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PRODUCT CATALOGUE





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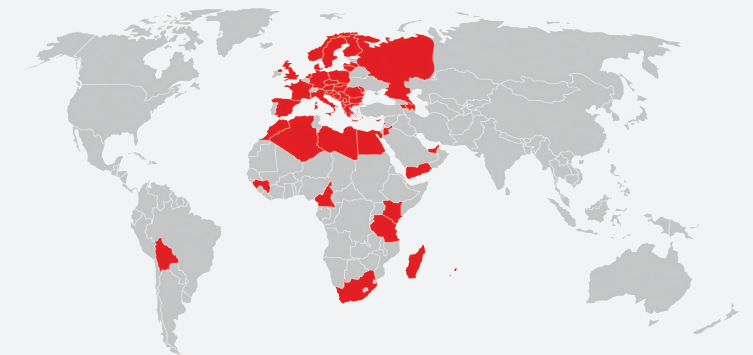
### The World of **Inventor** Air Conditioners!

Created by the largest Air Conditioner manufacturers globally, Inventor units enjoy a sound reputation of exceptional quality and outstanding performance!



### Who we are!

50 years of experience, countless satisfied customers in more than 50 countries in the world!



### Our Mission!

**Inventor** aims at offering the Air Conditioning professional and end-user, top quality products at competitive prices. We offer products and services flexible to meet the specific needs of any individual, this is «Your Conditions». Our wide product range mix is continuously updated; new products are introduced annually after closely monitoring the global Air Conditioning market, as well as the social and environmental trends.



### Our client is the center!

- We offer:**
- Innovative top quality products at the most competitive prices
  - 5\* year warranty of excellent performance
  - Unique after sales services
  - Products according to specific local demands



\* We offer to our international partners a 5 (five) year warranty for the compressor and 5 (five) year for the electrical/mechanical parts of all air-conditioning units (9.000 - 60.000 Btu/h). The 5 year excellent performance warranty is valid for Residential and Light Commercial range of products, starting from the delivery date of the units. For commercial units (VRF Systems) we offer a 2 (two) year warranty.



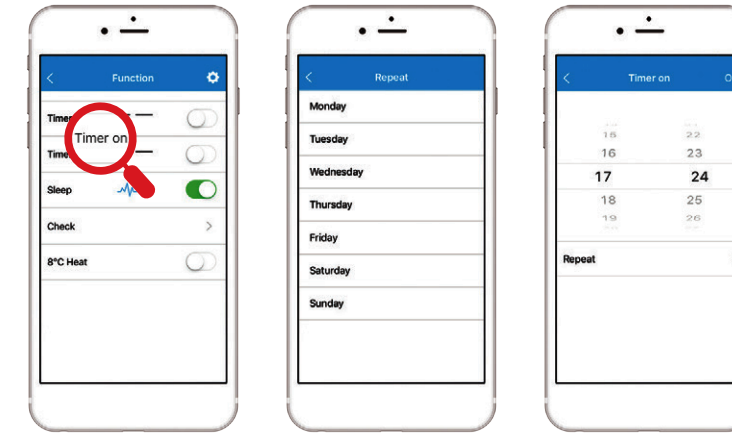


Control your climate  
easily from wherever...  
with your Tablet  
or Smartphone





Increase or reduce the temperature of your air conditioner, from wherever you are, just with a touch of your mobile device screen, by sliding upwards or downwards depending on the desired temperatures.



