



Refined engineering for every bottle

Seamless integration

A seamless integration of discreet ducted cooling and refined aesthetics—this completed wine cellar quietly celebrates your collection, preserving each bottle with grace.

Effortless precision

The Panthaire Digital Thermostat seamlessly blends refined design with advanced climate control. It delivers precision temperature management and adaptive airflow for a consistently comfortable environment.



As powerful as you need

The Panthaire APEX Series comes in 3 variants offering you between 3353 BTU and 6346 BTU of cooling capacity. It's the ultimate solution to maintain the perfect temperature in your cellar for up to 2000 cu. ft.

Industry leading 2-years warranty

Each Panthaire unit is meticulously assembled and tested in our Canadian facility, reflecting our commitment to excellence. That's why our products come with a comprehensive 2-year warranty covering parts and labor.

Model	APEX3500	APEX5000	APEX7000
Cooling Capacity (BTU/h)	3353	4462	6346
Cellar Size (cu. ft.) with R20 insulation	Up to 900	Up to 1200	Up to 2000
Refrigerant	R290	R290	R290
Power Supply	115V/60Hz, 15A	115V/60Hz, 15A	115V/60Hz, 20A
Current Draw	7.5A	9.2A	12.8A
Dimensions (L x W x D)	28.4" x 12.2" x 12.2"	33.9" x 13.8" x 13.8"	40.2" x 15.8" x 15.8"
Weight	36 kg (79.4 lbs)	40 kg (88.2 lbs)	43.5 kg (95.9 lbs)
Duct Size (Supply)	8"	8"	8"
Duct Size (Return)	8"	8"	10"
Max Duct Length	25' per duct	25' per duct	25' per duct
Air Flow Speed 1 (CFM)	260	360	470
Air Flow Speed 2 (CFM)	290	420	530
Temperature Range*	50-70°F (10-25°C)	50-70°F (10-25°C)	50-70°F (10-25°C)
Drain Connection	3/8" ID	3/8" ID	3/8" ID
Warranty	2-year warranty covering parts and labor		

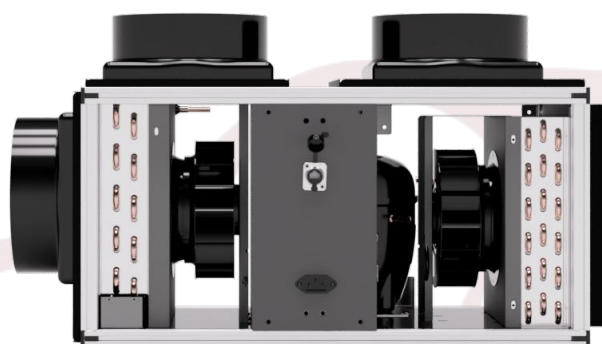
*Conditions: 10-21.1°C (50-70°F) cellar, 10-25°C (50-77°F) ambient

Technical Specifications

PANTHAIRE APEX SERIES



front view



back view (opened)

Key Features

A high-performance solution for all cellar sizes. Engineered in Canada and rigorously tested, the APEX series delivers consistent temperature control for spaces up to approximately 2000 cubic feet with robust insulation.

Its advanced digital interface ensures precise, quiet operation, while the discreet ducted design preserves your cellar's aesthetic.

Its design ensures seamless integration of discreet ducted cooling and refined aesthetics—this completed wine cellar quietly celebrates your collection, preserving each bottle with grace.

Parts Details

A - Condenser Air Intake (Optional, not included)

- Attach the Panthaire intake-duct kit if ducting*.
- Limit run to ≤ 25 ft of insulated duct; supply air must stay 10°C - 25°C (50°F - 77°F)
- Terminate with a louvered hood and insect screen; seal all joints.

Note: Do not duct the intake directly outdoors in climates below freezing or above 25°C (77°F). Extreme cold or heat will shut down the condenser. Always draw from a tempered, ventilated indoor space (*learn more in the user manual*).

B - Heat Exhaust (Optional, included)

- Vent the hot air outside, into a ventilated attic, or into a garage/utility room.
- Install a sealed gravity back-draft damper.

