

— HYDRONIC AUXILIARY HEATERS

AUXILIARY HEATERS

HEAT OUTPUT
14K–49K
BTU/HR

Your engine already makes the heat — Red Dot puts it where your crew needs it. Our auxiliary heaters **circulate hot engine coolant through a rugged heater core** and push warm air into cabs, sleepers, buses, vans and work compartments. **Nine models**, from compact under-seat units to crew-cab powerhouses.



9 MODELS

Fan, blower & box designs

129–480 CFM

Airflow across the line

12 & 24 VDC

24-volt on select models

Any ANGLE

Floor, wall, seat or overhead

TRUCKS & SLEEPERS

RV & VAN

BUS

CRASH • FIRE • RESCUE

CONSTRUCTION & MINING

AG & INDUSTRIAL

FAN & BLOWER AUXILIARY HEATERS

Small footprint. Serious heat.

The Compact Series fits where other heaters can't — under seats and dashes, on floors, walls or overhead, and in truck sleepers. **Fan models** (R-273, R-254, R-255) deliver simple, maintenance-free heat; **blower models** (R-290, R-295, R-297) add three-speed, high-velocity air that can be ducted to a windshield or sleeper.

FAN HEATERS

COMPACT



12 / 24 V

R-273

RV · TRUCKS

The smallest heater in the line. An optional snap-in outlet directs air exactly where you need it.

14,000 BTU
@ 100°F rise

129 CFM
220 m³/h

3 LBS
1.35 kg

CURRENT 4.6 A @ 13.6 V · 2.3 A @ 27.2 V

MOTOR Three-speed

SIZE 10.3" W × 7.4" H × 4.5" D

PART NO. R-273-0P 12 VDC
R-273-0-24P 24 VDC

SINGLE FAN



12 / 24 V

R-254

RV · TRUCKS

Round-tube-and-fin core mounts in any position with multi-position leg brackets or a flush-mount frame. Two-speed, maintenance-free.

16,000 BTU
@ 150°F rise

150 CFM
255 m³/h

7 LBS
3 kg

CURRENT 3.3 A @ 13.6 V · 1.7 A @ 27.2 V

SIZE 9.5" L × 7.25" D × 6.45" H

PART NO. R-254-0P 12 V · 5/8" rear
R-254-0-24P 24 V · 5/8" rear
R-254-1P 12 V · 3/4" rear
R-254-4P 12 V · 5/8" floor

DOUBLE FAN



12 / 24 V

R-255

RV · TRUCKS

Twice the fans on the same slim profile. Simple plumbing and high output for larger cabs, campers and work vehicles.

30,000 BTU
@ 100°F rise

280 CFM
476 m³/h

12 LBS
5.5 kg

CURRENT 6.6 A @ 13.6 V · 3.3 A @ 27.2 V

SIZE 16.0" L × 7.25" D × 6.45" H

PART NO. R-255-10P 12 V · 5/8" rear
R-255-10-24P 24 V · 5/8" rear
R-255-12P 12 V · 5/8" floor

BLOWER HEATERS · THREE-SPEED

SINGLE BLOWER



12 / 24 V

R-290

HIGH VELOCITY

Adds a three-speed blower to Red Dot's most compact heater for maximum air velocity. Optional 3/4" defrost hose adapter.

20,000 BTU
@ 150°F rise

220 CFM
373 m³/h

7 LBS
3 kg

CURRENT 4.3 A @ 13.6 V · 2.7 A @ 27.2 V (high)

PART NO. R-290-0P 12 V · 5/8" rear
R-290-0-24P 24 V · 5/8" rear
R-290-4P 12 V · 5/8" floor
R-290-4-24P 24 V · 5/8" floor

DOUBLE BLOWER



12 / 24 V

R-295

MAX AIRFLOW

Two three-speed blower assemblies on one compact heater for powerful airflow. Accepts two defrost hose adapters.

35,000 BTU
@ 180°F rise

430 CFM
730 m³/h

11 LBS
5 kg

CURRENT 16 A @ 13.6 V · 7 A @ 27.2 V (high)

PART NO. R-295-0P 12 V · 5/8" rear
R-295-0-24P 24 V · 5/8" rear
R-295-4P 12 V · 5/8" floor

DOUBLE BLOWER



12 V

R-297

TRUCK SLEEPERS

A powerful, floor-mounted double-blower heater for sleeper cabs used in demanding environments.

28,000 BTU
Heating

300 CFM
510 m³/h

9.8 LBS
4.4 kg

CURRENT 12 A @ 13.5 V · 6 A @ 27 V

SIZE 16.0" L × 7.1" D × 6.3" H

PART NO. R-297-0P 12 VDC

CREW CAB, VAN, BUS & BOX HEATERS

Built for big cabs and bad weather.

HIGHEST OUTPUT



R-3500

Crew Cab Heater · Crash · Fire · Rescue

Designed with the performance to heat large cabs in extreme conditions. Its low profile and heavy-duty construction let it work in a wide range of applications.

