSEH applications.

R134A CHARGE FITTING

75R5681 & 75R5688 Required with CCI and TECUMSEH applications.

CLUTCH TECUMSEH/CCI

See 75 Series Clutch section

COMPRESSOR MOUNT KIT

See Compressor Mount Applications section

DUAL PUMP KIT

RD-2-3825-0P
R-9727 ROOFTOP
Air Conditioner Unit

CONSTRUCTION • MINING • AGRICULTURE

The R-9727 has set the standard in the off highway market for rooftop air conditioning. Years of development have made this unit the most rugged, dependable and serviceable unit in the industry.

It’s heavy gauge steel construction and heavy duty components assure trouble free operation in the most extreme environments. Should service be necessary, rubber hood tie-downs unlatch and expose easily removable components to minimize expensive down time.

Winter Cover
RD-5-4031-0
(not shown)

3” defrost hose
78R0300
(not shown)

R-9727 SPECIFICATIONS

BTU’S
Cooling – 22,000 BTU/HR with 36°F (6.4 kW w/2.2°C) refrigerant temp. and 80°F (26.7°C) wet bulb entering air

AIR FLOW
Evaporator – 320 CFM (554 m³/h)
Condenser – 650 CFM (1444 m³/h)

WEIGHT
104 Lbs (47 Kg)

MOTORS
Evaporator – One, 12 VDC, three-speed, 24 VDC available
Condenser – One, 12 VDC, single-speed, 24 VDC available

CURRENT DRAW
29 amps @ 13.6 VDC (includes 4 amps for A/C clutch)
18 amps @ 27.2 VDC (includes 2 amps for A/C clutch)

CONTROLS
Three speed blower and adjustable thermostat

R-9727 SYSTEM ORDERING GUIDE

R12/R-134a NOTES
UNITS
R-9727-2P 12 VDC
R-9727-2-24P 24 VDC

CONDENSER
Contained in R-9727 Unit

INSTALLATION KIT
78R1605 Refrigerant hose and fittings

COMPRESSOR
See 75 Series Compressor section

R12 SERVICE VALVES
75R5611 & 75R5618 Required with CCI and TECUMSEH applications.

R134A CHARGE FITTING
75R5681 & 75R5688 Required with CCI and TECUMSEH applications.

CLUTCH
See 75 Series Clutch section

COMPRESSOR MOUNT KIT
See Compressor Mount Applications section

OPTIONS

Stiffener Brackets
RD-3-5790-0P

Remote Mount Filters
Must be used with In-line Booster Pressurizer
Horizontal: 78R5100
10 1⁄4” dia. x 18” long
(26.04cm x 45.27cm)
Vertical: 78R5110
10 1⁄4” dia. x 23 3⁄4” long
(26.04cm x 450.33cm)

In-line Booster Pressurizer:
7389202 (12 VDC)
7389204 (24 VDC)
For use with Remote Mount Filters
78R5100 & 78R5110 only

Winter Cover
RD-5-4031-0
(not shown)

3” defrost hose
sold separately
78R0300
(not shown)

Hydraulic Compressor Kit
RD-5-13484-0P
Includes an R-9976 hydraulic axial direct drive, mounting bracket and all required A/C hoses and fittings.

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**OFF ROAD**

**R-9750 HEADLINER**

**Air Conditioner Unit with Heat Option**

**CONSTRUCTION • MINING • AGRICULTURE**

The R-9750 is the ultimate choice in off road air conditioning comfort. The R-9750 produces a quick 240 CFM and filters recirculating cab air. Cab pressurization can be added using an outside air adapter and particulate filter. **A HEATER OPTION** rounds out the R-9750 into a perfect package for equipment manufacturers looking for a powerful product in a minimum amount of space.

**R-9750 SPECIFICATIONS**

<table>
<thead>
<tr>
<th><strong>BTU’S</strong></th>
<th>Cooling – 17,000 BTU/Hr with 36°F (5 kW with 2.2°C) referent temp. and 80°F (26.7°C) wet bulb entering air Heating – 25,600 BTU/Hr @ 100°F (7.5 kW @ 37.8°C) air temp. rise</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AIR FLOW</strong></td>
<td>240 CFM (408 m³/h)</td>
</tr>
<tr>
<td><strong>WEIGHT</strong></td>
<td>44 lbs. (20 kg)</td>
</tr>
<tr>
<td><strong>CURRENT DRAW</strong></td>
<td>13 amps @ 13.6 VDC (includes 4 amps for A/C clutch) 6.5 amps @ 27.2 VDC (includes 2 amps for A/C clutch)</td>
</tr>
</tbody>
</table>