C - Cold-Air Supply (Insulated duct required)

- Route the cooled air into the cellar from a high outlet so it distributes evenly.
- Use insulated ducting and position the outlet opposite the return vent for balanced airflow.

D - Return Air

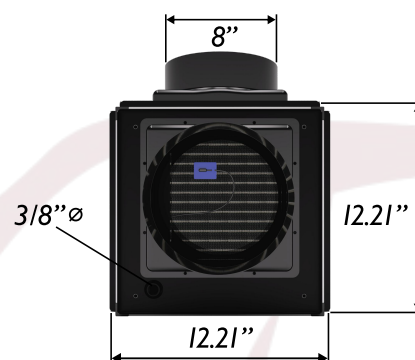
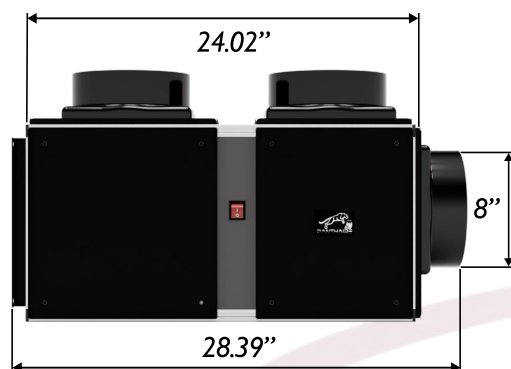
- Place low, opposite the supply; avoid doors and lighting heat sources.
- Use insulated ducting of similar length to the supply when possible.



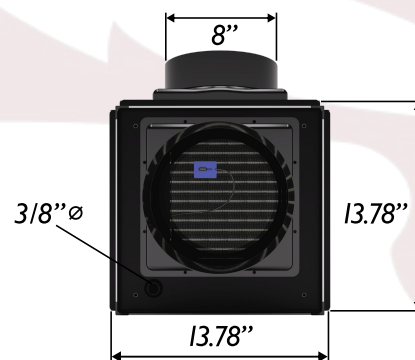
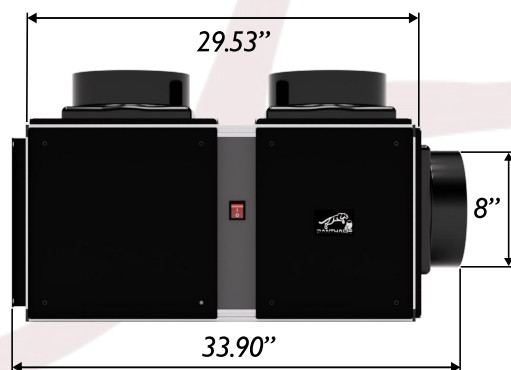
intake-duct kit

Dimensions

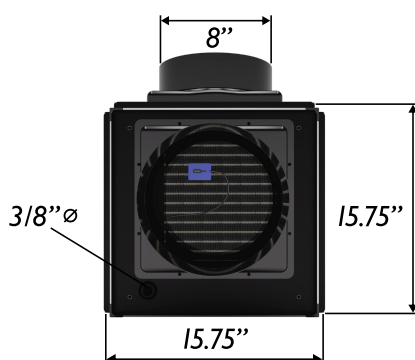
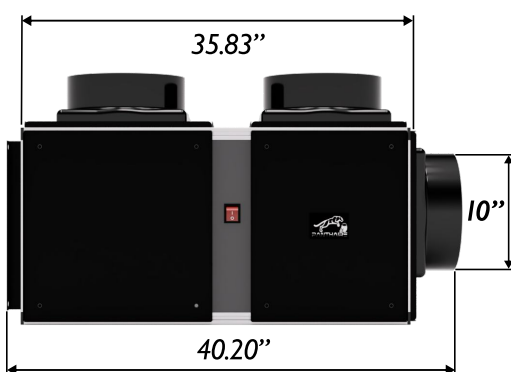
APEX 3500



