

Solstice® Inverter Split Air-to-Water Heat Pump

STANDARD FEATURES

- Industry Proven Solstice Technology
- Supplies Low Temperature Water for Heating & Chilled Water For Cooling
- Reliable Panasonic EVI Inverter Compressor
- Available in 5 ton Model
- Extreme Low Ambient Heating Performance Down to -20°F
- 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



	Units	Outdoor	Indoor
Heating Capacity Range*	Btu/Hr	20,473-71,574	
Heating Efficiency*	COP	Up To 3.09	
Heating Capacity Range**	Btu/Hr	14,777-47,315	
Heating Efficiency**	COP	Up to 2.15	
Cooling Capacity Range***	Tons	2.5-5.2	
Cooling Efficiency***	EER	12.5	
Cooling Efficiency****	IPLV	17.14	
Water Temp Range (reads on supply)	Deg F	41-140	
Compressor Frequency	Hz	30-90	
Power Supply	V/Ph/Hz	230/1/60	
MCA	Amps	40	15
MOPD	Amps	50	15
Refrigerant		R410A	
Refrigeration Connection		3/8 & 5/8 Flare	
Compressor		Panasonic Inverter-Drive EVI Scroll	
Water Connection	N.P.T.	N/A	1"
Pressure drop (12 G.P.M)	P.S.I./ft W.C.	N/A	10.7/24.7
Fan Motor (Modulating)		EC Controlled	
Noise Level (@3meters)	dbA	50	38
Net Weight	Lbs	293	132
Shipping Weight	Lbs	337	158
Net Dimensions (L/W/H)	Inches	35x15x55	17x14x30
Shipping Dimension (L/W/H)	Inches	37x17x55	33x21x17
Operating Ambient Temp	Deg F	-20-110	

*Water out- 120°F, Ambient- 47°F, G.P.M-12

**Water out- 120°F, Ambient- 17°F, G.P.M-12

***Water out- 45°F, Ambient (DB/WB)@- 95°F/86°F, G.P.M-12

****IPLV is the recognized measurement of efficiency for Integrated Part Load Values in accordance with AHRI 550/590. Ambient temp = 95°F. Delivered Water = 44°F (8.5GPM) All data based on pure water



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PROJECT: _____ DATE: _____

LOCATION: _____

CUSTOMER: _____

ENGINEER: _____

SUBMITTED BY: _____

FOR: Reference Approval Construction

UNIT DESIGNATION: _____

SCHEDULE NUMBER: _____

SUBMITTAL DATA: Heat Pump SIS Series

		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	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		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							-20			
		-4	11,137	1.60	2.05				-4	11,137	1.60	2.05
		17	15,696	1.69	2.73				17	15,696	1.69	2.73
		47	21,746	1.63	3.92				47	21,746	1.63	3.92
	120	-20							-20			
		-4	10,486	1.90	1.62				-4	10,486	1.90	1.62
		17	14,777	2.01	2.15				17	14,777	2.01	2.15
		47	20,473	1.94	3.09				47	20,473	1.94	3.09
	130	-20							-20			
		-4	10,412	2.16	1.42				-4	10,412	2.16	1.42
		17	14,674	2.28	1.89				17	14,674	2.28	1.89
		47	20,330	2.20	2.71				47	20,330	2.20	2.71