



## R32 Series

### Cold Climate Air-to-Water Heat Pump



## SPACE PAK®

The innovator of small duct high velocity air distribution systems and North American industry leaders of air-to-water heat pump technology.

**A single solution for all-electric heating, cooling, and hot water.**

**Industry Leading Cold Climate Performance Down to -22°F**

#### Warmlink

Introducing modern device management at your fingertips - A remote monitoring and system management tool for installers.



# All comfort. No compromise.

Solstice® air-to-water heat pumps combine the advantages of air-source heat pump technology with the unsurpassed comfort and flexibility of hydronic heating and cooling.

No other heat transport material provides the versatility, safety, reliability, energy efficiency or environmental compatibility of water.

✓ One system

✓ Multiple advantages

✓ Unlimited flexibility

## Design freedom at its finest.

- Heat, cool, domestic hot water from same outdoor unit
- Easy integration of thermal storage, solar PV and dual fuel back up
- Mix and match a variety of emitter styles such as radiators, radiant floors and panels, centrally ducted forced air and ductless fan coils
- Remote mount unit up to 600 ft away, on roofs, or under decks, without loss of performance
- Superior dehumidification benefit of chilled water cooling
- Unprecedented load matching
- Ideal for zoning and easy future expandability
- Compatible with existing heating systems
- Ideal for curb appeal and historic districts
- Advanced sophistication of controls

**Solstice heat pumps are the ultimate decarbonization solution for virtually any application in both retrofit, new construction, residential, and light commercial applications.**

## Green By Nature

Unlike traditional air-source systems that circulate refrigerant indoors to transfer thermal energy, hydronic heat pumps harness the clean, efficient properties of water, making them the ideal choice for promoting health, comfort, and safety.







## Why Solstice?

**Industry Pioneers** – We introduced air-to-water heat pump technology to the North American market in 2011 and have led the way in driving its adoption ever since.

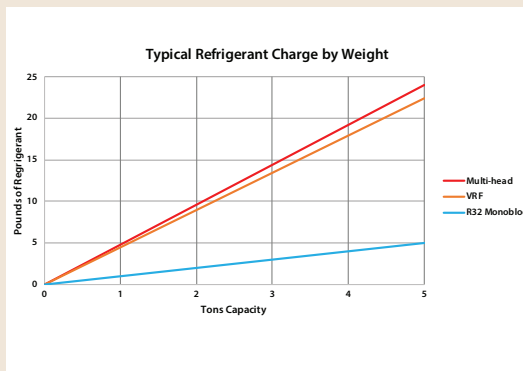
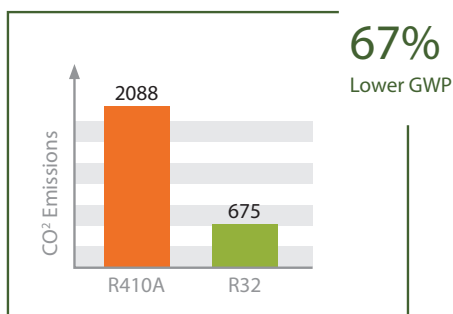
**Proven Performance** – With thousands of successful installations across the U.S. and Canada, Solstice heat pumps have earned the trust of industry professionals for their unmatched reliability and efficiency.

**Unrivaled Warranty** – Solstice heat pumps come with an industry-leading 10-year compressor warranty and 5-year parts warranty for SpacePak-certified installers, ensuring long-term peace of mind.

**Backed by Mestek** – As part of Mestek, a leader in hydronic heating and cooling manufacturing for over 75 years, SpacePak offers unparalleled expertise, training, and support to our partners.

**Environmentally friendly R32 refrigerant allows for higher operational efficiencies and improved capacities with less total overall refrigerant volume.**

- Zero Ozone Depletion Potential (ODP = 0)
- Low Global Warming Potential (GWP = 675)
- Meets the AIM Act Regulations
- Rebate Eligible



## Is a system truly sustainable if it's vulnerable to future legislation?

Unlike the split-type air source heat pump systems, forward-thinking Solstice sourced hydronic systems are sure to remain safe and compatible as regulations continue to evolve.