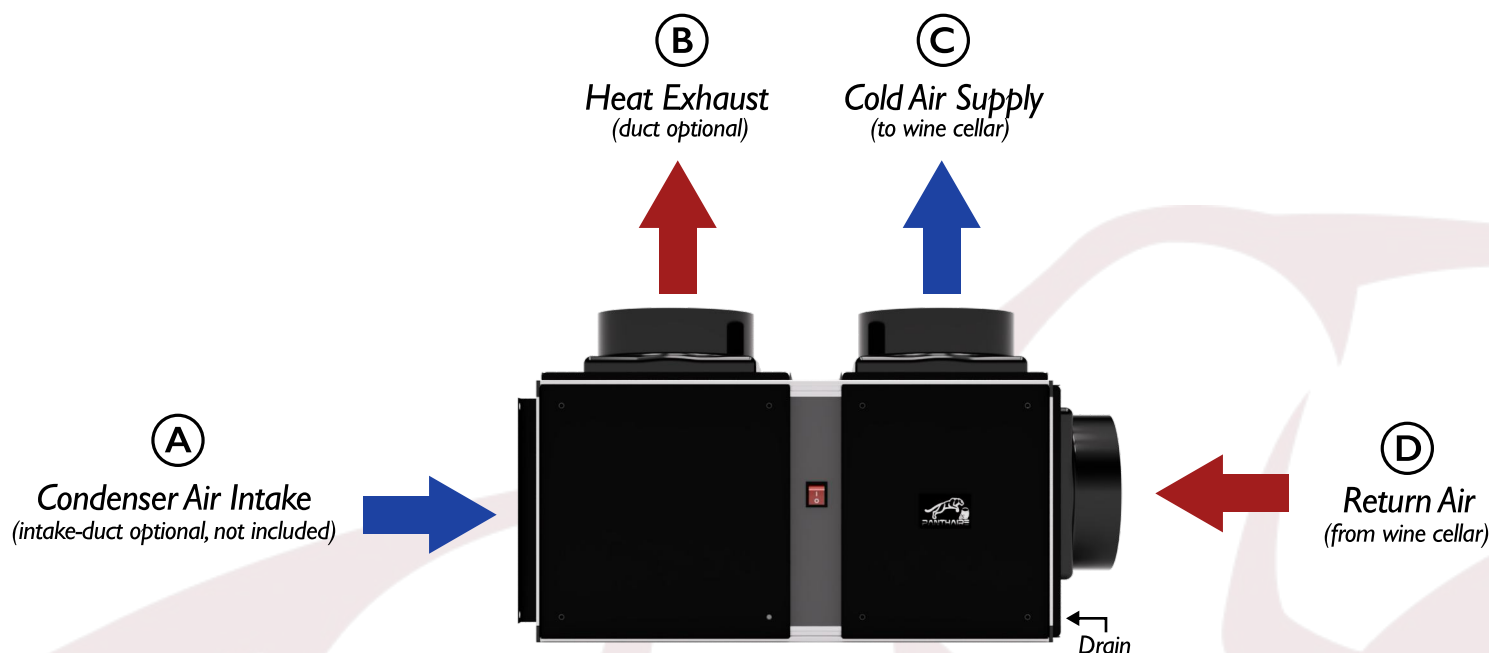
APEX 5000



APEX 7000



Air Flow Diagram



Label	Air Path	Duct	Use	Purpose
A	Condenser Air Intake	8"	Optional (intake-duct kit sold separately)	Feed cooler ambient air to condenser
B	Heat Exhaust	8"	Optional	Expel hot condenser air away
C	Cold-Air Supply	8"	Required	Deliver cool air to cellar
D	Return Air	APEX3500: 8"	Required	Bring cellar air back to evaporator
		APEX5000: 8"		
		APEX7000: 10"		

For mounting options, controller wiring, and detailed setup steps, refer to the Panthaire APEX Series User Manual.

Contact Information

Panthaire Cooling Solutions

3732 Workman Street

Montreal, QC, H4C 1N8, Canada

Phone: +1 (263) 339-1306

Email: info@panthaire.com

Website: <https://www.panthaire.com>