BUYING GUIDE: 2.8-8.5 CU METERS / 220V

CellarPro Cooling Systems - 1800XT-220V Cooling Unit

Cooling Capacity (1)

Cellar Temperature		**13°C**		**15°C**	
1800XT-220V @ 50Hz BTUH		BTUH: 1253		BTUH: 1373	
1800XT-220V @ 60Hz BTUH		**BTUH: 1446**		**BTUH: 1558**	
Cellar Insulation - All Walls, Ceiling & Floor(1)		**R12**	**R19**	**R12**	**R19**
Cellar Size	**Ambient Temperature**	**Thermal Load BTUH**			
	24°C	1068	979	940	862
2.8 Cubic Meters	29°C	1180	1046	1038	920
	35°C	**1291**	1114	1136	980
	24°C	**1380**	1253	1214	1103
5.7 Cubic Meters	29°C	**X**	**1349**	1353	1187
	35°C	**X**	**1446**	**1495**	1272
	24°C	**X**	**X**	**1496**	1357
8.5 Cubic Meters	29°C	**X**	**X**	**X**	**1463**
	35°C	**X**	**X**	**X**	**1558**

Legend

The table is shaded to show which cooling units will work at 13°C and 15°C under various thermal loads. The thermal loads are derived from assumptions about the size of the cellar; the R-value in the **six** cellar surfaces (ie walls, floor and ceiling) and the ambient temperature outside the cellar, as follows:

- The light-shaded numbers represent thermal loads that are within the capacity of both CellarPro 1800XT-220V at both 50Hz and 60Hz
- The dark-shaded numbers represent thermal loads that are within the capacity of CellarPro 1800XT-220V at 60Hz, but not at 50Hz
- "X" indicates conditions that are beyond the capacity of our 1800XT-220V cooling unit

Summary

The following guidelines are designed to assist you in selecting the appropriate CellarPro wine cooling unit for your wine cellar:

- **CellarPro 1800XT-220V @ 50Hz** is appropriate for wine cellars up to 5.7 cubic meters in cool environments with proper insulation
- **CellarPro 1800XT-220V @ 60Hz** is appropriate for wine cellars up to 8.5 cubic meters and warm temperature environments (up to 35°C) with proper insulation

Analysis

We provide the estimated thermal loads for various-size wine cellars at 13°C and 15°C and across a range of ambient temperatures and with different R-Values to help you select the appropriate CellarPro wine cooling unit for your cellar.

Please note: The thermal loads above are calculated based on the R-Values shown for all walls and ceiling, and a concrete floor. Lower R-Values in the cellar (eg from glass doors or walls) will increase the thermal load on the wine cellar. To be certain that the thermal load won't exceed the capacity of the cooling unit, email your wine cellar specifications to us and we'll be glad to assist you.

(1) For reference purposes, the calculated BTUH at 13°C for **Breezaire WKC1060** is 1054 and **Breezaire WKC2200** is 1328.