**OPTIONS:**

- Outside Air Adapter *(optional)*
  - RD-3-4784-0P (installed on back of unit)
- Heater Conversion Kit
  - RD-5-5982-1P (not shown)

**R-9750 SYSTEM ORDERING GUIDE**

**UNITS**

- R-9750-9P
- R-9750-9-24P
- R-9750-1OP
- R-9750-10-24P

**CONDENSER**

- Radiator Mount
- Remote Mount

**INSTALLATION KIT**

- 78R1705

**COMPRESSOR**

See 75 Series Compressor section

**R12 SERVICE VALVES**

- 75R5611 & 75R5618

**R134A CHARGE FITTING**

- 75R5681 & 75R5688

**CLUTCH TECUMSEH/CCI**

See 75 Series Clutch section

**COMPRESSOR MOUNT KIT**

See Compressor Mount Applications section

**OPTIONS**

- Outside Air Adapter
- Remote Mount Filters
- Replacement Recirc. Filter
- In-Line Booster Pressurizers *
- Heat Conversion Kit
- Metal Converter Controls
- Cable

* Booster Pressurizer Can Only Be Used With Remote Mount Filters

\[\text{RD} = \text{Limited to stock on hand}\]
R-9755 HEADLINER
Air Conditioner Unit

CONSTRUCTION • MINING • INDUSTRIAL

The R-9755 compact headliner air conditioner was designed for hard to air condition cabs. Its compact, low profile, heavy duty construction makes this unit the best in its class for off road applications. With its capacity to filter recirculated air and adaptability to use an outside air adapter, dusty environments are not a problem.

R-9755 SPECIFICATIONS

<table>
<thead>
<tr>
<th>Description</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTU'S</td>
<td>Cooling – 17,000 BTU/Hr with 36°F (5 kW with 2.2°C) refrigerant temp. and 80°F (26.7°C) wet bulb entering air</td>
</tr>
<tr>
<td>AIR FLOW</td>
<td>240 CFM (408 m³/h)</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>32 lbs. (14.5 kg)</td>
</tr>
<tr>
<td>CURRENT DRAW</td>
<td>14.1 amps @ 13.6 VDC (includes 4 amps for A/C clutch)</td>
</tr>
<tr>
<td></td>
<td>7 amps @ 27.2 VDC (includes 2 amps for A/C clutch)</td>
</tr>
</tbody>
</table>

OPTIONS:

- **Outside Air Adapter (optional)**
  - RD-3-4784-0P with 3” Inlet
    (installed on back of unit)

- Remote Mount Filter Kits
  - See Filters & Pressurizers section

- Inline Booster Pressurizers
  - See Filters & Pressurizers section

R-9755 SYSTEM ORDERING GUIDE

<table>
<thead>
<tr>
<th>R12/R-134a</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
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<td>78R 5350</td>
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<td>See Filters &amp; Pressurizers section</td>
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* Booster Pressurizer Can Only Be Used With Remote Mount Filters
**R-9757 ROOFTOP**

*Heater/Air Conditioner Unit*

**CONSTRUCTION • MINING • AGRICULTURE**

The R-9757 rooftop heater/air conditioner is designed with versatility and dependability in mind. In addition, this unit comes with HEAT. Dependable, Red Dot has again used its many years of off road experience in designing the R-9757 with the most rugged and highest quality components available.

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### OPTIONS:

- **Remote Mount Filters**
  - Must be used with In-line Booster Pressurizer
  - Horizontal: 78R5100
    - 10 1⁄4" dia. x 18" long
    - (26.04 cm x 45.27 cm)
  - Vertical: 78R5110
    - 10 1⁄4" dia. x 23 3⁄4" long
    - (26.04 cm x 50.33 cm)

- **In-line Booster Pressurizers**
  - 73R9202 (12 VDC)
  - 73R9204 (24 VDC)
  - For use with Remote Mount Filters 78R5100 & 78R5110 only

**Recirculating Air Cutout**

**Air Outlet Cutouts**

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#### R-9757 SPECIFICATIONS

- **BTU’S**
  - **Heating –** 45,000 BTU/Hr @ 100°F (13.2 kw @ 37.8°C) air temp. rise
  - **Cooling –** 25,000 BTU/Hr with 36°F (7.3 kw with 2.2°C) refrigerant temp. and 80°F (26.7°C) wet bulb entering air

