solstice®
HEAT PUMPS

Inverter Air-to-Water Heat Pumps and Hydronic Fan Coils

SPACE PAK®

SPACE PAK
solstice®
HEAT PUMPS

Conserving Energy and Environmental Integrity

Environmentally Friendly Heating & Cooling with Inverter Air-to-Water Heat Pumps & Hydronic Fan Coils

Carbon Free Hydronic Comfort

Any heating expert will tell you that low-temperature hydronic radiant floor heating is the "gold standard" of comfort and efficiency. Instead of using a fossil fueled boiler as its heat source, you can cut out carbon by using an air-to-water heat pump.

Solstice air-to-water heat pumps serve as an ultra-efficient, all-electric energy source able to provide both heating and cooling for residential and light commercial settings, without the use of fossil fuels.

Solstice air-to-water heat pumps provide a promising solution for both new and existing hydronic applications that are aiming to reduce energy consumption, energy costs, and environmental impact.

- The physics that make water ideal for conveying heat also make it ideal for cooling.
- All the advantages of a hydronic (water) distribution system without the use of fossil fuels.
- Energy savings up to 47% greater than a typical high efficiency natural gas condensing boiler.
- Up to 70% less electricity use than electric baseboard.
- In comparison to geothermal, installation costs are significantly less, and comparable operating efficiencies are achieved.
- 30% more efficient than traditional air-source heat pumps.
- In comparison to traditional DX (refrigeration based) systems, it's both safer and more efficient to pump water than refrigerant through a living space.

Solstice Heat Pumps
Industry Leading Air-to-Water Technology

- High efficiency hydronic heat pumps that supply low temperature water for heating & chilled water for cooling
- Combines the performance of modern air-source heat pump technology with the unsurpassed comfort of hydronics
- Thousands of installations across the US and Canada
- Industry proven Solstice technology
- Eligible for rebates

Extended warranty for SpacePak Certified Contractors:

- Industry leading 10-year compressor warranty
- 5-year parts warranty

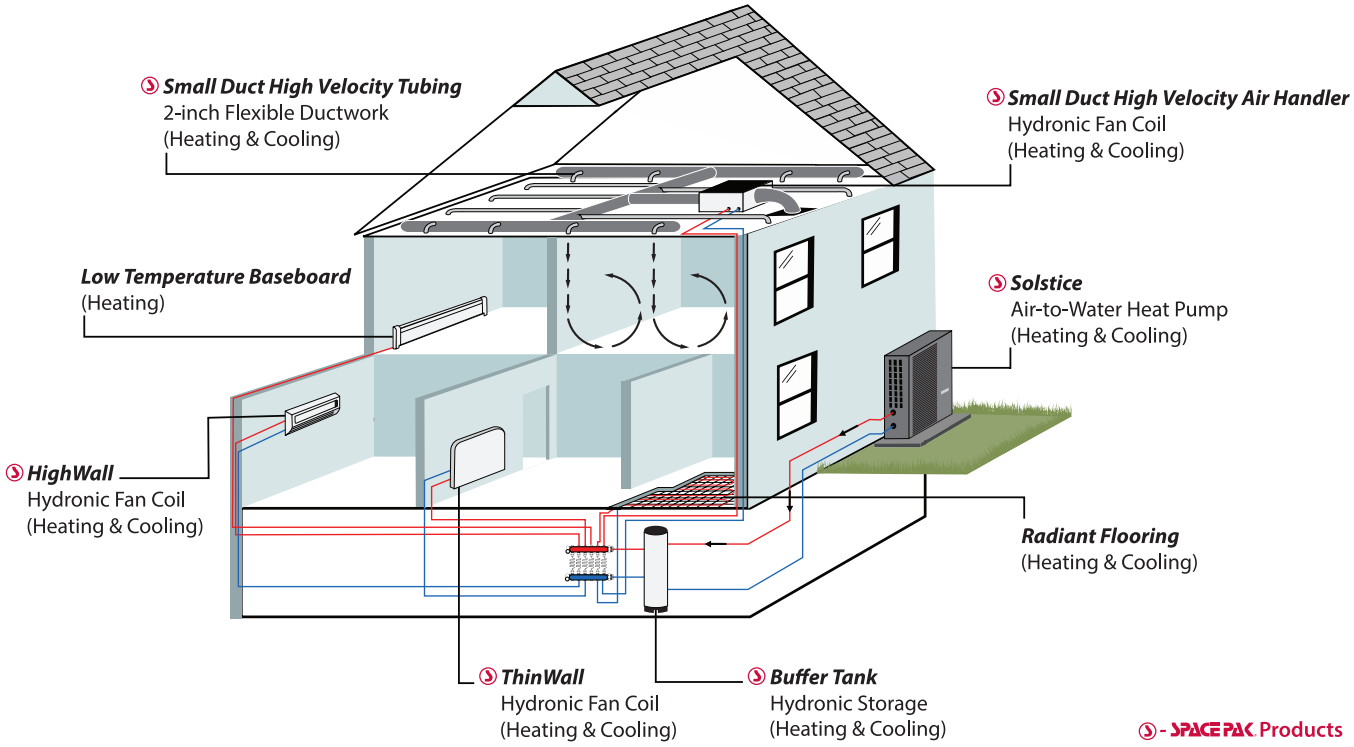
INDUSTRY LEADER
NORTHEAST SUSTAINABLE ENERGY ASSOCIATION

Green by Nature

An ultra safe and environmentally friendly design keeps all refrigerant sealed in its powder coated galvanized steel cabinet and outside the occupied space. Heat pump high efficiency compressors operate on R-410A but use only a fraction of the refrigerant needed by other systems, while providing superior performance and high COP and EER.

Solstice heat pumps run quieter than traditional systems due to horizontally discharged DC driven variable speed fan motors, and ultra-efficient inverter driven compressors.

System Layout



Key:

= Supply

= Return

Piping illustrated depicts heating application. In cooling applications chilled water replaces hot water supply lines.

Solstice® Inverter Monobloc

Air-to-Water Heat Pump

Utilizing industry proven Solstice technology, the Solstice Inverter Monobloc (SIM) is an air-source heat pump ideal for a wide variety of climates and applications and offers low ambient cooling capabilities.

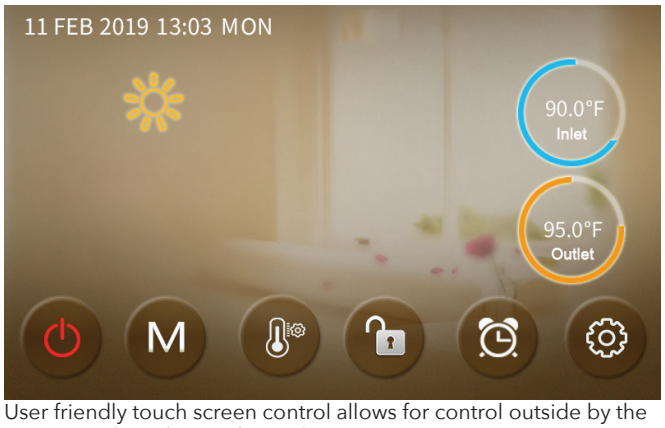
The monobloc design makes it a self-contained unit that keeps all refrigerant conveniently located outside the occupied space.

SIM Manual

Click or Scan for Install Manual

Features and Benefits

- Supplies Low Temperature Water for Heating & Chilled Water for Cooling
- Reliable Mitsubishi Inverter Compressor
- Low Ambient Cooling Capabilities
- 42-130°F Delivered Water Temperatures (Controls on Return)
- Available in 3- and 5-ton Models
- Domestic Hot Water Offset
- Monobloc Design (No On-Site Refrigerant Charging)
- Keeps all Refrigerant Outside the Occupied Space
- Freeze Protection
- Low Amp Draw with Ultra Quiet Operation
- Modbus Compatible
- User Friendly Advanced Color Touch Screen Control (24ga shielded 5 wire. Can be remote mounted up to 600ft)
- Precision Temperature Control Platform
- DC Driven Fan Motors
- Eligible for Rebates
- **Industry Leading 10-Year Compressor Warranty & 5-Year Parts Warranty for Certified Contractors**

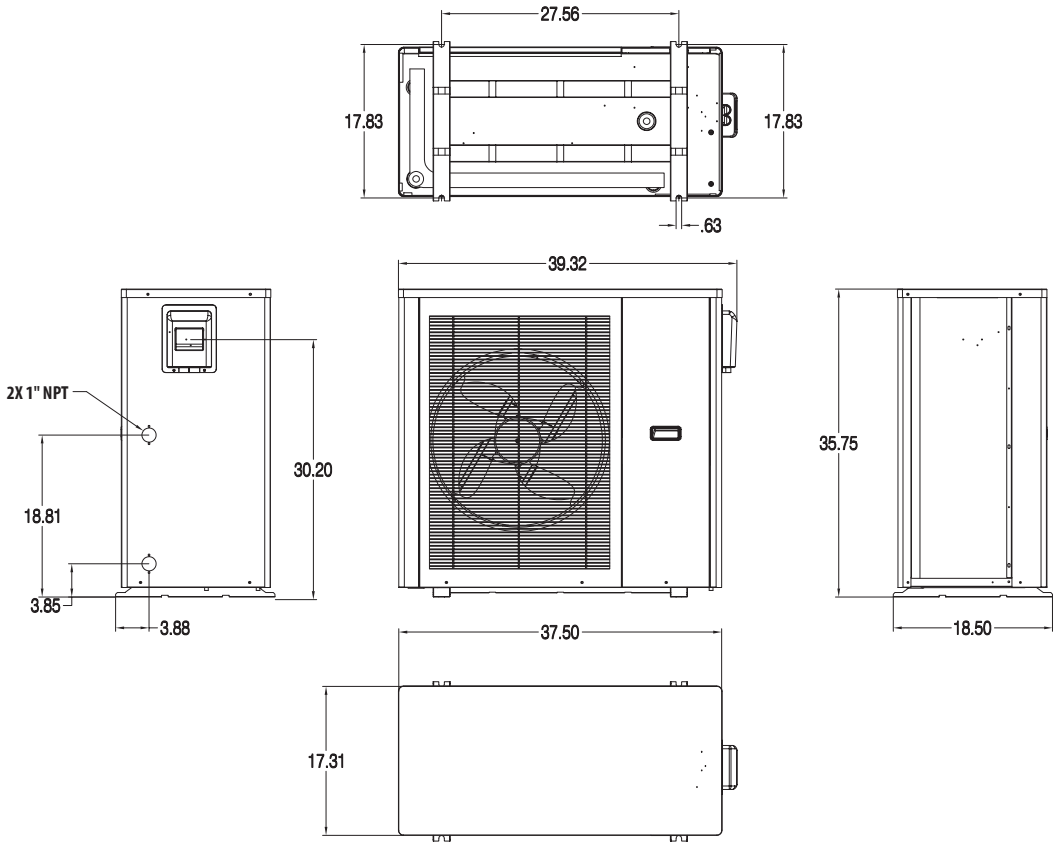


User friendly touch screen control allows for control outside by the unit or inside in the mechanical room.

