

# R-2550

## Heater/Air Conditioner

### RESCUE VEHICLES

The R-2550 is specifically designed for ambulances and other lighter-duty vehicles with large interior spaces to heat and cool quickly.



#### R-2550 SPECIFICATIONS

**BTUs** Heating – 45,900 BTU/Hr @ 100°F (13.4 kW @ 37.8°C) air temperature rise  
Cooling – 35,600 BTU/Hr @ 36°F (10.4 kW @ 2.2°C) refrigerant temperature and 80°F (26.7°C) wet bulb entering air

**AIR FLOW** 390 CFM (662 m<sup>3</sup>/h)

**WEIGHT** 39 lbs. (17.7 kg)

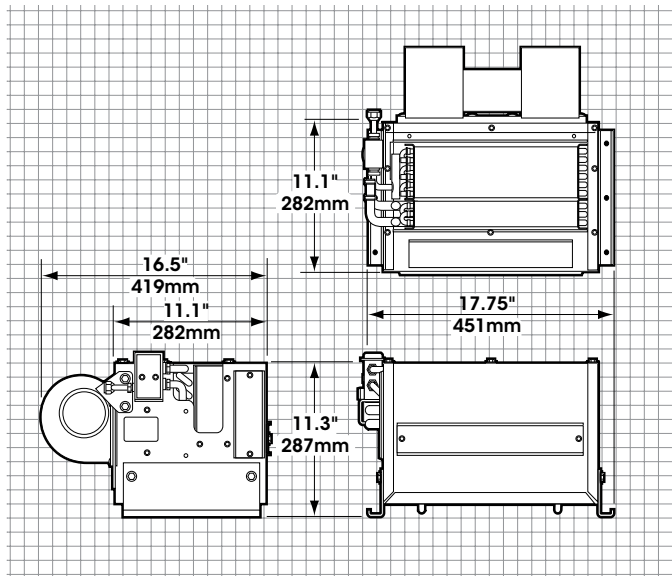
**CURRENT DRAW** 22 amps @ 13.6 VDC (Heater/AC)

**UNITS** R-2550-0P Heater/Air Conditioner (12 VDC)

#### OPTIONS:

**Control Panels** (See also 71 Series, Control Panels)

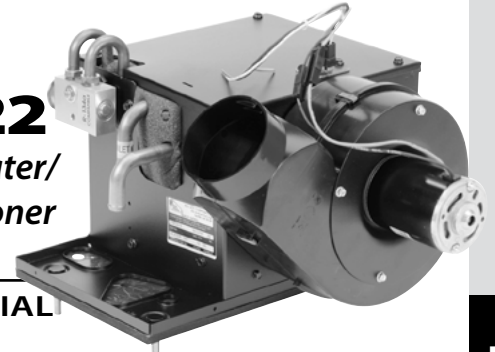
- 71R5600 Three-speed motor switch - includes manual water valve control
- 71R5605 Three-speed motor switch - includes electronic water valve control
- 71R5122 Three-speed motor switch - includes A/C switch and electronic water valve
- 71R5812 Automatic Temperature Control - 12 volt
- 71R5212 Heater-A/C Control - Three-speed motor switch with Red Dot Twin Temp™ Control



# R-4122

## Sleeper Heater/ Air Conditioner Unit

### COMMERCIAL TRUCKS • INDUSTRIAL CABS • VANS



A high-performance heater-A/C unit for big interior spaces, the R-4122 helps keep the sleeper comfortable in any climate. Available with optional sleeper controls and a four-way air diffuser.

#### R-4122 SPECIFICATIONS

**BTUs** Heating – 30,573 BTU/Hr @ 100°F (8.9 kW @ 37.8°C) air temperature rise  
Cooling – 19,246 BTU/Hr with 36°F (5.6 kW with 2.2°C) refrigerant temperature and 80°F wet bulb entering air

**AIR FLOW** 283 CFM (481 m<sup>3</sup>/h)

**WEIGHT** 28 lbs. (12.7kg)

**MOTORS** Permanent magnet, three-speed

**CURRENT DRAW** 18 amps @ 13.6 VDC

**UNITS** Heater/A/C R-4122-9P 12 VDC

#### OPTIONS:

**Four-Way Air Assembly Diffuser**

(outlets are 2 5/8" dia)

RD-3-7646-0P

**Plumbing Kit**

RD-3-12465-0P

**Single Shaft, Single Speed Blower Motor**

73R0404

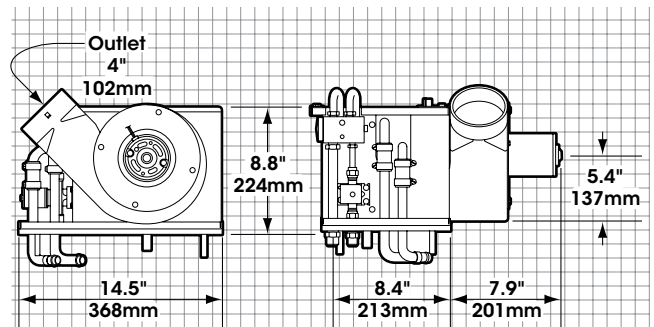
**Control Panels** (See also 71 Series, Control Panels)

- 71R5600 Three-speed motor switch - includes manual water valve control
- 71R5605 Three-speed motor switch - includes electronic water valve control
- 71R5122 Three-speed motor switch - includes A/C switch electronic water valve
- 71R5812 Automatic Temperature Control - 12 volt
- 71R5212 Heater-A/C Control - three-speed motor switch, Red Dot Twin Temp™ Control

**Sleeper Control**

R-4122-9P – 71R5212 (thermostat with fan and mode switch)