## Weekly Planner

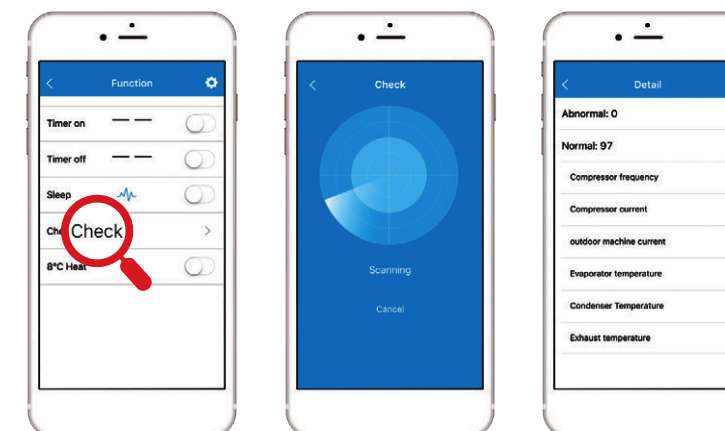
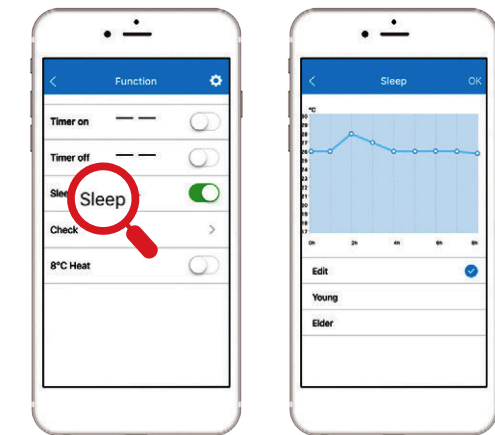
Save energy and forget the on/off button of your air conditioner. Use the innovative feature of Invmate II, Weekly Planner, and schedule the temperature of your home and/or office according to your plans!



Choose the mode you prefer and the mobile device screen will change color automatically. One color for each mode, to indicate the status of the air.

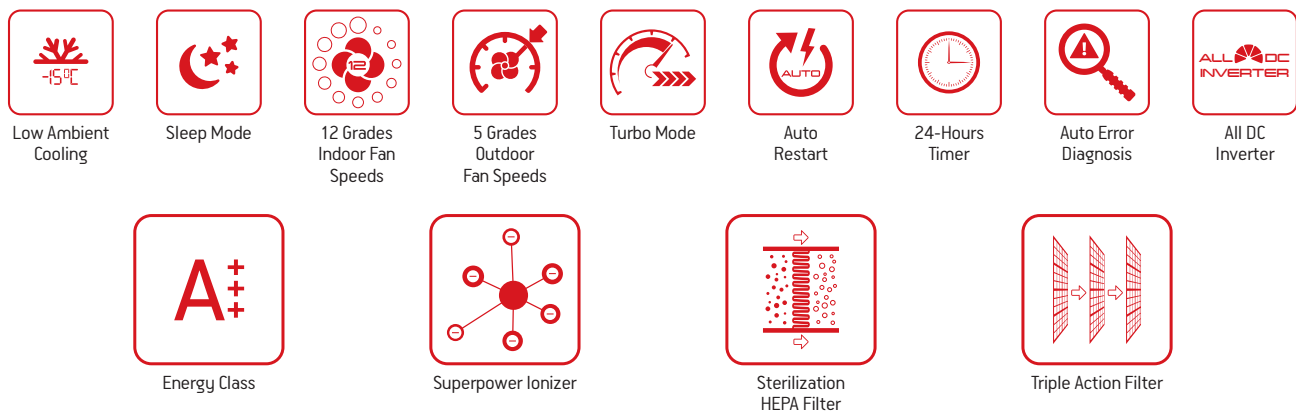
## Sleeping Curve

Enjoy the ideal conditions in your room, by adjusting the temperature for every sleeping hour.



## Check Diagnosis

With the 97 checking points of the check diagnosis function, the Invmate II ensures that you will never miss a thing!