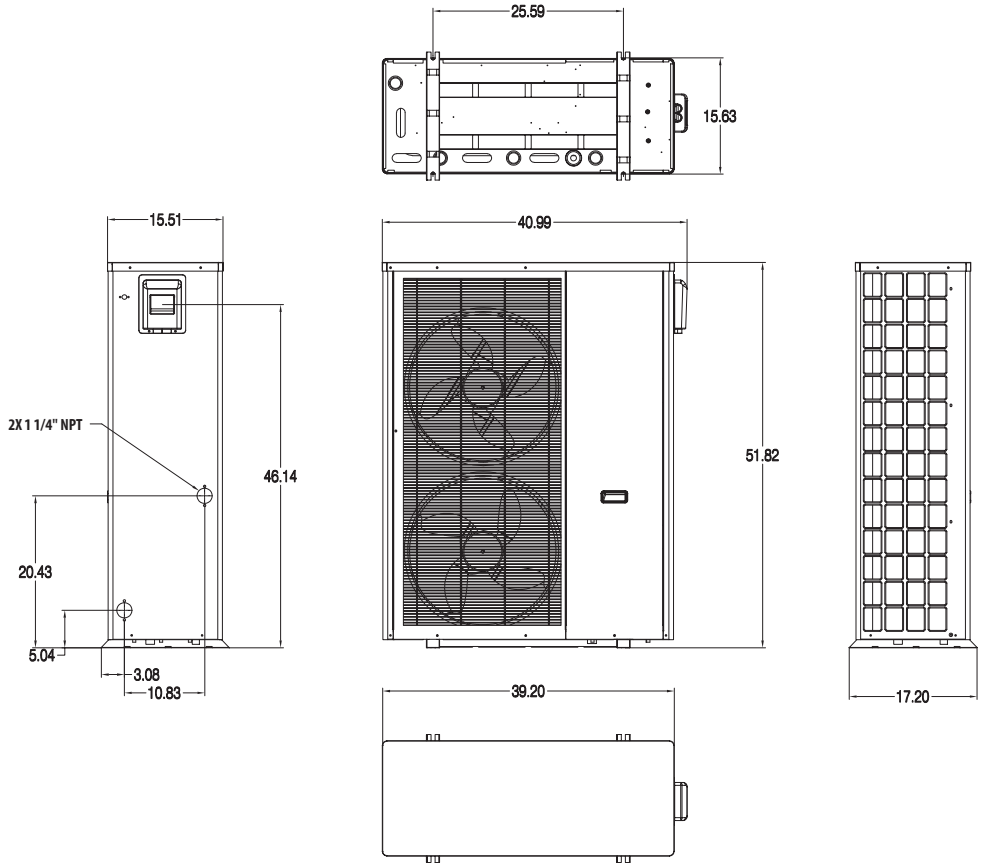
Intertek

SIM Dimensions (Inches)

SIM-036



SIM-060



SIM Specifications

solstice® HEAT PUMPS

		Units	SIM-036	SIM-060
Cooling	Capacity Range**	BTU/hr	12,704 - 34,423	17,884 - 59,523
	Efficiency Range**	EER	11.74 - 11.26	11.26 - 10.75
	Efficiency***	IPLV	12.2	12.1
	Delivered Water Temp Range	DegF	41-68	
	Ambient Temp Range	DegF	5-110	
Heating	Capacity Range*	BTU/hr	13,191 - 38,755	25,413 - 70,666
	Efficiency Range*	COP	5.01 - 4.04	4.67 - 3.69
	Delivered Water Temp Range	DegF	60-130	
	Ambient Temp Range	DegF	5-109	
Electrical	Power	V/Ph/Hz	230/1/60	
	Fan Motor	A (QTY)	0.8	0.8 (x2)
	Maximum Running Current	A	18	21
	Compressor Motor	A	14	25
	Max Fuse/Circuit Breaker/MOPD	A	30	50
	MCA	A	24	35
	SCCR	kA	5	5
Refrigerant	Type		R410A	
	Factory Charge	lbs	5.29	7.06
	Normal Pressure Low Side	PSIG	305	
	Normal Pressure High Side	PSIG	638	
Fan	Quantity		1	2
	Power Input	W	200	
	Type		EC	
	Max Speed	RPM	750	
Sound (@3meters)	Maximum	dBA	54	58
Hydronic	Rated Flow	GPM	7	13
	Max Water Temp (return)	DegF	122	
	Piping Connections	inch	1	1 1/4
	Rated Pressure Drop	PSI (ft W.C.)	6/13.8	10/23
Compressor	Type		Rotary	
	Speed Range	HZ	30-90	
	Quantity		1	
Dimensions	Net Dimensions (L x W x H)	inch	38.6 x 18.3 x 35.4	39 x 13 x 52
	Shipping Dimensions (L x W x H)	inch	40.9 x 19.3 x 36.2	42 x 18 x 53
	Net Weight	lbs.	242.5	326
	Shipping Weight	lbs.	271	368

Test Condition (AHRI 550/590)

* Heating:
Ambient Temperature: (DB/WB): 45°F/43°F
Supply Water Temperature, 95°F, Return, 86°F

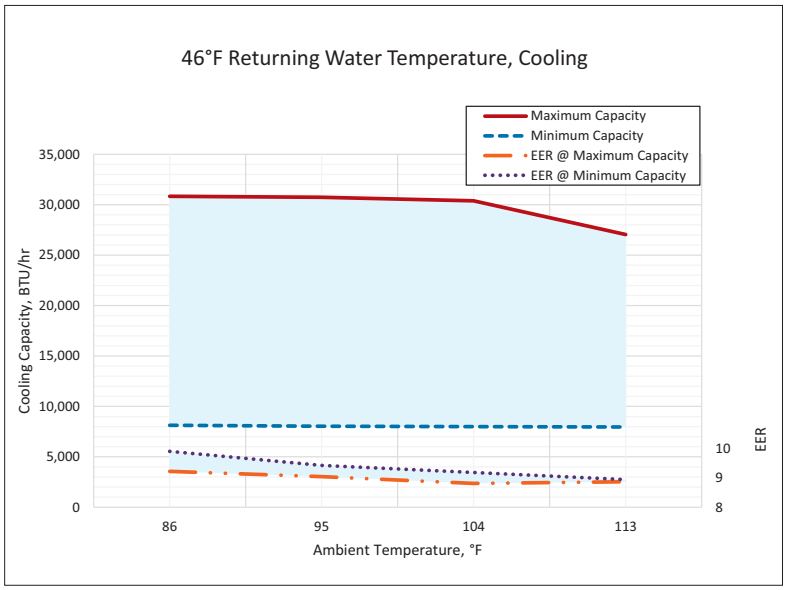
** Cooling:
Ambient Temperature, 86°F
Supply Water Temperature, 50°F, Return, 59°F

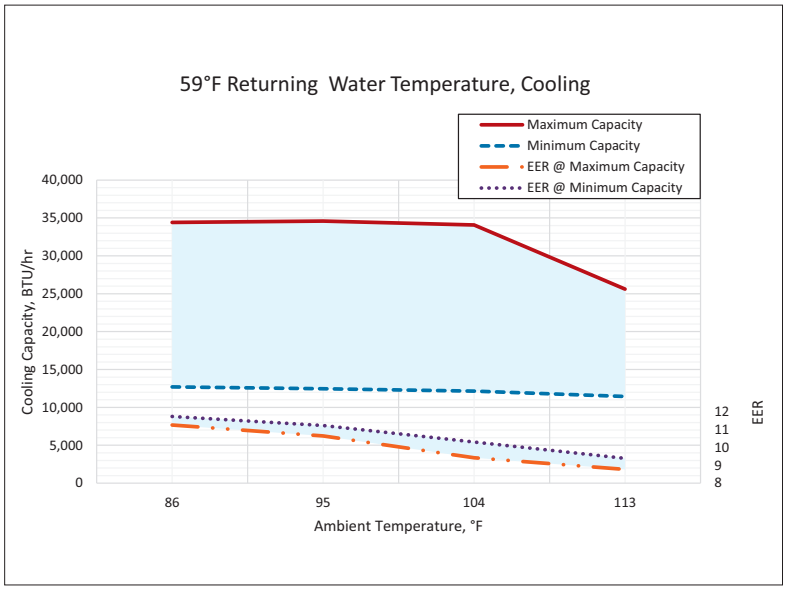
*** IPLV is the recognized measurement for Integrated Part Load Values in accordance with AHRI 550/590.
Ambient Temp = 95°F, delivered water Temp= 44°F. (2.4 GPM per 12,000 BTU/hr nominal capacity.

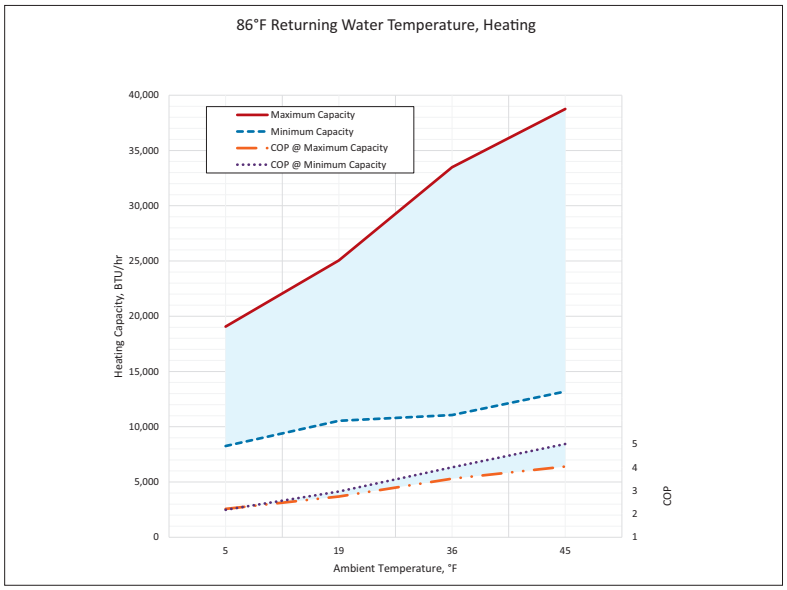
SIM Air-to-Water Heat Pumps modulate capacity based upon inlet water temperature. Temperatures shown above are the temperature of the water returning from the system to the heat pump. Leaving water temperature will vary according to load. Refer to the following performance charts to see the expected.