**Solenoid Valve, 24v**  
71R9004



**KALMAR**

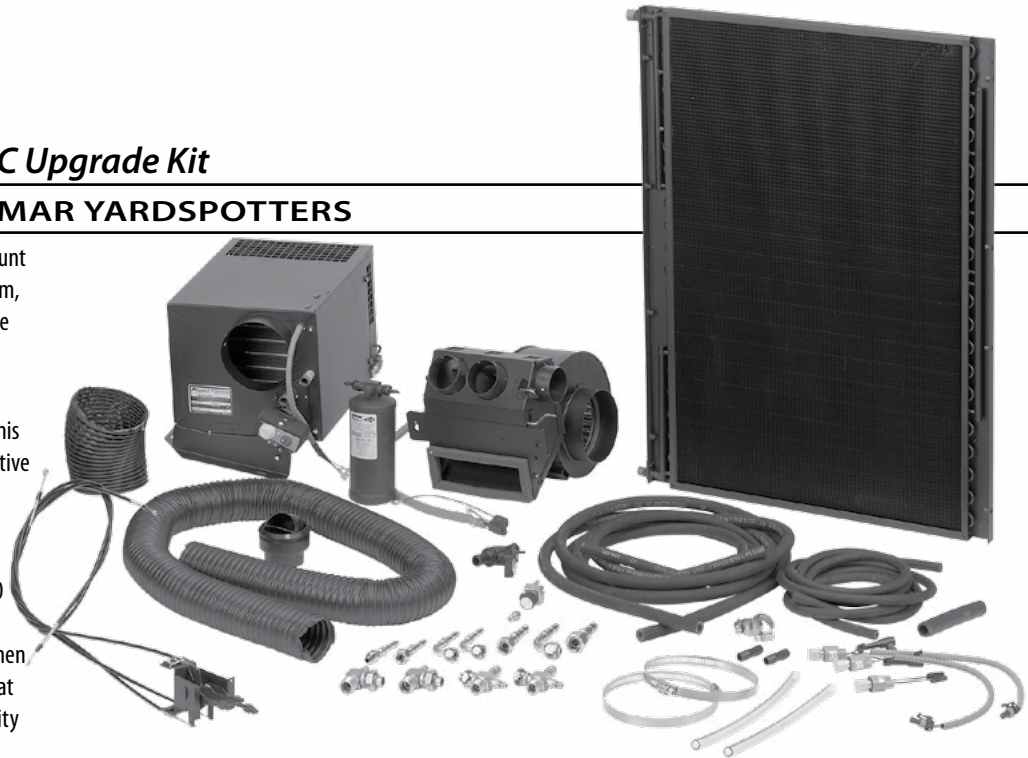
**R-3310**

*Complete Heater A/C Upgrade Kit*

**FOR OTTAWA KALMAR YARDSPOTTERS**

Yard trucks, spotters, dogs, mules, shunt trucks—no matter what you call them, Kalmar Ottawa yard vehicles are made for productivity.

Now Red Dot is offering the R-3310 under-dash HVAC unit to help make this work environment even more productive and comfortable. This kit replaces the current heater with the blower mounting under dash. Offering a cool 17,000 BTU's and 290 CFM, the R-3310 produces 25% more airflow over the existing heater. It's an ideal choice when you need an exact-fit replacement that exceeds the performance and reliability of the original.



HEATER-A/C

**R-3310 SPECIFICATIONS**

**BTUS** Heating 25,000 BTU/Hr @100 F (7.3 kW @ 37.8 C)  
Cooling 17,000 BTU.Hr @ 36 F (5 kW @ 2.2 C)

**AIR FLOW** 290 CFM (493 m3/h)

**VOLTAGE** 19.5 amps @ 13.6 VDC

**CONTROLS** Three lever controls  
 ● Fresh Air/Recirc Air  
 ● Temperature  
 ● Mode

**CONDENSER** 32" x 23.7" x 1" thick  
22,000 BTUs

**MOTOR/FAN** Vented Ball Bearing

**FITS** Kalmar Ottawa Yard Spotters  
YT-30 Series, 1998 to 2010  
Left-hand cab

**R-3310 SYSTEM ORDERING GUIDE**

<b>KIT NUMBER</b>	R-3310-3P
<b>HVAC UNIT</b>	Included
<b>CONDENSER</b>	Included
<b>INSTALL KIT</b>	Included
<b>MOUNT KIT</b>	Not Included
<b>COMPRESSOR</b>	Not Included

Order Part Number **R-3310-3P**

Included is the heater, evaporator, condenser, and an installation kit. Compressor and mount kit not included.

**ON-ROAD**

# R-5040 BACKWALL

Heater with Air Conditioner Option

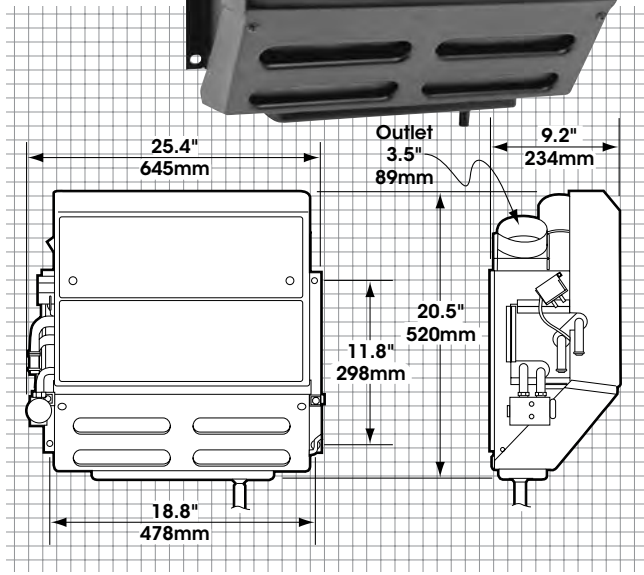
**RV • ARMORED CARS •  
RESCUE VEHICLES • LARGE CABS**

At 425 CFM, the R-5040 is built to heat and cool high-volume interiors. The blower assemblies are easily accessible so the installer can duct the air to where it's needed, and the controls can be remote-mounted for the convenience of the operator.



