IRP

International
Refrigeration Products

2012
Equipment Catalog

Mini Splits, Multi Zones, PTAC's, Window Air Conditioners,
Portable Air Conditioners, TTW Air Conditioners, Dehumdifiers, & Accessories

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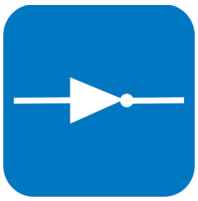


Inverter

Auto Restart

410A

3 Speed Fan

Keypad Lock

Self Diagnosing

Clock Timer

Wireless Remote

Dehumidification

Air Sweep

Sleep Mode

Quiet

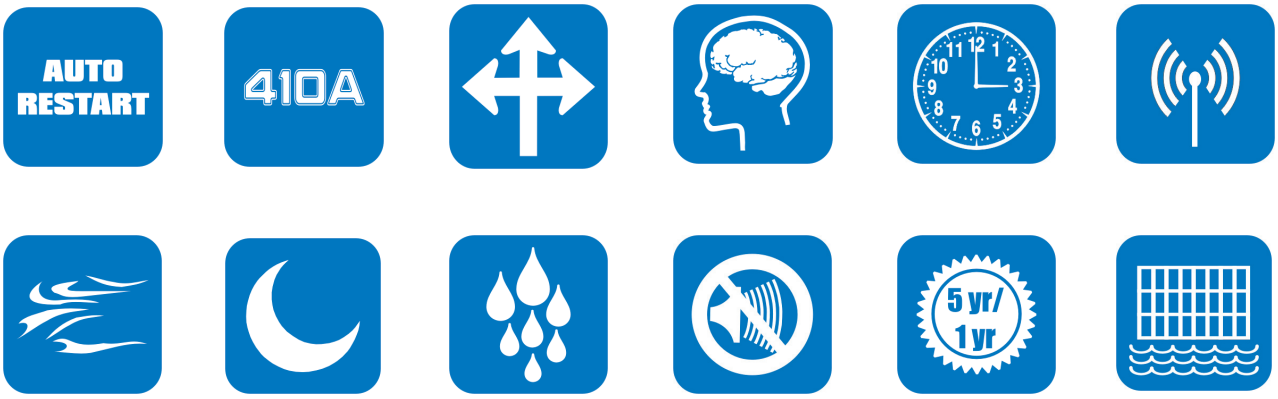
5 Year On Compressor
1 Year On Parts

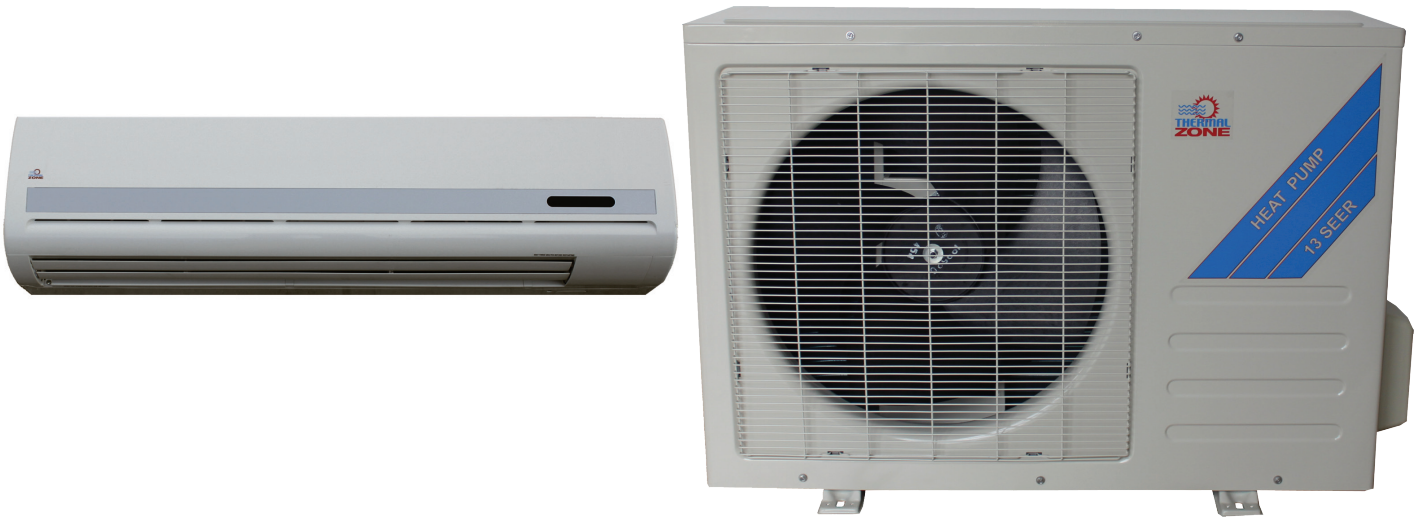
Washable Filter

Some product specifications subject to change without notice.

Single Zone Mini Splits
Cooling Only & Heat Pump

Thermal Zone Ductless Mini-Split Air Conditioning and Heat Pump systems offer the perfect solution for an easy install with a sleek design. Most models are 13 Seer and most now carry the environmentally friendly 410A refrigerant.
Quiet and efficient…these systems have never been so cool!





Single Zone Mini Splits
Air Conditioning Unit Specifications

PRODUCT CODE	240-2001	242-1001	242-1002	240-1362
MODEL NUMBER	**MSC49A14115B**	**MSM09A43YA**	**MSM12A43YA**	**MS212A13240A**
Function	Cooling	Cooling	Cooling	Cooling
Rated Voltage	115	115	115	208-230
Rated Frequency (Hz)	60	60	60	60
Cooling/Heating Capacity (BTU)	9,000	9,000	12,000	12,000
Seer	14	13	13	13
EER	NOT AVAILABLE	12.1	11	NOT AVAILABLE
Cooling/Heating Power Input (W)	770	780	1090	960
Cooling/Heating Rated Current (A)	7.2	7.6	10	5
Dehumidifying Volume (pt/H)	1.1	1	2.54	4.2
Auto Restart	YES	YES	YES	YES
Breaker Size	15	15	20	15
Circuit Ampacity	10.6	13.6	17.2	5.4
Low Ambient Control			Yes	No
INDOOR DATA	**240-2001-E**	**242-1001-E**	**242-1002-E**	**240-1362-E**
INDOOR UNIT PART #	**MSC49A14115EB**	**MSM09A43YEA**	**MSM12A43YEA**	**MS212A13240EA**
Fan Motor Speed (r/min)L/M/H)	950/1150/1300	800/1000/1250	1000/1100/1270	1350/1450/1550
Fan Motor (W)	16	20	25	20
Fan Motor RLA(A)	1.4 (FLA)	5.75	N/A	0.09
Fan Type	Cross Flow	Cross Flow	Cross Flow	Cross Flow
Evaporator	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube
Sound Power Level dB (A)(L/M/H)	43 / 48 /52	29 / 36/ 42	471 / 412 / 371	483
Dimensions (W/D/H) (inches)	31.5 / 7.5 /11	31.1 / 7.68 / 10.43	40/43/46	48/52/57
Air Detection	Automatic	Automatic	36.22/8.86/11.50	38 / 8 / 11
Timer (24 Hr Programmable)	On/Off	On/Off	Automatic	Automatic
Air Flow Volume (CFM)	294	341/271/218	On/Off	On/Off
Net Weight (lb.)	22	16.53/19.84	28.66/33.07	26.5 / 33
Filter	Washable	Washable	Washable	Washable
OUTDOOR DATA	**240-2001-C**	**242-1001-C**	**242-1002-C**	**240-1362-C**
OUTDOOR UNIT PART#	**MSC49A14115CB**	**MSM09A43YCA**	**MSM12A43YCA**	**MS212A13240CA**
Compressor Type	Rotary	Rotary	Rotary	Rotary
L.R.A. (A)	40.3	40.3	47.3	26
Compressor RLA (A)	7.46	7.46	9.9	4.1
Compressor Power Input (w)	810	810	1085	930
Throttling Method	Capillary	Capillary	Capillary	Capillary
Outdoor Operating Range (F)	20 to 110	5 to 109	5 to 109	23 to 109
Condenser	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube
Fan Motor Speed (rpm)	910	880	880	920
Motor (w)	35	77	77	48
Fan Motor RLA (A)	2.2 (FLA)	n/a	N/A	0.22
Air Flow Volume	1059	1059	1295	1265
Fan Type	Axial	Axial	Axial	Axial
Sound Pressure Level dB(A)	53	55	56	55
Dimensions(W/D/H) (inches)	31.3 / 10 / 21.3	30.7 / 9.84 / 21.26	29.92/11.22/23.23	35 / 13 / 21
Net Weight (lbs)	70.5	70.55 / 77.16	79.37/85.98	88 / 99
Refrigerant Charge (lb)	R410A / 1.96	R410A/ 2.36	R410A / 2.93	R22 / 2.75
CONNECTION PIPE				
Design Length Ft	24.6	16.4	16.4	26.25
Design Pressure High/Low (PSIG) Extra Refrigerant Charge per Feet	465 / 252	550/340	550/340	362 / 147
Above Design Length	0.32	0.32	0.32	0.32
Outer Diameter Liquid Pipe (in)	1/4	1/4	1/4	1/4
Outer Diameter Gas Pipe (in)	1/2	3/8	1/2	1/2
Max Distance Height (ft)	16.4	26.2	26.2	16
Max Distance Length (ft)	49.2	65.6	65.6	32

Single Zone Mini Splits
Air Conditioning Unit Specifications

Product Code	242-1004	242-1005
Model Number	**MSM18A43ZA**	**MSM24A43ZA**
Function	Cooling	Cooling
Rated Voltage	208-230	208-230
Rated Frequency (Hz)	60	60
Cooling/Heating Capacity (BTU)	18,000	23,000
Seer	13	13
Cooling/Heating Power Input (W)	1550	2000
Cooling/Heating Rated Current (A)	6.8/6.6	9.3/8.8
EER	11.3	
Dehumidifying Volume (pt/H)	3.8	5.49
Auto Restart	YES	YES
Breaker Size	15	20
Circuit Ampacity	12.7	16.5
Low Ambient Control Board	No	Yes
INDOOR DATA	**242-1004-E**	**242-1005-E**
Indoor Unit Part #	**MSM18A43ZEA**	**MSM24A43ZEA**
Fan Motor Speed (r/min)L/M/H)	1145/1235/1285	990/1100/1260
Fan Motor (W)		86/69/58
Fan Motor RLA(A)	N/A	N/A
Fan Type	Cross Flow	Cross Flow
Evaporator	Aluminum fin-copper tube	Aluminum fin-copper tube
Sound Power Level dB(A)(L/M/H)	43/48/46	46/49/52
Dimensions(W/D/H) (inches)	42.52 / 8.98 / 12.99	49.21/9.06/12.80
Air Detection	Automatic	Automatic
Timer (24 Hr Programmable)	On/Off	On/Off
Net Weight (lb.)	33.07	39.68/55.12
Filter	Washable	Washable
Air Flow Volume (CFM)	618	795 / 689 / 624
OUTDOOR DATA	**242-1004-C**	**242-1005-C**
Outdoor Unit Part#	**MSM18A43ZCA**	**MSM24A43ZCA**
Compressor Type	Rotary	Rotary
L.R.A. (A)	32.6	34.8
Compressor RLA (A)	7.30/6.65	8.75/9.70
Compressor Power Input (W)	1505/1510	1980/2000
Throttling Method	Capillary	Capillary
Outdoor Operating Range (F)	5 to 109.4	5 to 109
Condenser	Aluminum fin-copper tube	Aluminum fin-copper tube
Fan Motor Speed (rpm)	840	760
Fan Motor (W)	128	140
Fan Motor RLA (A)	N/A	N/A
Air Flow Volume	1471	2060
Fan Type	Axial	Axial
Sound Pressure Level dB(A)	59	57
Dimensions(W/D/H) (inches)	33.27 / 13.19 / 27.36	35.24/12.99/33.86
Net Weight (lbs)	109.13	141.10/149.91
Refrigerant Charge (lb)	R410A / 4.41	R410A / 5.29
CONNECTION PIPE		
Design Length Ft	16.4	16.4
Design Pressure High/Low (PSIG) Extra Refrigerant Per ft	550 / 340	550/340
Above Design Length (oz/ft)	0.322	0.699
Outer Diameter Liquid Pipe (in)	1/4	3/8
Outer Diameter Gas Pipe (in)	1/2	5/8
Max Distance Height (ft)	32.8	32.8
Max Distance Length (ft)	82	82