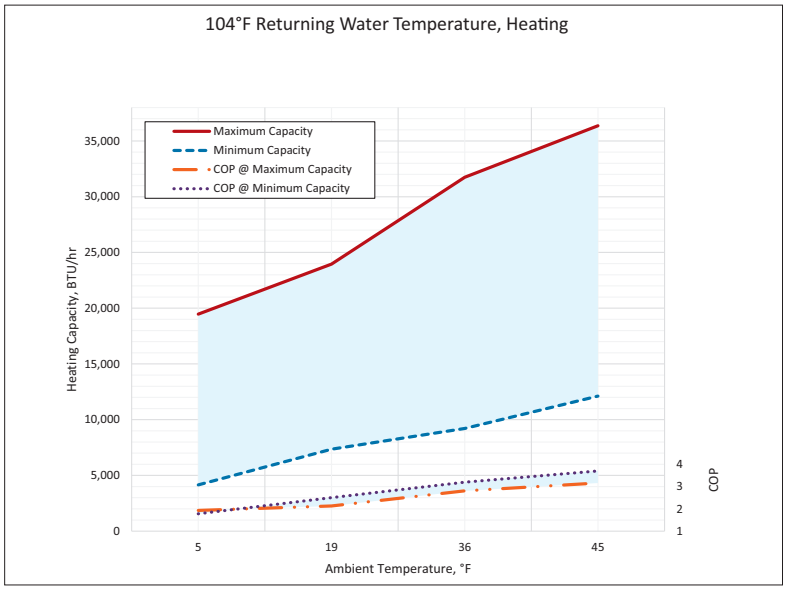
ETL LISTED c US Intertek

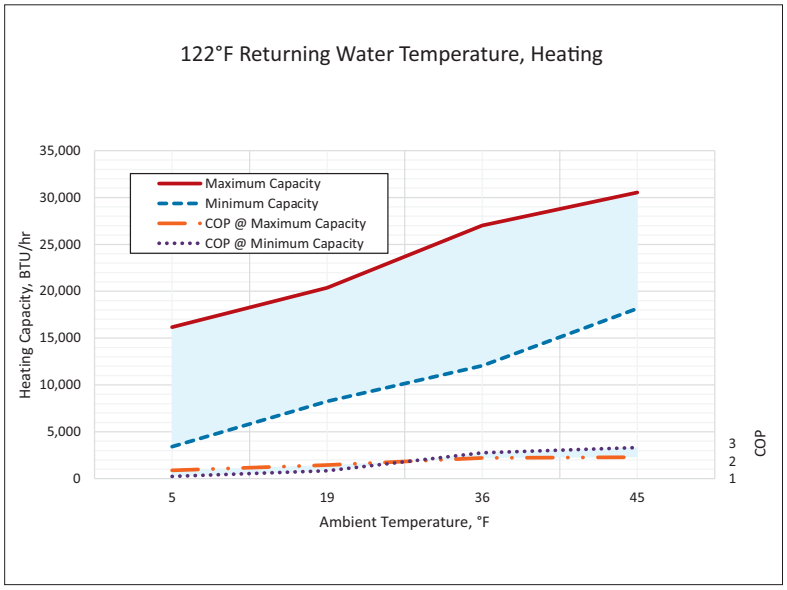
SIM-036 Cooling Performance



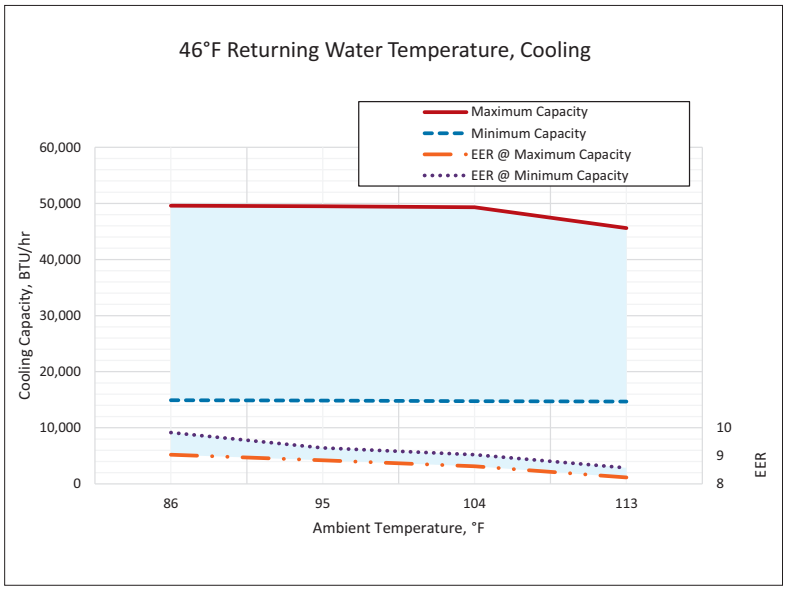


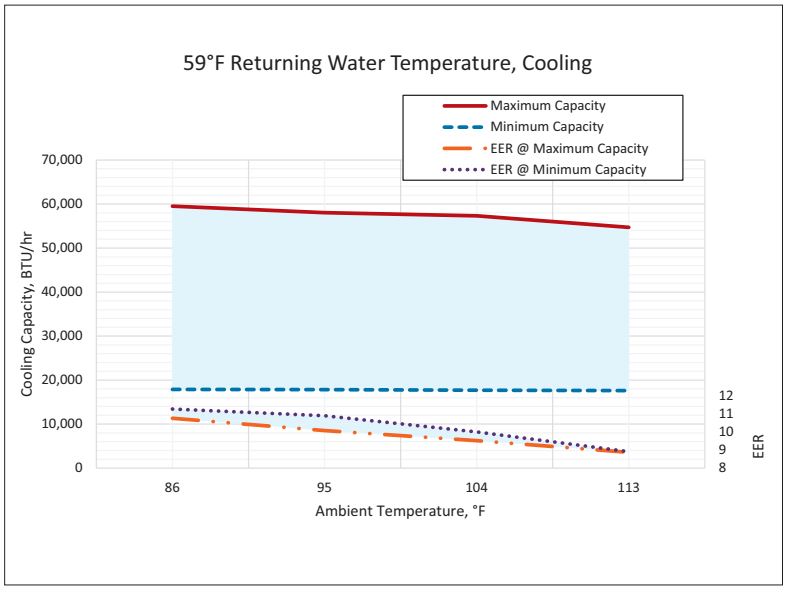

86°F Returning Water Temperature, Heating
Maximum Capacity
Minimum Capacity
COP @ Maximum Capacity
COP @ Minimum Capacity
Heating Capacity, BTU/hr
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
COP
5
4
3
2
1
5
19
36
45
Ambient Temperature, °F

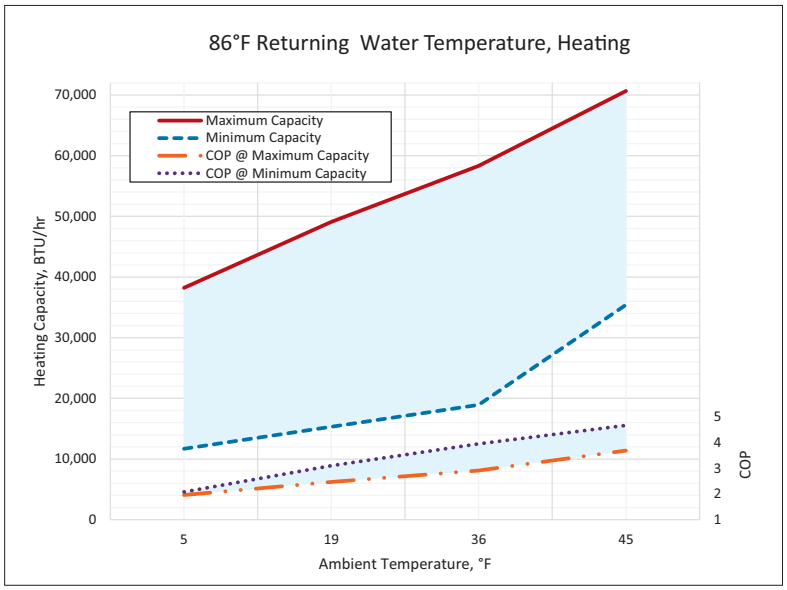

104°F Returning Water Temperature, Heating
Maximum Capacity
Minimum Capacity
COP @ Maximum Capacity
COP @ Minimum Capacity
Heating Capacity, BTU/hr
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
COP
4
3
2
1
5
19
36
45
Ambient Temperature, °F

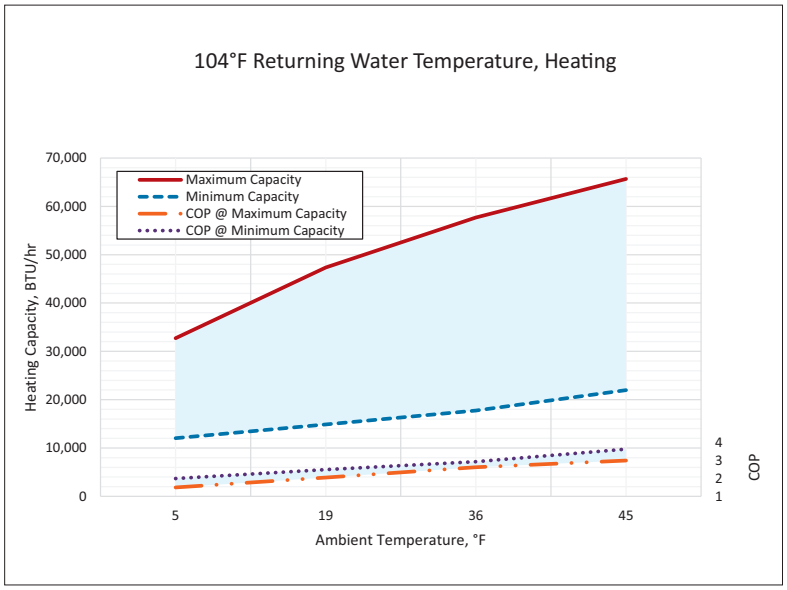

122°F Returning Water Temperature, Heating
Maximum Capacity
Minimum Capacity
COP @ Maximum Capacity
COP @ Minimum Capacity
Heating Capacity, BTU/hr
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
COP
3
2
1
5
19
36
45
Ambient Temperature, °F

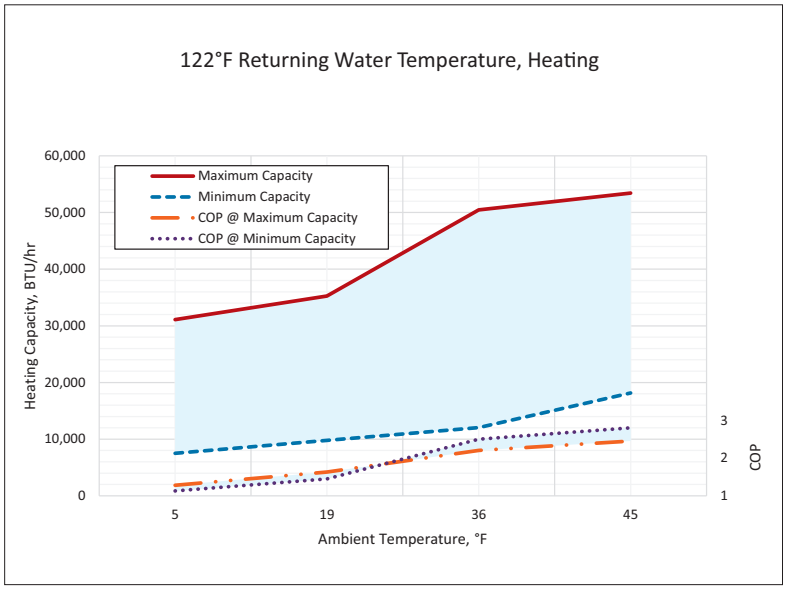
SIM-060 Cooling Performance






86°F Returning Water Temperature, Heating
Maximum Capacity
Minimum Capacity
COP @ Maximum Capacity
COP @ Minimum Capacity
Heating Capacity, BTU/hr
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
5
4
3
2
1
COP
5
19
36
45
Ambient Temperature, °F


104°F Returning Water Temperature, Heating
Maximum Capacity
Minimum Capacity
COP @ Maximum Capacity
COP @ Minimum Capacity
Heating Capacity, BTU/hr
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
4
3
2
1
COP
5
19
36
45
Ambient Temperature, °F


122°F Returning Water Temperature, Heating
Maximum Capacity
Minimum Capacity
COP @ Maximum Capacity
COP @ Minimum Capacity
Heating Capacity, BTU/hr
60,000
50,000
40,000
30,000
20,000
10,000
0
3
2
1
COP
5
19
36
45
Ambient Temperature, °F

Solstice® Inverter Extreme

Air-to-Water Heat Pump - Cold Climate Performance

Utilizing industry proven Solstice technology, the Solstice Inverter Extreme (ILAHP) is a low ambient or "cold climate" air-source heat pump capable of extreme low ambient heating performance down to -22°F.

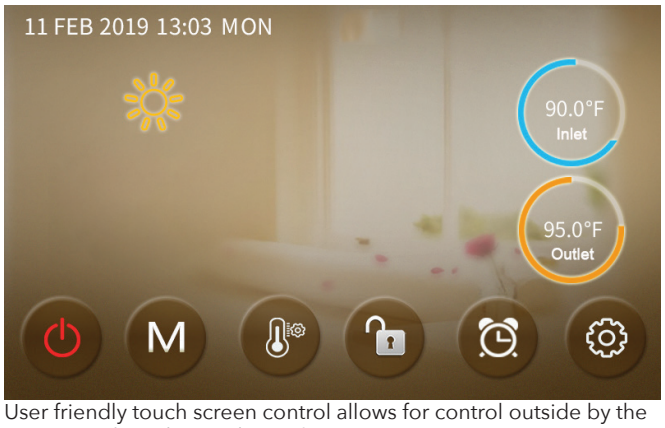
The monobloc design makes it a self-contained unit that keeps all refrigerant conveniently located outside the occupied space.