**R-5040 SPECIFICATIONS**

<b>BTUs</b>	Heating – 48,000 BTU/Hr @ 100°F (14 kW @ 37°C) air temperature rise Cooling – 32,000 BTU/Hr with 36°F (9.4 kW with 2.2°C) refrigerant temperature and 80°F (26.7°C)
<b>AIR FLOW</b>	425 CFM (722 m³/h)
<b>WEIGHT</b>	Heater – 30 lbs. (14 kg) Heater-A/C – 39 lbs. (18 kg)
<b>MOTOR</b>	Two three-speed
<b>CURRENT DRAW</b>	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**

	R-134a	NOTES
<b>UNITS</b>	R-5040-0P R-5040-2P R-5040-4P R-5040-6P	12 VDC Heater 24 VDC Heater 12 VDC Heater/Air Conditioner 24 VDC Heater/Air Conditioner
<b>CONDENSER</b>	77R0700 - Radiator mount R-9730 - Remote mount	See page 449 See page 62
<b>INSTALLATION KIT</b>	78R1070 78R1077 78R1027 78R1025	Rooftop condenser ATCO version Rooftop condenser EZ Clip version Front mount condenser EZ Clip version Front mount condenser ATCO version
<b>COMPRESSOR</b>	Requires compressor and mounting kit	See 75 Series Compressor section on page 329

**OPTIONS: Control Panels** (See also 71 Series, Control Panels)

R-5040-0P	71R5821	Heater control - Three-speed motor switch with manual water valve control
R-5040-2P	71R5823	Heater control - Three-speed motor switch with electronic water valve control
R-5040-4P	71R5600	Three-speed motor switch - includes manual water valve control
	71R5605	Three-speed motor switch - includes electronic water valve control
	71R5122	Three-speed motor switch - includes A/C switch and electronic water valve
	71R5812	Automatic Temperature Control - 12 volt
R-5040-6P	71R5600	Three-speed motor switch - includes manual water valve control
	71R5605	Three-speed motor switch - includes electronic water valve control
	71R5122	Three-speed motor switch - includes A/C switch and electronic water valve
	71R5814	Automatic Temperature Control - 24 volt

**ON-ROAD**

# R-5045 BACKWALL

## Heater/Air Conditioner Unit

**ARMORED CARS • RESCUE VEHICLES • PERSONNEL CARRIERS**

Our highest-capacity backwall heater-A/C unit. Originally designed for armored cars, the R-5045 produces 430 CFM and has multidirectional louvers to direct airflow throughout aid cars, delivery trucks, and other vehicles with front and rear compartments. Specify rear air exhaust outlet or fresh-air intake.



HEATER-A/C

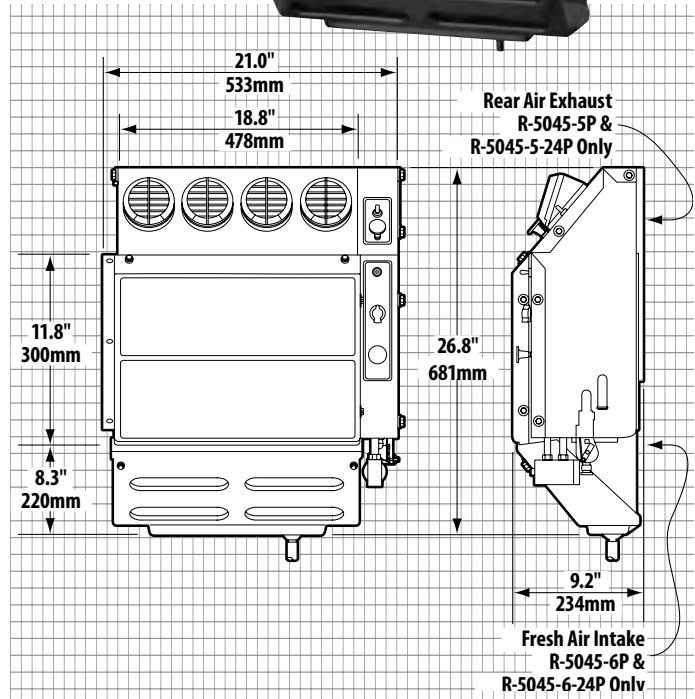
**R-5045 SPECIFICATIONS**

<b>BTUs</b>	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 temperature and 80°F (26.7°C) wet bulb entering air
<b>AIR FLOW</b>	430 CFM (730 m³/h)
<b>WEIGHT</b>	47 lbs. (21 kg)
<b>MOTOR</b>	One three-speed
<b>CURRENT</b>	22.5 amps @ 13.6 VDC (includes 4 amps for A/C clutch),
<b>DRAW</b>	11.2 amps @ 27.2 VDC (includes 2 amps for A/C clutch)

**OPTIONS:**

**Bulkhead Louver Kit**  
RD-3-3133-1P  
(-5 models only)

**Inline Booster Pressurizer**  
(-3 models only)  
see Filters & Pressurizers section



**R-5045 SYSTEM ORDERING GUIDE**

	<b>R-134a</b>	<b>NOTES</b>	
<b>UNIT</b>	R-5045-5P R-5045-5-24P R-5045-6P R-5045-6-24P	12 VDC - Rear Air Exhaust Outlet with rotary controls 24 VDC - Rear Air Exhaust Outlet with rotary controls 12 VDC - Fresh Air Intake 24 VDC - Fresh Air Intake	
<b>CONDENSER</b>	77R0700 R-9730	Radiator Mount Remote Mount	See page 449 See page 62
<b>INSTALLATION KIT</b>	78R1070 78R1077 78R1027 78R1025	Rooftop condenser Rooftop condenser Front mount condenser Front mount condenser	ATCO version EZ Clip version EZ Clip version ATCO version
<b>COMPRESSOR</b>	Requires compressor and mounting kit		See 75 Series Compressor section on page 329

