

You want the heat pumps in your home to give you efficient cooling. *Classic* does that. But *Classic* offers something more: *Peace of Mind*



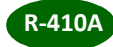
Quality - guaranteed / Efficiency - guaranteed / Safety - guaranteed

# Classic

AIR CONDITIONERS



Up to 23.5 SEER  
& 10.0 HSPF



Compare applied cost of *Classic* versus competitors. *Classic* wins.

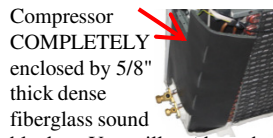
*Classic* heat pump inverter mini-splits are among the quietest available on the planet. How quiet? Our 1 Ton high wall unit produces 31 decibels in low fan speed operation. How does that compare to other sources of sound?

Sound sources (noise) Examples with distance	Sound pressure Level $L_p$ dB SPL
Jet aircraft, 50 m away	140
Threshold of pain	130
Threshold of discomfort	120
Chainsaw, 1 m distance	110
Disco, 1 m from speaker	100
Diesel truck, 10 m away	90
Kerbside of busy road, 5 m	80
Vacuum cleaner, distance 1 m	70
Conversational speech, 1 m	60
Average home	50
Quiet library	40
Quiet bedroom at night	30
Background in TV studio	20
Rustling leaves in the distance	10
Hearing threshold	0

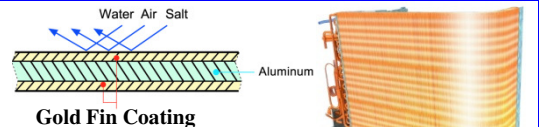
Model	Nominal Capacity Cooling/Heating (Btu/hour)	SEER/HSPF
MWOHC09S/MROHC09AS	9000/11,500	23.5/10
MWOHC12S/MROHC12AS	11,500/12,000	22/10
MWOHC18S/MROHC18AS	17,500/18,000	21/9.5
MWOHC24S/MROHC24AS	23,000/24,000	19/9.0

Some of *Classic's* Industry-Leading features and benefits.

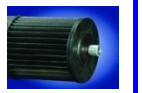
Compressor COMPLETELY enclosed by 5/8" thick dense fiberglass sound blanket. You will **not** hear the compressor in this unit.



Gold Fin Coating  
Gold-fin coating provides protection from salt-air environments that's nearly equal to copper/copper coils and improves heat-pump efficiency by accelerating the defrost process.



Blower wheels are nylon impregnated and dynamically balanced to produce silent operation



Auto restart provides automatic restart randomly between 3 and 4 minutes after power loss to prevent power surges in your home



Innovative protection Interface... A thermistor affixed to the indoor coil constantly monitors temperature and protects from coil freeze up, dirty filter, or loss of charge.



Master Distributor for North America  
[www.refricenter.net](http://www.refricenter.net)

