

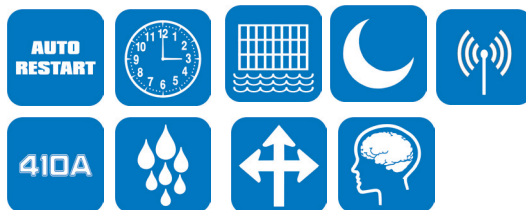
Through The Wall Units



Thermal Zone Through the Wall units are designed with a universal fit for easy replacement and fits most major brand sleeves.

FEATURES

- Multiple Functions - Cooling, Dehumidifying & Fan Ventilation
- Installation Kit with Expandable Side Panels
- Retracting Louvers



Optional Wall Sleeves Available -
See bottom of page for part #

Electrical Requirements



NEMA 5-15A
115 VOLT
15 AMP



NEMA 6 - 15P
230 VOLT
15 AMP



NEMA 6 - 20P
230 VOLT
20 AMP



NEMA 6 - 30P
230 VOLT
25 AMP



| Model Number | STW48AYRE | STW410AYRE | STW410AZE | STW412AYRE |
|---|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Product Code | 423-0105 | 423-0106 | 423-0108 | 423-0107 |
| Power Source Rated Voltage (VAC) | 115 | 115 | 208/230 | 115 |
| Rated Frequency (HZ) | 60 | 60 | 60 | 60 |
| Phase | 1 | 1 | 1 | 1 |
| Cooling Capacity (BTU/H) | 8000 | 10,000 | 10,000 | 12,000 |
| Heating Capacity (BTU/H) | N/A | N/A | N/A | N/A |
| Set Point Min./Max. (Cool and Heat) | 62°F / 86°F | 62°F / 86°F | 62°F / 86°F | 62°F / 86°F |
| Cooling Power Input (W) | 754 | 943 | 924/943 | 1142 |
| Cooling Power Current (A) | 7 | 8.3 | 4.8/4.5 | 10 |
| Air Flow Volume (CFM) (H/M/L) | 270/235/202 | 269/235/203 | 275/240/209 | 286/264/240 |
| Dehumidifying Volume (PINTS/DAY) | 50.4 | 57.6 | 26.4 | 60 |
| EER (BTU/WH) | 10.6 | 10.6 | 10.6 | 10.5 |
| Permissible Excess Operating Pressure for the Liquid | 520 | 520 | 520 | 520 |
| Permissible Excess Operating pressure for the Suction | 300 | 300 | 300 | 300 |
| Dimension (INCHES) (WXHXD) | 24 3/16" x 14 1/2" x 20 1/4" | 24 3/16" x 14 1/2" x 20 1/4" | 24 3/16" x 14 1/2" x 20 1/4" | 24 3/16" x 14 1/2" x 20 1/4" |
| Net Weight (LBS) Net Weight | 64.9 | 68.2 | 69.3 | 75.9 |
| Gross Weight (LBS) Gross Weight | 75.9 | 79.9 | 80.3 | 86.9 |
| Refrigerant | R410A | R410A | R410A | R410A |
| Refrigerant Charge (LBS) | 17.64 oz | 20.81 oz | 21.87 oz | 21.87 oz |
| Fan Type | Centrifugal | Centrifugal | Centrifugal | Centrifugal |
| Evaporator Form | Aluminum Fin | Aluminum Fin | Aluminum Fin | Aluminum Fin |
| Sound Pressure Level | 56.8/53.7/51.8 | 57.4/55.1/53.1 | 58.4/56.1/54.1 | 60.5/59.1/56.5 |
| Throttling Method | Capillary | Capillary | Capillary | Capillary |
| Indoor Operation Temp | 62°F~90°F (17°C-32°C) | 62°F~90°F (17°C-32°C) | 62°F~90°F (17°C-32°C) | 62°F~90°F (17°C-32°C) |
| Ambient Temp (Cooling) | 64°F~109°F (18°C-43°C) | 64-109 °F | 64-109 °F | 64-109 °F |
| Fan Type | Axial-flow | Axial-flow | Axial-flow | Axial-flow |
| Sound Pressure Level | 65.7/60.3/56.3 | 66.8/64/61.5 | 66.8/64/61.5 | 68.5/66.7/64.4 |
| Breaker Size | 15 AMPS | 15 AMPS | 15 AMPS | 15 AMPS |
| Wall Sleeve 26" (optional) | 423-0050 | 423-0050 | 423-0050 | 423-0050 |
| Certifications | cULus/Energy Star/AHAM | cULus/Energy Star/AHAM | cULus/Energy Star/AHAM | cULus/Energy Star/AHAM |

