

Solstice® Inverter Split Air-to-Water Heat Pump

FEATURES AND BENEFITS

- Supplies Low Temperature Water for Heating & Chilled Water for Cooling
- Reliable Panasonic EVI Inverter Compressor
- High Performance Heating in Cold Climates Extremes Down to -22°F
- 41-130°F Delivered Water Temperatures (Controls on Supply)
- Available in 5-ton Model
- Split Design Provides the Flexibility to Reduce the Use of Glycol in the Hydronic Loop
- SIS System Includes both Indoor and Outdoor Units, Refrigerant Line Set (35'), and Control Wire (50')
- Simple Indoor Piping Similar to Wall Hung Boilers
- Freeze Protection
- Low Amp Draw with Ultra Quiet Operation
- User Friendly Touch Screen Control
- Precision Temperature Control Platform
- DC Driven Fan Motors & EC Modulating Fans
- Eligible for Rebates
- **Industry Leading 10-Year Compressor Warranty**
- **5-Year Parts Warranty for Certified Contractors**



SPACE PAK®

260 North Elm St., Westfield, MA 01085
(800) 465-8558

7555 Tranmere Drive, Mississauga, ONT. L5S 1L4 Canada
(905) 670-5888

www.spacepak.com

PROJECT: _____ DATE: _____

LOCATION: _____

CUSTOMER: _____

ENGINEER: _____

SUBMITTED BY: _____

FOR: Reference Approval Construction

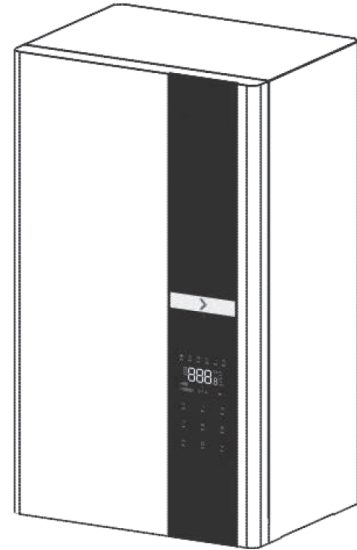
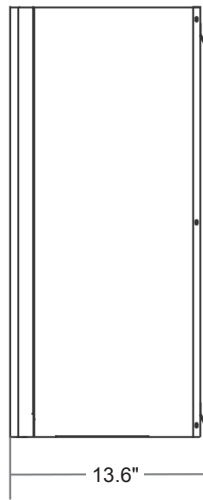
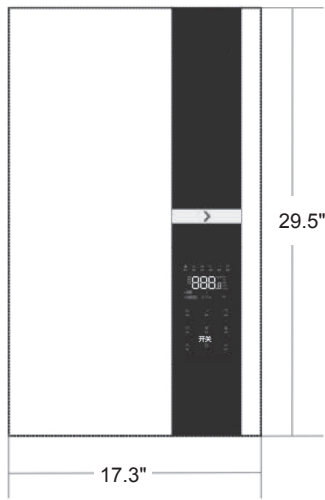
UNIT DESIGNATION: _____

SCHEDULE NUMBER: _____

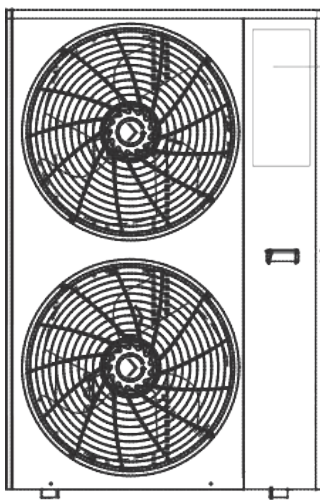
SUBMITTAL DATA: Heat Pump SIS Series

SIS DIMENSIONS (INCHES)

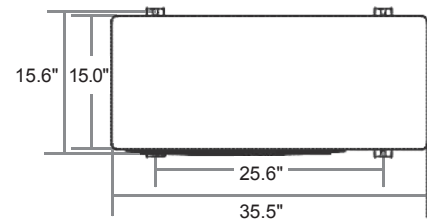
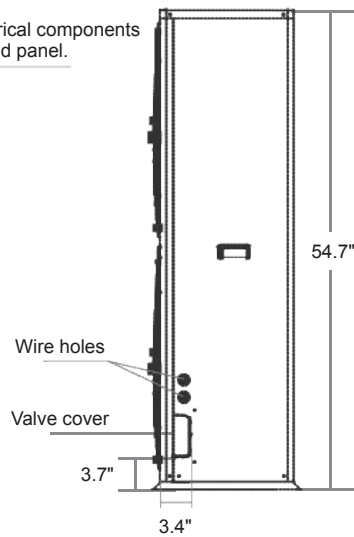
Indoor Unit



Outdoor Unit



Electrical components behind panel.



