



Split System Inverter Air-to-Water Heat Pump

The SSI is designed for performance and longevity. Outside units have durable jackets and a user-friendly design that is easy to install and maintain.



Indoor Unit

SpacePak's newest air-to-water heat pump system incorporates ultra-high efficient inverter technology. Inverter systems operate up to 30% more efficient than traditional heat pumps. SSI heat pumps use Panasonic EVI inverter compressors for optimum performance at temperatures down to -22°F.

SSI units seamlessly adjust output for specific load-matching through modulation while maintaining precision temperature control. Our EC controlled modulating fan motors and integral control platform eliminate start/stop cycling resulting in superior performance with less wear and tear on the equipment.

Features and Benefits

- 21,000 – 68,000 BTU/H Heating
- 1.7 – 4.3 Tons Cooling
- Panasonic EVI Inverter Compressor
- Integral Circulator Pump
- Precision Temperature Control Platform
- 30% More Efficient than Traditional Heat Pumps
- Indoor Piping Similar to Wall Hung Boilers
- No Water/Glycol Mix Outside
- User Friendly Touch Screen Controller



Outdoor Unit



Units use inverter driven compressors with EVI technology for superior performance efficiency at temperatures as low as -22°F.



EC controlled modulating fan motors combined with high efficiency blade profile ensure quiet end efficient operation while exchanging energy with the outdoor air.

Specifications

		Outdoor	Indoor
Heating Capacity Range*	Btu/Hr	21,000-68,000	
Water Temp Range	Deg F	40-130	
Heating Efficiency	COP	Up To 4.23	
Cooling Efficiency	COP	Up to 4.09	
Cooling Capacity Range**	Tons	1.7-4.3	
Compressor Frequency	Hz	30-90	
Power Supply	V/Ph/Hz	240/1/60	
Max Running Current	Amps	32	1.5
Refrigerant		R410A	
Refrigeration Connection		3/8 & 5/8 Flare	
Compressor		Panasonic Inverter-Drive EVI Scroll	N/A
Pump		N/A	Grundfos
Water Connection	N.P.T.	N/A	1"
Fan Motor (Modulating)		EC Controlled	N/A
Noise Level	DB	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	-22-127	

* Heating (DB)@ 44.6°F, Delivered Water 95°F

**Cooling (DB/WB)@ 95°F/86°F, Delivered Water 44.6°F

All data at 12.5GPM and 5 PSI D.P.

Heating Operation

Cooling Operation

Supply Water Temp	Ambient Temp	Capacity, BTU/hr	Watts	Full Load COP	IPLV COP*	Supply Water Temp	Ambient Temp	Capacity, BTU/hr	Watts	Full Load COP	IPLV COP*
95°F	-22°F	33,985	5,410	1.84	2.01	40°F	82°F	53,281	5,168	3.02	3.67
	0°F	46,948	5,849	2.35	2.52		95°F	47,011	5,798	2.38	2.84
	45°F	73,464	6,336	3.40	4.23		110°F	39,778	6,393	1.82	2.16
120°F	-22°F	32,191	7,093	1.33	1.40	45°F	82°F	57,945	5,278	3.22	3.88
	0°F	44,470	7,663	1.70	1.72		95°F	51,127	5,954	2.52	3.00
	45°F	69,586	8,293	2.46	2.86		110°F	43,260	6,624	1.91	2.41
130°F	-22°F	31,426	8,183	1.13	1.31	50°F	82°F	62,609	5,374	3.41	4.09
	0°F	43,413	8,835	1.44	1.53		95°F	55,242	6,093	2.66	3.16
	45°F	67,933	9,556	2.08	2.58		110°F	46,742	6,834	2.00	2.16

* IPLV is the recognized measurement of efficiency for Integrated Part Load Values

All Data at 12.5 GPM



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