

# 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
<b>INDOOR SIDE</b>			
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
<b>OUTDOOR SIDE</b>			
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
<b>Wall Sleeve 26" (optional)</b>	<b>423-0050</b>	<b>423-0020</b>	<b>423-0020</b>