ILAHP Manual

Click or Scan for Install Manual

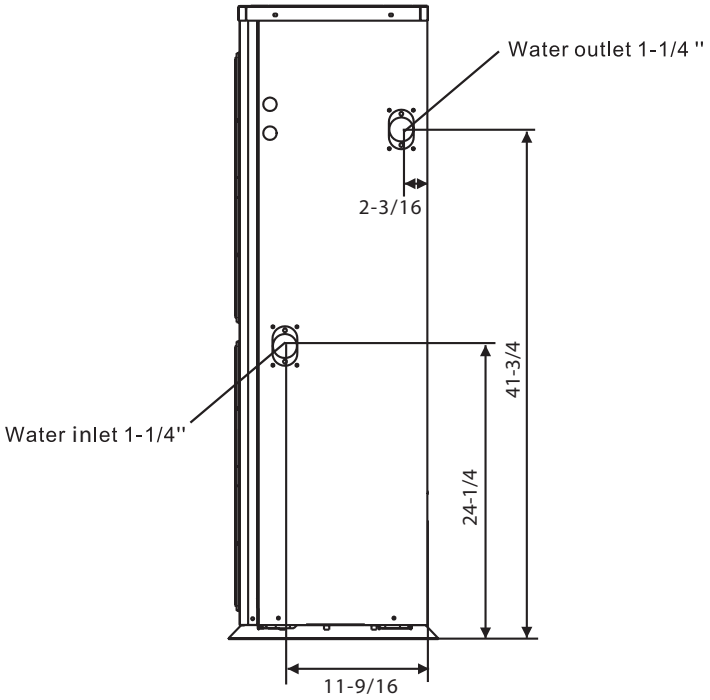
Features and Benefits

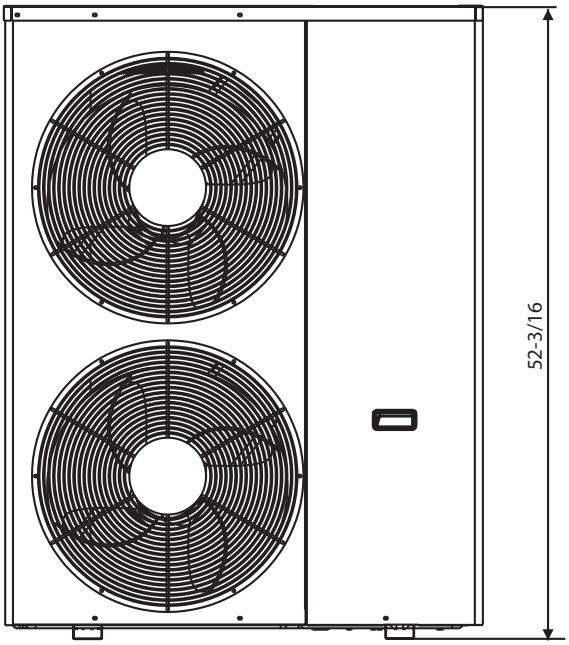
- Supplies Low Temperature Water for Heating & Chilled Water for Cooling
- Reliable Toshiba EVI Inverter Compressor
- High Performance Heating in Cold Climates Extremes Down to -22°F
- 42-130°F Delivered Water Temperatures (Controls on Supply)
- Available in 4-ton model
- Domestic Hot Water Offset
- Monobloc Design (No On-Site Refrigerant Charging)
- Keeps All Refrigerant Outside the Occupied Space
- Freeze Protection
- Low Amp Draw with Ultra Quiet Operation
- Modbus Compatible
- User Friendly Advanced Color Touch Screen Control (24ga shielded 5 wire. Can be remote mounted up to 600ft)
- Precision Temperature Control Platform
- Inverter Driven Fan Motors
- Eligible for Rebates
- **Industry Leading 10-Year Compressor Warranty & 5-Year Parts Warranty for Certified Contractors**

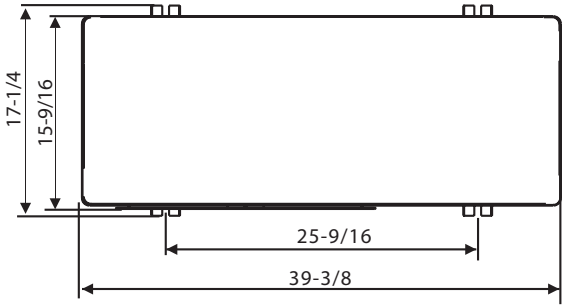


User friendly touch screen control allows for control outside by the unit or inside in the mechanical room.

ILAHP Dimensions (Inches)





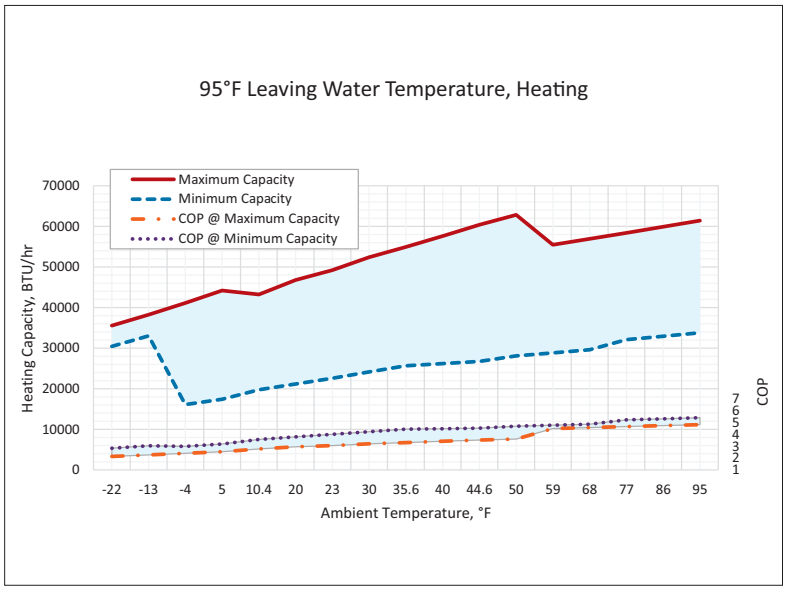


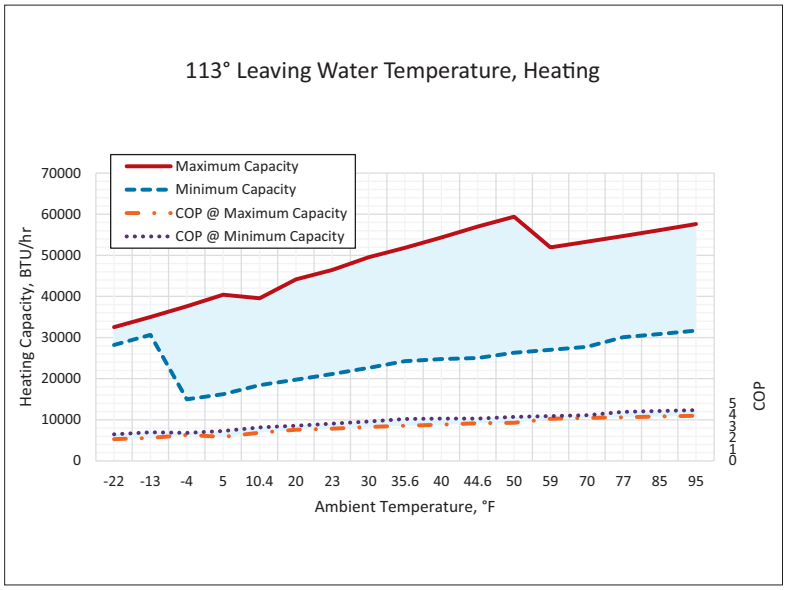
ILAHP Specifications

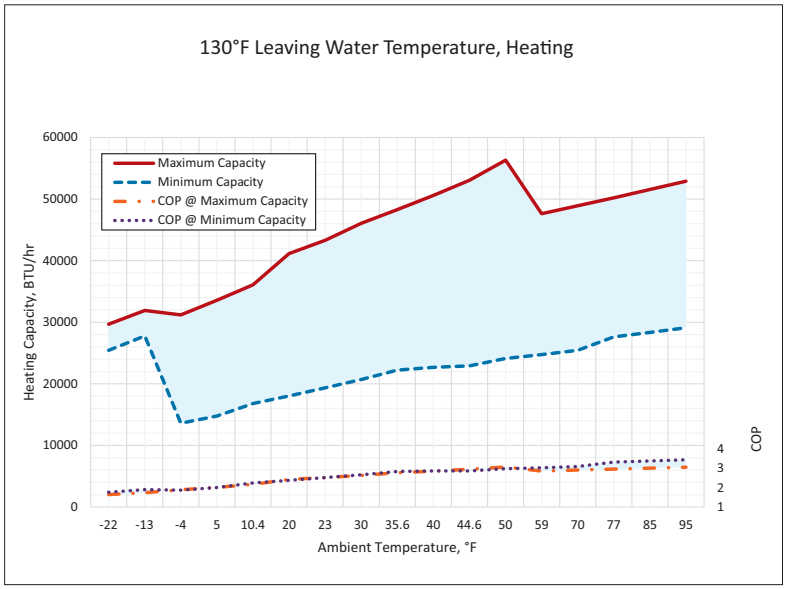
		Units	ILAHP
Cooling	Capacity Range	BTU/hr	24,226-63,466
	Efficiency Range	EER	7.26-10.41
	Efficiency	IPLV	18.4
	Delivered Water Temp Range	DegF	42-77
	Ambient Temp Range	DegF	5-109
Heating	Capacity Range	BTU/hr	15,354-63,807
	Efficiency Range	COP	1.64-5.41
	Delivered Water Temp Range	DegF	59-130
	Ambient Temp Range	DegF	-22 - 109
CEC Data	Cooling Capacity*	BTU/hr	45,424
	Cooling Efficiency*	EER	8.59
	Heating Capacity**	BTU/hr	53,214
	Heating Efficiency**	COP	2.78
	Heating Capacity***	BTU/hr	36903
	Heating Efficiency***	COP	1.82
Electrical	Power	V/Ph/Hz	230/1/60
	Fan Motor	A	.8 (2)
	Compressor Motor	A	30
	MCA	A	45
	MOPD	A	50
	SCCR	kA	10
Refrigerant	Type		R410a
	Factory Charge	lbs.	6.2
	Normal Pressure Low Side	PSIG	145
	Normal Pressure High Side	PSIG	435
Fan	Quantity		2
	Power Input	W	75
	Type		EC
	Max Speed	RPM	750
Sound (@3meters)	Range	dBA	47-57
Hydronic	Rated Flow	GPM	10
	Max Water Temp	DegF	130
	Piping Connections	inch	1-1/4 NPT
	Rated Pressure Drop	PSI (ft W.C.)	12.8 (29.5)
Compressor	Type		GMCC Rotary Inverter EVI
	Speed Range	HZ	30-90
	Quantity		1
Dimensions	Net Dimensions (L x W x H)	inch	39 x 16 x 52
	Shipping Dimensions (L x W x H)	inch	42 x 17 x 53
	Net Weight	lbs.	349
	Shipping Weight	lbs.	388

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

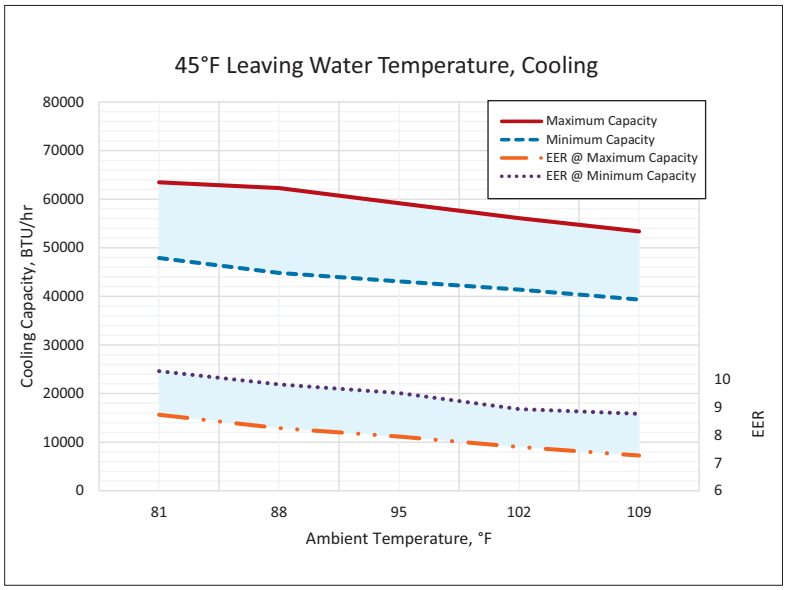
ILAHP Air-to-Water Heat Pumps modulate capacity based upon outlet water temperature. Temperatures shown above are delivered water temperature. Refer to the following performance charts to see the expected.