Single Zone Mini Splits
Heat Pump Unit Specifications

Product Code	240-3001	242-1102	240-1372	242-1104	242-1105
Model Number	**MSC49HP13115A**	**MSM12H43YA**	**MS412HP13240A**	**MSM18H43ZA**	**MSM24H43ZA**
Function	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Rated Voltage	115	115	208/230	208-230	208-230
Cooling/Heating Capacity (BTU)	9,000/9,000	12,000/12,500	12,000/13,000	18,000	23,000
Seer	13	13	13	13	13
EER	NOT AVAILABLE	11.7	NOT AVAILABLE	11.3	11
C.O.P. (Cooling/Heating)	NOT AVAILABLE	12.2	NOT AVAILABLE	12.1	12
HSPF	NOT AVAILABLE	8.5	NOT AVAILABLE	8	8
Cooling/heating Power input (W)	770/720	1090/1060	1550/1250	1090	2000
Cooling/Heating Rated Current (A)	7.2/6.8	10	7.2/7.6	7.8/7.0	9.3/8.8
Air Flow Volume (CFM)	347	500 / 430 / 394	325	618 / 589 / 547	795 / 689 / 624
Dehumidifying Volume (pt/H)	1.2	2.54	2.7	3.8	5.49
Auto Restart	YES	YES	YES	YES	YES
Breaker Size	15	20	15	15	20
Circuit Ampacity	10.6	17.2	5.5	12.7	16.5
Low Ambient Control Board	No	Yes	No	Yes	Yes
INDOOR DATA	**240-3001-E**	**242-1102-E**	**240-1372-E**	**242-1104-E**	**242-1105-E**
Indoor Unit Part #	**MSC49HP13115EA**	**MSM12H43YEA**	**MS412HP13240EA**	**MSM18H43ZEA**	**MSM24H43ZEA**
Fan Motor Speed (r/min)(L/M/H)	950/1100/1250	1000/1100/1270	1050/1100/1250	1285/1235/1145	990/1100/1260
Fan Motor (W)	16	25	20	25	86/69/58
Fan Motor RLA(A)	0.35	N/A	0.152	N/A	N/A
Fan Type	Cross Flow	Cross Flow	Cross Flow	Cross Flow	Cross Flow
Evaporator	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube
Sound Power Level dB(A)L/M/H)	42/49/54	41/44/47	48/49/53	43/47/49	46/49/52
Dimensions (W/D/H) (inches)	31 / 7 / 10.6	36.22/8.86/11.50	33 / 7 / 10.6	42.52/8.98/12.99	49.21/9.06/12.80
Air Detection	Automatic	Automatic	Automatic	Automatic	Automatic
Timer (24 hr Programmable)	On/Off	On/Off	On/Off	On/Off	On/Off
Net / Gross Weight (lbs.)	20	28.66/33.07	24 / 33	33.07/46.30	39.68/55.12
Filter	Washable	Washable	Washable	Washable	Washable
OUTDOOR DATA	**240-3001-C**	**242-1102-C**	**240-1372-C**	**242-1104-C**	**242-1105-C**
Outdoor Unit Part #	**MSC49HP13115CA**	**MSM12H43YCA**	**MS412HP13240CA**	**MSM18H43ZCA**	**MSM24H43ZCA**
Compressor Type	Rotary	Rotary	Rotary/Inverter	Rotary	Rotary
L.R.A. (A)	47	47.3	33	32.6	34.8
Compressor RLA (A)	7.5	9.9	4	6.65/7.30	8.75/9.70
Compressor Power Input (W)	810	1085	628	1505/1510	1980/2000
Throttling Method	Capillary	Capillary	Capillary	Capillary	Capillary
Outdoor Operating Range (F)	23 to 109	5 to 109/ 19.4 to 75.2	23 to 109	5 to 109/ 19.4 to 75.2	5 to 109/ 19.4 to 75.2
Condenser	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube
Fan Motor Speed (rpm)	910	880	830	840	760
Fan Motor (W)	35	77	30	182	140
Fan Motor RLA (A)	0.081	N/A	0.3	N/A	N/A
Air Flow Volume	1265 cfm	1177	1100 cfm	1471	2060
Fan Type	Axial	Axial	Axial	Axial	Axial
Defrosting Method	Auto	Auto	Auto	Automatic	Auto
Sound Pressure level dB (A)	55	56	54	60	57
Dimensions (W/D/H) (inches)	31.3 / 10 / 21.3	29.92/11.22/23.23	33 / 13 / 21	33.27/13.19/27.36	35.24/12.99/33.86
Net / Gross Weight (lbs.)	73	83.78/ 90.39	99 / 110	116.84/125.66	151.02/160.94
Refrigerant Charge (lbs.)	R410A / 2.12	R410A / 2.93	R410A / 2.8	R410A / 4.50	R410A / 5.4
CONNECTION PIPE					
Design Length Ft.	24.6	16.4	19	16.4	16.4
Design Pressure High/Low (PSIG) Extra Refrigerant Charge Per Feet	465/252	550/340	551 /174	550/340	550/340
Above Design Length (oz/ft)	.30	0.32	0.21	0.32	0.699
Outer Diameter Liquid Pipe (in)	1/4	1/4	1/4	1/4	3/8
Outer Diameter Gas Pipe (in)	1/2	1/2	1/2	1/2	5/8
Max Distance Height (ft)	16.4	26.2	20	26.2	32.8
Max Distance Length (ft)	32.8	65.6	39	82	82

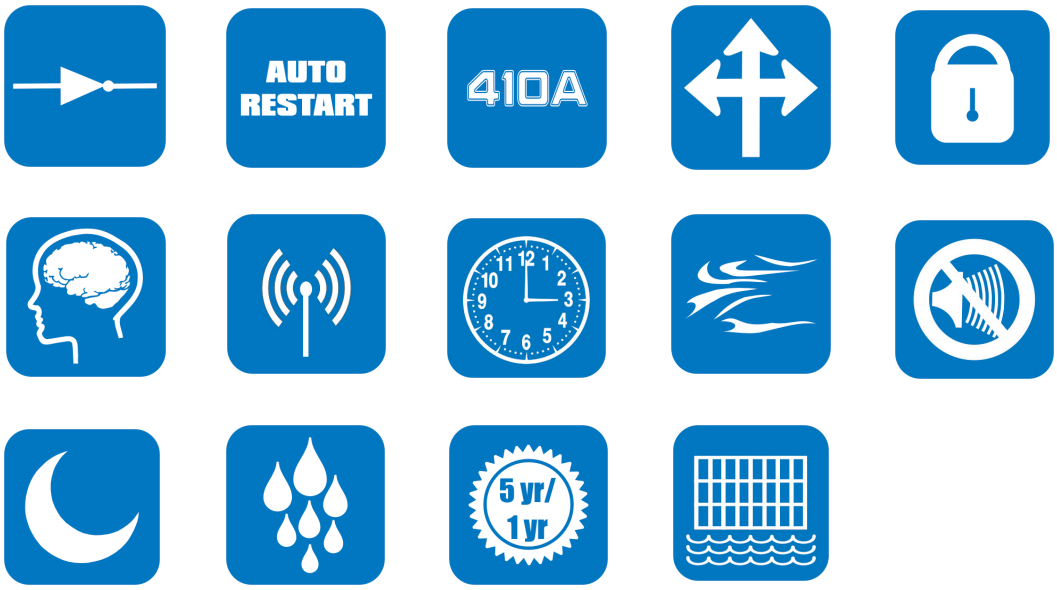
Single Zone Mini Split Heat Pump with Electric Heat

Product Code	240-3005	240-3006
Model Number	**MSCE418HP13230**	**MSCE424HP13230**
Cross Reference #	**18HE43ZCX**	**24HE43ZCX**
Function	Cooling / Heating	Cooling / Heating
Rated Voltage	208 - 230 VAC	208 - 230 VAC
Cooling/Heating Capacity (BTU)	18,000 / 18,000	24,000 / 24,000
Seer	13	13
Cooling/heating Power input (W)	1480 / 1480	1930 / 1800
Cooling/Heating Rated Current (A)	6.5 / 6.4	8.5 / 8
Air Flow Volume (CFM)	624	736
Dehumidfying Volume (pt/H0	1.9	2.6
Auto Restart	Yes	Yes
Breaker Size	20	20
Minimum Circuit Ampacity	13.8	13.8
INDOOR DATA	**240-3005-E**	**240-3006-E**
Indoor Unit Part #	**MSCE418HP13230EA**	**MSCE424HP13230EA**
Cross Reference #	**18HE43ZICX**	**24HE43ZICX**
Fan Motor Speed (r/min)(L/M/H)	1000 / 1100 / 1220	1000 / 1100 / 1220
Output of Fan Motor (w)	40	40
Input of Heater (W)	1,000	1,200
Fan Motor RLA(A)	0.4	0.4
Fan Type	Cross Flow Fan	Cross Flow Fan
Fan Motor Capacitor (uf)	3.5	3.5
Evaporator	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube
Output Of Swing Motor (W), Left & Right	1.2	1.2
Output Of Swing Motor (W), Vertical	1.2	1.2
Sound Pressure Level dBA (L / M / H)	44 / 47 / 49	44 / 47 / 49
Sound Power Level dBA(L / H)	45 / 52	45 / 52
Dimensions (W / D / H) (inches)	45.5 x 8.9 x 12.8	48.6 x 8.9 x 12.8
Timer (24 hr Programmable)	Yes	Yes
Net Weight (lb.)	68	68
Filter	Washable	Washable
OUTDOOR DATA	**240-3005-C**	**240-3006-C**
Outdoor Unit Part #	**MSCE418HP13230CA**	**MSCE424HP13230CA**
Cross Reference #	**18HE43ZOCX**	**24HE43ZOCX**
Compressor Type	Rotary	Rotary
L.R.A. (A)	32.6	50.4
Compressor RLA (A)	6.65	9.16
Compressor Power Input (w)	1510	1650
Metering Method	Capillary	Capillary
Outdoor Operating Range (F)	20°F to 110°F	20°F to 110°F
Condenser	Aluminum fin-copper tube	Aluminum fin-copper tube
Fan Motor Speed (rpm)	780	780
Output of Fan Motor (w)	60	60
Fan Motor RLA (A)	0.9	0.9
Air Flow Volume (CFM)	1912	1912
Fan Type	Axial	Axial
Defrosting Method	Auto	Auto
Sound Pressure level dBA	60	60
Sound Power Level dBA	68	68
Dimensions (W / D / H) (inches)	35.4 x 13 x 33	35.4 x 13 x 33
Net Weight (lb.)	150	150
Refrigerant Charge (lb)	R410A - 4.85	R410A - 5.3
Design Length Ft.	24.6	24.6
Extra Refrigerant Charge Per Feet	0.5 oz per ft	0.5 oz per ft
Design Pressure High / Low (PSI)	445 / 237	445 / 237
Outer Diameter Liquid Pipe (in)	3/8	3/8
Outer Diameter Gas Pipe (in)	5/8	5/8
Max Distance Height (ft)	16.4	16.4
Max Distance Length (ft)	50	50

- Electric heaters provide a low level heat to aid in heating during start up or extreme cold conditions.

Single Zone High Efficiency Series
Mini-Split

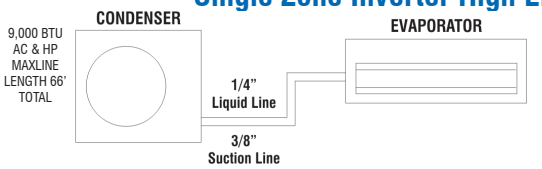
Thermal Zone High Efficiency Mini-Split systems feature energy efficient inverter technology and increased Seer ratings of up to 23 Seer in some models. The inverter technology maintains temperature more accurately and matches output demand to achieve maximum efficiency. These systems take you to the next level of cool!

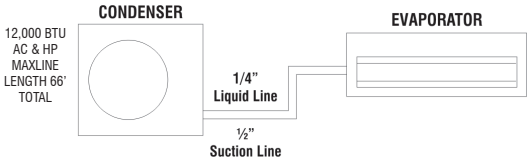


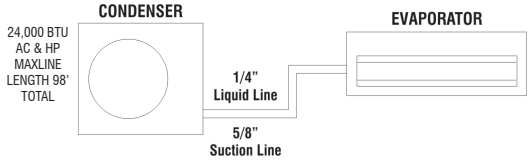
Single Zone High Efficiency Series
Mini-Split Cooling Only

