

Mitsubishi Electric P-Series H2i

Singlezone Ducted, Centrally Ducted

AHRI Cert #: **206223059**

Outdoor Unit #: **PUZ-HA42NKA1**

Indoor Unit #: **PVA-A42AA7**

🔥 Maximum Heating Capacity (Btu/hr) @5°F: **48,000**

🔥 Rated Heating Capacity (Btu/hr) @47°F: **48,000**

❄️ Rated Cooling Capacity (Btu/hr) @95°F: **42,000**

[Advanced Data - Sizing for Heating](#)

This tool is for preliminary product selection planning only. It is necessary to conduct full engineering capacity assessments that take line-length, multi-head impacts, and other factors into consideration. Use manufacturer's data and tools to finalize product sizing and selection determinations

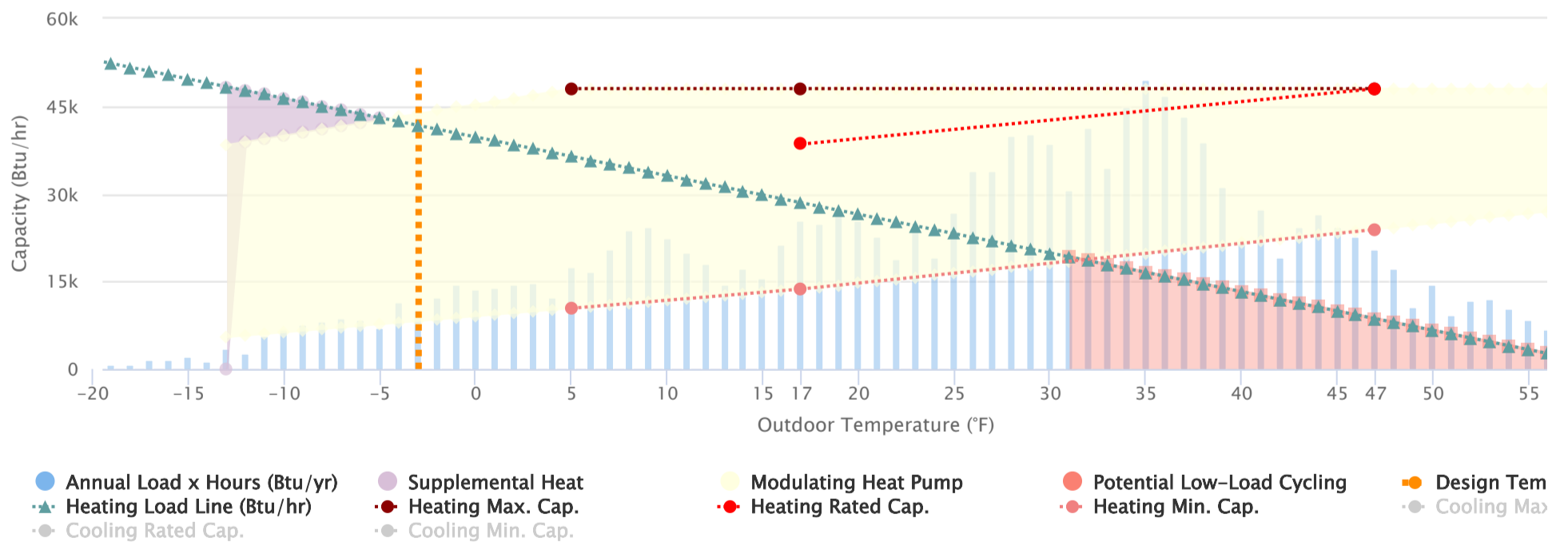
State	Weather Station <i>i</i>	Heating Design Temp. (°F) <i>i</i>	Heating Design Load (Btu/hr) <i>i</i>
NH	Lebanon Municipal	-3	41694
<input type="checkbox"/> Optional: Apply Lock-Out Temperature			
<input checked="" type="checkbox"/> Optional: Manually Set Low Temperature Capacity Rating	-13	38400	

Advanced Search - Sizing for Heating [User Guide](#) *i*

[Run Sizing for Heating Data](#)

Graph Information *i*

System Capacity, Heating Load, and Weather Data Graph



Product Sizing For Heating

Field Information *i*

Capacity Balance Point (°F)	-5
Minimum Capacity Threshold (°F)	31
Maximum Capacity at Design Temp (Btu/hr)	43,733
Percent Design Load Served	104.9%
Annual Heating Load (MMBtu)	98.4
Percent Annual Heating Load Served	96.3%

Field Information *i*

Annual Btu's Covered by Supplemental Heat (MMBtu)	3.6
Hours Requiring Supplemental Heat	87
Percent Hours Requiring Supplemental Heat	1.4%
Percent Annual Load Modulating	51.7%
Percent Annual Load with Low-Load Cycling	42.5%

