



CLIMATE SOLUTIONS THAT KEEP YOU
ON THE JOB

A/C SYSTEMS FOR REFUSE TRUCKS

COMFORT | RELIABILITY | PRODUCTIVITY



● COOLER CABS ● HAPPIER DRIVERS ● INCREASED PRODUCTIVITY ● BUILT FOR DEMANDING ROUTES

REFUSE SYSTEM - OPTION A

R-2000 + R-4500

Used in place of the factory condenser and ties into the truck's factory A/C.

REFUSE SYSTEM - OPTION B

R-6101 Rooftop

Condenser, evaporator and blowers in one low-profile, all-in-one rooftop unit.

CONDENSER UPGRADE

R-6160 Condenser

Add rooftop condensing capacity to the truck's existing A/C condenser.

— HEADLINER EVAPORATOR · O.E.M. APPROVED

R-2000

A compact, low-profile design that mounts out of the way in virtually any cab and provides a substitute for the dome light — ice-cold air blowing down from above.



17,000 BTU
5 kW

235 CFM
400 m³/h

24 LBS
11 kg

COOLING 17,000 BTU/hr (5 kW) @ 36°F (2.2°C) refrigerant temp. and 80°F (26.7°C) wet bulb entering air

AIR FLOW 235 CFM (400 m³/h)

WEIGHT 24 lbs (11 kg)

CURRENT DRAW 18.5 A @ 13.6 VDC
Includes A/C clutch draw

CONTROLS Three-speed fan, adjustable thermostat

DIMENSIONS 23.3" × 18.0" × 3.6" / 7.0" high
592 × 457 mm · 95 / 178 mm

— POWER CONDENSER

R-4500

Our largest "power" condenser with the capacity to drive the R-2000 and tie into the factory A/C through stop-and-go routes — used in place of the factory condenser.



45,200 BTU
13.2 kW

2,011 CFM
3,517 m³/h

2×16" FANS
Dual fan

CAPACITY 45,200 BTU/hr (13.2 kW) @ 135°F (57.2°C) condensing temp. and 110°F (43.3°C) entering air

AIR FLOW 2,011 CFM (3,517 m³/h)

MOTORS Two 16-inch diameter fans

WEIGHT 85 lbs (38.6 kg)

CURRENT DRAW 30.3 A @ 13.6 VDC

DIMENSIONS 42.5" L × 22.1" W × 9.5" H
1080 × 560 × 240 mm

— SYSTEM ORDERING GUIDE

Option A — R-2000 + R-4500

COMPONENT	12 VDC PART NO.	NOTES
EVAPORATOR	R-2000-11P	Compact headliner
CONDENSER	R-4500-8P	Used in place of the factory condenser · ties into the factory A/C
INSTALLATION KIT	78R1070	Rooftop condenser · ATCO version
	78R1077	Rooftop condenser · EZ Clip version
OPTIONS	RD-4-5341-0P	R-4500 low-profile conversion kit
COMPRESSOR	See Red Dot "All-Makes" catalog	Compressor and compressor mount kit required



— OPTION B · ALL-IN-ONE ROOFTOP

R-6101

REPLACES R-6100

The R-6101 is the all-new design of Red Dot's R-6100 rooftop air conditioner — condenser, evaporator and blowers in one self-contained unit. Its injection-molded housing has pockets for 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 parallel-flow condenser deliver the extra performance.

28%

WEIGHT REDUCTION

30%

PERFORMANCE INCREASE

Compared to the previous R-6100 design.

21,300

BTU

@ 100°F air temp. rise

299

CFM

508 m³/h

40

LBS

18.1 kg

3

SPEED

Blower control

12

VDC

Electrical system

— SPECIFICATIONS

COOLING	21,300 BTU/hr (6.2 kW) @ 100°F (37.8°C) air temperature rise
AIR FLOW	299 CFM (508 m ³ /h)
WEIGHT	40 lbs (18.1 kg)
CURRENT DRAW	25.7 A @ 13.6 VDC
CONTROLS	Three-speed blower
VOLTAGE	12 VDC

— SYSTEM ORDERING GUIDE

COMPONENT	12 VDC PART NO.	NOTES
UNIT	R-6101-0P	Replaces R-6100-4P
CONDENSER	Built into the R-6101	Condenser, evaporator and blowers in one unit
INSTALLATION KIT	78R1505	Refrigerant hose, fittings, etc. · ATCO version
	78R1077	EZ Clip version
OPTIONS	RD-2-1302-0P	Universal roof mount kit — relocates mounting bolts to pick up integral roof bracing
COMPRESSOR	See Red Dot "All-Makes" catalog	Compressor and compressor mount kit required



IN-CAB PLENUM

**Low profile.
High-velocity air.**

- Barely 1½" into the cab blends into the headliner
- 360° airflow through large diffusers
- Built-in filtration cab air filter in the plenum

— FACTORY CONDENSER UPGRADE

R-6160

Give the A/C you already have more muscle.

Factory condensers on refuse trucks live a hard life — packed behind the grille with the radiator, soaking in engine heat and road debris, and starved of airflow at idle and on slow, stop-and-go routes. The R-6160 upgrades the truck's existing condenser by adding 24,000 BTU/hr of rooftop condensing capacity up in clean, cooler air, so the A/C system you already own can keep up on the hottest days.

UPGRADE



More capacity

Adds 24,000 BTU/hr of condensing capacity to the existing system.

Better at idle

Its own electric fan keeps air moving across the coil at low speed and idle.

Up and out of the way

Roof mounting keeps it clear of grille heat, dust and debris.

Low, light profile

23 lbs and a styled low profile that works with air shields and tight roofs.

24,000 BTU

7 kW condensing capacity

23 LBS

10.5 kg

12 AMPS

@ 13.6 VDC

7.4" HIGH

188 mm profile

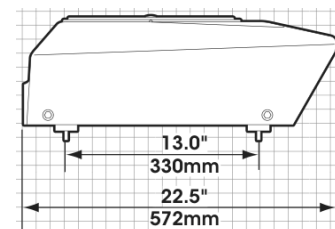
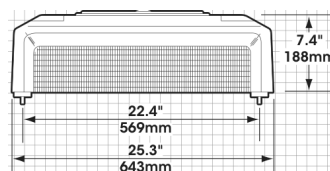
12 VDC

Electrical system

— SPECIFICATIONS

CAPACITY	24,000 BTU/hr (7 kW)
COIL	Aluminum fin, copper tube — effective, lightweight and rugged
MOTOR / FAN	Long-life permanent-magnet motor, 10" aluminum fan
WEIGHT	23 lbs (10.5 kg)
CURRENT DRAW	12 A @ 13.6 VDC Includes A/C clutch draw
DIMENSIONS	25.3" L × 22.5" W × 7.4" H 643 × 572 × 188 mm

— DIMENSIONS



— ORDERING GUIDE

COMPONENT	12 VDC PART NO.	NOTES
CONDENSER	R-6160-0P	Rooftop condenser
OPTIONS	RD-5-4722-1P	Receiver drier kit
	RD-5-8476-0P	Roof bracing
	RD-5-4743-0P	Winter cover
	RD-4-4529-1P	Bug screen

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