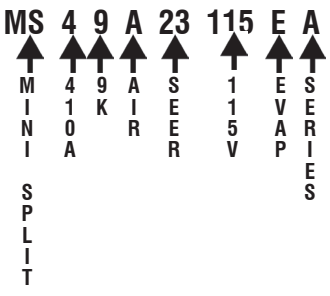
Product Code	241-3001	241-3002	241-3004	241-3005
Thermal Zone Model	MS49A23115A	MS412A22115A	MS418A20230A	MS424A19230A
Cross Reference Model	9A423YGX	12A422YGX	18A420ZGX	24A419ZGX
Function	COOLING	COOLING	COOLING	COOLING
Rated Voltage	115V AC / 1PH	115V AC / 1PH	208-230V AC / 1 PH	208-230V AC / 1 PH
Cooling Capacity (BTU) - High/ Standard/Low	11950 / 9000 / 4000	13000 / 12000 / 4500	22000/ 18000 /6200	26200/ 22000 /7800
SEER	23	22	20	18
EER	4.33	3.52	3.51	3.51
COP	2.97	3.23	2.43	2.86
Outdoor Operating Range	14°F to 118°F	14°F to 118°F	14°F to 118°F	14°F to 118°F
Cooling Power Input (W)	1180 / 620 / 166	1180 / 1000 / 160	2650 / 1500 / 180	2660 / 1832 / 220
(High/Standard/Low)				
Cooling Rated Current (A)	8	13	7.67	9.36
Indoor Air Circulation				
(CFM) (Turbo/H/M/L)	306/ 253 /217 /170	329/ 288/ 253 /206	488/ 441/ 382/ 323	606/ 470/ 412/ 353
Dehumidifying Volume(pts/h)	2.53	2.53	4.22	5.28
Auto Restart	Yes	Yes	Yes	Yes
Breaker Size (AMPS)	25	25	25	25
Circuit Ampacity	15	15	14	14
Indoor Data				
Product Code	**241-3001-E**	**241-3002-E**	**241-3004-E**	**241-3005-E**
Model of Indoor Unit	**MS49A23115EA**	**MS412A22115EA**	**MS418A20230EA**	**MS242A19230EA**
Cross Reference Model	**9A23YIGX**	**12A422YIGX**	**18A420ZIGX**	**24A419ZIGX**
Output of Fan Motor (W)	10	10	20	35
Fan Motor Capacitor (ufd)	N/A	N/A	1.5	2.5
Fan Motor RLA (A)	0.28	0.28	0.25	0.45
Fan Type	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
Diameter-Length (in)	3.35 – 26.3	3.35 – 26.3	3.86 – 28.86	3.86 – 32.6
Evaporator	Aluminum fin - copper tube	Aluminum fin - copper tube	Aluminum fin - copper tube	Aluminum fin - copper tube
Pipe Diameter (in)	0.275	0.275	0.275	0.275
Row-Fin Gap (in)	2-0.059	2-0.059	2-0.055	2-0.059
Coil length(L) x height(H) x coil width (W)	25.9 x 11.2 x 1	25.9 x 11.2 x 1	29.1 x 12 x 1	32.9×15.7×1
Swing Motor Model / Output (w) for horizontal louver	MP28VB / 2	MP28VB / 2	MP28VB / 2.5	MP35XX / 2.5
Fuse(A)	3.15	3.15	3.15	3.15
Sound Pressure Level dB(A)	42 / 38 / 30 / 28	47 / 38 / 30 / 28	46 / 43 / 40 / 35	51 / 43 / 40 / 35
Sound Power Level dB(A) Turbo (H/M/L)	52 / 48 / 40 / 38	57 / 48 / 40 / 38	56 / 53 / 50 / 45	61 / 53 / 50 / 45
Dimensions of Unit (W / D / H)	34.3 / 7 / 11.1	34.3 / 7 / 11.1	37.8 / 7.7 / 11.8	42.9 / 8.2 / 13
Dimension of Package (W / D / H)	36.8 / 14.8 / 10.2	36.8 / 14.8 / 10.2	40.7 / 15.4 / 11	45.7 / 16.1 / 12.2
Net / Gross Weight (lb)	26.5 / 33.1	26.5 / 33.1	28.7 / 39.7	35.3 / 46.3

Single Zone Inverter High Efficiency Line Size Information









Single Zone High Efficiency Series
Mini-Split Cooling Only

OUTDOOR DATA				
Product Code	**241-3001-C**	**241-3002-C**	**241-3004-C**	**241-3005-C**
Model Of Outdoor Unit	**MS49A23115CA**	**MS412A22115CA**	**MS418A20230CA**	**MS424A19230CA**
Cross Reference Model	**9A423YOGX**	**12A422YOGX**	**18A420ZOGX**	**24A419ZOGX**
Compressor Model	C-6RZ110H1A	C-6RZ110H1A	C-6RZ146H1A	C-6RZ146H1A
Compressor Type	Rotary	Rotary	Rotary	Rotary
LRA (Amps)	33	33	41	41
Compressor RLA (Amps)	4.59	4.59	8.4	8.4
Compressor Power Input (W)	800	800	1640	1640
Compressor overload protection	1NT11L-3979	1NT11L-3979	1NT11L-3979	1NT11L-3979
Throttling Method	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Compressor Start Method	Transducer Starting	Transducer Starting	Transducer Starting	Transducer Starting
Outdoor Operating Range	14°F to 118°F	14°F to 118°F	14°F to 118°F	14°F to 118°F
Condenser	Aluminum fin - copper tube	Aluminum fin - copper tube	Aluminum fin - copper tube	Aluminum fin - copper tube
Pipe Diameter (in)	0.375	0.375	0.275	0.275
Row-Fin Gap (in)	2-0.055	2-0.055	2-0.055	2-0.055
Coil length(L) x height(H)	29.41 x 20 x 1.73	29.41 x 22.01 x 1.73	32.95 x 25.98 x 1.5	38.07 x 29.45 x 1.5
x width(L)(in)				
Fan Motor Speed (rpm)	830±30	830±30	690 / 500	780
Output of Fan Motor (W)	30	30	60	90
Fan Motor RLA (A)	0.27	0.27	0.4	0.9
Fan Motor Capacitor (μfd)	N/A	11	4	4
Air Flow Volume (CFM)	1118	1118	1883	2472
Fan Type	Axial fan	Axial fan	Axial fan	Axial fan
Fan Diameter (in)	15.75	15.75	20.47	21.73
Defrosting Method	N/A	N/A	N/A	N/A
Climate Type	T1	T1	T1	T1
Isolation	I	I	I	I
Moisture Protection	IP24	IP24	IP24	IP24
Design Pressure High (PSI)	550	550	490	490
Design Pressure Low (PSI)	450	450	400	400
Sound Pressure Level dB(A)	52	55	54	56
Sound Power Level dB(A)	62	65	64	66
Dimension of Unit WxDxH	33.4 x 12.6 x 21.3	33.4 x 12.6 x 23.2	35 x 13.4 x 27.6	36.2 x 14.6 x 31.1
Dimension of Package WxDxH	34.6 x 14.2 x 22.8	34.6 x 14.2 x 24.8	40.6 x 18.1 x 28.9	41.9 x 19.1 x 33.1
Net/Gross Weight (lb)	86 / 94.8	88.2 / 97	110.2 / 121.3	119 / 132.3
Refrigerant Charge (lb)	R410A / 2.98 lbs	R410A / 2.98 lbs	R410A / 3.2 lbs	R410A / 3.97 lbs
CONNECTION PIPE				
Design Length (ft)	24.9	24.9	26.2	26.2
Extra Refrigerant Charge Per	0.16	0.16	0.22	0.32
feet above design length (oz/ft)				
Outer Diameter Liquid Pipe (in)	1/4”	1/4”	1/4”	1/4”
Outer Diameter Gas pipe (in)	3/8”	1/2”	1/2”	5/8”
Max Distance Height(ft)	32.8	32.8	49.2	49.2
Max Distance Length(ft)	65.6	65.6	98.4	98.4

Single Zone High Efficiency Series Mini-Split Heat Pump

Product Code	241-1001	241-1002	241-1004
Thermal Zone Model	MS49HP23115A	MS412HP22115A	MS418HP20230A
Cross Reference Model	9H423YGX	12H422YGX	18H420ZGX
Function	COOLING / HEATING	COOLING / HEATING	COOLING / HEATING
Rated Voltage	115V AC / 1PH	115V AC / 1PH	208-230V AC / 1 PH
Cooling Capacity (BTU) - High/Standard/Low	11950 / 9000 / 4000	13000 / 12000 / 4500	22000/ 18000 /6200
Heating Capacity (BTU) - High/Standard/Low	12500 / 9500 / 3412	14000 / 13000 / 3200	25000/ 25000/ 4100
SEER	23	22	20
HSPF	9	9	10.2 (Region IV -US) 8.8 (Region V-Canada)
EER / C.O.P (W / W)	4.33 / 4.04	3.52 / 3.34	3.51 / 2.71
Outdoor Operating Range	Cooling: 14°F to 118°F Heating: 5°F to 75°F	Cooling: 14°F to 118°F Heating: 5°F to 75°F	Cooling: 14°F to 118°F Heating: 5°F to 75°F
Cooling Power Input (W) - High/Standard/Low	1180 / 620 / 166	1180 / 1000 / 160	2650 / 1500 / 180
Heating Power Input (W) - High/Standard/Low	1230 / 680 / 200	1250 / 1140 / 400	2700 / 2700 / 240
Cooling / Heating Rated Current (A)	8 / 8.5	13 / 14.5	7.67 / 13.8
Indoor Air Circulation (CFM)	306 / 253 /	329 / 288 /	488 / 441 /
(Turbo/H/M/L)	217 / 170	253 / 206	382 / 323
Dehumidifying Volume(pts/h)	2.53	2.53	4.22
Auto Restart	Yes	Yes	Yes
Breaker Size (AMPS)	25	25	25
Circuit Ampacity	15	15	14
INDOOR DATA			
Product Code	241-1001-E	241-1002-E	241-1004-E
Model Of Indoor Unit	MS49HP23115EA	MS412HP22115EA	MS418HP20230EA
Cross Reference Model	9H423YIGX	12H422YIGX	18H420ZIGX
Fan Motor Speed(RPM)- Cooling	1400 / 1150 / 1050/900	1500 / 1150 / 1050/900	1500 / 1150 / 1050/ 950
Fan Motor Speed(RPM)- Heating (Turbo / L / M / H)	1450 / 1250 /1150 / 1050	1450 /1250 /1150 / 1050	1500 / 1200 /1100/1000
Output of Fan Motor (W)	10	10	20
Fan Motor Capacitor (ufd)	N/A	N/A	1.5
Fan Motor RLA (A)	0.28	0.28	0.25
Fan Type	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
Diameter-Length (in)	3.35 – 26.3	3.35 – 26.3	3.86 – 28.86
Evaporator	Aluminum fin - copper tube	Aluminum fin - copper tube	Aluminum fin - copper tube
Pipe Diameter (in)	0.275	0.275	0.275
Row-Fin Gap (in)	2-0.059	2-0.059	2-0.055
Coil length(L) x height (H)x coil width(W) (in)	25.9 x 11.2 x 1	25.9 x 11.2 x 1	29.1 x 12 x 1
Swing Motor Model / Output (W) (for horizontal louver)	MP28VB / 2	MP28VB / 2	MP28VB / 2.5
Fuse(A)	3.15	3.15	3.15
Sound Pressure Level dB(A) (Turbo / H / M / L)	42 / 38 / 30 / 28	47 / 38 / 30 / 28	46 / 43 / 40 / 35
Sound Power Level dB(A) (Turbo / H / M / L)	52 / 48 / 40 / 38	57 / 48 / 40 / 38	56 / 53 / 50 / 45
Dimensions of Unit (W x D x H) (approx in)	34.3 / 7 / 11.1	34.3 / 7 / 11.1	37.8 / 7.7 / 11.8
Dimension of Package (W / D / H) (approx in)	36.8 x 10.2 x 14.8	36.8 x 10.2 x 14.8	40.7 x 11 x 15.4
Net / Gross Weight (lb)	26.5 / 33.1	26.5 / 33.1	28.7 / 39.7

Single Zone High Efficiency Series Mini-Split Heat Pump

OUTDOOR DATA			
Product Code	**241-1001-C**	**241-1002-C**	**241-1004-C**
Model Of Outdoor Unit	**MS49HP23115CA**	**MS412HP22115CA**	**MS418HP20230CA**
Cross Reference Model	**9H423YOGX**	**12H422YOGX**	**18H420ZOGX**
Compressor Model	C-6RZ110H1A	C-6RZ110H1A	C-6RZ146H1A
Compressor Type	Rotary	Rotary	Rotary
LRA (Amps)	33	33	41
Compressor RLA (Amps)	4.59	4.59	8.4
Compressor Power Input (W)	800	800	1640
Compressor overload protection	1NT11L-3979	1NT11L-3979	1NT11L-3979
Throttling Method	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Compressor Start Method	Transducer Starting	Transducer Starting	Transducer Starting
Outdoor Operating Range	Cooling: 14°F to 118°F Heating: 5°F to 75°F	Cooling: 14°F to 118°F Heating: 5°F to 75°F	Cooling: 14°F to 118°F Heating: 5°F to 75°F
Condenser	Aluminum fin - copper tube	Aluminum fin - copper tube	Aluminum fin - copper tube
Pipe Diameter (in)	0.375	0.375	0.275
Row-Fin Gap (in)	2-0.055	2-0.055	2-0.055
Coil length(L) x height(H) x width (W)(in)	29.41 x 20 x 1.73	29.41 x 22.01 x 1.73	32.95 x 25.98 x 1.5
Fan Motor Speed (rpm)	830±30	830±30	690 / 500
Output of Fan Motor (W)	30	30	60
Fan Motor RLA (A)	0.27	0.27	0.4
Fan Motor Capacitor (μfd)	N/A	11	4
Air Flow Volume (CFM)	1118	1118	1883
Fan Type	Axial Fan	Axial Fan	Axial Fan
Fan Diameter (in)	15.75	15.75	20.47
Defrosting Method	Auto Defrost	Auto Defrost	Auto Defrost
Climate Type	T1	T1	T1
Isolation	I	I	I
Moisture Protection	IP24	IP24	IP24
Design Pressure High (PSI)	550	550	490
Design Pressure Low (PSI)	450	450	400
Sound Pressure Level dB(A)	52	55	54
Sound Power Level dB(A)	62	65	64
Dimension of Unit (WxDxH)	33.4 x 12.6 x 21.3	33.4 x 12.6 x 23.2	35 x 13.4 x 27.6
Dimension of Package (WxDxH) in inches	34.6 x 14.2 x 22.8	34.6 x 14.2 x 24.8	40.6 x 18.1 x 28.9
Net/Gross Weight (lb)	88.2 / 97	90.4 / 99.2	110.2 / 121.3
Refrigerant Charge (lb)	R410A / 2.98 lbs	R410A / 2.98 lbs	R410A / 3.2 lbs
CONNECTION PIPE			
Design Length (ft)	24.9	24.9	26.2
Extra Refrigerant Charge per feet above design length (oz/ft)	0.16	0.16	0.22
Outer Diameter Liquid Pipe (in)	1/4”	1/4”	1/4”
Outer Diameter Gas pipe (in)	3/8”	1/2”	1/2”
Max Distance Height(ft)	32.8	32.8	49.2
Max Distance Length(ft)	65.6	65.6	98.4