Through The Wall Units

Wall Sleeve Dimensions

423-0050 - 25 1/2" W x 17 1/2" D x 15 1/4" H

423-0020 - 26" W x 16 3/4" D x 16 3/4" H



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| Model Number | STW412AEZRB | STW412AZ | STW412HPZRB |
|---|------------------------------|-----------------------------|-----------------------------|
| Product Code | 423-0104 | 423-0013 | 423-0103 |
| Power Source Rated Voltage (VAC) | 208/230 | 208/230 | 208 / 230 |
| Rated Frequency (HZ) | 60 | 60 | 60 Hz |
| Phase | 1 | 1 | 1 |
| Cooling Capacity (BTU/H) | 12000/11700 | 11400/11800 | 11700 / 11500 |
| Heating Capacity (BTU/H) | 8600/10600 (Electric heater) | N/A | 11400 / 11200 |
| Set Point Min./Max. (Cool and Heat) | 62°F / 86°F | 61°F / 86°F | 64 - 109 °F |
| Cooling Power Input (W) | 1263/1232 | 1200/1160 | 1200 / 1 220 |
| Heating Power Input (W) (HP) | 3450/ 2821 | N/A | 1140 / 1160 |
| Electric Heater (W) | 3450/ 2821 | N/A | 2900 / 3500 |
| Cooling Power Current (A) | 5.5/5.9 | 5.6/6.0 | 6.1 / 5.6 |
| Heating Power Current (A) | 15/13.5 | N/A | 5.9 / 5.4 |
| Rated Input (W) (Cool / Heat) (Max Power Input) | 1780 | 1500 | 1500 |
| Rated Current (A) (Cool / Heat) (Max Power Input) | 7.9 | 8.1 | 8 |
| Air Flow Volume (CFM) (H/M/L) | 286/264/240 | 283/259/235 | 288 / 265 / 244 |
| Dehumidifying Volume (PINTS/DAY) | 60.9 | 81 | 84 |
| EER (BTU/WH) | 9.5 | 9.8 | 9.6 |
| COP | N/A | N/A | 9.9 |
| Application Area (FT2) | 450-550 | 450-550 | 172 - 258 |
| Permissible Excessive Operating Pressure for the Liquid Side | 520 | 551 PSIG | 551 PSIG |
| Permissible Excessive Operating pressure for the Suction Side | 300 | 174 PSIG | 174 PSIG |
| Dimension (INCHES) (WXHXD) | 24 3/16" x 14 1/2" x 20 1/4" | 24 1/2" X 14 1/2" X 16 1/8" | 24 1/2" X 14 1/2" X 16 1/8" |
| Net Weight (LBS) Net Weight | 78.1 | 86 | 86 |
| Gross Weight (LBS) Gross Weight | 89.1 | 103.6 | 99 |
| Refrigerant | R410A | R410A | R410A |
| Refrigerant Charge (LBS) | 1.06 | 1.39 | 29.98 oz |
| INDOOR SIDE | | | |
| Fan Type | Centrifugal | Centrifugal | Centrifugal |
| Fan Motor Speed (H/M/L) | 864/811/747 | 1070/1000/920 | 1070 / 1000 / 920 |
| Output of Fan Motor (W) | | 30 | 30 |
| Evaporator Form | Aluminum Fin-copper | Aluminum Fin-copper | Aluminum Fin-copper |
| Sound Pressure Level dB (A) [H/M/L] | 60.5/59.1/56.5 | 58/56/54 | 59 / 57 / 55 |
| OUTDOOR SIDE | | | |
| Compressor Manufacturer/ | GMCC | Rechi | Highly (Rotary) |
| L.R.A. (A) | 27 | 29.5 | 30 |
| Compressor RLA (A) | 4.05 | 5 | 5.1 |
| Compressor Pwr Input (W) | 855 | 1125 | 1090 |
| Throttling Method | Capillary | Capillary | Capillary |
| Indoor Operation Temp | 62°F~90°F (17°C-32°C) | 64°F~86°F (18°C-30°C) | 64°F~86°F (16°C-30°C) |
| Ambient Temp (Cooling) | 64°F~109°F(18°C-43°C) | 64°F~109°F(18°C-43°C) | 64°F~86°F (18°C-30°C) |
| Ambient Temp (Heating) | 18-43/-5-24 C | | 19°F~86°F |
| Condenser Form | Aluminum Fin Copper | Aluminum Fin Copper | Aluminum Fin Copper |
| Fan Motor Speed (RPM) | 1420 / 1320 / 1220 | 1600 | 1600 |
| Fan Type | Axial-fan | Axial-fan | Axial-fan |
| Sound Power Level dB (A) [H/M/L] | 60/58/55 | 66/64/62 | 69 / 67 / 65 |
| Breaker Size | 20 AMPS | 15 AMPS | 20 AMPS |
| Wall Sleeve 26" (optional) | 423-0050 | 423-0020 | 423-0020 |