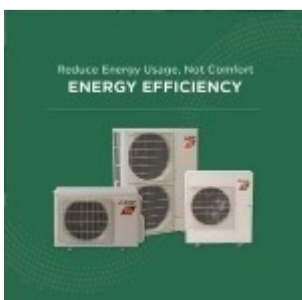
Information Tables

Brand	Mitsubishi Electric
Series	P-Series H2i
Ducting Configuration	Singlezone Ducted, Centrally Ducted
AHRI Certificate No.	206223059
Outdoor Unit #	PUZ-HA42NKA1
EER	10.6
EER 2	
Variable Capacity	✓
Indoor Unit Type	Mini-Splits
Indoor Unit #	PVA-A42AA7
Furnace Unit #	
SEER	15.4
SEER 2	
HSPF (Region IV)	10
HSPF 2 (Region IV)	
Energy Star	
Energy Star Cold Climate	
Turndown Ratio (Max 5°F/Min 47°F)	2.01
Capacity Maintenance (Max 5°F/Max 47°F)	100%
Capacity Maintenance (Rated 17°F/Rated 47°F)	80%
Capacity Maintenance (Max 5°F/Rated 47°F)	100%
Integration	
Connectivity	
Operational Diagnostics	
Refrigerant	R-410A
Sold In	USA, Canada

Pan Heater

Type	N/A
Input Power	
Model #	
Operation	

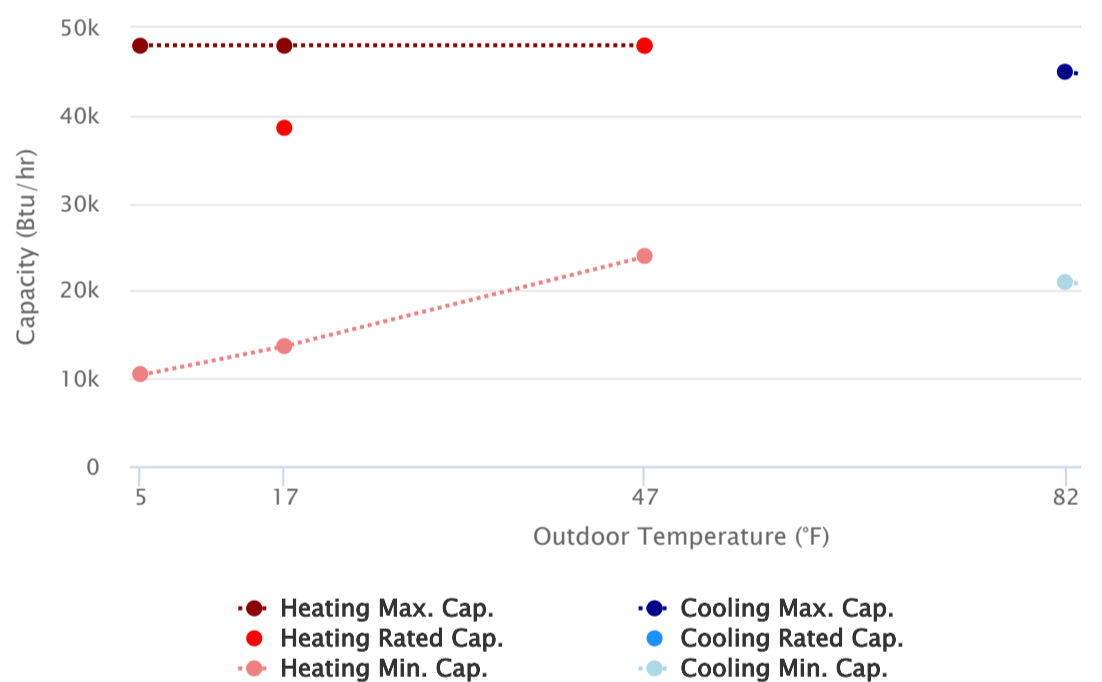
Additional Heat Pump Images



Performance Specs

Heating / Cooling	Outdoor Dry Bulb	Indoor Dry Bulb	Unit	Min	Rated	Max
Cooling	95°F	80°F	Btu/h	17,000	42,000	42,000
			kW	1.32	3.96	3.96
			COP	3.77	3.11	3.11
Cooling	82°F	80°F	Btu/h	21,100	-	45,000
			kW	1.21	-	3.55
			COP	5.11	-	3.71
Heating	47°F	70°F	Btu/h	23,900	48,000	48,000
			kW	1.72	3.85	4.57
			COP	4.07	3.65	3.08
Heating	17°F	70°F	Btu/h	13,700	38,500	48,000
			kW	1.84	4.92	6.63
			COP	2.18	2.29	2.12
Heating	5°F	70°F	Btu/h	10,400	-	48,000
			kW	1.78	-	6.87
			COP	1.71	-	2.05

Heating/Cooling Capacity Graph



Related Products