SIngle Zone High Efficiency Series
Mini-Split Heat Pump

"Available Late Spring 2012"

NEW NEW

Product Code	**241-1005**	**242-1306**	**242-1307**
Model Number	**MS424HP19230A**	**30H46ZMI**	**36H44ZMI**
Function	COOLING / HEATING	COOLING / HEATING	COOLING / HEATING
Rated Voltage	208-230V AC / 1 PH	208-230V AC / 1 PH	208-230V AC / 1 PH
Cooling Capacity (BTU) - High/Standard/Low	26200/ 22000 /7800	30000	36000
Heating Capacity (BTU) - High/Standard/Low	28000/ 28000/ 6000	30000	36000
SEER	19	16	14.5
HSPF	10.5 (Region IV -US) 8.8 (Region V-Canada)	9.6 (Region IV -US)	9 (Region IV -US)
EER / C.O.P (W / W)	3.51 / 3.04	10 C.O.P.	9.5 C.O.P.
Outdoor Operating Range	Cooling: 14°F to 118°F Heating: 5°F to 75°F	*Cooling: 5°F to 122°F *Heating: 5°F to 92°F	Cooling: 5°F to 122°F Heating: 5°F to 92°F
Cooling Power Input (W) - High/Standard/Low	2660 / 1832 / 220	2800	3000
Heating Power Input (W) - High/Standard/Low	2700 / 2700 / 260	2860	3600
Cooling / Heating Rated Current (A)	9.36 / 13.81	15 / 16	16 / 18
Indoor Air Circulation (CFM)	606 / 470 /	942	942
(Turbo/H/M/L)	412 / 353	970 / 840 / 730	970 / 840 / 730
Dehumidifying Volume(pts/h)	5.28	6.3	8
Auto Restart	Yes	Yes	Yes
Breaker Size (AMPS)	25	25	30
Circuit Ampacity	14	16	20
INDOOR DATA			
Product Code	**241-1005-E**	**242-1306-E**	**242-1307-E**
Model Number	**MS424HP19230EA**	**30H46ZIMI**	**36H44ZIMI**
Fan Motor Speed(RPM)- Cooling (Turbo / L / M / H)	1380 / 1000 / 900 / 750	N.A. / 950 / 1090 / 1260	N.A. / 950 / 1090 / 1260
Fan Motor Speed(RPM)- Heating (Turbo / L / M / H)	1380/1050/ 950/850	N.A. / 950 / 1090 / 1260	N.A. / 950 / 1090 / 1260
Output of Fan Motor (W)	35	68 / 87 / 113	68 / 87 / 113
Fan Motor Capacitor (ufd)	2.5	3	3
Fan Motor RLA (A)	0.45	0.51	0.78
Fan Type	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
Diameter-Length (in)	3.86 – 32.6	4.65 - 21.89	4.65 - 21.89
Evaporator	Aluminum fin - copper tube	Aluminum fin - copper tube	Aluminum fin - copper tube
Pipe Diameter (in)	0.275	5/8, 3/8	5/8, 3/8
Row-Fin Gap (in)	2-0.059	0.055	0.055
Coil length(L) x height (H)x coil width(W) (in)	32.9×15.7×1	45.28X14.88X1.57	45.28X14.88X1.58
Swing Motor Model / Output (W) (for horizontal louver)	MP35XX / 2.5	NA	NA
Fuse(A)	3.15	25	30
Sound Pressure Level dB(A) (Turbo / H / M / L)	51 / 43 / 40 / 35	N.A / 50 / 48 / 46	N.A / 50 / 48 / 46
Sound Power Level dB(A) (Turbo / H / M / L)	61 / 53 / 50 / 45	NA	NA
Dimensions of Unit (W x D x H) (approx in)	42.9 / 8.2 / 13	56 7/8 - 10 7/8 - 13 3/8	56 7/8 - 10 7/8 - 13 3/8
Dimension of Package (W / D / H) (approx in)	45.7 x 12.2 x 16.1	60 1/4 - 16 9/16 - 14 3/8	60 1/4 - 16 9/16 - 14 3/8
Net / Gross Weight (lb)	35.3 / 46.3	53 / 71	53 / 71

* Extreme operating temperature will lower the efficiency.

Single Zone High Efficiency Series Mini-Split Heat Pump

Sea Breeze

5 yr/ 1 yr

THERMAL ZONE

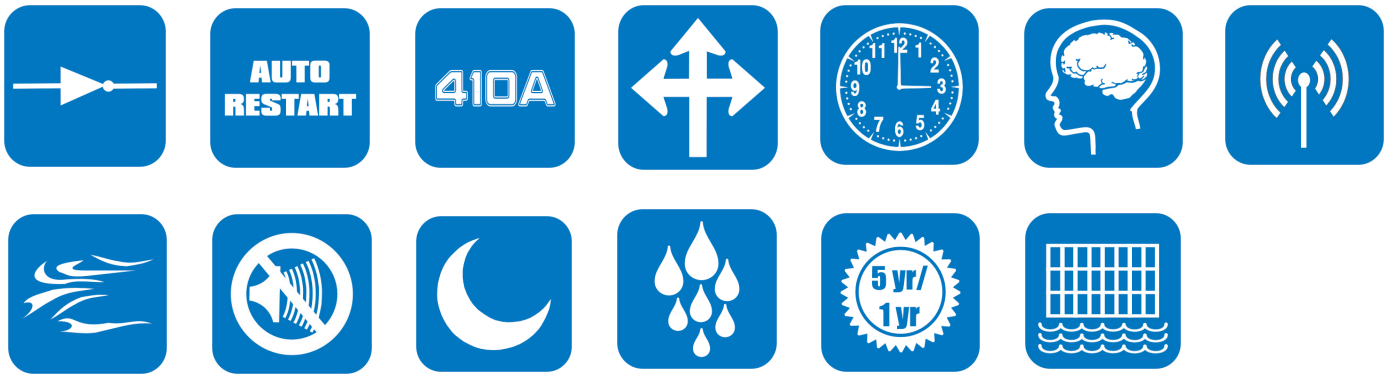
"Available Late Spring 2012"

NEW NEW

OUTDOOR DATA			
Product Code	**241-1005-C**	**242-1306-C**	**242-1307-C**
Model Number	**MS424HP19230CA**	**30H46ZOMI**	**36H44ZOMI**
Compressor Model	C-6RZ146H1A	DA250S2C-30MT (GMCC)	TNB306FPGMC-L (GMCC)
Compressor Type	Rotary	Rotary	Rotary
LRA (Amps)	41	NA	NA
Compressor RLA (Amps)	8.4	8.5	13.5
Compressor Power Input (W)	1640	2120	3080
Compressor overload protection	1NT11L-3979	Thermal	Thermal
Throttling Method	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Compressor Start Method	Transducer Starting	Starts at low speed with inverter control	Starts at low speed with inverter control
Outdoor Operating Range	Cooling: 14°F to 118°F Heating: 5°F to 75°F	Cooling: 5°F to 109.4°F Heating: 19.4°F to 75.2°F	Cooling: 5°F to 109.4°F Heating: 19.4°F to 75.2°F
Condenser	Aluminum fin - copper tube		
Pipe Diameter (in)	0.275	5/8, 3/8	5/8, 3/8
Row-Fin Gap (in)	2-0.055	0.055	0.059
Coil length(L) x height(H) x width (W)(in)	38.07 x 29.45 x 1.5	30.16X31.49X1.61	33.66x902x38.1
Fan Motor Speed (rpm)	780	790 / 540	750 / 615
Output of Fan Motor (W)	90	157.3 / 93.8	299 / 223
Fan Motor RLA (A)	0.9	0.75	0.78
Fan Motor Capacitor (μfd)	4	2.5	10
Air Flow Volume (CFM)	2472	2060	2237
Fan Type	Axial Fan	Axial Fan	Axial Fan
Fan Diameter (in)	21.73	NA	NA
Defrosting Method	Auto Defrost	Auto Defrost	Auto Defrost
Climate Type	T1	T1	T1
Isolation	I	I	I
Moisture Protection	IP24	IP24	IP24
Design Pressure High (PSI)	490	550	550
Design Pressure Low (PSI)	400	340	340
Sound Pressure Level dB(A)	56	59	59
Sound Power Level dB(A)	66	NA	NA
Dimension of Unit (W x D x H) (approx in)	36.2 x 14.6 x 31.1	35 1/4 x 13 x 33 1/4	39 x 13 9/16 x 38
Dimension of Package (W X D X H) (approx in)	41.9 x 19.1 x 33.1	41 1/6 x 15 9/16 x 36	44 1/8 x 17 1/8 x 43 5/16
Net/Gross Weight (lb)	119 / 132.3	157 / 165	181 / 190
Refrigerant Charge (lb)	R410A / 3.97 lbs	R410A / 5.62 lbs	R410A / 6.06 lbs
CONNECTION PIPE			
Design Length (ft)	26.2	16.4	16.4
Extra Refrigerant Charge Per feet above design length (oz/ft)	0.32	0.43	0.43
Outer Diameter Liquid Pipe (in)	1/4"	3/8"	3/8"
Outer Diameter Gas pipe (in)	5/8"	5/8"	5/8"
Max Distance Height(ft)	49.2	32.8	32.8
Max Distance Length(ft)	98.4	82	82

Dual, Tri, and Quad Zone Mini-Split Heat Pumps

The Seabreeze High Efficiency Mini-Split Dual, Tri, and Quad Zone system is like having all the benefits of central air less the headache of duct work. These freematch systems have mix and match flexibility that will allow you to control individual room temperatures in up to four rooms. With 16 Seer, 410A, Inverter Technology, and Multiple Configurations, the possibilities are endless.



12MH46ZIGX

24MH46ZOGX

34MH46ZOGX

Dual, Tri, and Quad Zone Mini-Split Heat Pump Evaporators

Sea Breeze

5 yr/ 1 yr

	Product Code / Model Number	241-1009-E 9MH46ZIGX	241-1012-E 12MH46ZIGX	241-1018-E 18MH46ZIGX
Performance & Electrical	Rated Voltage & Frequency	208-230 / 1PH	208-230 / 1PH	208-230 / 1PH
	Total Input Current (A)	0.17	0.17	0.278
	Cooling BTU	9000	12000	18000
	Heating BTU	10000	13500	19500
	Dehumidifying Volume (pt/hr)	1.7	2.5	5.3
Fan Motor	Output (W)	10	10	20
	Fan Motor RLA (A)	0.17	0.17	0.278
	Fan Motor Capacitor (MFD/V)	1	1	1
	Speed (Hi/Med/Low) (RPM)	1150 / 1000 / 850	1150 / 1050 / 900	1150 / 1050 / 950
	Speed (turbo) (RPM)	1250	1350	1380
Evaporator	Number of rows	2	2	2
	Tube pitch row / pitch (in)	0.5 / 0.75	0.5 / 0.75	0.5 / 0.75
	Fin spacing (in)	0.063	0.055	0.059
	Fin Type	Aluminum, Louvered	Aluminum, Louvered	Aluminum, Louvered
	Tube outside dia.(in) / Type	0.276	0.276	0.276
	Coil Length x height x width (in)	23.74 x 10.39 x 1	25.87 x 11.22 x 1	29.13 x 11.85 x 1
	Liquid Line	1/4"	1/4"	1/4"
	Suction Line	3/8"	1/2"	1/2"
Design Data	Air Flow (Turbo/Hi/Med/Low) (CFM)	265 / 231 / 190 / 163	300 / 252 / 223 / 195	488 / 394 / 352
	Sound Pressure Level dB(A) (H / M / L)	38 / 35 / 32 / 29	40 / 35 / 33 / 30	46 / 43 / 38 / 34
	Sound Power Level dB(A) (H / M / L)	48 / 45 / 42 / 39	50 / 45 / 43 / 40	56 / 53 / 48 / 44
	Fan Type	Cross flow fan	Cross flow fan	Cross flow fan
	Fan Diameter (in)	3.35	3.35	3.86
	Fan Length (in)	24.21	26.3	28.86
	Design Pressure (PSI)	130.5 / 435.1	130.5 / 435.1	130.5 / 435.1
	High Pressure (PSI)	500	500	500
	Low Pressure (PSI)	235	235	235
	Remote	Yes	Yes	Yes
	Auto-restart	Yes	Yes	Yes
Dimensions & Weight	Unit Dimensions (W x D x H) (in)	32.09 x 6.50 x 10.51	34.33 x 7.01 x 11.14	37.80 x 7.68 x 11.81
	Packing Dimensions (W x D x H) (in)	35.04 x 10.24 x 13.54	36.81 x 10.24 x 14.72	40.75 x 11.02 x 15.35
	Net / Gross Wt (lbs)	22.05 / 28.66	24.25 / 33.07	28.66 / 39.68

TWO INDOOR UNIT OPTIONS

9K + 9K or 9K + 12K or 9K + 18K or 12K + 12K or 12K + 18K or 18K + 18K

THREE INDOOR UNIT OPTIONS

9K + 9K + 9K or 9K + 9K + 12K or 9K + 12K + 12K or 9K + 9K + 18K or 9K + 12K + 18K or 12K + 12K + 12K or 12K + 12K + 18K

FOUR INDOOR UNIT OPTIONS

9K + 9K + 9K + 9K or 9K + 9K + 9K + 12K or 9K + 9K +12K + 12K or 9K + 9K + 9K + 18K

IMPORTANT

The system matches below are not recommended if all indoor units may require simultaneous continuous duty at full efficiency.

