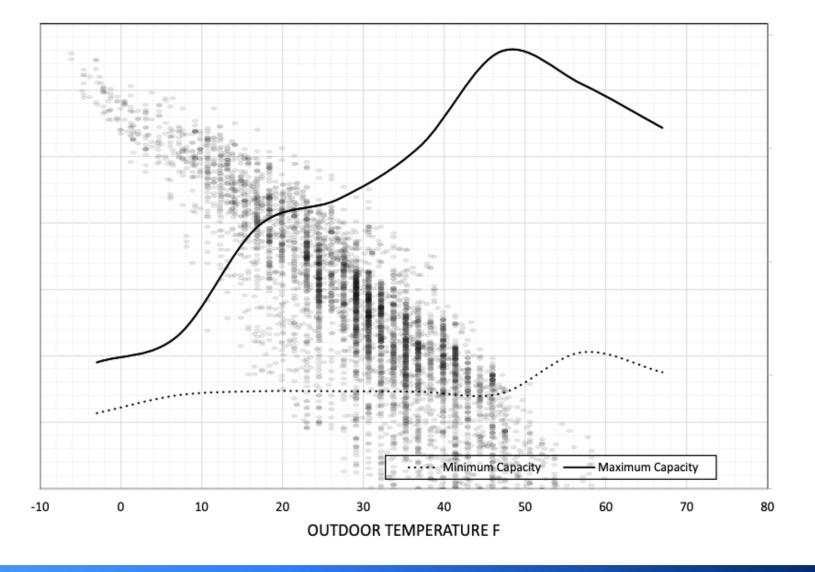
Demystifying Heat Pump Performance Data



Heat-pump sales in U.S. need to soar

Growth in electric heat-pump sales would have to follow an S-curve to meet climate goals