MODEL		01MVI-09WFR/01MV0-09	01MVI-12WFR/01MV0-12	01MVI-18WFR/01MV0-18	01MVI-24WFR/01MV0-24	
Cooling Capacity (Btu/h)		9.000 (3.500-11.000)	12.000 (3.700-14.000)	18.000 (6.200-20.900)	24.000 (9.100-26.900)	
Cooling Capacity (kWatt)		2.64 (1.03-3.22)	3.52 (1.08-4.1)	5.28 (1.82-6.13)	7.03 (2.67-7.88)	
Heating Capacity (Btu/h)		10.000 (2.800-11.500)	13.000 (3.000-14.400)	19.000 (4.700-23.000)	25.000 (5.500-30.000)	
Heating Capacity (kWatt)		2.93 (0.82-3.37)	3.81 (0.88-4.22)	5.57 (1.38-6.74)	7.33 (1.61-8.79)	
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	2.6	3.5	5.3	7.0
		Energy Class	A++	A++	A++	A++
		SEER	6.1	6.1	6.5	6.3
		Annual Power Consumption (kWh/year)	149	201	285	389
	Heating (Middle Zone)	Pdesign (kW)	2.4	2.6	4.3	5.5
		Energy Class	A+	A+	A+	A+
		SCOP	4.0	4.0	4.2	4.0
		Annual Power Consumption (kWh/year)	840	910	1433	1925
	Heating (Warm Zone)	Pdesign (kW)	2.8	2.9	4.6	6.7
		Energy Class	A++	A++	A+++	A+++
		SCOP	4.9	4.6	5.1	5.1
		Annual Power Consumption (kWh/year)	800	883	1.263	1.839
Voltage / Frequency / Phase (V/Hz/Ph)		220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	
Current Input (A)	Cooling	3.8(0.4-5.4)	5.5(0.4-6.9)	7.1(0.6-10.3)	11.7(1.0-13.2)	
	Heating	3.9(0.5-5.2)	5.0(0.6-6.6)	6.7(0.9-10.5)	11.1(1.1-13.7)	
Power Input (W)	Cooling	879(100-1.240)	1.256(100-1.580)	1.633(140-2.360)	2.684(240-3.030)	
	Heating	887(120-1.200)	1.154(130-1.510)	1.542(200-2.410)	2.549(260-3.140)	
Air Flow Volume (m³/h) (High/Medium/Low)		430/320/230	520/420/340	610/460/360	960 / 820 / 650	
Noise Level (dB(A))	Indoor unit (Low/Medium/High)	25/31/38	26/32/38	25/29/36	31/37/43	
	Outdoor unit	53	55	57	59	
Sound Power Level (dB(A))	Indoor unit	52	53	55	61	
	Outdoor unit	58	60	63	68	
Compressor Type		ROTARY	ROTARY	ROTARY	ROTARY	
Liquid line   Gas line		1/4"   3/8"	1/4"   3/8"	1/4"   1/2"	3/8"   5/8"	
Power Supply Wire Outdoor (No x mm²) / Fuses (A)		3x1.5/10	3x1.5/10	3x2.5/16	3x2.5/16	
Signal Wires (No x mm²)		5x1.5	5x1.5	5x1.5	5x1.5	
Dimensions WxHxD (mm)	Indoor unit	715x188x250	800x188x275	940x205x275	1.045x235x315	
	Outdoor unit	770x555x300	770x555x300	800x554x333	845x702x363	
Net Weight	Indoor / Outdoor (kg)	6.3/25.2	7.2/25.5	9/37.8	12/48.4	
Refrigerant		R410A/800g	R410A/800g	R410A/1.480g	R410A/2.000g	
Operation Temperature Range (°C)	Cooling	-15~50	-15~50	-15~50	-15~50	
	Heating	-15~30	-15~30	-15~30	-15~30	



### WiFi Ready

Control your climate easily from wherever, with your Smartphone or Tablet. Download the app, Invmate II, for free via Google Play & App Store and set your temperature conditions.