TWO INDOOR UNIT OPTIONS

18K + 18K

THREE INDOOR UNIT OPTIONS

9K + 12K + 18K or 12K + 12K +12K or 12K + 12K + 18K

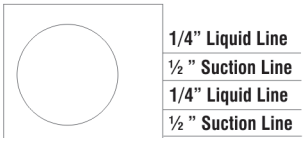
FOUR INDOOR UNIT OPTIONS

9K + 9K + 9K + 12K or 9K + 9K + 12K + 12K or 9K + 9K + 9K + 18K

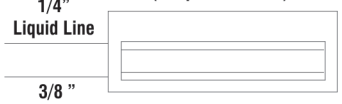
9	M	H	4	6	Z	I	G	X
BTU	MULTI	HEAT	410A	16 SEER	230V	INDOOR	CONTROL	SERIES

Dual Zone / Quad Zone Inverter Line Size Information

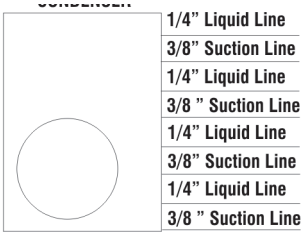
DUAL ZONE
MAX LINE LENGTH
66' TOTAL
24,000 BTU
CONDENSER



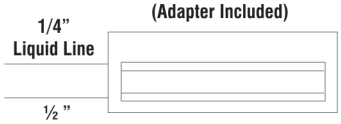
9,000 BTU EVAPORATOR (Adapter Included)



DUAL/TRI/QUAD ZONE
MAX LINE LENGTH
229' TOTAL
34,000 BTU
CONDENSER



12,000 & 18,000 BTU EVAPORATOR (Adapter Included)



NOTE: Line sets should be the same as the indoor unit.

Dual Zone Heat Pump Condensing Units

Product Code		241-1024-C
Model Number		24MH46ZOGX
Rated Voltage & Frequency and Phase		208-230 / 1PH
Circuit Breaker Size (A)		25A
Total Current (RLA) cooling (A)		15.9
Total Current (RLA) heating (A)		15.9
Working Temperature Range (cooling °F)		41 to 118
Working Temperature Range (heating °F)		5 to 75
Refrigerant (R410A), (lbs)		5.5
Cooling	Rated Capacity (BTU)	24,000
	Capacity Invert Range (BTU)	10,000 / 28,000
	Input / Actual Input (W)	1100 / 2250
	Max. Power (W)	3300
	Max Current (A)	16.9
	SEER	16
Heating	Rated Capacity (BTU)	28,000
	Capacity Invert Range (W)	9,000 / 33,000
	Input / Actual Input (W)	1250 / 2600
	Max. Power (W)	3500
	Max Current (A)	17.6
	Declared COP / Actual COP (w/w.h.)	8.2
Fan Motor	Model	FW60C
	Output (W)	60
	Capacitor (UFD)	3
	Fan Motor FLA (A)	0.65
	Fan Speed (RPM) (H-M-L)	780/ 620 / 600
	Fan Type	Axial Fan
Outdoor Fan	Fan Blade Diameter (in)	18.11
	Air Flow Volume of Outdoor Unit (CFM)	2000
Compressor	Model	C-7RZ233H1A
	TYPE	Rotary
	Brand	SANYO
Condenser	Number of Rows	2
	Tube Pitch x Row Pitch (in)	1 / 0.87
	Fin spacing (in)	0.0551
	Fin Type	Aluminum, Louvered
	Tube Outside Dia. (in)	0.375
	Coil Length x Height x Width (in)	26.9 x 32 x 1.7
	Number of circuits	2
Dimensions & Weight	Unit Dimensions (W x D x H) (in)	37.4 x 16.04 x 33.07
	Packing Dimensions (W x Dx H) (in)	43.31 x 17.72 x 35.63
	Net / Gross Weight (lb)	149.9 / 160.9
Connection	Flare Fitting Liquid line	1/4 “
	Flare Fitting Suction line	1/2” (*3)
	Service Port Fitting	5/16”
	High Pressure (psi)	500
	Low Pressure (psi)	235
	Design Length (ft)	24.6 (each indoor unit)
	Max Line Set Vertical Height (ft)	16.4 (each indoor unit) (*4)
	Max Line Set Length (ft)	65.6 (total)
	Charge over Design Length (oz. / ft)	0.16 (*1)
	Design Pressure (PSI)	130.5 / 435.1 (*2)
	Wiring (Indoor to Outdoor)	4C- 16 AWG
	Wiring (Outdoor unit to Power Disconnect)	3C- 10 AWG

*1. When the total length of liquid line is over 49.2 ft, the additional refrigerant charge is required.

*2. Design Pressure is rated under the following conditions: Indoor: Dry Bulb 80 °F, Wet-Bulb 67 °F; Outdoor: Dry-Bulb 95 °F, 75 °F.

*3. Dual Zone uses 1/2” to 3/8” adaptor for 9K indoor unit. Not required for 12K BTU indoor unit.

*4. Each unit’s height, not accumulative. Example: 2 indoor units, each unit can be a maximum of 16.4 ft vertical. (NOTE: Outdoor unit must connect to TWO indoor units.)

FREE MATCH Triple or Quad Zone Heat Pump Condensing Units

Product Code		241-1034-C
Model Number		34MH46Z0GX
Rated Voltage & Frequency and Phase		208-230 / 1PH
Circuit Breaker Size (A)		40
Total Current (RLA) cooling		20.5 / 20.9 A
Total Current (RLA) heating		20.1 / 19.7 A
Working Temperature Range (cooling °F)		41 to 118
Working Temperature Range (heating °F)		5 to 75
Refrigerant (R410A), (lbs)		7.28
Cooling	Rated Capacity (Btu)	27,000
	Capacity Invert Range (Btu)	10,000 / 34,000
	Input / Actual Input (W)	900 / 2600
	Max. Power (W)	4700
	Max Current (A)	21
	SEER	16
Heating	Rated Capacity (Btu)	29,000
	Capacity Invert Range (W)	9,000 / 37,000
	Input / Actual Input (W)	800 / 2500
	Max. Power (W)	3000
	Max Current (A)	17.8
	Declared COP / Actual COP (w/w.h.)	8.2
Fan Motor	Model	FW68E
	Output (W)	68
	Capacitor (UFD)	3
	Fan Motor FLA (A)	0.68
	Fan Speed (RPM)	840 / 740 / 640
	Fan Type	Axial Fan
Outdoor Fan	Fan Blade Diameter (in)	18.11
	Air Flow Volume of Outdoor Unit (CFM)	N/A
Compressor	Model	C-7RZ233H1A
	TYPE	Rotary
	Brand	SANYO
	Capacity (W)	7110
	Input (W)	1760
Condenser	Number of Rows	2
	Tube Pitch x Row Pitch (in)	1 / 0.87
	Fin spacing (in)	0.055
	Fin Type	Aluminum, Louvered
	Tube Outside Dia.(in)	0.375
	Coil Length x Height x Width (in)	31.73 x 32 x 1.73
	Number of circuits	4
Dimensions & Weight	Unit Dimensions (W x D x H) (in)	37.4 x 16.54 X 33.07
	Packing Dimensions (W x Dx H) (in)	43.31 x 17.72 x 35.63
	Net / Gross Weight (lb)	165.3 / 176.4
Connection	Flare Fitting Liquid line	1/4 “
	Flare Fitting Suction line	3/8” (*3)
	Service Port Fitting	5/16”
	High Pressure (psi)	500
	Low Pressure (psi)	235
	Design Length (ft)	32.8 (each indoor unit)
	Max Line Set Vertical Height (ft)	32.8 (each indoor unit) (*4)
	Max Line Set Length (ft)	229 (total)
	Charge over Design Length (oz. / ft)	0.24 (*1)
	Design Pressure (PSI)	130.5 / 435.1 (*2)
	Wiring (Indoor to Outdoor)	4C- 16 AWG
	Wiring (Outdoor unit to Power Disconnect)	3C- 8 AWG

*1. When the total length of liquid line is over 131 ft, the additional refrigerant charge is required.

*2. Design Pressure is rated under the following conditions: Indoor: Dry Bulb 80 °F, Wet-Bulb 67 °F; Outdoor: Dry-Bulb 95 °F, 75 °F.

*3. Quad Zone uses 3/8” to 1/2” adaptor for 12K and 18K indoor units. Not required for 9K BTU indoor unit.

*4. Each unit’s height, not accumulative. Example: 2 indoor units, each unit can be a maximum of 32.8 ft vertical. (NOTE: Outdoor unit must connect to at least TWO indoor units).

Installation Kits

CTK's include insulated liquid and suction lines with fittings.

Installation Kits		
IRP Part #	**URI Part**	**Description**
239-0001	CTK141225	Line sets, COPPER TUBING WITH INSULATION, 25 Feet Long of 1/4" wall insulated copper tubing with flare fitting - 1/4" OD & 1/2" OD
239-0002	CTK141250	Line sets, COPPER TUBING WITH INSULATION, 50 Feet Long of 1/4" wall insulated copper tubing with flare fitting - 1/4" OD & 1/2" OD
239-0003	CTK385825	Line sets, COPPER TUBING WITH INSULATION, 25 Feet Long of 1/4" wall insulated copper tubing with flare fitting - 3/8" OD & 5/8" OD
239-0004	CTK385850	Line sets, COPPER TUBING WITH INSULATION, 50 Feet Long of 1/4" wall insulated copper tubing with flare fitting - 3/8" OD & 5/8" OD
239-0005	CTK143825	Line sets, COPPER TUBING WITH INSULATION, 25 Feet Long of 1/4" wall insulated copper tubing with flare fitting - 1/4" OD & 3/8" OD
239-0006	CTK143850	Line sets, COPPER TUBING WITH INSULATION, 50 Feet Long of 1/4" wall insulated copper tubing with flare fitting - 1/4" OD & 3/8" OD
239-0007	CTK145825	Line sets, COPPER TUBING WITH INSULATION, 25 Feet Long of 1/4" wall insulated copper tubing with flare fitting - 1/4" OD & 5/8" OD
239-0008	CTK145850	Line sets, COPPER TUBING WITH INSULATION, 50 Feet Long of 1/4" wall insulated copper tubing with flare fitting - 1/4" OD & 5/8" OD
239-0009	AK25	Accessory kit, 25 feet of 4 conductor cable - 14 AWG, UL (14/4, white,red, black, green with black jacket), 25 feet of 2 conductor cable - 14 AWG, UL (14/2, white, black with gray jacket), 25 feet of drain hose, 64 ft of PVC tape, 3" wall sleeve, sealing putty
239-0010	AK50	Accessory kit, 50 feet of 4 conductor cable - 14 AWG, UL (14/4, white,red, black, green with black jacket), 50 feet of 2 conductor cable - 14 AWG, UL (14/2, white, black with gray jacket), 50 feet of drain hose, 128 ft of PVC tape, 3" wall sleeve, sealing putty

CTK = copper tubing Kit

1st two numerical digits = liquid line size

2nd two numerical digits = suction line size

3rd two numerical digits = copper tubing length

AK = Accessory kit

1st two numerical digits = Length of cable, etc

Line Set Matrix

Product Code	Model Number	(239-0001) CTK141225 1/4”x1/2”x25’	(239-0002) CTK141250 1/4”x1/2”x50’	(239-0003) CTK385825 3/8”x5/8”x25’	(239-0004) CTK385850 3/8”x5/8”x50’	(239-0005) CTK143825 1/4”x3/8”x25’	(239-0006) CTK143850 1/4”x3/8”x50’	(239-0007) CTK145825 1/4”x5/8”x25’	(239-0008) CTK145850 1/4”x5/8”x50’
240-1360	MS29A13115A	x	x						
240-2001	MSC49A14115B	x	x						
242-1001	MSM09A43YA					x	x		
240-1361	MS212A13115A	x	x						
240-2002	MSC41214115B	x	x						
242-1002	MSM12A43YA	x	x						
240-1362	MS212A13240A	x	x						
240-2003	MSC418A14230B			x	x				
242-1004	MSM18A43ZA	x	x						
240-2006	MSC424A14230B			x	x				
242-1005	MSM24A43ZA			x	x				
240-3001	MSC49HP13115A	x	x						
240-3008	MSC412HP13115B	x	x						
242-1102	MSM12H43YA	x	x						
240-1372	MS412HP13240A	x	x						
240-3003	MSC418HP13230B			x	x				
242-1104	MSM18H43ZA	x	x						
242-1105	MSM24H43ZA			x	x				
240-3005	MSCE418HP13230			x	x				
240-3006	MSCE424HP13230			x	x				
241-3001	MS49A23115A					x	x		
241-3002	MS412A22115A	x	x						
241-3004	MS418A20230A	x	x						
241-3005	MS424A19230A							x	x
241-1001	MS49HP23115A					x	x		
241-1002	MS412HP22115A	x	x						
241-1004	MS418HP20230A	x	x						
241-1005	MS424HP19230A							x	x
241-1009-E* (indoor unit)	9MH46ZIGX					x	x		
241-1012-E* (indoor unit)	12MH46ZIGX	x	x						
241-1018-E* (indoor unit)	18MH46ZIGX	x	x						

*** Adapter to match outdoor unit (dual and quad only) included with indoor unit.**

Note: Accessory kits AK25 (25 ft.) / AK50 (50 ft.) includes, cable (14awg. 2C & 4C), 3” wall sleeve, drain tubing, tape and putty.