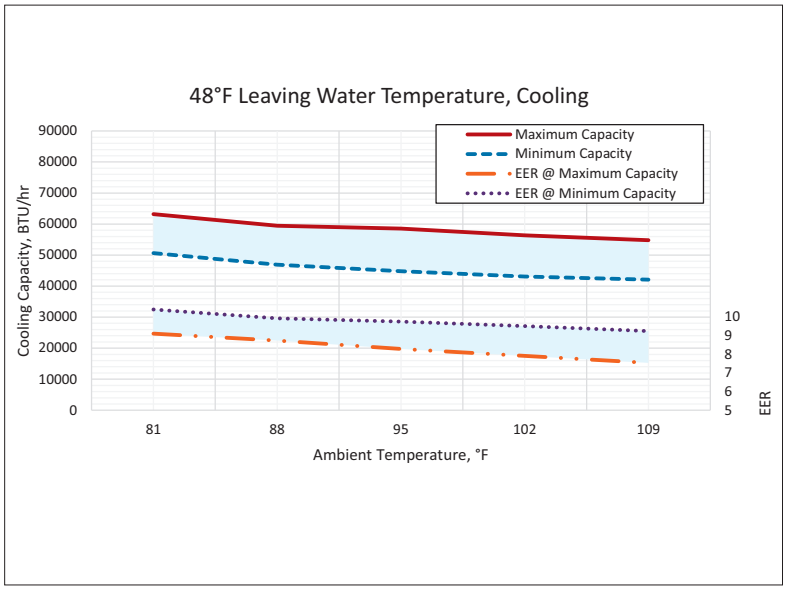






For capacity values that are not shown, please contact presalesupport@spacepak.com.


45°F Leaving Water Temperature, Cooling
Maximum Capacity
Minimum Capacity
EER @ Maximum Capacity
EER @ Minimum Capacity
Cooling Capacity, BTU/hr
80000
70000
60000
50000
40000
30000
20000
10000
0
10
9
8
7
6
EER
81
88
95
102
109
Ambient Temperature, °F


48°F Leaving Water Temperature, Cooling
Maximum Capacity
Minimum Capacity
EER @ Maximum Capacity
EER @ Minimum Capacity
Cooling Capacity, BTU/hr
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
10
9
8
7
6
5
EER
81
88
95
102
109
Ambient Temperature, °F

Solstice® Inverter Split

Air-to-Water Heat Pump - Cold Climate Performance

Utilizing industry proven Solstice technology, the Solstice Inverter Split (SIS) is a low ambient or "cold climate" air-source heat pump capable of extreme low ambient heating performance down to -20°F.

The split system design provides installers with the flexibility to reduce the use of glycol in the hydronic loop.

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 -20°F
- 42-130°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**

Outdoor Unit

Indoor Unit

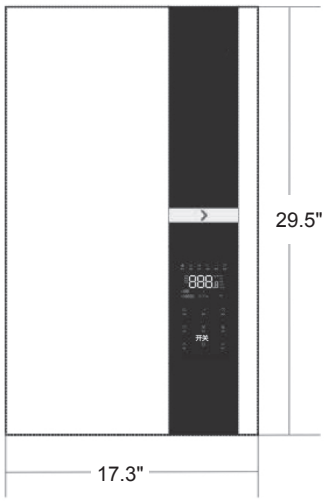
Click or Scan for Install Manual

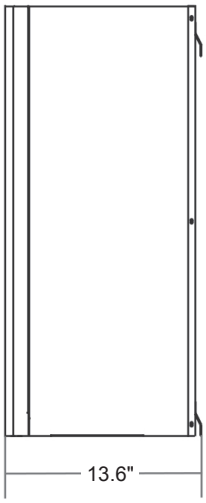
Units use inverter driven compressors with EVI technology for superior performance efficiency at temperatures as low as -20°F.

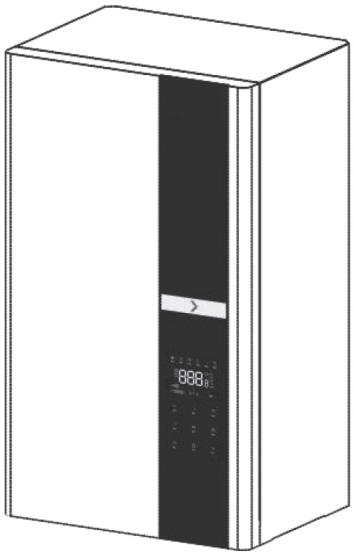
EC controlled modulating fan motors combined with high efficiency blade profile ensure quiet end efficient operation while exchanging energy with the outdoor air.

SIS Dimensions (Inches)

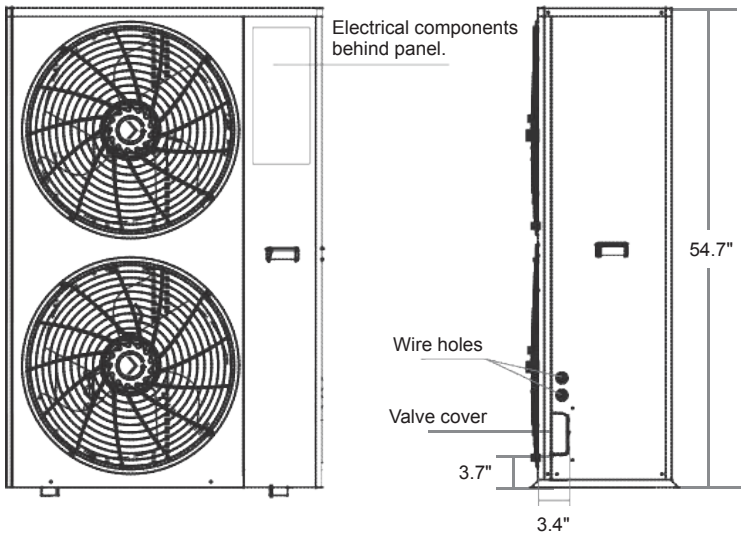
Indoor Unit

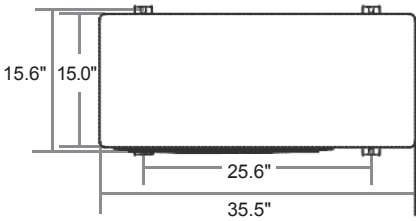






Outdoor Unit





SIS Specifications

solstice® HEAT PUMPS

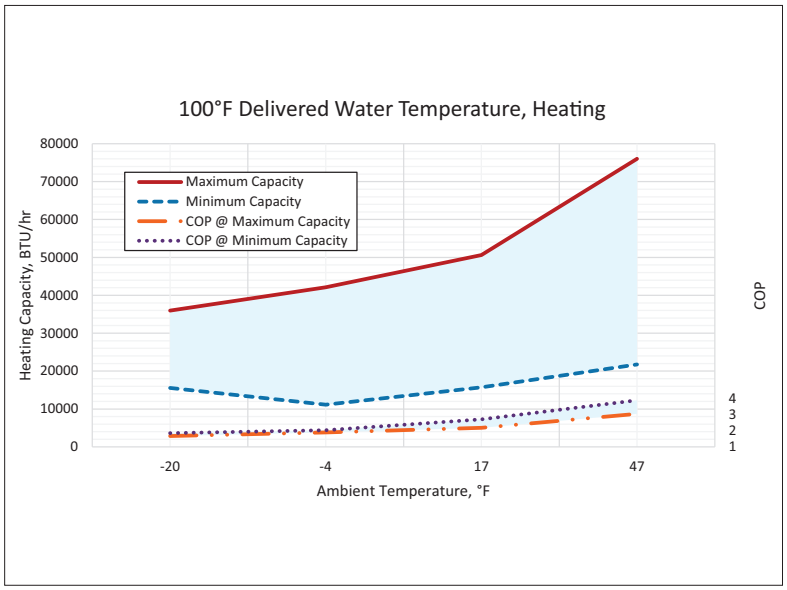
		Units	Outdoor	Indoor
Cooling	Capacity Range***	BTU/hr	30,000-62,400	
	Efficiency Range ***	EER	12.5	
	Efficiency ****	IPLV	17.14	
	Delivered Water Temp Range	DegF	60-130	
	Ambient Temp Range	DegF	50-109	
Heating	Capacity Range*	BTU/hr	20,473-71,574	
	Efficiency Range*	COP	Up to 3.09	
	Capacity Range**	BTU/hr	14,777-47,315	
	Efficiency Range**	COP	Up to 2.15	
	Delivered Water Temp Range	DegF	60-140	
	Ambient Temp Range	DegF	-20-90	
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
	Refrigeration Connection		3/8 & 5/8 Flare	
	Normal Pressure Low Side	PSIG	132	132
	Normal Pressure High Side	PSIG	409	409
Fan	Quantity		2	N/A
	Power Input	W	200 (x2)	N/A
	Type		EC	N/A
	Max Speed	RPM	700	N/A
Sound (@3meters)	Maximum	dBA	50	38
Hydronic	Rated Flow	GPM	12	
	Max Water Temp	DegF	130	
	Piping Connections	inch	N/A	1"
	Rated Pressure Drop	PSI (ft W.C.)	N/A	10.7/24.7
Compressor	Type		EC Controlled	N/A
	Speed Range	HZ	30-90	
	Quantity		1	N/A
Dimensions	Net Dimensions (L x W x H)	inch	35x15x55	17x14x30
	Shipping Dimensions (L x W x H)	inch	37x17x55	33x21x17
	Net Weight	lbs.	293	132
	Shipping Weight	lbs.	337	158

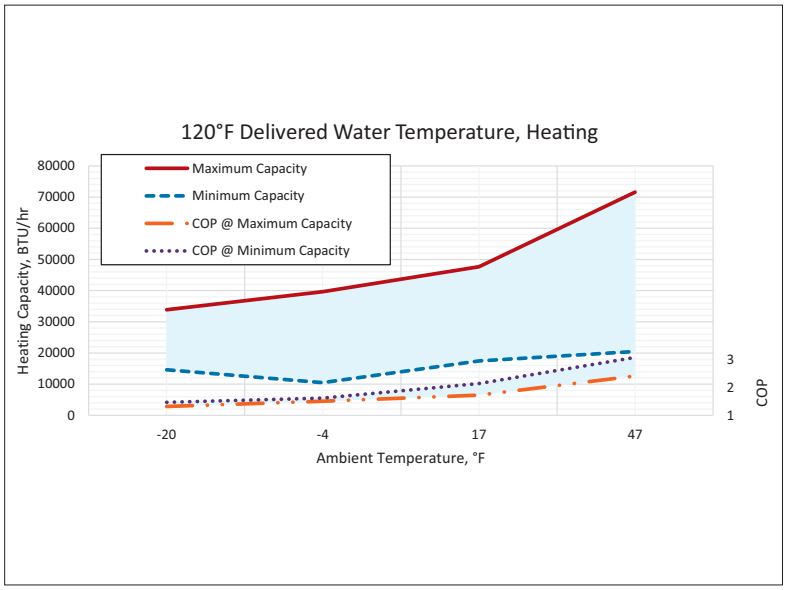
* Water Out - 120°F Ambient - 47°F, GPM-12
** Water Out - 120°F, Ambient - 17°F, GPM-12
*** Water Out - 45°F, Ambient (DB/WB)@ - 95°F/86°F, GPM-12