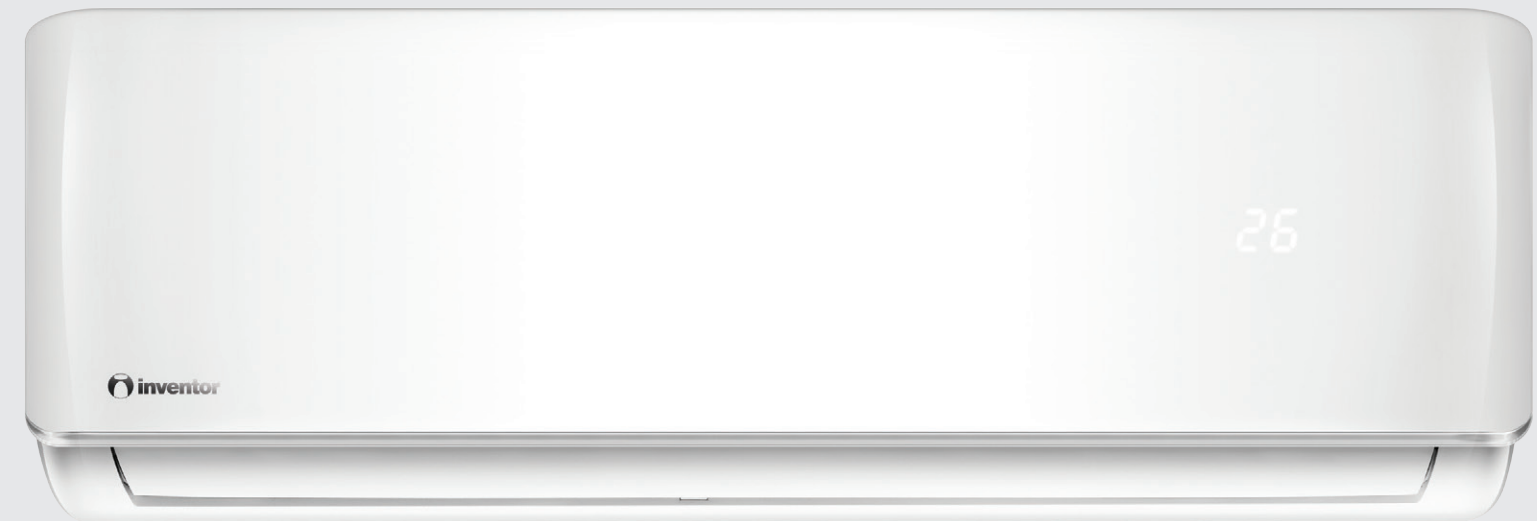
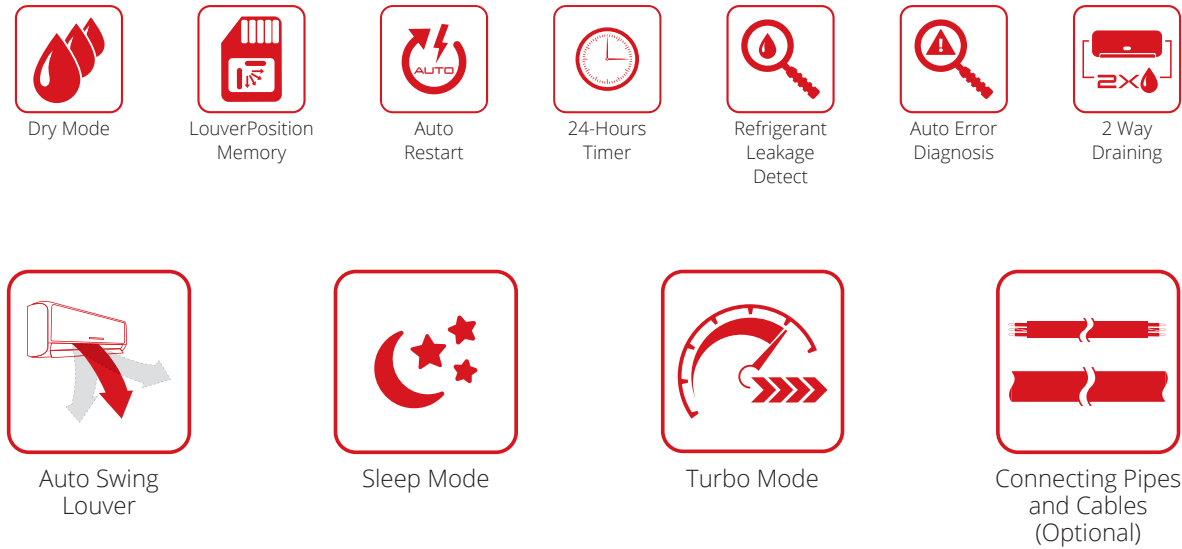
### Superpower Ionizer

The Superpower Ionizer produces positive and negative ions. When these ions collide they release an enormous energy which destroys odors, dust and smoke while leaving your environment clean and fresh.



### Follow Me

A smart sensor is located on the remote control. When the iFeel function is activated the set temperature synchronizes with the smart sensor. Your set temperature will follow you wherever you and the remote go offering extra comfort and energy savings.