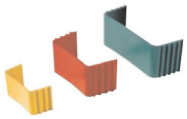
Condensate Removal Pumps

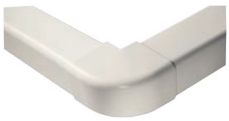
PART NUMBER	DESCRIPTION
410-0122	Miniature condensate pump, N.O. contacts, 115 VAC, ETL approved, water protection IP64, 21 dBA
410-0123	Miniature condensate pump,N.O. contacts, 220/240 VAC, ETL approved, water protection IP64, 21 dBA
410-0124	Easy Fix accessories, Leveling support, Anti-vibration pad, Pump mount
410-0127	Flowatch Pump with Install Kit, N.O. Contacts ,115 VAC
410-0128	Flowatch Pump with Install Kit, N.O. Contacts, 220/240 VAC

Mounting Brackets For Mini-Split

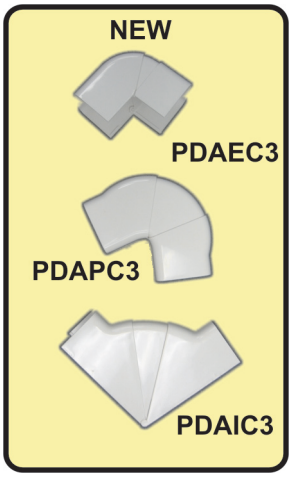
PART NUMBER	DESCRIPTION
7100-0003	**BR-440** Mounting Bracket for mini-Split, Wall type with top bar, weight capacity not greater than 440 lbs., with mounting hardware, 7.16 wt., 16.5" base leg length. *while supplies last
7100-0004	**BR-440L** (Changed leg length) Mounting Bracket for mini-Split, Wall type with top bar, weight capacity not greater than 440 lbs., with mounting hardware, 4" longer leg base, 7.76 wt., 20.5" base leg length.

PlasiDuct





Adjustable



PlastiDuct is an Attractive and Stylish Solution for Hiding Tubing and Pipe.

- High Quality PVC
- UV & Shock Resistant
- Paintable PVC to Match Surroundings
- Non-flammable
- UL94Temperature Acceptability -4 to 140

UR CATALOG NUMBER	IRP PRODUCT CODE NUMBER	DESCRIPTION	WEIGHT (LBS)	QTY
PD3	415-0001	CANALSPLIT 08, Code 0812 BC, 2 meter lengths (6.5 Ft), 16 meters per carton (52.5 Ft approx.)	5.00	8
PD4	415-0002	CANALSPLIT 12, Code 1212 BC, 2 meter lengths (6.5 Ft), 8 meters per carton (26.25 Ft approx.)	5.00	4
PDC3	415-0003	Brackets, FAST block, Code 0803 ST (red color), 30 per pack	0.04	30
PDC4	415-0004	Brackets, FAST block, Code 1203 ST (green color), 20 per pack	0.04	20
PDCJ3	415-0005	Cover Joint, Code 0804 GC, 30 per pack	0.04	30
PDCJ4	415-0006	Cover Joint, Code 1204 GC, 20 per pack	0.07	20
PDIC3	415-0007	Internal Corner, Code 0805 AI, 6 per pack	0.18	6
PDIC4	415-0008	Internal Corner, Code 1205 AI, 4 per pack	0.31	4
PDEC3	415-0009	External Corner, Code 0806 AE, 9 per pack	0.16	9
PDEC4	415-0010	External Corner, Code 1206 AE, 6 per pack	0.29	6
PDFC3	415-0011	Plane Curve, Code 0807 CP, 8 per pack	0.20	8
PDFC4	415-0012	Plane Curve, Code 1207 CP, 6 per pack	0.38	6
PDECAP3	415-0013	End Cap, Code 0808 TT, 9 per pack	0.13	9
PDWE3	415-0014	Corner Wall Elbow, Code 0809 CM, 6 per pack	0.29	6
PDWE4	415-0015	Corner Wall Elbow, Code 1209 CM, 4 per pack	0.28	4
PDWP3	415-0016	Wall Passage, Code 0810 PM, 8 per pack	0.38	8
PDWP4	415-0017	Wall Passage, Code 1210 PM, 8 per pack	0.11	8
PDT3	415-0018	"T" Shunt, Code 0813 DT, 4 per pack	0.29	4
PDT4	415-0019	"T" Shunt, Code 1213 DT, 2 per pack	0.11	2
PDR4	415-0020	Reduction, Code 1280 RI, 8 per pack	0.14	8
PDF18	415-0021	Floor Support, Code 0450 SP, 24 per pack, Color RAL 1013, 45 cm long (18")	0.13	24
PDF39	415-0022	Floor Support, Code 1000 SP, 4 per pack, Color RAL 1013, 1 meter long (39")	0.38	4
PDFC	415-0023	Cap for Floor Support, Code 0341 TS, Color RAL 1013, 24 per pack	0.07	24
PDAIC	415-0024	Adjustable Corner, 80°- 105°, 6 pcs per pack	0.28	4
PDAEC3	415-0025	Adjustable External Corner, 70°- 120°, 6 pcs per pack	0.13	6
PDAPC3	415-0026	Adjustable Plane Curve, 65°- 130°, 6 pcs per pack	0.13	6

Window Units
Remote Controlled Models

FEATURES

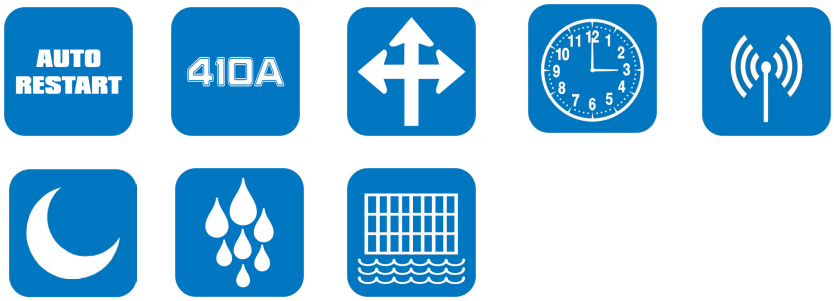
- Multiple Functions - Cooling, Dehumidifying & Fan Ventilation
- Installation Kit with Expandable Side Panels
- Retracting Louvers

WAC 4 6 115 R

- WAC — WINDOW AC
- 4 — 410A
- 6 — COOLING BTU
- 115 — 115V
- R — REMOTE

THERMAL ZONE

5 yr/ 1 yr



NEW NEW NEW

Product Code	421-0005	421-0008	422-0008	421-0011	422-0011	421-0015	422-0015
Model Number	WAC46115R	WAC48115R	WAC48115RX	WAC410115R	WAC410115RX	WAC412115R	WAC412115RX
BTU Cooling	6000	8000	8000	10200	10000	12000	12000
BTU Heating	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EER	9.7	9.8	9.8	9.8	9.8	9.8	9.8
Dehumidification (pints/hour)	/	/	1.6	2.54	2	3.58	2.2
Airflow (CFM)	188	206	218 / 177 / 147	294	300 / 262 / 229	277	265 / 243 / 202
Voltage	115	115	115	115	115	115	115
Frequency / Cycle	60HZ	60HZ	60HZ	60HZ	60HZ	60HZ	60HZ
Amps Cooling	5.6	7.9	7.1	9.7	9.4	11.3	11
Amps Heating	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Watts Cooling	620	820	816	1040	1020	1220	1225
Watts Heating	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Plug Type / Nema #	NEMA 5-15P	NEMA 5-15P	NEMA 5-15P	NEMA 5-15P	NEMA 5-15P	NEMA 5-15P	NEMA 5-15P
Power Cord Rating/ amps	13A	13A	13A	15A	15A	15A	15A
Power Cord Type	LCDI	LCDI	LCDI	LCDI	LCDI	LCDI	LCDI
Power Cord Length	72”	72”	76 3/4	72”	78 3/4	72”	78 3/4
Refrigerant	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant Charge/ Oz.	12.35	14.11	11.46	17.64	12.72	20.11	18.73
Sound (Indoor/Outdoor) dba	58/62	60/64	61/57/53	58/66	59/57/55	58/66	60/57/52
4 Way Air Adjustment	Yes	Yes	Yes	Yes	Yes	Yes	Yes
2 Way Air Swing	NO	NO	Yes	NO	Yes	NO	Yes
Air Discharge	top front	top front	top front	top front	top front	top front	top front
Motor Type	ball bearing	ball bearing	ball bearing/AC	ball bearing	ball bearing/AC	ball bearing	ball bearing/AC
Motor Capacitor / mfd	6 μF	15 μF	15 μF	15 μF	15 μF	15 μF	15 μF
Controls	Remote	Remote	Remote	Remote	Remote	Remote	Remote
Operating Range	64-109 °F	64-109 °F	64-109 °F	64-109 °F	64-109 °F	64-109 °F	64-109 °F
Cabinet Size/ inches							
Width	18 9/16”	18 9/16”	19 1/8	19”	19 11/16	19”	19 11/16
Depth	15 3/4”	15 3/4”	15 3/4	21 1/4”	19	21 1/4”	20 15/16
Height	12 3/4”	12 3/4”	12 5/8	14 9/16”	14 3/4	14 9/16”	14 3/4
Window Opening Width (min / max)	21”-38.1”	21”-38.1”	23-36	22”-36”	23-36	22”-36”	23-36
Thru. Wall Max. Thickness (Inches)	4 23/32”	4 31/32	4 31/32	9 1/4”	6 15/16	9 1/4”	7 5/16
N.W. / G.W lbs.	46/53	50/57	55 / 47	67/74	66 / 56	68/75	72.7 / 65
Approvals	cULus	cULus	cULus	cULus	cULus	cULus	cULus
Cross Reference #	421-0055	422-0058	422-0058	422-0061	422-0061	422-0065	422-0065
	WA46YR	WA48YRX	WA48YRX	WA410YRX	WA410YRX	WA412YRX	WA412YRX

Window Units
Remote Controlled Models

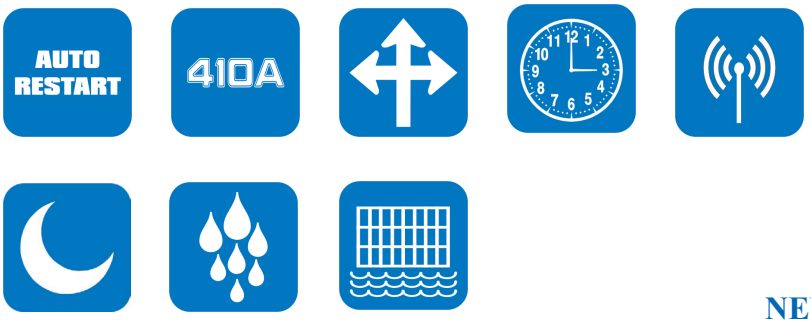
WAC 4 6 115 R
- WAC = WINDOW AC
- 4 = 410A
- 6 = COOLING BTU
- 115 = 115V
- R = REMOTE

THERMAL ZONE

5 yr/ 1 yr

FEATURES

- Multiple Functions - Cooling, Dehumidifying & Fan Ventilation
- Installation Kit with Expandable Side Panels
- Retracting Louvers
- Slide Out Galvanized Steel Cabinet For Easy Installation (*)