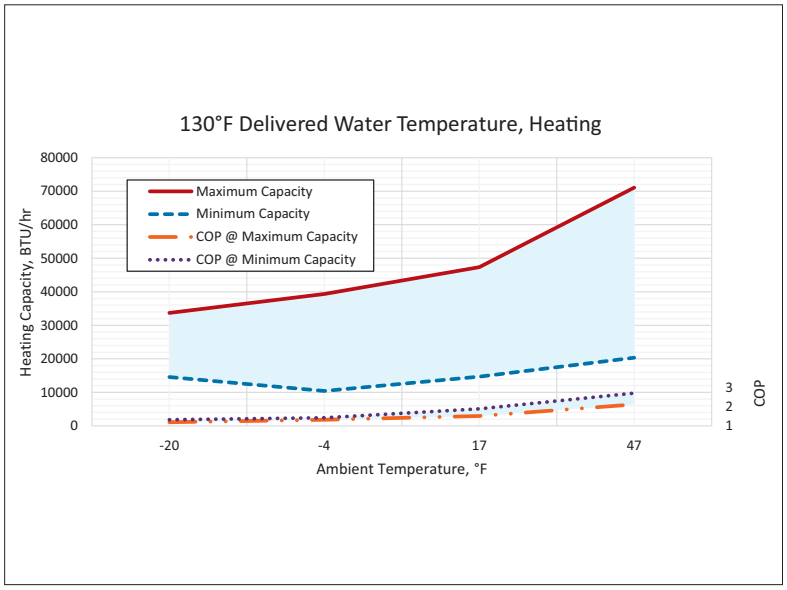
****IPLV is the recognized measurement of efficiency for Integrated Part Load Values in accordance with AHRI 550/590. Ambient Temp = 95°F. Delivered Water= 44°F (8.5GPM)
All Data based on pure water.

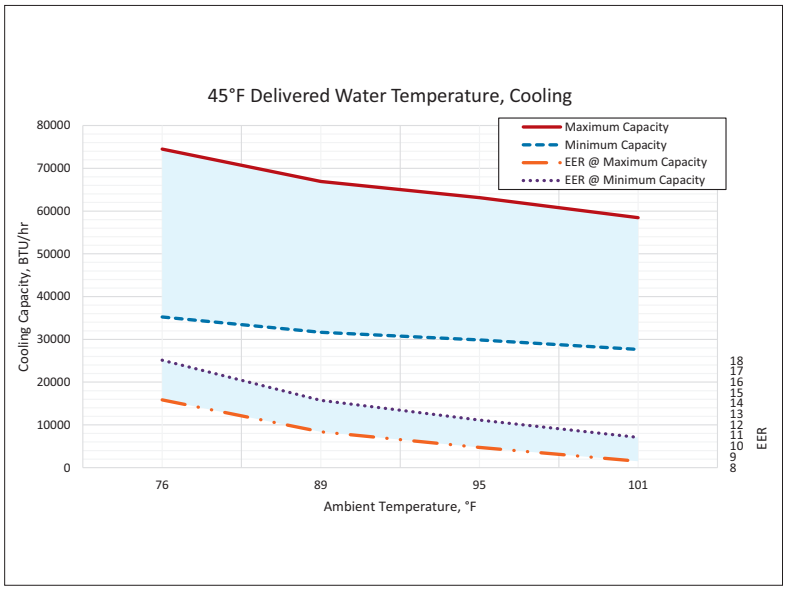
SIS Air-to-Water Heat Pumps modulate capacity based upon outlet water temperature. Temperatures shown above are delivered water temperature. Refer to the following performance charts to see the expected.

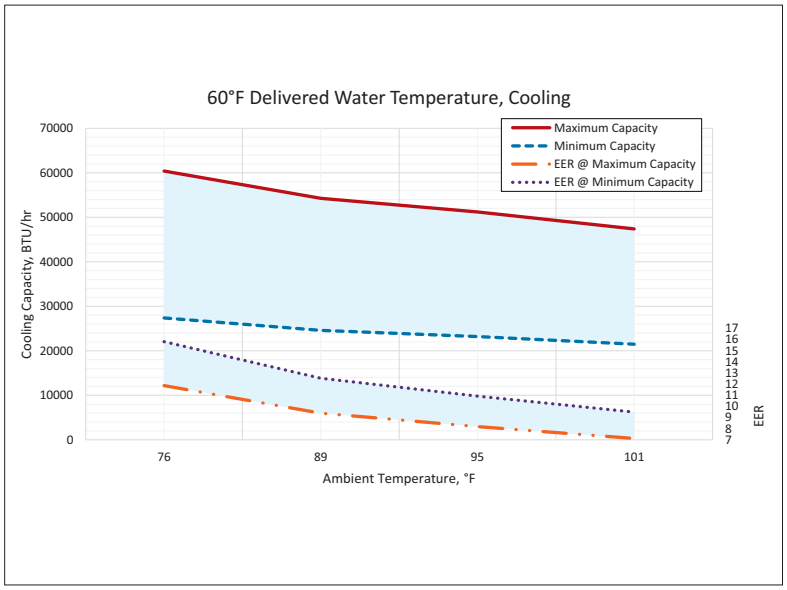
SGS C US


100°F Delivered Water Temperature, Heating
Heating Capacity, BTU/hr
80000
70000
60000
50000
40000
30000
20000
10000
0
Maximum Capacity
Minimum Capacity
COP @ Maximum Capacity
COP @ Minimum Capacity
-20
-4
17
47
Ambient Temperature, °F
COP
4
3
2
1


120°F Delivered Water Temperature, Heating
Heating Capacity, BTU/hr
80000
70000
60000
50000
40000
30000
20000
10000
0
Maximum Capacity
Minimum Capacity
COP @ Maximum Capacity
COP @ Minimum Capacity
-20
-4
17
47
Ambient Temperature, °F
COP
3
2
1


130°F Delivered Water Temperature, Heating
Heating Capacity, BTU/hr
80000
70000
60000
50000
40000
30000
20000
10000
0
Maximum Capacity
Minimum Capacity
COP @ Maximum Capacity
COP @ Minimum Capacity
-20
-4
17
47
Ambient Temperature, °F
COP
3
2
1


45°F Delivered Water Temperature, Cooling
Maximum Capacity
Minimum Capacity
EER @ Maximum Capacity
EER @ Minimum Capacity
Cooling Capacity, BTU/hr
80000
70000
60000
50000
40000
30000
20000
10000
0
18
17
16
15
14
13
12
11
10
9
8
EER
76
89
95
101
Ambient Temperature, °F


60°F Delivered Water Temperature, Cooling
Maximum Capacity
Minimum Capacity
EER @ Maximum Capacity
EER @ Minimum Capacity
Cooling Capacity, BTU/hr
70000
60000
50000
40000
30000
20000
10000
0
17
16
15
14
13
12
11
10
9
8
7
EER
76
89
95
101
Ambient Temperature, °F

J Series Hydronic Air Handler

Horizontal/Vertical Hydronic Fan Coil Units
Small Duct High Velocity System

Our compact air handling unit is small enough to fit in a closet, attic, basement, or crawlspace yet powerful enough to deliver the level of cooling or heating needed by even the largest of homes.

Perfect for retrofits, historic homes, new construction, and unique applications, our small duct high velocity system is a non-intrusive solution that preserves aesthetics and architectural integrity and delivers superior indoor comfort.

Features and Benefits

- J+ Advanced Control with digital display
- High Efficiency EC Integrated Motor/Blower Assembly
- 230V Standard Configuration Optional 115V Conversion
- 6-Row Copper/Aluminum Evaporator Coil
- Industry Leading Corrosion Resistant Cabinet
- Primary Drain Pan w/Integrated Float Switch
- Anti-Vibration Foam Strips
- Condensate Trap
- Slide out Blower
- 24 V 50/60hz Transformer
- Sweat-Type Connections
- Easily Zoned
- 5-Year Warranty for Certified Contractors

Pre-insulated two-inch flexible ducts can weave through existing walls, ceilings, and floors for discreet, nearly invisible installations that seamlessly blend with any decor.

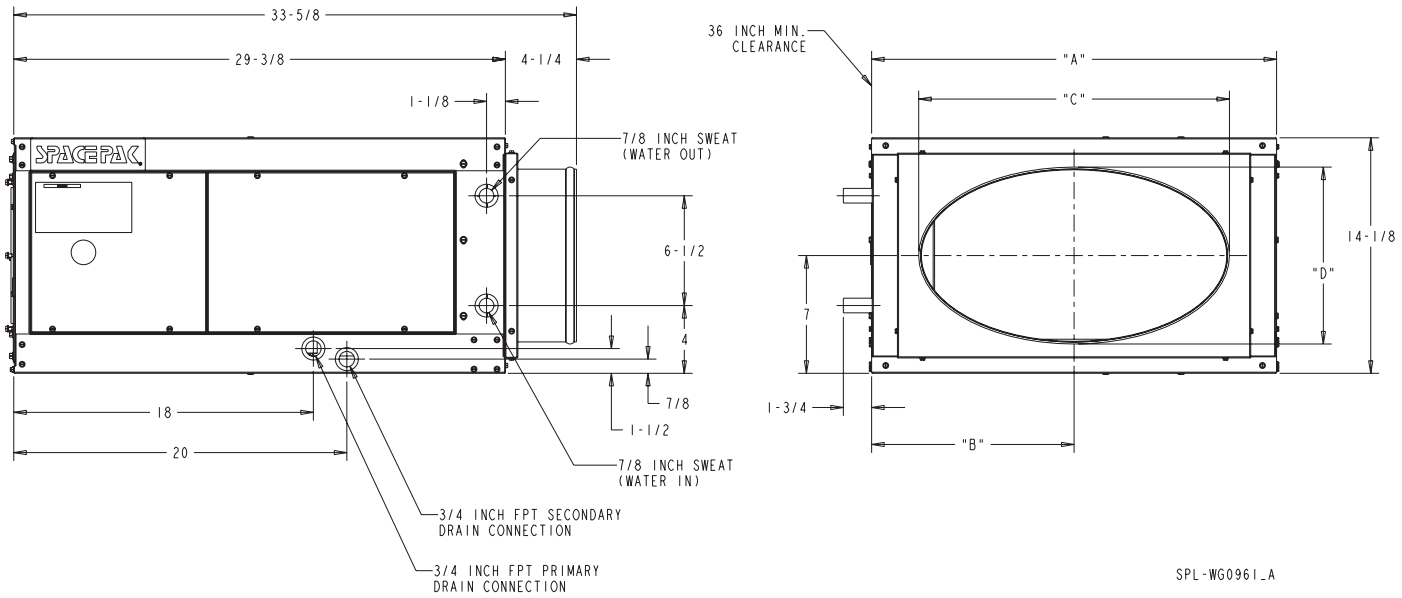
WCSP Specifications

Model	Nominal System Capacity		Std. CFM @ 1.2" W.C.	F.L. Amps (115V/230V)	Motor HP	Connections (CTS)	
	Nom. Tons*	Heating MBH**				Water In Line	Water Out Line
WCSP-2430J/V	2	24	440	5.6/2.8	3/4	7/8"	7/8"
	2-1/2	30	550				
WCSP-3642J/V	3	36	660	7.6/4	3/4	7/8"	7/8"
	3-1/2	42	850				
WCSP-4860J/V	4	48	880	10.6/5.4	3/4	7/8"	7/8"
	5	60	1150				

* Capacities based on 45°F entering water temperature at 5 G.P.M.
** 120°F delivered water temperature at 8.8GPM