- **AIR FLOW**
  - 400 CFM (680 m³/h)

- **WEIGHT**
  - 135 lbs. (61 kg)

- **MOTORS**
  - Evaporator – One 12 VDC, three speed (24 VDC available)
  - Condenser – One 12 VDC low profile (24 VDC available)

- **CURRENT**
  - **DRAW**
    - 3.8 amps @ 13.6 VDC (includes 4 amps for A/C clutch)
    - 19.1 amps @ 27.2 VDC (includes 2 amps for A/C clutch)

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**R-9757 SYSTEM ORDERING GUIDE**

- **R12/R-134a NOTES**
  - UNITS
    - R-9757-0P 12 VDC - Heater A/C
    - R-9757-0-24P 24 VDC - Heater A/C

- **CONDENSER**
  - Contained in the R-9757

- **INSTALLATION KIT**
  - 78R1805 Refrigerant hose, fittings and hardware.

- **COMPRESSOR**
  - See 75 Series Compressor section

- **R12 SERVICE VALVES**
  - 75R5611 & 75R5618 Required with CCI and TECUMSEH applications.

- **RT34A CHARGE FITTING**
  - 75R5681 & 75R5688 Required with CCI and TECUMSEH applications.

- **CLUTCH TECUMSEH/CCI**
  - See 75 Series Clutch section

- **COMPRESSOR MOUNT KIT**
  - See Compressor Mount Applications section

**OPTIONS**

- **Fresh Air Filter Box**
  - RD-3-6767-1P

- **Replacement Filter**
  - RD-3-6406-0P (Fresh Air Filter Box)

- **Paper Replacement Filter**
  - RD-3-6407-0P (Fresh Air Filter Box)

- **Remote Mount Filters**
  - 78R5210 (Horizontal)
  - 78R5219 (Vertical)

- **Replacement Filters**
  - 78R5110 (Horizontal)
  - 78R5130 (Vertical)

- **Replacement Gasket Kit**
  - 78R5370

- **In-Line Booster Pressurizers**
  - **For use with Remote Mount Filters 78R5100 & 78R5110 only**
    - 73R9202 (12 VDC)
    - 73R9204 (24 VDC)

- **Replacement Receiver Drier**
  - 74R2546

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* Booster Pressurizer Can Only Be Used With Remote Mount Filters

**Must be used with In-line Booster Pressurizer**
Red Dot has used the latest in design techniques to produce a rugged unit, which combines Euro styling with heavy duty components that will withstand the roughest of applications. The R-9777 Heater/Air conditioner is the first in our industry to employ engineered resin technology. This Euro styling and design sets this unit far beyond the competition in appearance, durability and performance. Through Red Dot’s proven performance tests the R-9777 has exceeded our expectations.

Component Selection and Performance
- High Performance Blower
- Heavy Duty Tube and Fin Evaporator
- High Capacity Spring Loaded Receiver Drier
- Multi Flow Condenser
- A Single High Performance Durable Condenser Fan

Design and Styling
- Unique Low Profile Housing
- "Built to Survive" Engineered Resin Housing
- Positive Pressure Design
- Optional Outside Air Pressurization
- Easy to Service Components

Plenum
- Contoured Design
- Four Multi-Direction Louvers
- Easy to Operate Switches and Controls
- Recirculation Air Filtration

Performance
- 45,000 BTUs Heating
- 25,000 BTUs Cooling
- 355 CFM Air Flow

R-9777 SPECIFICATIONS

**BTU’S**
- Heating – 45,000 BTU/Hr @ 100°F (13.2 kw @ 37.8°C) air temp. rise
- Cooling – 25,000 BTU/Hr with 36°F (7.3 kw with 2.2°C) refrigerant temp. and 80°F (26.7°C) wet bulb entering air

**AIR FLOW**
- 355 CFM (580 m³/h)

**WEIGHT**
- 65 lbs.

**MOTORS**
- Evaporator – One 12 VDC, three speed (24 VDC available)
- Condenser – One 12 VDC low profile (24 VDC available)

**CURRENT**
- 38.2 amps @ 13.6 VDC (includes 4 amps for A/C clutch)
- 19.1 amps @ 27.2 VDC (includes 2 amps for A/C clutch)

R-9777 SYSTEM ORDERING GUIDE

**UNITS**
- R-9777-0P Heater A/C 12VDC
- R-9777-0-24P Heater A/C 24VDC
- R-9777-1P A/C Only 12VDC
- R-9777-1-24P A/C Only 24VDC