			NEW *	NEW *			NEW *
Product Code	**421-0013**	**421-0018**	**422-0018**	**422-0025**	**421-0021**	**422-0028**
Model Number	**WAC412230R**	**WAC418230R**	**WAC418230RX**	**WAH418230RX**	**WAC424230R**	**WAC428230RX**
BTU Cooling	12000/12300	17600/18000	18500/18200	18500/18200	23500/24000	28500/28000
BTU Heating	N/A	N/A	N/A	16000/13000	N/A	N/A
EER	9.8	9.7	9.7	9.7	8.5	8.5
Dehumidification (pints/hour)	3.38	11.4	3.3	3.3	7.82	5.4
Airflow (CFM)	277	518	441/394/353	459/406/347	482	541/500/447
Voltage	208 / 230	208/230	230/208	230/208	208/230	230/208
Frequency / Cycle	60HZ	60HZ	60HZ	60HZ	60HZ	60HZ
Amps Cooling	6.2 / 5.8	8.9/8.4	8.4/9.1	8.4/9.1	14.0/13.0	14.8/16.0
Amps Heating	N/A	N/A	N/A	22/20	N/A	N/A
Watts Cooling	1220 / 1260	1820/1860	1907/1876	1907/1870	2770/2830	3353/3294
Watts Heating	N/A	N/A	N/A	4977/4141	N/A	N/A
Plug Type / Nema #	NEMA 6-15P	NEMA 6-15P	NEMA 6-15P	NEMA 6-30P	NEMA 6-20P	NEMA 6-30P
Power Cord Rating/ amps	15A	15A	15A	25A	20A	25A
Power Cord Type	LCDI	LCDI	LCDI	LCDI	LCDI	LCDI
Power Cord Length	61”	48”	78 3/4	78 3/4	48”	78 3/4
Refrigerant	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant Charge/ Oz.	20.4	29.98	23.28	23.28	39.51	38.8
Sound (Indoor/Outdoor) dba	58 / 66	61/65	60.5/55.8/53.2	61/58/55	60/65	63/59/56
4 Way Air Adjustment	Yes	Yes	Yes	Yes	Yes	Yes
2 Way Air Swing	NO	NO	Yes	Yes	NO	Yes
Air Discharge	top front	top front	top front	top front	top front	top front
Motor Type	ball bearing	ball bearing	ball bearing/AC	ball bearing/AC	ball bearing	ball bearing/AC
Motor Capacitor / mfd	4-5 μF	8 μF	8 μF	8 μF	8 μF	8 μF
Controls	Remote	Remote	Remote	Remote	Remote	Remote
Operating Range	64-109 °F	64-109 °F	64-109 °F	23-109 °F	64-109 °F	64-109 °F
Cabinet Size/ inches						
Width	19”	23 5/8”	23 5/8	23 5/8	26 17/32”	26 1/2
Depth	21 1/4”	24”	25 1/2	25 1/2	26 5/16”	25 1/2
Height	14 9/16”	17 11/16”	17 3/16	17 3/16	18 5/8”	18 5/8
Window Opening Width (min / max)	22”-36”	26 1/2’’ -40 1/2’’	26 1/2-40 1/2	26 1/2-40 1/2	31”-43”	31-42
Thru. Wall Max. Thickness (Inches)	9 1/4”	6 11/16”	10	10	7 1/4”	10
N.W. / G.W lbs.	68 / 75	112/123	121.3/108	127/114	134/152	151/136.7
Approvals	cULus	cULus	cULus	cULus	cULus	cULus
Cross Reference #		421-0068	421-0068	422-0075	421-0071	422-0078
	WA412ZR	WA418ZR	WA418ZRX	WH418ZRX	WA424ZR	WA428ZRX

Window Units
Manual Controlled Models

5 yr/ 1 yr

FEATURES

- Multiple Functions - Cooling, Dehumidifying & Fan Ventilation
- Installation Kit with Expandable Side Panels
- Retracting Louvers
- Slide Out Galvanized Steel Cabinet for Easy Installation (*)

WAC 4 8 115 M

- WAC: WINDOW AC
- 4: 410A
- 8: COOLING BTU
- 115: VOLTS
- M: MANUAL CONTROL

AUTO RESTART | 410A

Product Code	421-0016	421-0027	421-0022	421-0023	421-0024 *	421-0025 *	421-0026 *
Model Number	WAC412115M	WAC412230M	WAC424230M	WAH48115M	WAH412230M	WAH418230M	WAH424230M
BTU Cooling	12000	12000/12300	23500/24000	8000	11600/12000	17600/18000	23500/24000
BTU Heating	N/A	N/A	N/A	3800	8700/11000	8700/11000	8700/11000
EER	9.8	9.8	8.5	9.8	9.8	9.7	8.5
Dehumidification (pints/hour)	3.17	3.17	7.8	1.3	2	11.4	7.8
Airflow (CFM)	277	277	483	271	271	506	471
Voltage	115	208/230	208/230	115	208/230	208/230	208/230
Frequency / Cycle	60HZ	60HZ	60HZ	60HZ	60HZ	60HZ	60HZ
Amps Cooling	11.3	6.2/5.8	14.0/13.0	7.8	5.9/5.5	8.9/8.4	14.0/13.0
Amps Heating	N/A	N/A	N/A	12	14.6/16.0	15.6/16.0	15.6/16.0
Watts Cooling	1220	1220/1260	2770/2830	820	1180/1230	1820/1860	2770/2830
Watts Heating	N/A	N/A	N/A	1380	2765/3575	3030/3680	3030/3680
Plug Type / NEMA #	NEMA 5-15P	NEMA 6-15P	NEMA 6-20P	NEMA 5-15P	NEMA 6-20P	NEMA 6-20P	NEMA 6-20P
Power Cord Rating / amps	15A	13A	20A	15A	20A	20A	20A
Power Cord Type	LCDI	LCDI	LCDI	LCDI	LCDI	LCDI	LCDI
Power Cord Length	72”	71”	48”	72”	48”	48”	48”
Refrigerant	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant Charge / Oz.	20.11	20.46	39.51	13.93	22.22	29.98	39.51
Sound (Indoor/Outdoor) dba	55/66	55/66	60/65	60/64	60/64	61/65	60/65
4 Way Air Adjustment	Yes	Yes	Yes	Yes	Yes	Yes	Yes
2 Way Air Swing	NO	NO	NO	NO	NO	NO	NO
Air Discharge	top front	top front	top front	top front	top front	top front	top front
Motor Type	ball bearing	ball bearing	ball bearing	ball bearing	ball bearing	ball bearing	ball bearing
Motor Capacitor / mfd	15 μF	5 μF	8 μF	15 μF	4 μF	8 μF	8 μF
Controls	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Operating Range	64-109 °F	64-109 °F	64-109 °F	<109 °F	<109 °F	<109 °F	<109 °F
Cabinet Size / inches							
Width	19”	19”	26 17/32”	22 19/32”	22 19/32”	23 5/8”	26 17/32”
Depth	21 1/4”	21 1/4”	26 5/16”	23 5/8”	23 5/8”	24”	26 5/16”
Height	14 9/16”	14 9/16”	18 5/8”	15 5/16”	15 5/16”	17 11/16”	18 5/8”
Window Opening Width (min / max)	22”-36”	22”-36”	31”-43”	27”-38”	27”-38”	26 1/2’’ -40 1/2’’	31”-43”
N.W. / G.W lbs.	68/75	65/75	134/152	79/91	90/103	117/128	139/157
Approvals	cULus	cULus	cULus	cULus	cULus	cULus	cULus
Cross Reference #	421-0066 WA412YM	421-0077 WA412ZM	421-0072 WA424ZM	421-0073 WH48YM	421-0074 WH412ZM	421-0075 WH418ZM	421-0076 WH424ZM

Window Units
Heat Pump with Remote

FEATURES

- Multiple Functions - Cooling, Dehumidifying & Fan Ventilation
- Installation Kit with Expandable Side Panels
- Retracting Louvers
- Slide Out Galvanized Steel Cabinet for Easy Installation (*)

AUTO RESTART | 410A

"Available Late Spring 2012"

NEW *

NEW *

Model Number	WHP412230R	WHP418230R
Product Code	421-0029	421-0030
Rated Voltage (VAC)	208-230	208-230
Cooling Capacity	11200 / 11600	17000 / 17300
Heating Capacity	10000 / 10300	15700 / 16000
Electric Heat Capacity	8500 / 10700	9000 / 11000
EER Rating	9.5	9
COP Rating	8.9	8.9
Dehumidification (pints/hr)	4.54	7.45
Air Flow Max (CFM)	282	570
Operating Voltage Range (VAC)	198 to 253	198 to 253
Frequency/Cycle	60	60
Cooling Amps	5.9 / 5.5	9.0 / 8.5
Cooling Watts	1180 / 1220	1880 / 1920
Heating Amps	5.6 / 5.1	8.8 / 8.3
Heating Watts	1130/1160	1770 / 1800
Electric Heat Amps	14.6/16	15.6/16
Electric Heat Watts	2765 / 3575	3030 / 3680
Plug Type - LCDI	NEMA 6-20P	NEMA 6-20P
Power Cord Rating (amps)	18A	20A
Power Cord Length (Inches)	59"	59"
Minimum Circuit Breaker Size (amps)	20A	20A
Minimum Circuit Capacity (amps)	20A	20A
Refrigerant Charge - R410a (oz.)	28.22	35.27
Max dbA Level (Indoor/Outdoor)	62 / 66	62 / 66
4 Way Air Adjustment	Yes	N/A
2 Way Air Swing	N/A	Yes
Air Discharge	top front	side
Motor Type	ball bearing	ball bearing
Fan Motor Capacitor (MFD)	4 μF	7 μF
Controls	Remote	Remote
Ambient Operating Temperature	<109 °F	<109 °F
Unit Size (Inches)		
Width	22 19/32	25 3/4
Depth	23 5/8	16 27/32
Height	15 5/16	25 31/32
Window Width Opening (Inches)	27" to 39"	30" to 38.1"
Thru. Wall Max. Thickness (Inches)	5 1/2	9
Weight Gross/Net. (Lbs)	95.9 / 114.6	160.9 / 143.3
Certification	cULus	cULus

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.

"Available Late Spring 2012"

	NEW **	NEW **	NEW **	*	*
Model Number	**STW48AYX**	**STW410AYX**	**STW412AYX**	**TTW412A230**	**TTW412HP230**
Product Code	**423-0040**	**423-0041**	**423-0042**	**423-0006**	**423-0007**
Power Source Rated Voltage (VAC)	115	115	115	208/230	208/230
Rated Frequency (HZ)	60	60	60	60	60
Phase	1	1	1	1	1
Cooling Capacity (BTU/H)	8000	10000	12000	11400/11800	11400/11800
Heating Capacity (BTU/H) (HP)	N/A	N/A	N/A	N/A	9000/11000
Set Point Min./Max. (Cool and Heat)	62°F / 86°F	62°F / 86°F	62°F / 86°F	61°F/ 86°F	61°F/ 86°F
Cooling Power Input (W)	850	1064	1270	1200/1160	1200/1160
Heating Power Input (W) (HP)	N/A	N/A	N/A	N/A	2900/3500
Electric Heater (W)	N/A	N/A	N/A	N/A	3500
Cooling Power Current (A)	8	9.6	11.5	5.6/6.0	5.6/6.0
Heating Power Current (A)	N/A	N/A	N/A	N/A	N/A
Rated Input (W) (Cool / Heat)	N/A	N/A	N/A	1500	C (1500) H (3500)
Rated Current (A) (Cool / Heat)	N/A	N/A	N/A	8.1	C (8.1) H (15)
Air Flow Volume (CFM) (H/M/L)	449/389/339	450/387/334	464/424/379	283/259/235	283/259/235
Dehumidifying Volume (PINTS/DAY)	N/A	N/A	N/A	81	81
EER (BTU/WH)	2.71	2.75	2.75	9.8	9.8
COP	N/A	N/A	N/A	N/A	3
Application Area (FT2)	129 to 193	129 to 193	129 to 193	172 TO 258	172 to 258
Climate Type	T1	T1	T1	T1	T1
Isolation	I	I	I	I	I
Moisture Protection	IP24	IP24	IP24	IP24	IP24
Permissible Excessive Operating Pressure for the Liquid Side	520	520	520	551 PSIG	551 PSIG
Permissible Excessive Operating pressure for the Suction Side	300	300	300	174 PSIG	174 PSIG
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"	25"X15.3"X21.7"	25"X15.3"X21.7"
Dimension of Carton Box (L/W/H)	27 11/16" x 26 5/16" x 15 3/4"	27 11/16" x 26 5/16" x 15 3/4"	27 11/16" x 26 5/16" x 15 3/4"	28.6"X24.3"X17.1"	28.6"X24.3"X17.1"
Dimension of Package (L/W/H)	27 15/16"x26 9/16"x16"	27 15/16"x26 9/16"x16"	27 15/16"x26 9/16"x16"	28.7"X24.4"X17.7"	28.7"X24.4"X17.7"
Net Weight (LBS) Net Weight	58.3	60.5	68	94.8	97
Gross Weight (LBS) Gross Weight	68.2	68.2	77.9	101.4	103.6
Refrigerant	R410A	R410A	R410A	R410A	R410A
Refrigerant Charge (LBS)	0.79	0.93	1.24	1.39	1.39