Intertek

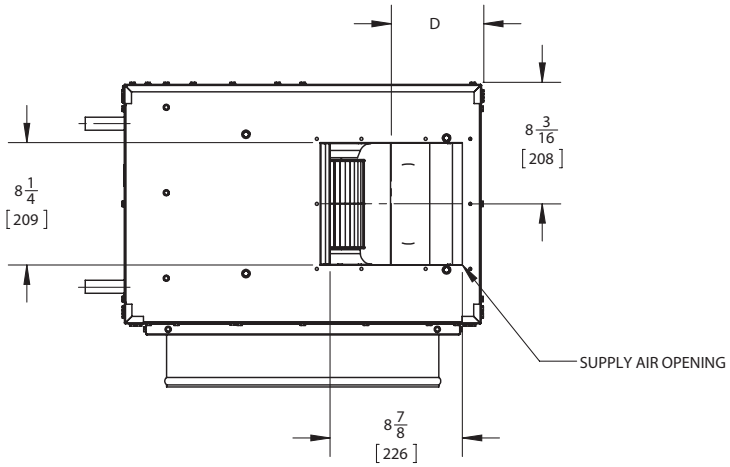
WCSP-JH Dimensional Data (Inches)

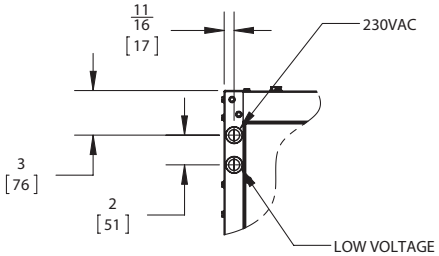


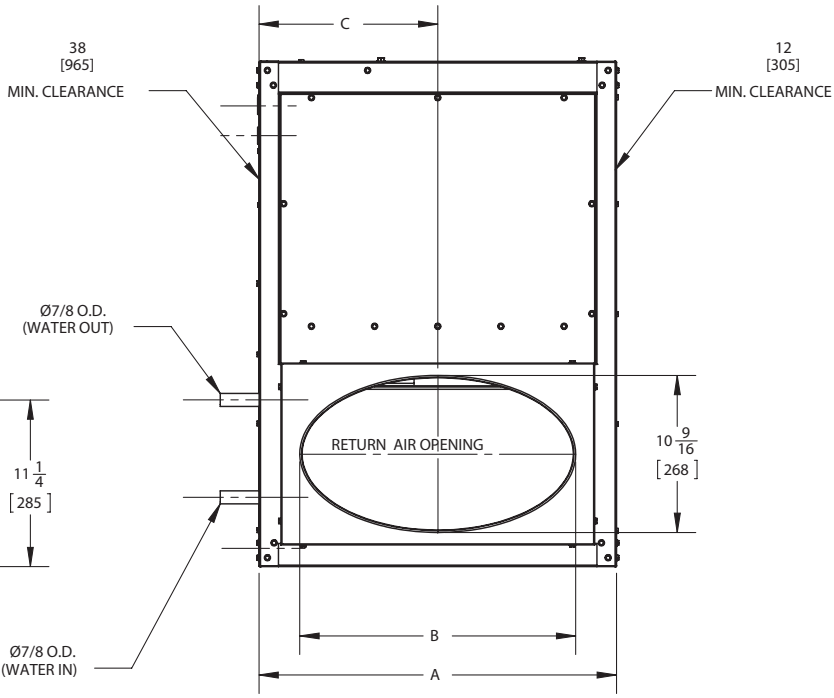
MODEL	A	B	C	D
WCSP-2430J	24-1/4"	12"	18-1/2"	10-1/2"
WCSP-3642J	33-1/4"	16-1/2"	25-3/4"	10"
WCSP-4860J	43-1/4"	21-1/2"	34-1/4"	10-1/4"

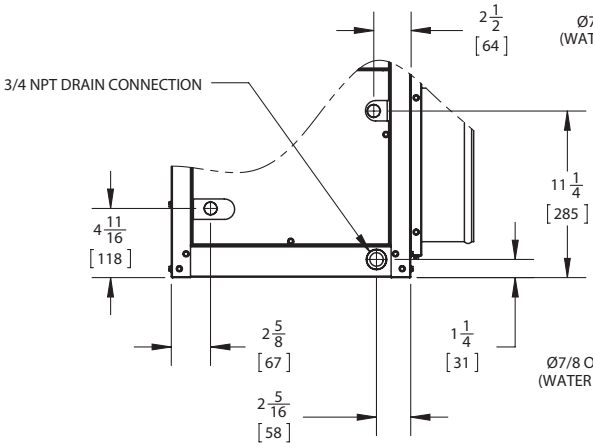
WCSP-JV Dimensional Data (Inches)

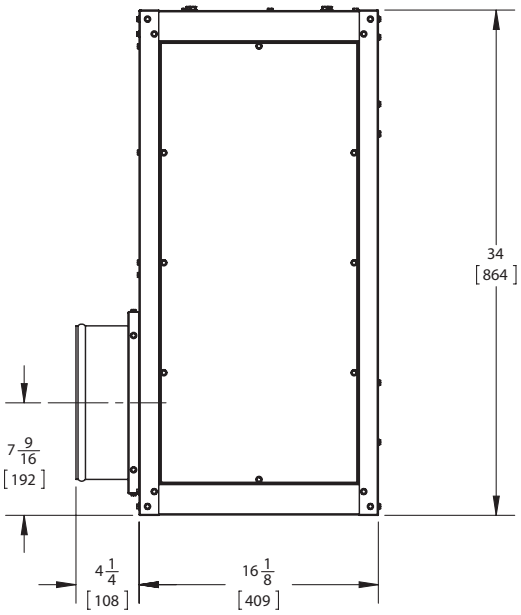
MODEL	A	B	C	D
WCSP-2430 (V)	24-3/8" [619]	18-1/4" [464]	12-3/16" [310]	6-1/16" [154]
WCSP-3642 (V)	33-3/8" [848]	25-1/2" [648]	16-11/16" [424]	15-1/4" [387]
WCSP-4860 (V)	43-3/8" [1102]	38-7/8" [987]	21-11/16" [551]	21-7/8" [556]











SPL-WG0996_A

Buffer Tanks

Hydraulic Separation and Thermal Storage

Hydronic buffer tanks are used as both hydraulic separators and hydronic buffer tanks. As a hydraulic separator, buffer tanks separate the energy source loop (heat pump/boiler) from the hydronic flow in the distribution system (air handlers/emitters). Hydraulic separation is used primarily in systems where flow rates from the source to the distribution vary or with applications utilizing variable speed pumps. The heating or cooling source can be hydraulically decoupled from the distribution system.

Buffer tanks are used as hydronic buffer tanks in systems having several low BTU cooling or heating loads calling at different times or systems operating below the design load condition.

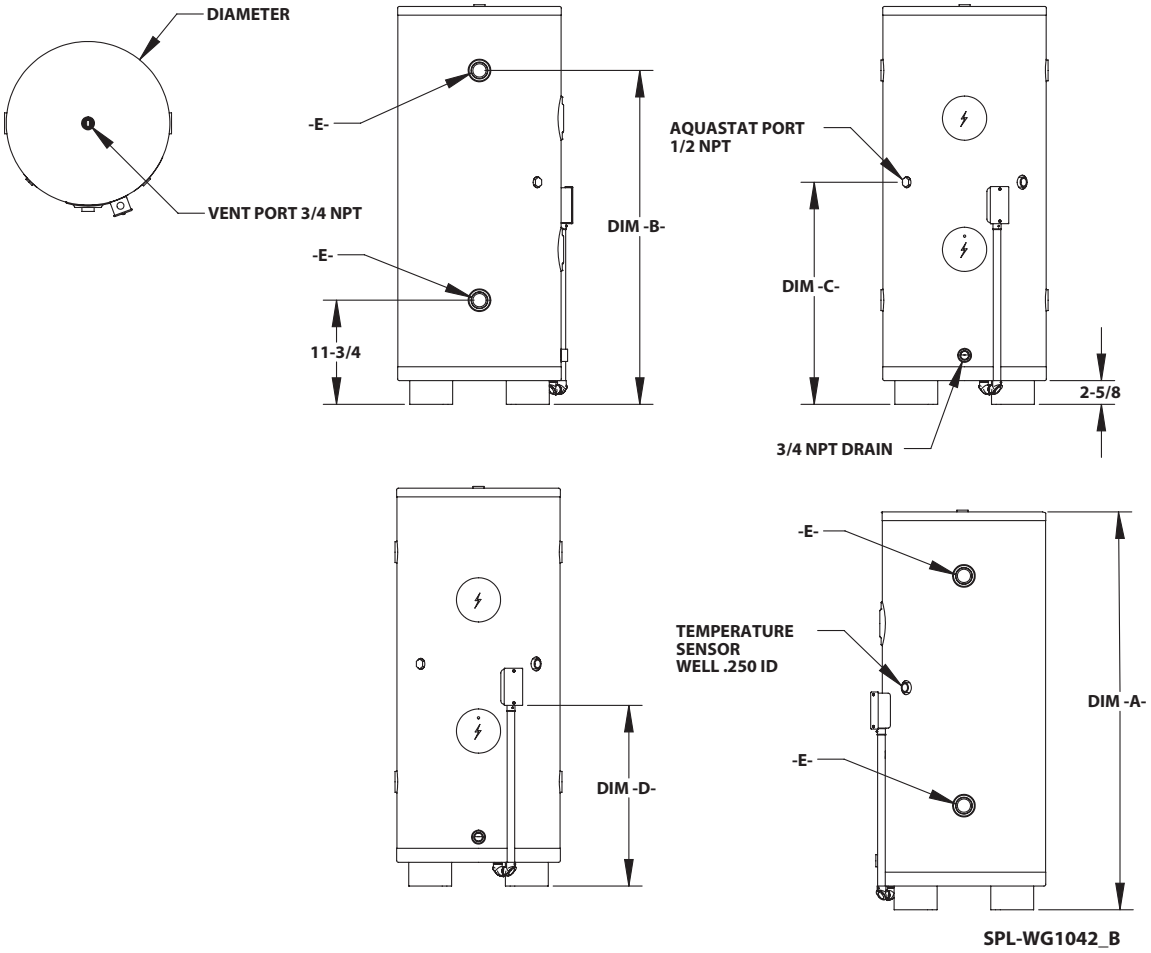
Buffer tanks store the additional system volume and energy currently not utilized by the system for use on additional calls for heat leading to more efficient system performance and longer equipment life.

There are four piping connections built into the buffer tank units (1½" NPT on BT-13-H, BT26-H and BT40-H, 2" NPT on BT80-H). Two connections can be piped to the distribution system.