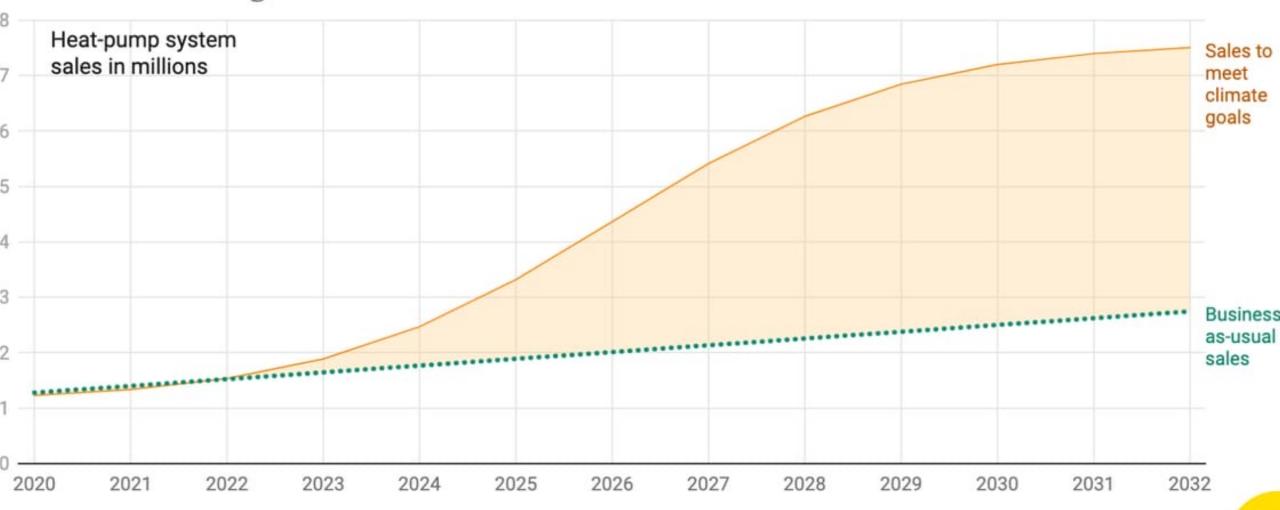
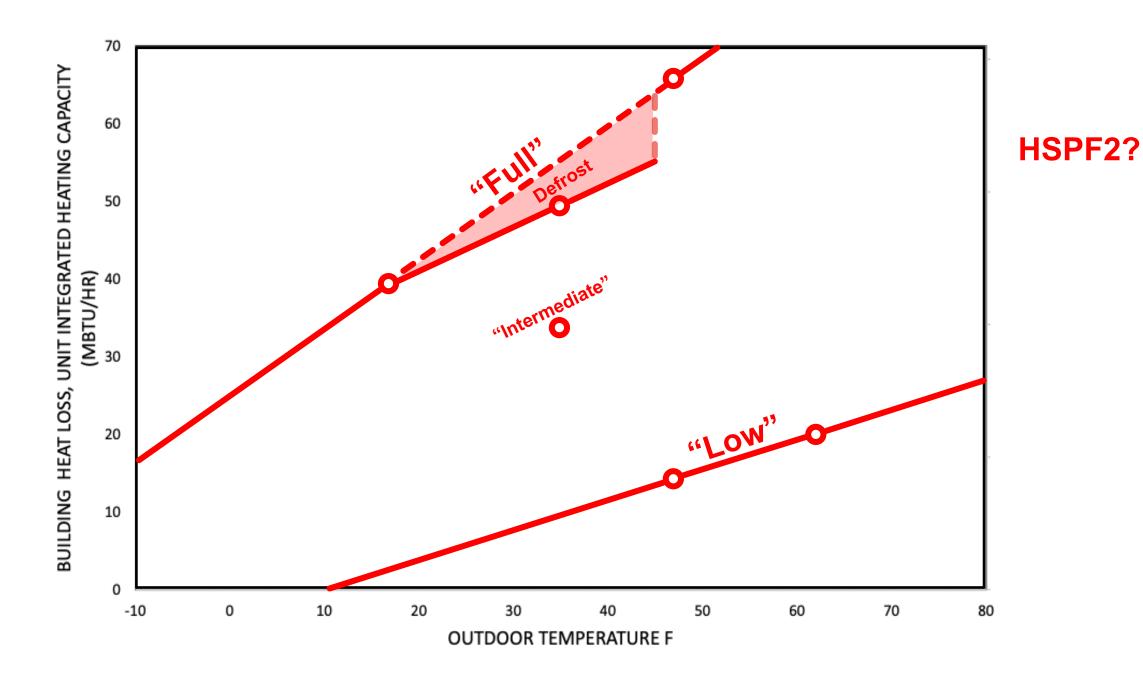
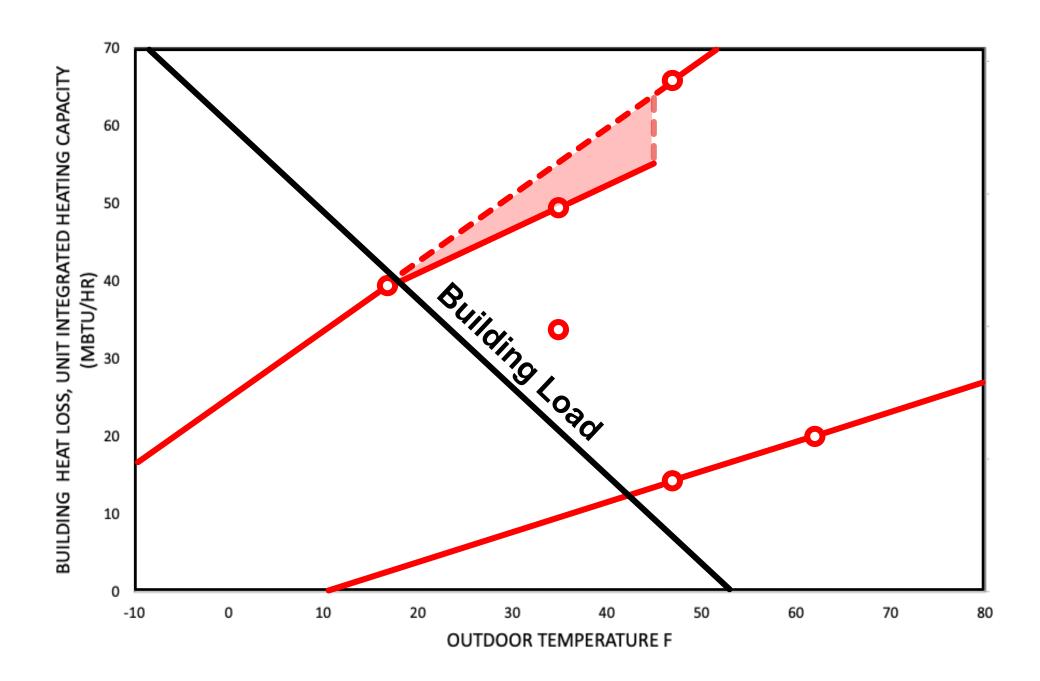
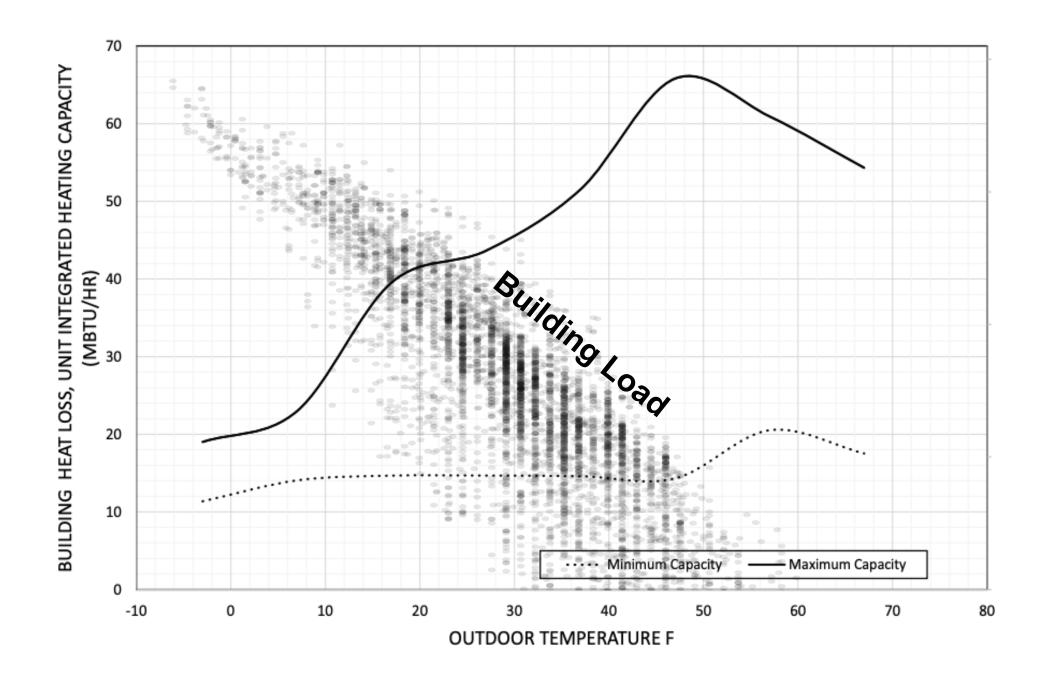