* **Will be changing to Sea Breeze model STW412AZ and STW412HZ.**

** **Only offered in Sea Breeze brand.**

Through The Wall Units

	NEW	NEW	NEW		
INDOOR SIDE	**STW48AYX**	**STW410AYX**	**STW412AYX**	**TTW412A230**	**TTW412HP230**
Fan Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Diameter Length (DXL)	*	*	*	8" X 3.9"	8" X 3.9"
Fan Motor Speed (H/M/L)	*	*	*	1070/1000/920	1070/1000/920
Output of Fan Motor (W)	*	*	*	30	30
Fan Motor RLA (A)	*	*	*	0.66	0.33
Fan Motor Capacitor (μF)	*	*	*	4	1.5
Evaporator Form	Aluminum Fin	Aluminum Fin	Aluminum Fin	Aluminum Fin	Aluminum Fin
Pipe Diameter	*	*	*	Ø 0.276"	Ø 0.276"
Row-fin Gap	*	*	*	3-0.055"	3-0.055"
Coil Length (LXDXW)	*	*	*	17.16"X1.5"X9"	17.16"X1.5"X9"
Swing Motor Model	*	*	*	~	~
Output of Swing Motor	*	*	*	~	~
use (A)	*	*	*	3.15	3.15
Sound Pressure Level	57/53/49	57/53/51	60/58/56	58/56/54	58/56/54
dB (A) (H/M/L)	*	*	*		
Sound Power Level (A) (H/M/L)	*	*	*	68/66/64	68/66/64
OUTDOOR SIDE					
Compressor Manufacturer/	*	*	*	Rechi	Rechi
Compressor Model	*	*	*	44A282A	44A282A
Compressor Oil	*	*	*	RB 68EP	RB 68EP
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary
L.R.A. (A)	*	*	*	29.5	29.5
Compressor RLA (A)	*	*	*	5	5
Compressor Pwr Input (W)	*	*	*	1125	1125
Overload Protector	Thermal	Thermal	Thermal	B245-140K-141H	B245-140K-141H
Throttling Method	Capillary	Capillary	Capillary	Capillary	Capillary
Operation Temp	*	*	*	64ºF~86ºF (18ºC-30ºC)	64ºF~86ºF (18ºC-30ºC)
Ambient Temp (Cooling)	*	*	*	64ºF~109ºF(18ºC-43ºC)	64ºF~109ºF(18ºC-43ºC)
Ambient Temp (Heating)	*	*	*	~	≤75.2ºF (24ºC)
Condenser Form	Aluminum Fin Copper Tube	Aluminum Fin Copper Tube	Aluminum Fin Copper Tube	Aluminum Fin Copper Tube	Aluminum Fin Copper Tube
Pipe Diameter	*	*	*	Ø197"+ Ø0.276"	Ø197"+ Ø0.276"
Rows-Fin Gap	*	*	*	3 - 0.059" /	2 - 0.051"
	*	*	*	2 - 0.059"	/ 2 - 0.059"
Coil Length	*	*	*	17.8" X 1.34" X 12.76"	17.8" X 0.91" X 12.76"
(LXDXW)	*	*	*	17.8" X 0.98" X 2.99"	17.8" X 0.98" X 2.99"
Fan Motor Speed (RPM)	*	*	*	1600	1600
Output of Fan Motor (W)	*	*	*	65	65
Fan Motor RLA (A)	*	*	*	0.6	0.6
Fan Motor	*	*	*	2.5	2.5
Fan Type	Axial-flow	Axial-flow	Axial-flow	Axial-flow	Axial-flow
Fan Diameter	*	*	*	13.7"	13.7"
Sound Pressure Level	66/60/56	63/59/56	71/69/67	66/64/62	66/64/62
dB (A) (H/M/L)	*	*	*		
Sound Power Level	*	*	*	76/74/72	76/74/72
B (A) (H/M/L)	*	*	*		
Defrosting Method	~	~	~	~	Auto Defrost
Breaker Size	15 AMPS	15 AMPS	15 AMPS	15 AMPS	20 AMPS
Wall Sleeve 26" (optional)	423-0050	423-0050	423-0050	423-0020	423-0020

* For updated specifications please check our website.

PTAC
Package Terminal Air Conditioning Units

Seabreeze PTAC units are an excellent option for the hospitality industry. They have a universal size to fit other PTAC sleeves for easy replacement and can change to 2KW, 3KW, or 5KW electric heater with a quick connect plug. Flexi Plug helps reduce inventory requirements.

Heater Options

2KWPC - 2KW, 20 Amp, LCDI plug (425-0021) NEMA 6-20P
used to convert to 2KW

3KWPC - 3KW, 20 Amp, LCDI plug (425-0022) NEMA 6-20P
included with ALL Units

5KWPC - 5KW, 30 Amp, LCDI plug (425-0023) NEMA 6-30P
used to convert to 5K

Not for use with 425-0009 and 425-0010

AUTO RESTART | 410A

Product Code	425-0009	425-0010	425-0011	425-0012	425-0013	425-0014
Model Number	PTAC49CH3ZX	PTAC49HP3ZX	PTAC412CH3ZX	PTAC412HP3ZX	PTAC415CH3ZX	PTAC415HP3ZX
Voltage Rating (V/Ph/Hz)	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Cooling Capacity (Btu/Hr)	9,000	9,000	12,000	12,000	15,000	15,000
Heating Capacity (Btu/Hr)	N/A	8,100	N/A	10,700	N/A	13,800
Electric Heating (Watts)	3,000	3,000	3,000	3,000	3,000	3,000
Dehumidification (Pts/Hr)	1.71	1.82	3.49	3.49	4.65	4.65
EER (Btu/W)	11.3	11.3	10.7	10.7	9.8	9.8
COP (Btu/W)	N/A	3.3	N/A	3.1	N/A	2.9
Compressor Type	MITSUBISHI	SAMSUNG	SAMSUNG	SAMSUNG	PANASONIC	PANASONIC
Air Flow (H/M/L/) CFM	312/294/277	312/294/277	341/324/306	341/324/306	341/324/306	341/324/306
Power Input (Watts) (cool/heat mode	800 / N/A	800 / 720	1120 / N/A	1120 / 1010	1530 / N/A	1530 / 1390
Rated Current (Amps) (compressor and fan in cool/heat mode).	5 / N/A	5.6 / 4.9	8.1 / N/A	8.1 / 6.9	10.5 / N/A	10.5 / 11
Full Load Current (Amps)	208VAC - 14.7A	208VAC - 14.7A	208VAC - 14.7A	208VAC - 14.7A	208VAC - 14.7A	208VAC - 14.7A
[3KW electric heat and fan.]	230VAC - 13.7A	230VAC - 13.7A	230VAC - 13.7A	230VAC - 13.7A	230VAC - 13.7A	230VAC - 13.7A
Breaker Min. Size (Amps)	20A (3KW)	20A (3KW)	20A (3KW)	20A (3KW)	20A (3KW)	20A (3KW)
Plug Type (LCDI)	NEMA 6-20P	NEMA 6-20P	NEMA 6-20P	NEMA 6-20P	NEMA 6-20P	NEMA 6-20P
Noise Level Max. (dBa) Indoor/Outdoor	51/62	51/62	53/65	53/65	53/65	53/65
Coil Type	Aluminum Fin Copper Tube	Aluminum Fin Copper Tube	Aluminum Fin Copper Tube	Aluminum Fin Copper Tube	Aluminum Fin Copper Tube	Aluminum Fin Copper Tube
Unit Dimensions (W x D x H) Inches	42.1 X 21.5 x 16	42.1 X 21.5 x 16	42.1 X 21.5 x 16	42.1 X 21.5 x 16	42.1 X 21.5 x 16	42.1 X 21.5 x 16
Pkg Dimensions (W x D x H) Inches	44.9 X 18.1 x 25.3	44.9 X 18.1 x 25.3	44.9 X 18.1 x 25.3	44.9 X 18.1 x 25.3	44.9 X 18.1 x 25.3	44.9 X 18.1 x 25.3
Weight (Net/Shipping) Lbs	111/131	114/133	116/136	118/138	119/139	121/141
Refrigerant Type/Charge	R410A / 2.09 lbs	R410A / 2.09 lbs	R410A / 2.2 lbs	R410A / 2.2 lbs	R410A / 2.38 lbs	R410A / 2.38 lbs
Certifications	UL & CSA	UL & CSA	UL & CSA	UL & CSA	UL & CSA	UL & CSA
Warranty (Compressor/Parts)	5 YEARS / 1 YEAR	5 YEARS / 1 YEAR	5 YEARS / 1 YEAR	5 YEARS / 1 YEAR	5 YEARS / 1 YEAR	5 YEARS / 1 YEAR

PTAC Accessories

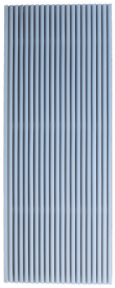
Seabreeze PTAC's have many different accessories to customize for the job requirement.

Parts Sold Separately

PART NUMBER	DESCRIPTION
425-0019	Wall Sleeve (42" x 16" x 13 3/4")
425-0021	2KWPC Power Cord
425-0022	3KWPC Power Cord
425-0023	5KWPC Power Cord
425-0024	Outdoor Louvered Grill
425-0025	Clear Anodized Grill
425-0027	Outdoor Soft Dove Powder Coated
425-0028	PTAC Drain Kit
425-0029	PTAC Leveling Legs

425-0023
Power Cord

425-0024
Outdoor Louvered Grill



425-0025
Clear Anodized Grill

425-0028
PTAC Drain Kit

425-0029
PTAC Leveling Legs

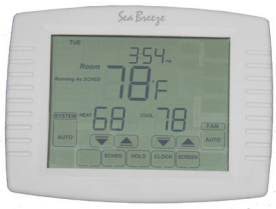
Thermostat Options

PART NUMBER	DESCRIPTION
435-0014	WTS32 Wireless Thermostat & Receiver
435-0005	TSN11X Room Thermostat
435-0006	TSP12X Room Thermostat
435-0007	THN13X Room Thermostat
435-0008	THP14X Room Thermostat
435-0009	STS11 Touch Screen Thermostat
435-0010	STS32 Touch Screen Thermostat
435-0012	Outdoor Sensor For Thermostats
435-0013	Indoor Sensor For Thermostats

NEW

435-0014
Wireless Thermostat & Receiver with table stand and battery charger.

435-0005
TSN11X Room Thermostat



435-0009
STS11Touch Screen Thermostat

Portable Air Conditioning Units

The Sea Breeze Portable Air Conditioning unit is a quick and easy solution for cooling a hard to reach spot without a permanent installation.

Sea Breeze

5 yr/ 1 yr

AUTO RESTART | 410A

While Supplies Last

Product Code	250-0015	250-0016	250-0013
Model Number	**PAS412**	**PAS412HP**	**PAD9**
Description	Single Pipe	Single Pipe	Dual Pipe
Cooling Capacity	12000 BTU/h	12000 BTU/h	9,000 BTU/h
Heating Capacity	N/A	10000 BTU/h	N/A
Rated Voltage	115 VAC	115 VAC	115 VAC
Rated Frequency	60 HZ	60 HZ	60 HZ
Rated Cooling Current	12.5 A	12.5 A	11.2 A
Rated Cooling Power	1420 W	1420 W	1260 W
Heating Rated Current	N/A	9.5 A	N/A
Rated Heating Power	N/A	1090W	N/A
EER	8.2	8.2	
Cycling Airflow	235/206/176	235/206/176	206
Refrigerant	R410A/23oz/1.43 Lbs	R410A/23oz/1.43 Lbs	R22
Noise (class)	65 db(A)	65 db(A)	58 db(A)
Weight (net wt)	68.2 LBS	70.5 LBS	88 LBS
Weight (gross wt)	92.4 LBS	94.8 LBS	
Unit Dimensions (W/H/D)	17.72/33/14.57 Inches	17.72/33/14.57 Inches	22.5/33.25/17.75 Inches
Dehumidifying Volume	10.14 gallon/day	10.14 gallon/day	5.6 gallon/day
Breaker Size	20 A	20 A	
LCDI Plug	15 A	15 A	15 A
Power Cord Length	5' 6"	5' 6"	6'
Vent Hose Max Length	81"	81"	
Vent Hose Diameter	5 1/4"	5 1/4"	
Clock & 24 hr Timer	Yes	Yes	Yes
Filter	Washable	Washable	Washable

FEATURES

- 10+ Gallons Dehumidification Capacity a day
- Includes Flexible Vent Hose and Window Adapter
- Digital Display
- 24 Hour ON/OFF
- Caster Wheels
- Auto Defrost HP Only
- Full Tank Alarm
- Tank or Continuous Drain

Dehumidifier Specifications

AUTO RESTART | 410A

Product Code	270-0015	270-0016
Model Number	**DH450S**	**DH470S**
Rated Voltage	115 VAC	115 VAC
Rated Frequency	60 HZ	60 HZ
Rated Current	5.2A	7.3A
Rated Imput	540 W	760 W
Refrigerant	R410A/ 0.53 Lbs	R410A/ 0.6 Lbs
Weight (net wt)	41.8 LBS	44 LBS
Weight (gross wt)	46.2 LBS	48.4 LBS
Unit Dimensions (W/H/D)	15.3"x23.6"x11"	15.3"x23.6"x11"
Dehumidifying Volume	50 pints/Day	70 pints/Day
HP.PSIG	600 PSI	600 PSI
LP.PSIG	320 PSI	320 PSI
Filter	Washable	Washable
Tank Size	2.29 gal	2.29 gal

FEATURES

- Auto Shut Off
- Drain Hose Connection
- Adjustable Air Guide
- Low Power Consumption
- Digital Display
- Caster Wheels
- Filter Alert
- Timer-Auto Stop
- Full Tank Alarm

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