**OFF-ROAD**

# R-5075 BACKWALL

## Heater/Air Conditioner Unit

### CONSTRUCTION • MINING • AGRICULTURE

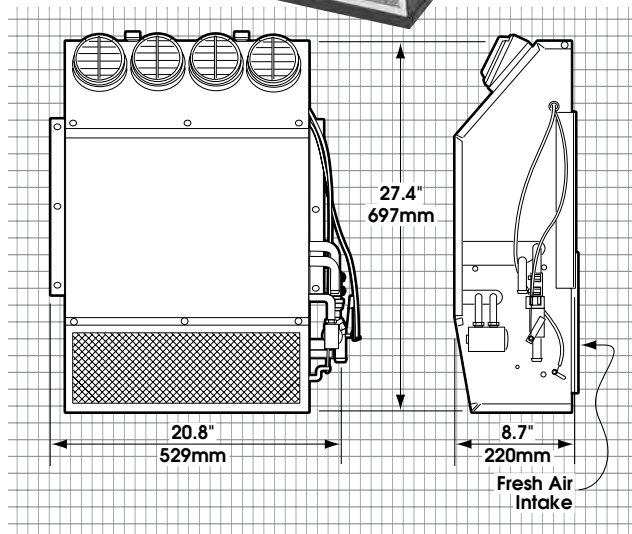
The R-5075 packages the performance and durability of our R-5045 heater-A/C unit into a robust metal housing for off-road equipment cabs. This unit has fresh-air intake and options include an in-line booster blower for a pressurized, dust-free cab.



HEATER-A/C

### R-5075 SPECIFICATIONS

<b>BTUs</b>	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 w/ 2.2°C) refrigerant temperature and 80°F (26.7°C) wet bulb entering air
<b>AIR FLOW</b>	430 CFM (730 m <sup>3</sup> /h)
<b>WEIGHT</b>	47 lbs. (21 kg)
<b>MOTOR</b>	One three-speed
<b>CURRENT</b>	21.8 amps @ 13.6 VDC (includes 4 amps for A/C clutch)
<b>DRAW</b>	10.9 amps @ 27.2 VDC (includes 2 amps for A/C clutch)



### R-5075 SYSTEM ORDERING GUIDE

	R-134a	NOTES	
<b>UNIT</b>	R-5075-0P R-5075-0-24P	12 VDC 24 VDC	
<b>CONDENSER</b>	77R0700 - Radiator Mount R-9730 - Remote Mount	See page 449 See page 62	
<b>INSTALLATION KIT</b>	78R1070 78R1077 78R1027 78R1025	Rooftop condenser Rooftop condenser Front mount condenser Front mount condenser	ATCO version EZ Clip version EZ Clip version ATCO version
<b>OPTIONS</b>	Replacement Recirc Filter Replacement Fresh Air Intake Filter Fresh Air Intake	78R5360 78R5320 78R5150	
<b>COMPRESSOR</b>	Requires compressor and mounting kit		See 75 Series Compressor section on page 329

**ON-ROAD**

# R-6101 Rooftop

## Air Conditioner Unit

**COMMERCIAL TRUCKS •  
CONSTRUCTION • AGRICULTURE**

Our engineers set out to create a sleek, low profile housing that would look right at home on today's truck and heavy-equipment cabs. The injection-molded housing has pockets to hold the receiver drier, blower assembly, and evaporator core, so they're simpler to replace. A 12-inch Spal fan, dual-scroll/dual-inlet Spal blower, rifled-tube evaporator and a parallel flow condenser contribute to the improved performance.



*The R-6101 is a lightweight, high-capacity unit with a styled low profile.*



*Low profile ceiling plenum blends with any interior.*

**HEATER-A/C**

**R-6100 SPECIFICATIONS**

<b>BTUs</b>	Cooling – 21,300 BTU @ 100°F (6.2kw @ 37.8°C) air temperature rise
<b>AIR FLOW</b>	299 CFM (508 m3/h)
<b>WEIGHT</b>	40lbs (18.1kg)
<b>CURRENT</b>	25.7 amps @ 13.6 VDC
<b>DRAW</b>	12.9 amps @ 27.2 VDC
<b>CONTROLS</b>	Three speed blower

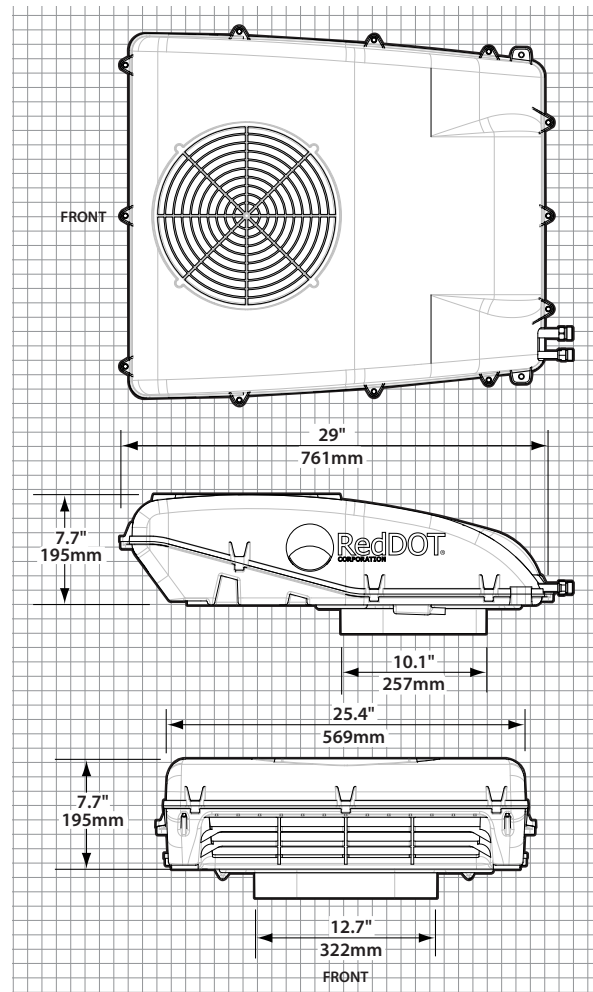
**R-6100 SYSTEM ORDERING GUIDE**

	<b>R-134a</b>	<b>NOTES</b>
<b>UNITS</b>	R-6101-0P R-6101-0-24P	12 VDC 24 VDC
<b>CONDENSER</b>	Contained in R-6100 unit	
<b>INSTALLATION KIT</b>	78R1505 78R1077	Refrigerant hose and fittings, etc. * Rooftop condenser **
<b>OPTIONS</b>	Universal Roof Mount Kit Replacement Recirc. Filter Replacement Receiver Drier Replacement Plenum	RD-2-1302-0P *** 78R5300 74R2546 RD-2-5974-0P
<b>COMPRESSOR</b>	Requires compressor and mounting kit 75 Series Compressor section on page 329	