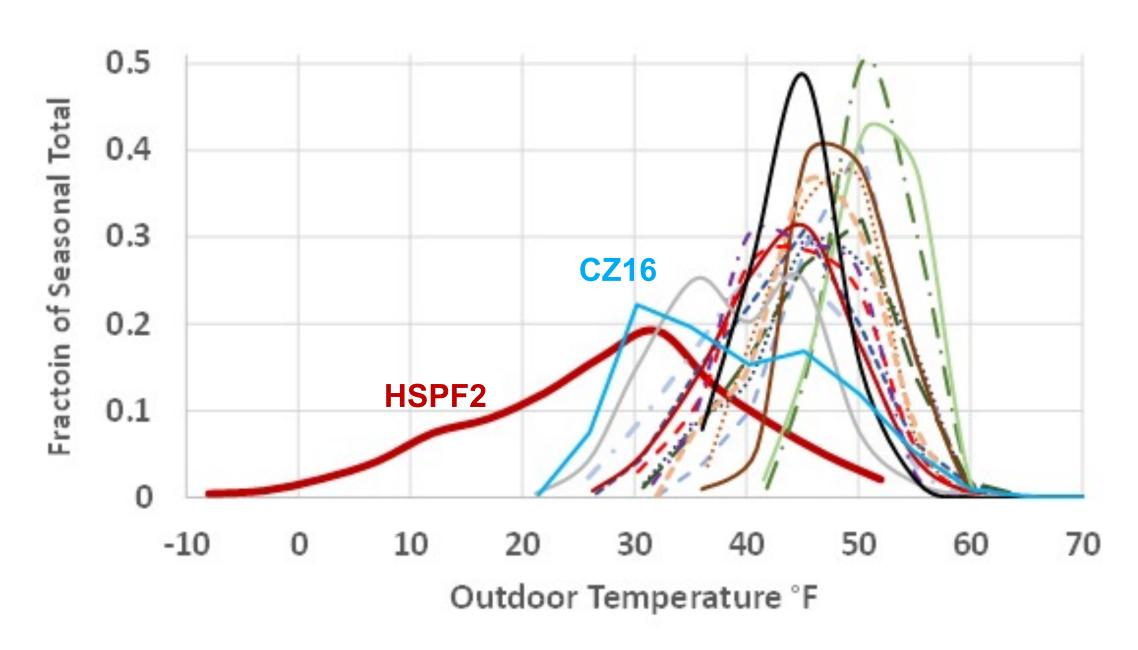
Chart: Canary Media Source: Rewiring America, Pace of Progress 2023