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SIS SPECIFICATIONS

		Units	Outdoor	Indoor
Cooling	Capacity Range	BTU/hr	21,484-74,489	
	Efficiency Range	EER	7.12-18.05	
	Efficiency	IPLV	17.14	
	Delivered Water Temp Range	°F	41-68	
	Ambient Temp Range	°F	5-109	
Heating	Capacity Range	BTU/hr	10,412-76,023	
	Efficiency Range	COP	1.19-3.92	
	Delivered Water Temp Range	°F	60-140	
	Ambient Temp Range	°F	-22-90	
CEC Data	Cooling Capacity*	BTU/hr	39,714	
	Cooling Efficiency*	EER	8.14	
	Heating Capacity**	BTU/hr	55,499	
	Heating Efficiency**	COP	2.9	
	Heating Capacity***	BTU/hr	37,505	
	Heating Efficiency***	COP	1.9	
Electrical	Power	V/Ph/Hz	230/1/60	
	Fan Motor	A	1 (x2)	N/A
	Compressor Motor	A	30A	N/A
	MCA	A	40	15
	MOPD	A	50	15
	SCCR	kA	10	5
Refrigerant	Type		R410A	
	Factory Charge	lbs.	7.7	N/A
Fan	Quantity		2	N/A
	Power Input	W	200 (x2)	N/A
	Type		EC	N/A
	Max Speed	RPM	700	N/A
Sound	Range	dBa	50	38
	Rated Flow	GPM	12	
Hydronic	Max Water Temp	°F	130	
	Piping Connections	inch	N/A	1"
	Rated Pressure Drop @ Rated Flow	PSI (ft W.C.)	N/A	10.7/24.7
	Type		Rotary Inverter, EVI	N/A
Compressor	Speed Range	Hz	30-90	N/A
	Brand		Panasonic	N/A
	Quantity		1	N/A
	Net Dimensions (L x W x H)	inch	35x15x55	17x14x30
Dimensions	Shipping Dimensions (L x W x H)	inch	37x17x55	33x21x17
	Net Weight	lbs.	293	132
	Shipping Weight	lbs.	337	158