\* ATCO version

\*\* EZ Clip version

\*\*\* Relocates unit mounting bolts to pick up integral roof bracing



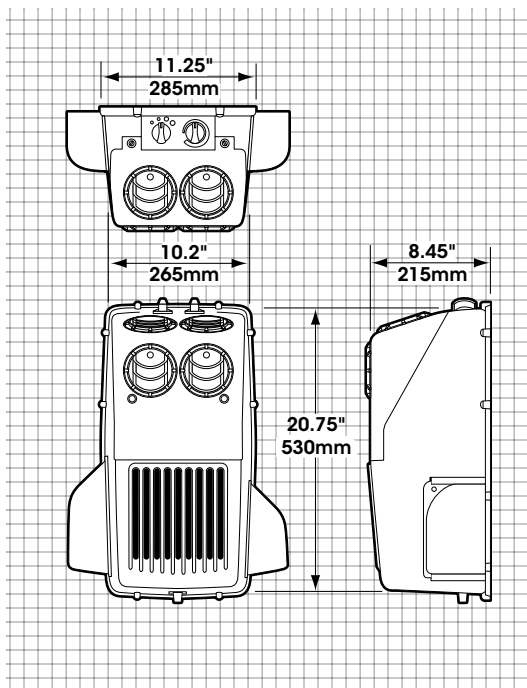
**ON/OFF-ROAD**

# R-6840 Backwall

## Air Conditioner Unit

**VANS • COMMERCIAL TRUCKS • INDUSTRIAL • CONSTRUCTION • AGRICULTURE**

Our R-6840 backwall air conditioner uses Red Dot's advanced coil and blower technology to produce the highest capacity possible from a compact wall-mounted unit. The resin housing is tough and good-looking—perfect for cabs where performance and fit and finish are important. Multidirectional diffusers send air where you need it. Floor support kit available.



*R-6840 shown with optional floor support kit, plumbing covers and filter*

HEATER-A/C

### R-6840 SPECIFICATIONS

<b>BTUs</b>	Cooling – 22,300 BTU/Hr with 36°F (6.5 kW with 2.2°C) refrigerant temperature and 80°F (26.7°C) wet bulb entering air
<b>AIR FLOW</b>	325 CFM (552 m <sup>3</sup> /h)
<b>WEIGHT</b>	16 lbs. (7.3 kg)
<b>CURRENT</b>	18.6 amps @ 13.6 VDC (includes 4 amps for A/C clutch);
<b>DRAW</b>	9.5 amps @ 27.2 VDC (including 2 amps for A/C clutch)
<b>CONTROLS</b>	High-low motor speed, four adjustable louvers, adjustable thermostat

### R-6840 SYSTEM ORDERING GUIDE

	R-134a	NOTES
<b>UNITS</b>	R-6840-0P R-6840-0-24P	12 VDC – Variable Thermostat 24 VDC – Variable Thermostat
<b>CONDENSER</b>	R-6160 - Roof Mount 77R0650 - Radiator Mount	See Units Condensers section See page 448
<b>INSTALLATION KIT</b>	78R1070 78R1077 78R1027 78R1025	Rooftop condenser ATCO version Rooftop condenser EZ Clip version Front mount condenser EZ Clip version Front mount condenser ATCO version
<b>OPTIONS</b>	Floor Support Kit Plumbing Covers (left and right) Recirc Filter Remote Control Panel Kit	RD-2-3673-0P RD-2-3515-0P RD-2-3683-0P RD-2-3674-0P
<b>COMPRESSOR</b>	Requires compressor and mounting kit	See 75 Series Compressor section on page 329

**ON/OFF-ROAD**

# R-7830 Backwall

## Air Conditioner Unit

**VANS • COMMERCIAL TRUCKS • INDUSTRIAL • CONSTRUCTION • AGRICULTURE**

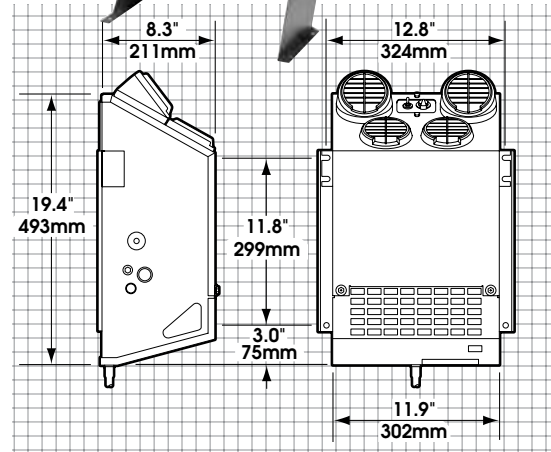
The R-7830 easily fits between the seats to mount to a bulkhead or back wall of a day cab, or can be front-dash mounted where a flat space permits. The welded steel housing provides protection yet allows easy access to components. Multidirectional diffusers send air where you need it. Floor support kit available.