Model		MWOHC09S/MROHC09AS	MWOHC12S/MROHC12AS	MWOHC18S/MROHC18AS	MWOHC24S/MROHC24AS	
Power supply	Ph-V-Hz	208-230V~ 60Hz, 1Ph	208-230V~ 60Hz, 1Ph	208-230V~ 60Hz, 1Ph	208-230V~ 60Hz, 1Ph	
Frequency Min/Max	Hz	13Hz - 88Hz	13Hz - 88Hz	18Hz - 78Hz	17Hz - 70Hz	
Cooling	Capacity	Btu/h	9000 (3948~10180)	11500 (3828~12570)	17500 (6319~18430)	23000 (10100~25780)
	Input (Nominal)	W	620 (200-720)	885 (195-930)	1400 (258-1450)	1840 (360-1912)
	Rated current	A	2.9 (1.3-1.3)	4.05 (0.9-4.04)	6.49 (1.5-6.62)	8.40 (1.64-8.69)
	SEER		23.5	22	21	19
Heating	Capacity	Btu/h	11500 (5698~11910)	12000 (5643~11930)	18000 (5616~18540)	24000 (8060~24580)
	Input (Nominal)	W	910 (285-750)	925 (280-753)	1440 (274-1456)	2010 (605-1873)
	Rated current	A	4.16 (1.24-3.26)	4.22 (1.24-3.27)	6.66 (1.20-6.33)	9.14 (2.63-8.14)
	HSPF		10	10	9.5	9
MINIMUM CIRCUIT AMPACITY	A	7.5	7.5	13.0	15.0	
MAX.FUSE	A	15.0	15.0	20.0	27.0	
Moisture Removal	L/h	1.0	1.2	1.7	2.5	
Compressor	Model		DA110S1C-30FZ	DA110S1C-30FZ	DA130M1C-31FZ	DA250S2C-30MT
	Type		ROTARY	ROTARY	ROTARY	ROTARY
	Brand		GMCC (Toshiba)	GMCC (Toshiba)	GMCC (Toshiba)	GMCC (Toshiba)
	Capacity (Nominal)	Btu/h	11089	11089	13443	26238
	Input (Nominal)	W	850	850	1005	2120
	Rated current (RLA)	A	4.45	4.45	3.95	8.85
	Thermal protector		1NT01L-4639 or KSD301	1NT01L-4639 or KSD301	---	---
	Thermal protector position		EXTERNAL	EXTERNAL	INTERNAL	INTERNAL
	Capacitor	uF	---	---	35	---
	Refrigerant oil/oil charge	ml	ESTER OIL VG74/500	ESTER OIL VG74/500	ESTER OIL VG74/480	ESTER OIL VG74/820
Indoor fan motor	Model		WZDK20-38G	WZDK20-38G	WZDK58-38G	RPG50B
	Brand		Shibaura	Welling	Shibaura	Welling
	Input	W	20 (Output)	20 (Output)	58 (Output)	102
	Capacitor	uF	---	---	---	3.5
	Speed (Hi/Mi/Lo)	r/min	1150 / 1000 / 700	1150 / 1000 / 700	1150 / 900 / 700	1250 / 1100 / 900
Indoor air flow (Hi/Mi/Lo)	m <sup>3</sup> /h	750/650/450	750/650/450	1200/950/750	1450/1300/1050	
Indoor noise level (Hi/Mi/Lo)	dB(A)	43/37/31	43/37/31	47/40/31	50/45/40	
Indoor unit	Dimension(W*D*H)	mm	835x198x280	835x198x280	990x218x315	1186x258x340
	Dimension(W*D*H)	inch	32.87x7.80x11.02	32.87x7.80x11.02	38.98x8.58x12.40	46.69x10.16x13.39
	Packing (W*D*H)	mm	910x270x355	910x270x355	1065x300x400	1265x420x340
	Packing (W*D*H)	inch	35.83x10.63x13.98	35.83x10.63x13.98	41.93x11.81x15.75	49.80x16.53x13.38
	Net/Gross weight	Kg	8 / 10	8.5 / 11	12 / 14	18.5 / 23
Outdoor fan motor	Model		WZDK35-38G(H)	WZDK35-38G(H)	WZDK50-38G	WZDK72-38G
	Brand		Shibaura	Shibaura	PANASONIC	Panasonic
	Input	W	35(Output)	35(Output)	50(Output)	72(Output)
	Speed	r/min	850 / /	850 / /	750 / /	850 / /
Outdoor air flow	m <sup>3</sup> /h	1800	2000	2500	3500	
Outdoor noise level	dB(A)	54	54	60	60	
Outdoor unit	Dimension(W*D*H)	mm	760x285x590	760x285x590	845x320x700	900x315x860
	Dimension(W*D*H)	inch	29.92x11.22x23.23	29.92x11.22x23.23	33.27x12.60x27.56	35.43x12.40x33.86
	Packing (W*D*H)	mm	887x355x645	887x355x645	965x395x755	1043x395x915
	Packing (W*D*H)	inch	34.92x13.98x25.39	34.92x13.98x25.39	37.99x15.55x29.72	41.06x15.55x36.02
	Net/Gross weight	Kg	33.5 / 35	33.5 / 35	46.5/50.5	59/63
Refrigerant type	g	R410A/1250g	R410A/1250g	R410A/1900g	R410A/2430g	
Design pressure	MP a	550/340 PSIG	550/340 PSIG	550/340 PSIG	550/340 PSIG	
Refrigerant piping	Liquid side / Gas side	mm (inch)	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ9.52(1/4"/1/2")	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")
	Max. refrigerant pipe length	m	20	20	20	25
	Max. difference in level	m	8	8	8	10
Connection wiring			16#(Optional)	16#(Optional)	16#(Optional)	16#(Optional)
Thermostat type			Remote Control	Remote Control	Remote Control	Remote Control
Operation temperature	Indoor(cooling/heating)	°C	≥17/≤30	≥17/≤30	≥17/≤30	≥17/≤30
	Outdoor(cooling/heating)	°C	0~50/-15~-30	0~50/-15~-30	0~50/-15~-30	0~50/-15~-30
Application area	m <sup>2</sup>	13-22	18-29	25-42	34-56	

U.S. Government Federal law prohibits removal of this label before consumer purchase.

# ENERGYGUIDE

Variable Speed Mini-Split Heat Pump  
Cooling and Heating

Classic Air Conditioners  
Model MWOHC09S/  
MROHC09AS

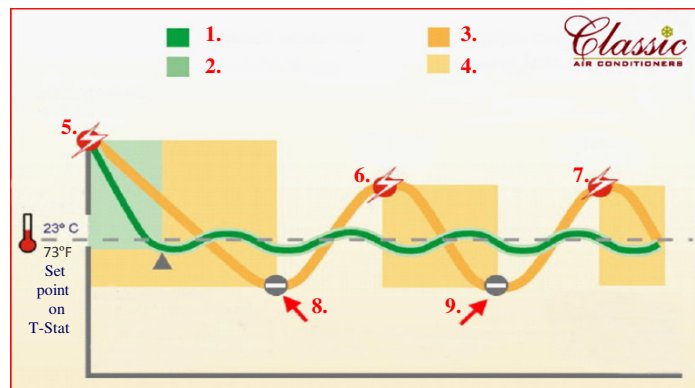
Seasonal Energy Efficiency Ratio  
**23.50**

Heating Seasonal Performance Factor  
**10.00**

• Efficiency range based only on system units.

• This energy efficiency ratings is based on U.S. Government standard tests of this condenser model combined with the most common coil. The rating will vary slightly with different coils and in different geographic regions.

• For more information, visit [www.ftc.gov/appliances](http://www.ftc.gov/appliances).



Legend:

1. Classic Inverter Technology
2. Energy Consumption
3. Conventional Air Conditioners
4. Conventional Energy Consumption
5. First System Start Up
6. Second Start Up
7. Third Start Up
8. First Shut Off
9. Second Shut Off

Classic inverters achieve their set point temperature faster than conventional systems and after they reach the set point, the RPM's are adjusted to maintain the temperature VERY near the set point.