

Wall Mounted 9 and 12,000 BTU 9RLFW1, 12RLFW1



Indoor Models
ASU9RLF1
ASU12RLF1



Outdoor Models
AOU9RLF1
AOU12RLF1

Applications

These models are single zone 9, 12,000 BTU ductless heat pumps, meaning they provide cooling in the summer and heat in the winter for year-round comfort.

Strong, quiet and efficient DC motors are used both indoors and outdoors. High performance fan blades, condensers and evaporators combined with variable speed inverter-driven compressors make for unmatched performance. Variable speed compressors automatically adjust to fluctuating room capacity requirements.

Designed for single rooms, these systems are the perfect solution for any space that needs cooling or heating.

Standard Features

	Wireless Remote Control		Minimum Heat Mode
	Apple Catechin Filter		Economy Mode
	Ion Deodorizing Filter		Quiet Mode
	Sleep Timer		Auto Restart/Reset
	24-Hour Timer		Auto Changeover
	Weekly Timer*		Low Ambient Cooling
	Dry Mode		Cold Prevention
	Auto Louver: Up/Down		Remote Temp. Sensor*
	Auto Mode		3rd Party Device Control**

* Available only with optional wired remote control.

** Operation monitoring and On/Off control only.

Features

Built In Filtration



Long-life+ Ion Deodorization Filter

The filter deodorizes by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultra-fine particle ceramic.

+ The filter can be used for approximately 3 years if it is washed with water when dirty to restore it's surface action.



Apple-Catechin Filter

Dust, mold spores and micro-organisms are absorbed onto the filter by static electricity and growth is inhibited and deactivated. Filter lasts 3-12 months.

Energy Efficient

All systems feature high efficiencies and are **ENERGY STAR® Qualified**, meaning lower utility bills for home and business owners.

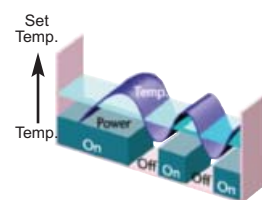


Constant Comfort through Inverter Technology

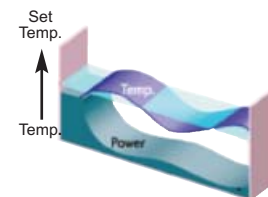
Inverter technology is like cruise control for your heating or cooling system. Compressors only run as fast as they need to handle the cooling or heating demand. They can handle greater extremes in temperature, are smoother and more stable in operation, and reach the desired temperature more quickly than conventional air conditioners.

Inverter Benefits

- More heat at lower outdoor temperatures
- Lower RPMs = quieter operation
- Desired temperature in half the time
- Up to 30% more efficient
- Stable temperature



Conventional System



Inverter System

Accessories

- Wired Remote Controller: UTY-RVNUM*
Backlit and includes room temperature
- Wired Remote Controller: UTY-RNNUM*
- Simple Remote Controller: UTY-RSNUM*
- Dry Contact Wire Kit: UTY-XWZXZ5
- Interface Kit: UTY-XCBXZ2

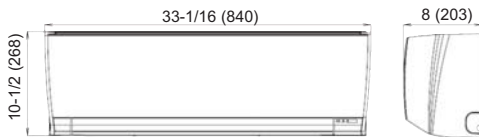
* Wall mounted ASU9, 12RLF1 require accessory interface kit #UTY-XCBXZ2 in order to connect these devices to them.



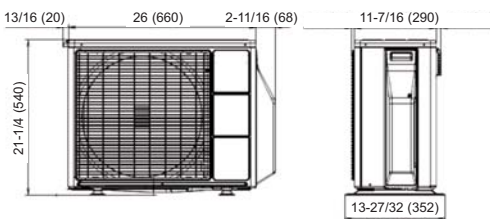
UTY-RVNUM

Dimensions

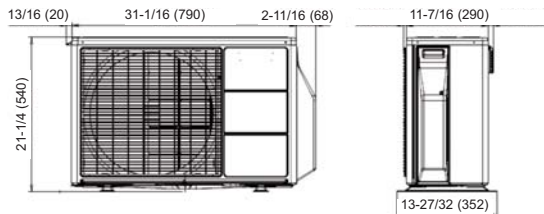
ASU9RLF1, ASU12RLF1



AOU9RLFW1



AOU12RLFW1



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	9RLF1 Heat Pump	12RLF1 Heat Pump
Nominal Cooling <i>BTU/h</i>	9,000	12,000
Min.~Max. Cooling <i>BTU/h</i>	1,700~10,900	3,100~13,300
Nominal Heating <i>BTU/h</i>	12,000	16,000
Min.~Max. Heating <i>BTU/h</i>	1,700~15,000	3,100~19,100
HSPF <i>BTU/hW</i>	11.0	11.0
SEER <i>BTU/hW</i>	23.0	22.0
EER <i>Clg/Htg</i>	13.8/13.5	12.5/12.5
Clg. Operating Range °F(°C)	14~115 (-10~46)	14~115 (-10~46)
Htg. Operating Range °F(°C)	5~75 (-15~24)	5~75 (-15~24)
Moisture Removal <i>Pt./h(l/h)</i>	2.75 (1.3)	3.80 (1.8)
Voltage/Frequency/Phase	208-230/60/1	208-230/60/1
MAX.CRT.BKR (A)	20	20
Air Circ. <i>C.F.M. (m³/h):</i> Hi	441 (750)	441 (750)
Medium	376 (640)	376 (640)
Low	282 (480) Clg	282 (480) Clg
Quiet	306 (520) Htg	306 (520) Htg
Noise Level <i>dB(A) (Clg/Htg):</i> Hi	182 (310) Clg	182 (310) Clg
Medium	194 (330) Htg	194 (330) Htg
Low	43/43	43/43
Quiet	40/38	40/38
Outdoor Fan Speed <i>RPM Clg/Htg</i>	32/33	32/33
Outdoor Noise Level <i>dB(A) Clg/Htg</i>	21/22	21/22
Current <i>Rated/Max (A):</i> Cooling	780/720	780/680
Heating	48/48	49/49
Power Use <i>Rated/Max (kw):</i> Cooling	3.2/6.0	4.4/6.5
Heating	4.2/7.5	5.9/9.0
Fan Speeds <i>Stage</i>	0.65/1.27	0.96/1.40
Air Direction: <i>Horizontal</i>	0.89/1.60	1.28/1.99
Vertical	4+Auto	4+Auto
Air Filter	Manual	Manual
Apple Catechin Filter	Automatic	Automatic
Connection Method	Washable	Washable
Combined Min. <i>Lgth Ft (m)</i>	Yes	Yes
Combined Max. <i>Lgth Ft (m)</i>	Flare	Flare
Max. Vertical Diff. <i>Ft (m)</i>	10 (3)	10 (3)
Conn. Pipe Diameter <i>Inch</i>	66 (20.1)	66 (20.1)
Net Weight <i>lbs. (kg)</i>	(pre-charge: 49')	(pre-charge: 49')
Dimensions: Height <i>Inch</i>	49 (15)	49 (15)
mm	Suc. 3/8 Dis. 1/4	Suc. 3/8 Dis. 1/4
Width <i>Inch</i>	18 (8)	60 (27)
mm	18 (8)	80 (36)
Depth <i>Inch</i>	10-1/2	21-1/4
mm	268	540
Refrigerant	268	540
	840	660
	8	11-7/16
	203	290
	203	290
	R410A	R410A
	Indoor ASU9RLF1	Indoor ASU12RLF1
	Outdoor AOU9RLFW1	Outdoor AOU12RLFW1

Note: Figures are based on 230 Volts.

