

Specifying Panthaire APEX

Lunch and learn for design teams

Overview

A one-hour session, on site or remote, for interior designers, architects, millwork, and design-build teams specifying wine cellars for residential and hospitality projects. The objective is a drawing set that keeps the unit out of the glass wall.

Session content

- Ducted unit in a conditioned room. Grilles only in the cellar.
- A glass door adds about 15%. A glass wall adds more. Size after the envelope is confirmed.
- Ambient at the unit: 50–77°F (10–25°C). Garages and attics do not qualify.
- Dedicated 115V circuit and a sloped condensate drain.
- Licensed HVAC installation. DIY installation voids the warranty.

What the team leaves with

- The specify-APEX one-pager for the general contractor.
- Cut sheets and dimensions for APEX 3500, 5000, and 7000.
- The CSI Division 23 specification paragraph.
- The Before You Build checklist.
- Access to Panthaire Pro: spec kit, project workspace, project quotes.

60-minute outline

- 10 min** Ducted architecture: where the unit sits, what the room shows.
- 15 min** Envelope and glass load: R-20, vapor barrier, the BTU calculator.
- 15 min** Placement, ambient range, ducts, drain, and electrical on the drawing set.
- 10 min** The specify-APEX sequence and the CSI Division 23 paragraph.
- 10 min** Questions on active projects.

Book a session

Email support@panthaire.com with the firm name, city, number of attendees, and two preferred dates. On site or remote.

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 I (CFM)	260	360	470
Temperature Range*	50–70°F	50–70°F	50–70°F
Drain Connection	5/8" ID	5/8" ID	5/8" ID
Warranty	2 years		

*Conditions: 50–70°F (10–21°C) cellar, 50–77°F (10–25°C) ambient at the unit.