HEATER-A/C

**R-7830 SPECIFICATIONS**

<b>BTUs</b>	Cooling – 17,180 BTU/Hr with 36°F (5 kW with 2.2°C) refrigerant temperature and 80°F (26.7°C) wet bulb entering air
<b>AIR FLOW</b>	260 CFM (442 m <sup>3</sup> /h)
<b>WEIGHT</b>	25 lbs. (11 kg)
<b>CURRENT</b>	18 amps @ 13.6 VDC (includes 4 amps for A/C clutch);
<b>DRAW</b>	9 amps @ 27.2 VDC (including 2 amps for A/C clutch)
<b>CONTROLS</b>	High-low motor speed, four adjustable louvers, adjustable thermostat



**R-7830 SYSTEM ORDERING GUIDE**

	<b>R-134a</b>	<b>NOTES</b>	
<b>UNITS</b>	R-7830-0P R-7830-0-24P	12 VDC – Variable Thermostat 24 VDC – Variable Thermostat	
<b>CONDENSER</b>	R-6160-0P - Roof Mount R-6160-0-24P - Roof Mount 77R0650 - Radiator Mount	12 VDC – See page 58 24 VDC – See page 58 See page 448	
<b>INSTALLATION KIT</b>	78R1070 78R1077 78R1027 78R1025	Rooftop condenser Rooftop condenser Front mount condenser Front mount condenser	ATCO version EZ Clip version EZ Clip version ATCO version
<b>OPTIONS</b>	Floor Support Kit Recirc Filter Kit	RD-2-1398-0P 78R5390	
<b>COMPRESSOR</b>	Requires compressor and mounting kit		See 75 Series Compressor section on page 329



**ON/OFF-ROAD**

# R-7833 Backwall

## Air Conditioner Unit

**OFF-ROAD • CONSTRUCTION • INDUSTRIAL**

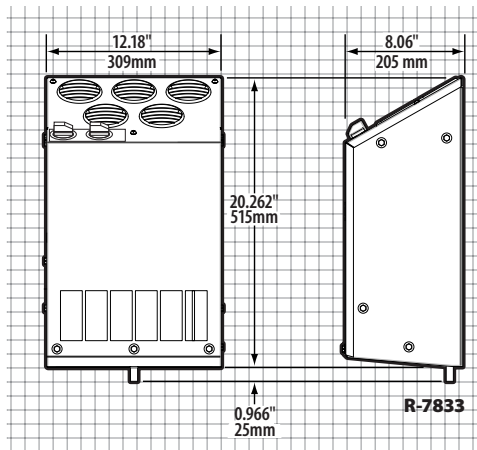
Just 12.18 inches wide, the R-7833 fits between the seats in cabs where mounting options are limited. The five louvers adjust so you can direct airflow where you need it, and the heavy-gauge welded-steel construction is ideal for severe-service environments. Optional mounting brackets allow up to 4 inches of height travel.

HEATER-A/C



**R-7833 SPECIFICATIONS**

<b>BTUs</b>	Cooling – 21,000 BTU/Hr
<b>AIR FLOW</b>	293 CFM (498 m <sup>3</sup> /h)
<b>WEIGHT</b>	27 lbs. (12kg)
<b>CURRENT</b>	15.5 amps at 13.5 VDC
<b>DRAW</b>	7.8 amps at 27 VDC



**R-7833 SYSTEM ORDERING GUIDE**

	<b>R-134a</b>	<b>NOTES</b>	
<b>UNITS</b>	R-7833-0P R-7833-0-24P	12 VDC 24 VDC	
<b>CONDENSER</b>	R-6160-0P - Roof Mount R-6160-0-24P - Roof Mount 77R0650 - Radiator Mount	12 VDC – See page 58 24 VDC – See page 58 See page 448	
<b>INSTALLATION KIT</b>	78R1070 78R1077 78R1027 78R1025	Rooftop condenser Rooftop condenser Front mount condenser Front mount condenser	ATCO version EZ Clip version EZ Clip version ATCO version
<b>OPTIONS</b>	Mounting Kit	RD-5-14175-0P	
<b>COMPRESSOR</b>	Requires compressor and mounting kit		See 75 Series Compressor section on page 329

**INTERNATIONAL**

# R-8230 Underdash

## Heater/Air Conditioner Unit

NAVISTAR INTERNATIONAL S, 4000, 7000, and 8000 SERIES TRUCKS, 1983-1994

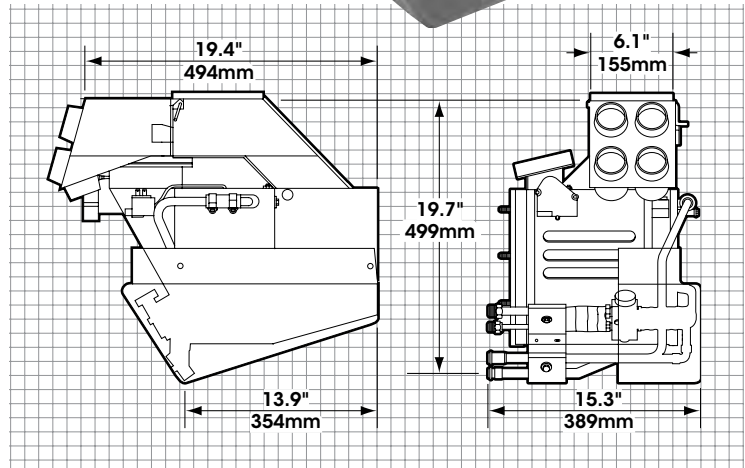
The R-8230 exceeds the performance of the original system and has styling to match the factory dash. Includes the "Max A/C" and "Defrost Interlock" features not offered from the factory. Mounts directly to the firewall and mates to existing inlet and outlet ducting.



HEATER-A/C

**R-8230 SPECIFICATIONS**

<b>BTUs</b>	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 temperature and 80°F (26.7°C) wet bulb entering air
<b>AIR FLOW</b>	265 CFM (450 m³/h)
<b>WEIGHT</b>	48 lbs. (22 kg)
<b>MOTOR</b>	Permanent magnet
<b>CURRENT DRAW</b>	19.5 amps at 13.6 VDC (includes 4 amps for A/C clutch)
<b>MODEL</b>	R-8230-0
<b>NOTE</b>	BTU's and air flow in installed conditions. Not for viscous fan applications.