**CONDENSER**
- Contained in the R-9777

**INSTALLATION KIT**
- 78R1805 Refrigerant hose, fittings and hardware.

**COMPRESSOR**
- See 75 Series Compressor section

**R12 SERVICE VALVES**
- 75R5611 & 75R5618 Required with CCI and TECUMSEH applications.

**R134A CHARGE FITTING**
- 75R5681 & 75R5688 Required with CCI and TECUMSEH applications.

**CLUTCH TECUMSEH/CCI**
- See 75 Series Clutch section

**COMPRESSOR MOUNT KIT**
- See Compressor Mount Applications section

**OPTIONS**
- Remote Mount Filters ** 78R5100 (Horizontal)
- Replacement Filters 78R5110 (Vertical)
- Replacement Gasket Kit 70-3-10210-0P
- In-Line Booster Pressurizers * 73R9202 (12 VDC) For use with Remote Mount Filters
- Replacement Receiver Drier 74R2546, 74R2590

* Booster Pressurizer Can Only Be Used With Remote Mount Filters
** Must be used with In-Line Booster Pressurizer

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*Limited to stock on hand*
The R-9800 can be mounted in either VERTICAL or HORIZONTAL positions and the control panel can be remote mounted for operator convenience. Rubber tie-downs unlatch for easy servicing of all components. Optional equipment includes: a remote mount filter and in-line booster blower for a pressurized, cool, and dust free cab.

**OPTIONS:**
- Remote Mount Filters
  - Must be used with in-line booster pressurizer
  - Horizontal: 78R5110
  - Vertical: 78R5110
- In-line Booster Pressurizer:
  - 73R9202 (12 VDC)
  - 73R9204 (24 VDC)
- Replacement Filter Backpack Mount
  - 78R5200
- Replacement Filter Remote Mount
  - 78R5210
- Replacement Receiver Drier
  - 74R2546
- Air Outlet Adapter for In-Line Booster Pressurizer
  - 72R4531

**R-9800 SPECIFICATIONS**
- **BTU’S**
  - Heating – 45,000 BTU/Hr @ 100°F (13.2 kW @ 37.8°C) air temperature rise
  - Cooling – 25,000 BTU/Hr with 36°F (7.3 kW @ 2.2°C) refrigerant temp and 80°F (26.7°C) wet bulb entering air
- **AIR FLOW**
  - 400 CFM (680 m³/hr)
- **WEIGHT**
  - 70 lbs. (32 kg)
- **MOTORS**
  - One 12 VDC, three-speed (24 VDC available)
- **CURRENT DRAW**
  - 22.7 amps @ 13.6 VDC (includes 4 amps for A/C clutch)
  - 11.4 amps @ 27.2 VDC (includes 2 amps for A/C clutch)

**R-9800 SYSTEM ORDERING GUIDE**
- **R12/R-134a NOTES**
  - UNIT
    - R-9800-0P 12 VDC
    - R-9800-0-24P 24 VDC
  - CONDENSER
    - 77R0700 Radiator Mount See 77 Series Condenser section
    - R-9725 Remote Mount See Units Condenser section
  - INSTALLATION KIT
    - 78R1705 Refrigerant hose, fittings and hardware
  - COMPRESSOR
    - See 75 Series Compressor section
  - R12 SERVICE VALVES
    - 75R5611 & 75R5618 Required with CCI and TECUMSEH application.
  - R134A CHARGE FITTING
    - 75R5681 & 75R5688 Required with CCI and TECUMSEH application.
  - CLUTCH TECUMSEH/CCI
    - See 75 Series Clutch section
  - COMPRessor MOUNT KIT
    - See Compressor Mount Applications section
  - OPTIONS
    - Remote Mount Filters **
      - 78R5100 (Horizontal)
      - 78R5110 (Vertical)
    - Replacement Filters
      - 78R5210 (Remote Mount)
    - Replacement Recirculating Filters
      - 78R5360
    - Replacement Gasket Kit
      - 9D-3-10210-0P
    - In-Line Booster Pressurizer *
      - 73R9202 (12 VDC)
      - 73R9204 (24 VDC)
    - Replacement Receiver Drier
      - 74R2546
    - Air Outlet Adapter for In-Line Booster Pressurizer
      - 72R4531

* Booster Pressurizer Can Only Be Used With Remote Mount Filters
** Must be used with In-Line Booster Pressurizer