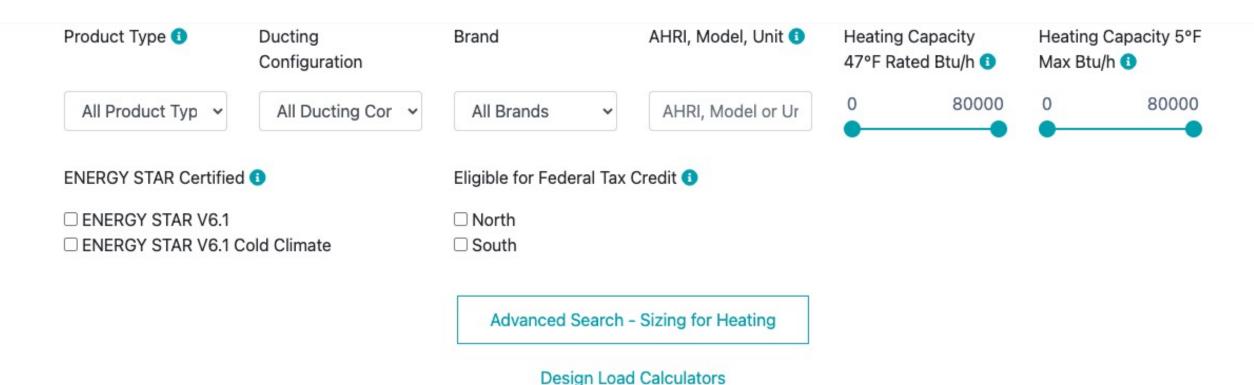


Seasonal Heating Load Distribution by CA CZ



Seasonal ratings are just oversimplified energy models of the wrong home in the wrong climate







Information Tables

DAIKIN Daikin Fit

Central Air Conditioning Heat Pump (HP) Singlezone Ducted, Centrally Ducted

AHRI Cert #: 212614942

Outdoor Unit Model #: DZ6VSA481EA*
Indoor Model #: CA*EA6030*4A*

Maximum Heating Capacity (Btu/h) @5°F: 31,000

Area Heating Capacity (Btu/h) @47°F: 44,000

Rated Cooling Capacity (Btu/h) @95°F: **44,000**Performance Specs

Basic View 1

Advanced Data - Sizing for Heating

illioilliation lables			
Brand	DAIKIN		
Series	Daikin Fit		
Ducting Configuration	Singlezone Ducted, Centrally Ducted		
AHRI Certificate #	212614942		
Outdoor Unit Model #	DZ6VSA481EA*		
Indoor Model #	CA*EA6030*4A*		
Indoor Unit Type	Ducted Indoor Units		
Furnace Model #	D*96VC1005DNA*		
EER			
SEER			
HSPF (Region IV)	_		
EER2	10		
SEER2	17		
HSPF2 (Region IV)	8.5		
HSPF2 (Region V)	7		
ENERGY STAR V6.1	✓		
ENERGY STAR V6.1 Cold Climate	Y		

Heating / Cooling	Outdoor Dry Bulb	Indoor Dry Bulb	Unit	Min	Rated	Max
Cooling	95°F	80°F	Btu/h	14,600	44,000	44,000
			kW	1.23	4.34	4.34
			COP	3.48	2.97	2.97
Cooling	82°F	80°F	Btu/h	15,100	-	47,000
			kW	0.73	-	3.85
			COP	6.06	-	3.58
Heating	47°F	70°F	Btu/h	12,200	44,000	44,000
			kW	0.75	3.57	3.57
			COP	4.77	3.61	3.61
Heating	17°F	70°F	Btu/h	16,500	28,000	38,500
			kW	1.67	3.07	5.66
			COP	2.9	2.67	1.99
Heating	5°F	70°F	Btu/h	13,200	31,000	31,000
			kW	1.58	4.1	4.1
			COP	2.45	2.22	2.22

AHRI Rating Data

NEEP Data