Features and Benefits

- For Hot and Chilled Water
- Encouraged for Most Systems Using SpacePak Solstice Heat Pumps
- Offered in 13-, 26-, 40-, and 80-Gallon Capacities
- Inner Tank 304 Stainless, Outer Galvanized Steel Jacket
- Polyurethane Resin Foam with R12 Insulation Valve
- Four-Port Open Tank Design
- Electric Elements Standard
- Standard 10-Year Warranty

BT Dimensions



BT Specifications

		BT13-H	BT26-H	BT40-H	BT80-H
Dimensions	Diameter	18-1/2"	18-1/2"	18-1/2"	23-5/8"
	A	29-1/6"	45"	60"	64-1/8"
	B	21-1/2"	37-3/4"	52-3/4"	55-1/2"
	C	19-5/8"	25 1/8"	34-1/8"	34-5/8"
	D	16-1/2"	20-1/2"	26-5/8"	32-1/2"
Port Diameter NPT	E	1-1/2"	1-1/2"	1-1/2"	2"
Capacity	US Gal	13	26	40	80
Max Water Flow	GPM	36	36	36	48
Ship Weight	lbs	40	84	104	130
Empty Weight	lbs	38	77	97	125
Full Weight	lbs	148	304	446	805
Min Circuit Ampacity	Amps	15	30	30	30
Max Working Pressure	P.S.I.	100			
Electric Heat Capacity	kW	3	6	6	6

*Not suitable for potable water

HighWall Fan Coil Low Temperature

Hydronic Heating and Cooling

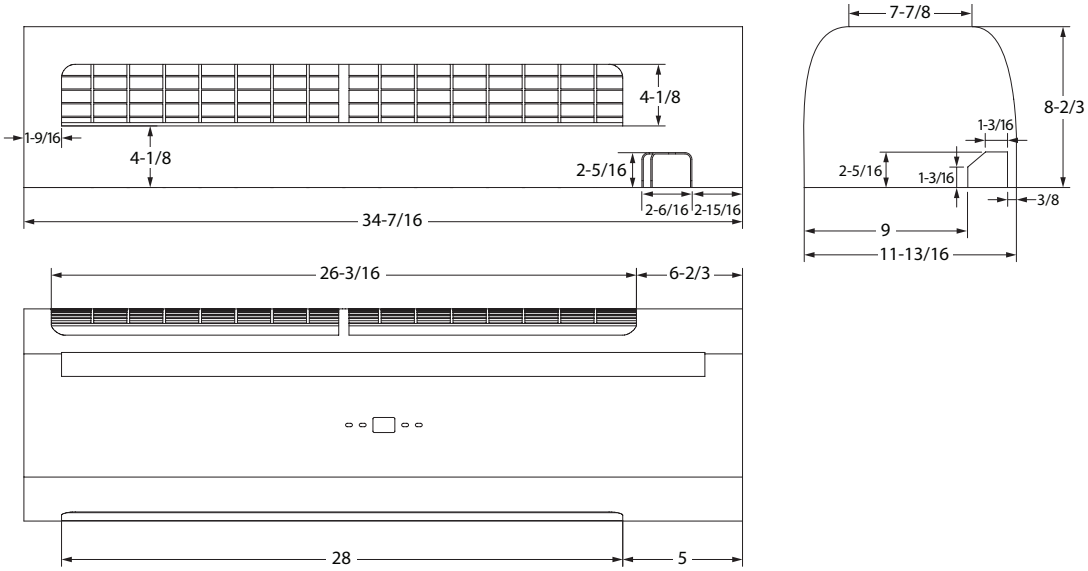
HighWall fan coils are the perfect indoor complement to our Solstice heat pumps. HighWall fan coils provide optimum heating and cooling in one classic design. HighWall fan coils are designed for higher volume flow for primary heating in colder climates.

All HighWall fan coils feature high efficiency EC motors with step-less speed modulation which operate from 50-70% more efficient than traditional on/off motors.

Features and Benefits

- Heating / Cooling Operation
- Hydronic Based - No Refrigerant
- High Efficiency EC Motor with Step-Less Speed Modulation
- Auto-Swing Damper for Uniform Air Distribution
- Whisper Quiet Operation (33-58 dB)
- Stainless Steel Flexible Hose Connections
- LED Display / Remote Control
- Equipped with Condensate Drip Pans for Use in Chilled-Water Cooling Applications
- 5-Year Warranty for Certified Contractors

HW Dimensions (Inches)



HW Specifications

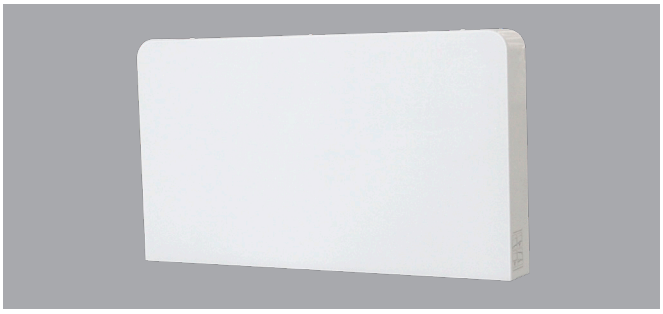
Model	Output (BTU/hr)						Dimensional Data			Ship Wt. (lbs)
	Heating			Cooling						
	Entering Water Temperature									
	120°F	140°F	160°F*	45°F	47°F	50°F	Length	Width	Height	
HW-06-ECM	7721	10832	13961	6968	6151	4866	34-7/16"	8-2/3"	11-13/16"	28
HW-15-ECM	11302	15856	20436	10199	9011	7136				30
HW-18-ECM	13952	19572	25227	12590	11132	8813				32

* 160°F is max water temp. Applying higher can cause damage to unit.

Intertek

ThinWall Fan Coil Low Temperature

Hydronic Heating and Cooling



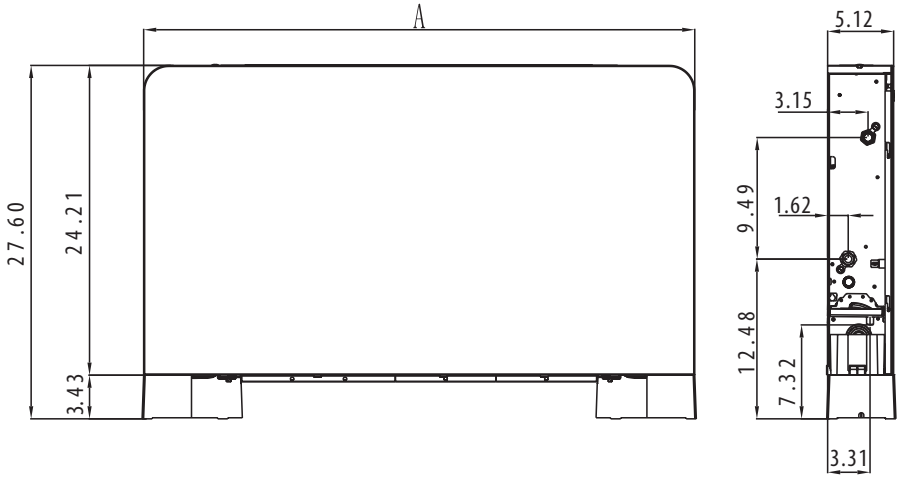
ThinWall fan coils are the ultra-sleek alternative to HighWall fan coils or can be used in conjunction with a HighWall unit for optimum flexibility.

Perfectly conditioned air is quietly distributed through a cross-flow blower configuration with integrated air-guiding technology. ThinWall units offer versatility for both heating and cooling while operating up to 30% more efficient than traditional emitters.

Features and Benefits

- Heating / Cooling Operation
- Hydronic Based - No Refrigerant
- Tempered Glass Front with Touch Screen Display
- Whisper Quiet, Modern Space-Saving Design
- Cross-Flow Blower Configuration with Integrated Airguiding Technology
- ECM Blower
- Remote Control
- Equipped with Condensate Drip Pans for Use in Chilled-Water Cooling Applications
- 5-Year Warranty for Certified Contractors

HTW Dimensions (Inches)



Unit Model	HTW-87	HTW-135	HTW-196
A(inch)	27.36	35.24	43.11

HTW Specifications

Model	Output (BTU/hr)						Dimensional Data			Ship Wt. (lbs)
	Heating			Cooling						
	Entering Water Temperature									
	120°F	140°F	160°F*	45°F	48°F	50°F	Length	Width	Height	
HTW-87	4600	6936	8700	3400	2846	2505	28"	5-1/4"	24-1/4"	41
HTW-135	8500	10710	13500	6500	5442	4789	35.25"			52
HTW-196	11400	15606	19600	8500	7116	6262	43"			60

* 160°F is max water temp. Applying higher can cause damage to unit.

Intertek

SSIC

Control

The SpacePak System Interface Control (SSIC) takes inputs from up to five air handlers and outputs the system signals to the chiller, boiler and heat pump. Air Handlers receive their calls from their respective thermostats and outputs a heating or cooling call to the SSIC. Based on these demands, the SSIC determines how to operate the system.

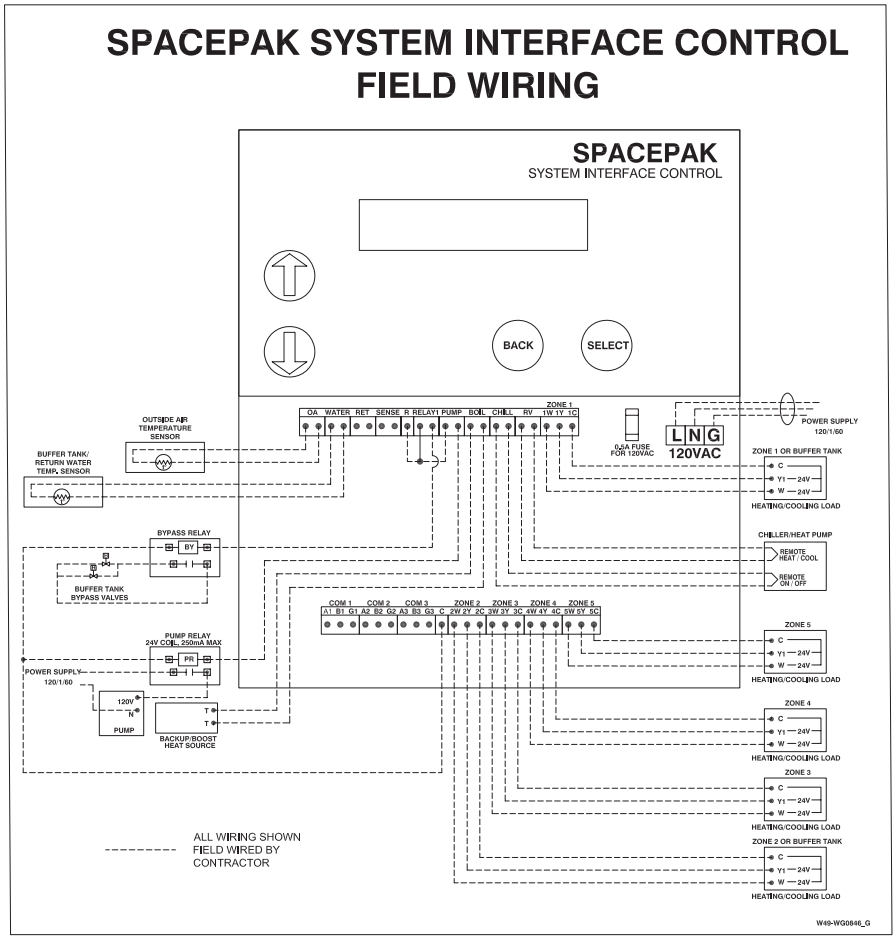
SSIC Manual

Click or Scan for Install Manual

Features and Benefits

- Outdoor Air Temperature Sensor
- Water Temperature Sensor
- Buffer Tank Sensor
- On Site USB Upgradeable
- Backup Heat/Boiler Help Mode
- Outdoor Switchover
- Maintain Buffer Tank Temperature
- Backup Heat Control and Staging
- Heat Pump Staging and Rotation*
- Outdoor Reset Curve*

* Coming Soon



Training, Sales Support & Warranty

SpacePak Offers Factory Authorized Trainings for Certification on:

- Small Duct High Velocity Equipment
- Air-to-Water Heat Pump & Hydronic Equipment

Certification Training Methods:

- Online Webinar Training
- Local Field Training
- Corporate Headquarter Factory Training

Benefits of Becoming a SpacePak Certified Contractor:

- Local Leads
- Listed on SpacePak Website
- Pre-Sale Application Support and Load Calculations
- Marketing Support
- Extended Warranty

Extended Warranty for SpacePak Certified Contractors as Follows:

- **Inverter Air-to-Water Heat Pumps**
  Five (5) year parts and a ten (10) year compressor warranty
- **Small Duct High Velocity, Hydronic Fan Coils and Associated Equipment**
  Five (5) year parts warranty
- **Buffer Tanks**
  Standard Ten (10) year warranty

To Be Eligible for Extended Warranties:

- Project/equipment must be registered via the Product Registration portal on the SpacePak website.
- Installation must have been performed by a SpacePak Certified Contractor in good standing at the time of installation.

For inquiries regarding training sessions, sales, and product support contact your local SpacePak Manufacturer's Representative!

SPACE PAK®

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