

DUO-THERM® PENGUIN ROOFTOP AIR CONDITIONER



Low profile, high power. The Duo-Therm Penguin Rooftop Air Conditioner delivers up to 15,000 BTUs of cooling – the highest power of any single RV rooftop unit. Its sleek, low profile gives more clearance through underpasses and toll booths – and more room inside for everyday living.

Cooling Power that Fits

Proven and reliable, Penguin air conditioners fit a wide range of RV applications and requirements. The air conditioners use electronic or analog relays in either ceiling-ducted systems or with an air distribution box to cool the interior.

Contoured Design

The shroud sits only 9-1/2 inches above the roofline, one of the lowest profiles available in a rooftop system. Contemporary contours conceal vent openings for a smooth, clean look.

Efficient Operation

A three-speed blower motor and washable return air filter produce a steady flow of cool, clean air. Some Penguin units allow use of the Duo-Therm Comfort Control Center, which can be mounted anywhere in the coach and operated by a remote sensor.

Penguin Air Conditioner Features

Applications

Motorhomes • Fifth wheels • Travel trailers

Engineered for Superior Performance

Low, 9-1/2 inch profile is one of the lowest profiles available and gives more clearance on top and higher ceiling heights inside.

Up to 15,000 BTUs of power make the Penguin the most powerful RV rooftop air conditioner available.

Concealed venting gives a sleek, stylish appearance.

Installs easily with an electronic or analog relay kit.

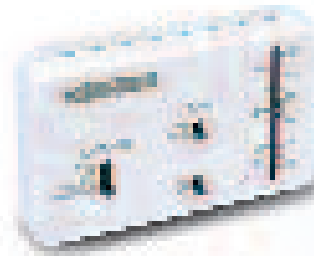
Quiet, three-speed blower distributes airflow efficiently.

Thermostat options include electronic and analog controls for total comfort and convenience.

Washable air return filter keeps air clean.

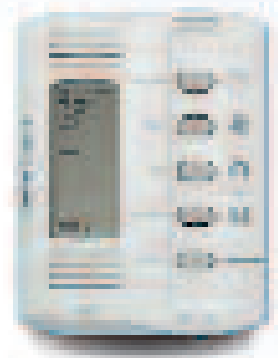
Accessories for Additional Comfort

Air distribution box effectively circulates air – with its recessed, easy-to-reach controls, full adjustable louvers, washable, reusable filter and exclusive three-speed blower.



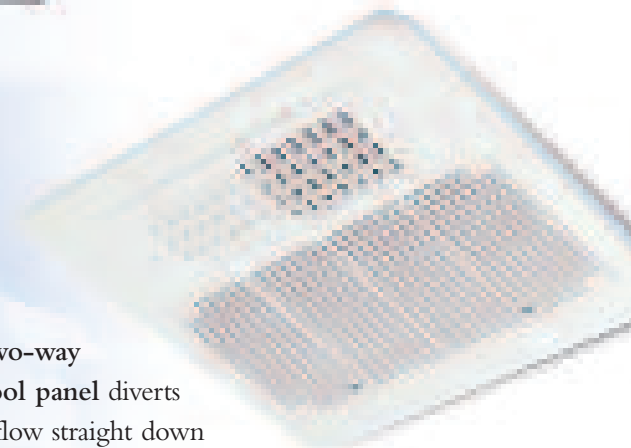
Wall-mounted analog thermostat controls the heating and cooling systems from one convenient location.

Comfort Control Center™ provides zoned climate control for as many as four areas within the coach – all from a digital control panel.



Optional heat strip provides 5,600 BTUs of heat to take away morning and evening chill. The strip is pre-wired in most Penguin models for quick, easy installation.

Deluxe two-way Quick Cool panel diverts ducted airflow straight down into a shower of refreshing air.



Penguin Model Selection Guide

Model Number	Application	BTU	Relay Kit
600312	Ducted or ADB	11,000	No
600315	Ducted or ADB	13,500	No
620415	Ducted or ADB	13,500	Analog
620425	Ducted or ADB	13,500	Analog
620426	Ducted only	15,000	Analog
620515	Ducted or ADB	13,500	Electronic
620525	Ducted or ADB	13,500	Electronic
620526	Ducted only	15,000	Electronic

All Penguin units are designed to fit the standard 14-inch-square roof vent opening.

Penguin Specifications

Features	Model Number							
	600312.321 620412.321	600312.421 620412.421	620425.321 600315.321 620415.321	620515.421 600315.421	620525.421 620515.321 620525.321	630515.421	630515.321	620426.321 620526.321
Nominal capacity, BTU/hr	11,000	11,000	13,500	13,500	13,500	13,500	13,500	15,000
Electrical rating	115V AC 60 Hz, 1 Ph							
Compressor-rated load amps	9.5	10.7	12.4	11.5	12.4	12.0	12.4	12.0
Fan motor-rated load amps	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.3
Compressor-locked rotor amps	53.0	50.0	50.0	50.0	60.0	50.0	60.0	64.0
Fan motor-locked rotor amps	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.5
SCFM, high-speed max./min.	335/250	335/250	335/250	335/250	335/250	335/250	335/250	380/250
Heater amps/watts @ 120V AC	12.7/1,530							
Refrigerant (R22) oz.	16.5	16.0	15.5	17.0	15.5	19.5	24.5	21.5
Minimum wire size	12 AWG copper up to 24 ft. For distances over 24 ft. consult the National Electrical Code							
AC circuit protection	(User Supplied) 20 amp time delay fuse or 20 HCAR circuit breaker							
DC circuit protection	(User Supplied) Installation must comply with all national, state, provincial and/or local electrical codes							
Installed weight, lbs.*	95	101	96	96	102	102	102	104
Minimum generator size**								
1 unit	2.5kW	2.5kW	3.5kW	3.5kW	3.5kW	3.5kW	3.5kW	3.5kW
2 units	4.0kW	4.0kW	5.0kW	5.0kW	5.0kW	5.0kW	5.0kW	5.0kW

* For distances over 24 ft. consult the National Electrical Code.

** Ducting not included. Installed weight will vary with ceiling package options. All weights are approximate.

*** Dometic Corporation gives GENERAL guidelines for generator requirements. These guidelines come from experiences people have had in actual applications. When sizing the generator, the total power usage must be considered. Also keep in mind generators lose power at high altitudes and from lack of maintenance.

Superior Warranty

Covered by Dometic's 3-Year Protection Plus warranty.

IMPORTANT: Refer to product manual for proper installation and operation.

All weights are approximate.

For more information,
visit our Web site.

www.DometicUSA.com



The Sign of Comfort