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

* = 44F LWT 54F EWT @10 GPM & 95F DB Ambient

** = 120F LWT 107F EWT @10 GPM & 47F DB Ambient

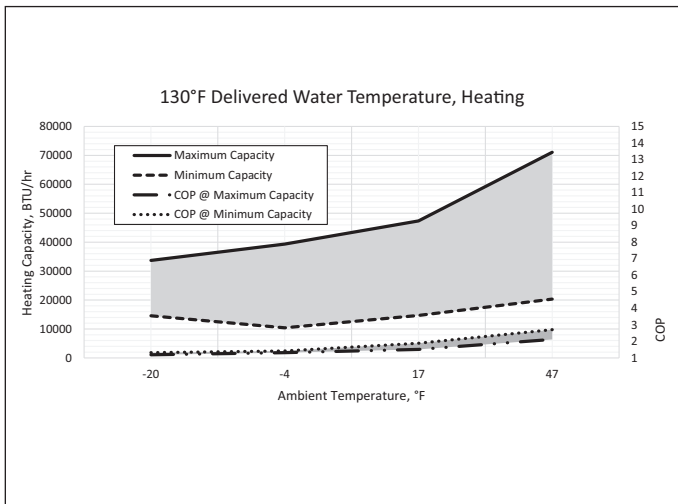
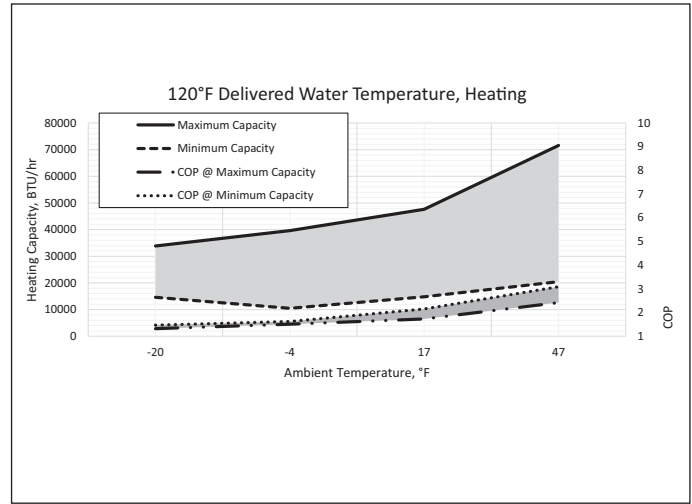
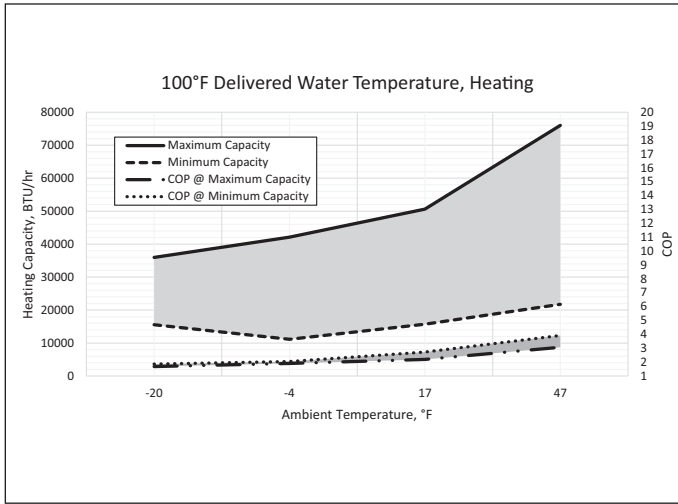
*** = 120F LWT 110F EWT @10 GPM & 17F DB Ambient

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		Heating				Cooling						
HZ	Water Temp	Ambient	Capacity	kW	COP	HZ	Water Temp	Ambient	Capacity	kW	EER	
90	100	-20	35,967	6.28	1.68	78	45	76	74,489	5.19	14.34	
		-4	42,109	6.46	1.91			89	66,912	5.89	11.36	
		17	50,609	6.75	2.20			95	63,125	6.38	9.90	
		47	76,023	7.26	3.07			101	58,449	6.79	8.60	
	120	-20	33,863	7.50	1.32		60	76	60,396	5.09	11.87	
		-4	39,645	7.70	1.51			89	54,253	5.77	9.40	
		17	47,648	8.05	1.73			95	51,182	6.25	8.19	
		47	71,574	8.66	2.42			101	47,391	6.66	7.12	
	130	-20	33,694	8.28	1.19	60	45	76	60,396	3.59	16.81	
		-4	39,368	8.73	1.32			89	54,253	4.07	13.32	
		17	47,315	9.12	1.52			95	51,182	4.41	11.60	
		47	71,074	9.81	2.12			101	47,391	4.70	10.09	
60	100	-20	15,535	2.45	1.86		60	60	76	50,310	3.51	14.34
		-4	21,677	3.10	2.05				89	45,193	3.98	11.36
		17	32,388	3.45	2.75				95	42,635	4.31	9.90
		47	51,626	3.83	3.95				101	39,477	4.59	8.60
	120	-20	14,627	2.92	1.47	30	45	76	35,231	1.95	18.05	
		-4	20,409	3.70	1.62			89	31,648	2.21	14.30	
		17	30,493	4.12	2.43			95	29,856	2.40	12.45	
		47	48,605	4.57	3.12			101	27,645	2.55	10.83	
	130	-20	14,553	3.23	1.32		60	60	76	27,380	1.73	15.82
		-4	20,266	4.19	1.42				89	24,595	1.96	12.53
		17	30,280	4.66	1.90				95	23,203	2.13	10.92
		47	48,265	5.18	2.73				101	21,484	2.26	9.49
30	100	-20										
		-4	11,137	1.60	2.05							
		17	15,696	1.69	2.73							
		47	21,746	1.63	3.92							
	120	-20										
		-4	10,486	1.90	1.62							
		17	14,777	2.01	2.15							
		47	20,473	1.94	3.09							
	130	-20										
		-4	10,412	2.16	1.42							
		17	14,674	2.28	1.89							
		47	20,330	2.20	2.71							

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SIS HEATING PERFORMANCE



SIS COOLING PERFORMANCE