# Solstice® R32 Series Cold Climate Air-to-Water Heat Pump (CC32)

## Standard Features

- Heating, Cooling, and Domestic Hot Water offset
- High performance heating down to -22°F (-30°C)
- Max suggested water temperatures of 140°F (60°C)
- Available in 1.5-, 3-, and 5-ton model
- Quietest unit on the market (41dB(a) @ 3 feet)
- Reliable Panasonic inverter driven EVI compressor
- Eco-safe and future-proof monobloc design
- Advanced flexible internal controls
  - User-friendly color touch screen
  - Intelligent defrost
  - Outdoor air reset
  - Modbus compatible
- Freeze protection

## CC32 Specifications

		Units	CC32-18	CC32-40	CC32-60
Cooling	Capacity Range	BTU/hr (kW)	8,400 - 22,800 (2.5 - 6.7)	15,600 - 39,600 (4.6 - 11.6)	21,600 - 57,600 (6.3 - 16.9)
	Efficiency Range	EER	8.12 - 8.67	6.82 - 8.98	7.77 - 8.99
	Efficiency	IPLV	16.81	16.75	14.46
	Delivered Water Temp Range	°F (°C)	41 - 77 (5 - 25)		
	Ambient Temp Range	°F (°C)	50 - 109 (10 - 43)		
Heating	Capacity Range	BTU/hr (kW)	3,600 - 23,000 (1.1 - 6.7)	8,000 - 42,000 (2.3 - 12.3)	12,000 - 72,000 (3.5 - 21.1)
	Efficiency Range	COP	0.95 - 8.64	0.99 - 9.09	0.98 - 9
	Delivered Water Temp Range	°F (°C)	95-140		
	Ambient Temp Range	°F (°C)	-22 -110		
CEC Data	Cooling Capacity*	BTU/hr (kW)	17183 (5.0)	35120 (10.3)	52001 (15.2)
	Cooling Efficiency*	EER	10.43	9.9	8.85
	Heating Capacity**	BTU/hr (kW)	18919 (5.5)	35424 (10.4)	62760 (18.4)
	Heating Efficiency**	COP	3.07	2.9	3.13
	Heating Capacity***	BTU/hr (kW)	10189 (3.0)	26222 (7.7)	42700 (12.5)
	Heating Efficiency***	COP	1.52	2.23	2.06
Electrical	Power	V/Ph/Hz	208-230/1/60		
	Fan Motor	A	0.8		
	Compressor Motor	A	12.2	21	33.5
	MCA	A	17	28	44
	MOPD	A	25	45	70
	SCCR	kA	5kA		
Refrigerant	Type		R32		
	Factory Charge	lbs. (kg)	2.43 (1.1)	3.97 (1.8)	4.41 (2)
Fan	Quantity		1	1	2
	Power Input	W	150	170	75 (x2)
	Type		DC		
	Max Speed	RPM	600		
Sound (@1meters)	Maximum	dBA	41	43	46
Hydronic	Rated Flow	GPM	4.4	7.5	12.8
	Max Water Temp	°F (°C)	140 (60)		
	Piping Connections	inch (cm)	1 (2.54)		
	Rated Pressure Drop	PSI (ft W.C.)	2.9 (6.7)	4.4 (10.2)	6.5 (15)
Compressor	Type		Rotary		
	Speed Range	Hz	30-90		
	Brand		Panasonic		
	Quantity		1		
Dimensions	Net Dimensions (W x D x H)	inch (cm)	46 x 16 x 32 (117 x 41 x 80)	51 x 18 x 37 (129 x 46 x 93)	50 x 22 x 53 (125 x 54 x 133)
	Shipping Dimensions (W x D x H)	inch (cm)	54 x 22 x 39 (138 x 56 x 100)	59 x 24 x 46 (150 x 61 x 117)	58 x 26 x 60 (148 x 67 x 153)
	Net Weight	lbs. (kg)	200 (90)	292 (132)	459 (208)
	Shipping Weight	lbs. (kg)	304 (138)	391 (178)	535 (243)

CEC is California Energy Commission. Data is tested in accordance with AHRI 550/590

\*= 44°F LWT 54°F EWT @3.75 at CC32-18/6.17 at CC32-40/11.45 at CC32-60 GPM & 95°F DB Ambient

\*\*= 120°F LWT 107°F EWT @4.4 at CC32-18/7.5 at CC32-40/12.8 at CC32-60 GPM & 47°F DB Ambient

\*\*\*=120°F LWT 110°F EWT @4.4 at CC32-18/7.5 at CC32-40/12.8 at CC32-60 GPM & 17°F DB Ambient



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