**R-8230 SYSTEM ORDERING GUIDE**

Heater A/C Kit	Vehicle	Engine	Steering	Brakes	Compressor	Compressor Mount Kit
R-8230-0P for Vehicles 1983-1994	Series 4600 Through 8100 "S" Series 1600 Through 2600	V/8 International 6.9 Liter, & 7.3 Liter	Standard/Power		75R8612 (134A)	75R9530
		6 Cylinder IHC DT466, DTA466, DT360 or DTA360	Standard/Power	Air	75R8612 (134A)	75R9980
		6 Cylinder IHC DT466, DTA466	Standard/Power	Hydraulic	75R8612 (134A)	75R9980
		6 Cylinder IHC DT360, DTA 360	Standard/Power	Hydraulic	75R8612 (134A)	75R9980
		Cummins 6 Cyl L-10 "S" Series	Power	Air	75R8612 (134A)	75R9540
		1994-1997 DT408/DT466 (will not work on DT466E)			75R8612 (134A)	75R9985

**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

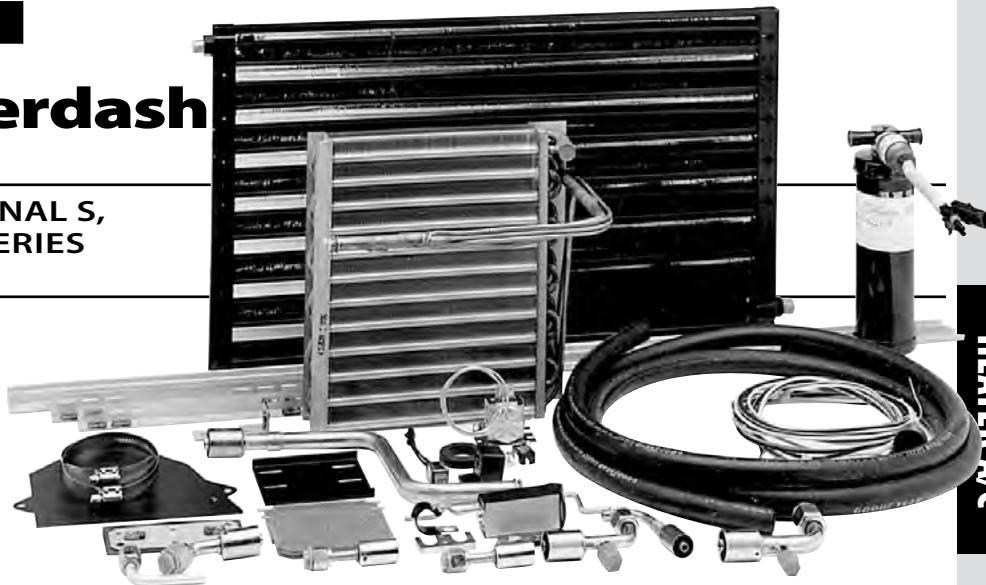
**INTERNATIONAL**

# R-8235 Underdash

## Drop-In Evaporator Kit

**NAVISTAR INTERNATIONAL S, 4000, 7000, and 8000 SERIES TRUCKS, 1995-2002**

The R-8235 drop-in evaporator kit integrates with the OEM housing and blower motor assembly and meets all factory specifications. R-134a compatible.



**R-8235 SYSTEM ORDERING GUIDE**

Heater A/C Kit	Engine	Steering	Brakes	Compressor	Compressor Mount Kit No.	
R-8235-OP or Vehicles	Series 4600 through 8100 "S" Series 1600 through 2600 1995 to 2002	V8 International 6.9 Liter, & 7.3 Liter	Standard/Power		75R8612 (134A)	75R9530
		6 Cylinder IHC DT466, DTA466, DT360 or DTA360	Standard/Power	Air	75R8612 (134A)	75R9980
		6 Cylinder IHC DT466, DTA466	Standard/Power	Hydraulic	75R8612 (134A)	75R9980
		6 Cylinder IHC DT360, DTA 360	Standard/Power	Hydraulic	75R8612 (134A)	75R9980
		Cummins 6 Cylinder L-10 "S" Series	Power	Air	75R8612 (134A)	75R9540
	1995-1997 DT408/DT466 (will not work on DT466E)			75R8612 (134A)	75R9985	

**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 and 75R5611 or
- R134A: 75R5688 and 75R5681

OFF-ROAD

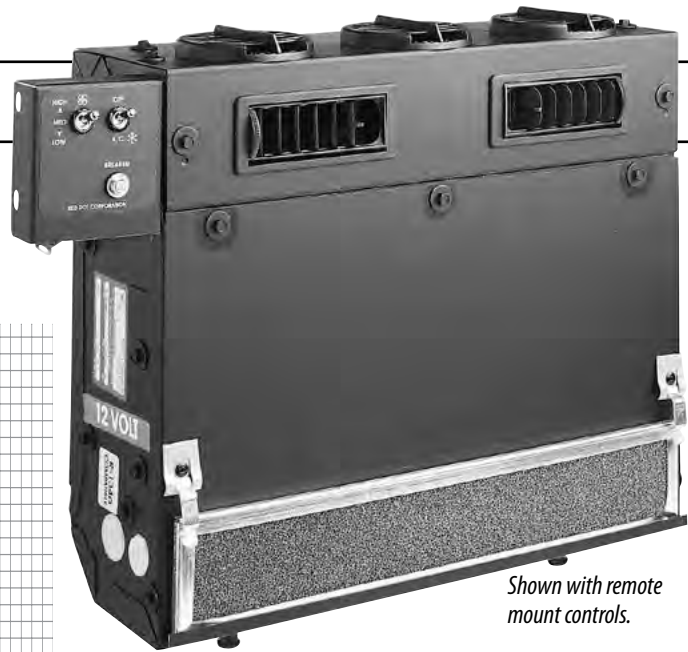
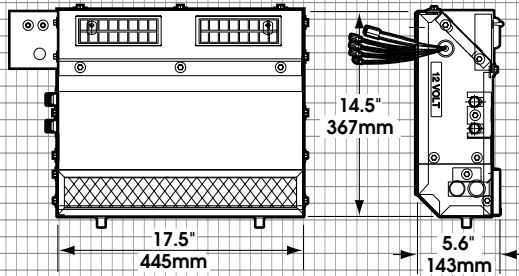
# R-8500 Backwall

