

Inverter Split Air-to-Water Heat Pump

STANDARD FEATURES

- Reliable Panasonic EVI Inverter Compressor
- User friendly touch screen controller
- Modulating fans
- Simple piping similar to wall hung boilers
- Heating performance down to -20°F
- Units shipped with 35' lineset and control cable for ease of installation
- Designed for high performance in all temp ranges



| | | 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 | Deg F | 41-130 | |
| 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



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: 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 |