49,000 BTU/HR

@ 180°F air temp. rise

480 CFM

816 m³/h

28 LBS

13 kg

CURRENT 15.9 A @ 13.6 VDC

SIZE 23.7" W × 11.0" D × 9.8" H

PART NO. R-3500-1P 12 VDC · heater only · gasket on front

PANCAKE FAN



12 VDC

R-3540

AUXILIARY HEATER · VAN · BUS · CFR

Designed for small spaces with big capacity for its size. The pancake fan runs quiet, and a resistor provides variable speed control. Mounts flat or horizontal.

22,970 BTU/HR

@ 180°F air temp. rise

194 CFM

330 m³/h

10 LBS

4.5 kg

CURRENT 4.8 A @ 13.6 VDC

SIZE 13.4" W × 5.4" H (incl. mounting flanges)

PART NO. R-3540-2P 12 VDC · heater only

BOX HEATER



12 VDC

R-6130

BOX HEATER · OFF-ROAD · BUS · INDUSTRIAL

Compact enough to mount in tight areas, with a rotatable blower and 4" outlet that make it easy to duct heat right where it's needed.

28,100 BTU/HR

@ 180°F air temp. rise

283 CFM

481 m³/h

4" DUCT

Rotatable outlet

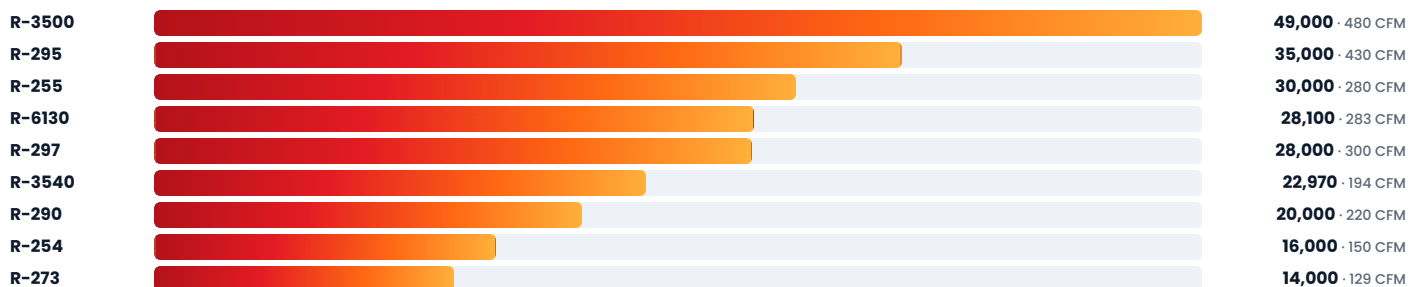
SIZE 9.75" W × 13.65" D × 13" H (incl. 4" legs)

MARKETS Bus · construction · mining · agriculture · industrial

PART NO. R-6130-1P 12 VDC · heater only

HEAT OUTPUT AT A GLANCE

Find the right heat for the space



BTU/hr shown at each model's published air-temperature rise (R-273, R-255: 100°F · R-254, R-290: 150°F · R-297: not stated · all others: 180°F). Actual output depends on coolant temperature, flow and fan speed.

SPECIFICATIONS

MODEL	TYPE	BTU/HR (AIR TEMP. RISE)	CFM	WEIGHT	AMPS @ 13.6 V	VOLTAGE	FITTINGS / EXIT
R-273	Compact, 3-speed	14,000 (100°F)	129	3 lb	4.6	12 / 24	—
R-254	Single fan, 2-speed	16,000 (150°F)	150	7 lb	3.3	12 / 24	5/8" or 3/4" rear; 5/8" floor
R-255	Double fan, 2-speed	30,000 (100°F)	280	12 lb	6.6	12 / 24	5/8" rear or floor
R-290	Single blower, 3-speed	20,000 (150°F)	220	7 lb	4.3 (high)	12 / 24	5/8" rear or floor
R-295	Double blower, 3-speed	35,000 (180°F)	430	11 lb	16 (high)	12 / 24	5/8" rear or floor
R-297	Double blower, 3-speed	28,000	300	9.8 lb	12 (@ 13.5 V)	12	Floor mount, sleepers
R-3500	Crew cab heater	49,000 (180°F)	480	28 lb	15.9	12	Heater only
R-3540	Pancake fan, variable	22,970 (180°F)	194	10 lb	4.8	12	Heater only
R-6130	Box heater, ductable	28,100 (180°F)	283	—	—	12	4" rotatable outlet

OPTIONS & ACCESSORIES

PART NO.	DESCRIPTION	FITS
71R5819	Control panel — two-speed motor switch with manual water valve control	R-254, R-255, R-6130
71R5821	Control panel — three-speed motor switch with manual water valve control	R-290, R-295
71R0100	Toggle switch	R-254, R-255
71R1150 / 71R4050	Three-speed switch / knob	R-290, R-295
RD-1-0639-0P	3/4" defrost hose outlet adapter (R-295 uses two)	R-254, R-255, R-290, R-295
70R7110	5/8" to 3/4" hose adapter	R-254, R-255
RD-5-14071-0P	Louvers	R-273
RD-1-1654-0P	Installation kit	R-273

HOW IT WORKS

Engine heat, delivered.

1

Tap the coolant

Hoses connect the heater to the engine's cooling system — no separate burner or fuel line.

2

Heat the core

Hot coolant circulates through the heater core whenever the engine runs.

3

Move the air

The fan or blower pushes warm air into the cab; motor speed sets the heat output.

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