*Air Conditioner with Heat Option*

**CONSTRUCTION • MINING • AGRICULTURE**

Just 5.6 inches deep, the R-8500 packs high performance and reliability into a slim profile. The air plenum can be changed to divert air out the top or the front of the unit depending the application. In addition, the controls can be remote-mounted. Models include A/C only or heater and A/C combination.

HEATER-A/C



*Shown with remote mount controls.*

**R-8500 SPECIFICATIONS**

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

**R-8500 SYSTEM ORDERING GUIDE**

		R-134a	NOTES
<b>UNITS</b>	R-8500-2P R-8500-2-24P R-8500-3P R-8500-3-24P	12 VDC – Heater - A/C 24 VDC – Heater - A/C 12 VDC – A/C Only 24 VDC – A/C Only	
<b>CONDENSER</b>	R-9720-12P R-9720-12-24P 77R0650	Remote Mount Remote Mount Radiator Mount	12 VDC – See page 441 24 VDC – See page 441 See page 448
<b>GENERAL PURPOSE INSTALLATION KIT</b>	78R1705 78R1070 78R1077 78R1027 78R1025 78R0100	Remote Mount Rooftop condenser Rooftop condenser Front mount condenser Front mount condenser Heater Hose	ATCO version ATCO version EZ Clip version EZ Clip version ATCO version 5/8" diameter, 50'
<b>OPTIONS</b>	Replacement Recirc Filter Plenum Assembly Universal Duct Kit	78R5330M RD-3-6060-0P 78R2100	
<b>COMPRESSOR</b>	Requires compressor and mounting kit		See 75 Series Compressor section on page 329
	Water Valve for Heater/AC is supplied by customer		

**OFF-ROAD**

# R-8545 Backwall

## Air Conditioner with Heat Option

### CONSTRUCTION • MINING • AGRICULTURE

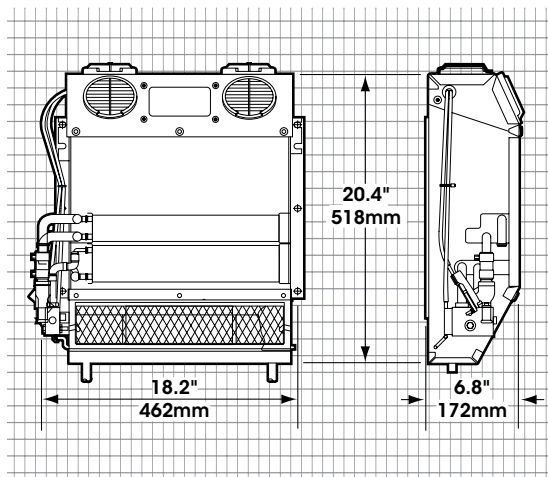
Compact and powerful, the R-8545 produces the highest output of any off-road unit its size. Its performance and durability make the R-8545 the ideal choice for off-highway equipment cabs where space is a premium and reliability is essential. Engineered to filter in-cab air as well as incoming outside air when pressurization is required. Models include A/C only or heater and A/C combination.

HEATER-A/C



#### R-8545 SPECIFICATIONS

<b>BTUs</b>	Heating – 31,460 BTU/Hr @ 100°F (8.4 kW @ 37.8°C) air temperature rise Cooling – 19,800 BTU/Hr with 36°F (5.3 kW with 2.2°C) refrigerant temperature and 80°F (26.7°C) wet bulb entering air
<b>AIR FLOW</b>	294 CFM (450 m <sup>3</sup> /h)
<b>WEIGHT</b>	Heater & A/C – 39 lbs. (18 kg) A/C Only – 34 lbs. (15 kg)
<b>MOTOR</b>	Totally sealed, 12 or 24 VDC permanent magnet type with long life brushes, and heavy duty pre-lubricated sealed ball bearings
<b>CURRENT DRAW</b>	16.1 amps @ 13.6 VDC (includes 4 amps for A/C clutch), 8 amps @ 27.2 VDC (includes 2 amps for A/C clutch)
<b>CONTROLS</b>	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

		R-134a	NOTES
<b>UNITS</b>	R-8545-17P R-8545-17-24P R-8545-16P R-8545-16-24P	12 VDC – A/C Only 24 VDC – A/C Only 12 VDC – Heater-A/C 24 VDC – Heater-A/C	
<b>CONDENSER</b>	R-9720-12P R-9720-12-24P 77R0650	12V, Remote Mount 4V, Remote Mount Radiator Mount	See page 441 See page 441 See page 448
<b>GENERAL PURPOSE INSTALLATION KIT</b>	78R1705 78R1070 78R1077 78R1027 78R1025 78R0100	Remote Mount Rooftop condenser Rooftop condenser Front mount condenser Front mount condenser Heater Hose	ATCO version ATCO version EZ Clip version EZ Clip version ATCO version 5/8" diameter, 50'
<b>OPTIONS</b>	3" Air Outlet Adapter for Pressurization Remote Filters Pressurizers Universal Duct Kit Plenum	RD-3-5448-0P See Filters & Pressurizers section See Filters & Pressurizers section 78R2100 RD-3-15122-0P	
<b>COMPRESSOR</b>	Requires compressor and mounting kit		See 75 Series Compressor section on page 329