MODEL	ARCM1-09/ARCM0-09	ARCM1-12/ARCM0-12	ARCM1-18/ARCM0-18	ARCM1-24/ARCM0-24
Cooling Capacity (Btu/h)	9.000	12.000	18.000	22.000
Cooling Capacity (kWatt)	2.64	3.52	5.28	6.45
Heating Capacity (Btu/h)	-	-	-	-
Heating Capacity (kWatt)	-	-	-	-
EER(W/W)	3.10	3.5	3.10	3.10
COP(W/W)	-	-	-	-
Voltage / Frequency / Phase (V/Hz/Ph)	230/50/1	230/50/1	230/50/1	230/50/1
Current Input (A)	Cooling	3.7	4.4	7.4
	Heating	-	-	-
Power Input (W)	Cooling	850	1.005	1.700
	Heating	-	-	-
Air Flow Volume (m³/h) [High/Medium/Low]	556/445/338	609/480/365	822/623/491	1.197/973/885
Noise Level [dB(A)]	Indoor unit (Low/Medium/High)	30/35/41	32/37/42	34/39/47
	Outdoor unit	55	55	60
Compressor Type	ROTARY	ROTARY	ROTARY	ROTARY
Liquid line   Gas line	1/4" / 3/8"	1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"
Dimensions WxHxD (mm)	Indoor unit	802x297x189	802x297x189	965x319x215
	Outdoor unit	770x555x300	770x555x300	845x702x363
Net Weight	Indoor / Outdoor (kg)	8.5/27.0	9.0/29.0	11.5/35.0
Refrigerant		R410A/600g	R410A/680g	R410A/920g
Operation Temperature Range (°C)	Cooling	18~43	18~43	18~43
	Heating	-	-	-
Loading Quantities per 20'/40' HC		105/248	105/248	90/210



### Sleep Mode

With the Sleep Mode, the air conditioner, adjusts the room temperature for perfect sleeping conditions and energy saving.



### 24-Hours Timer

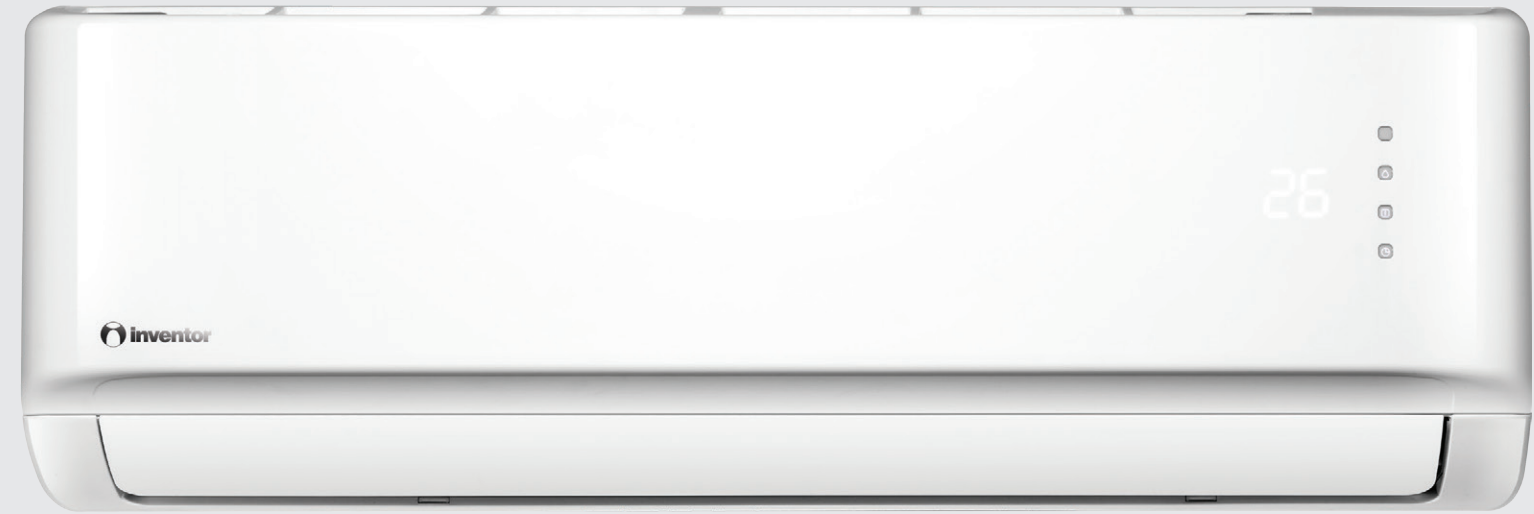
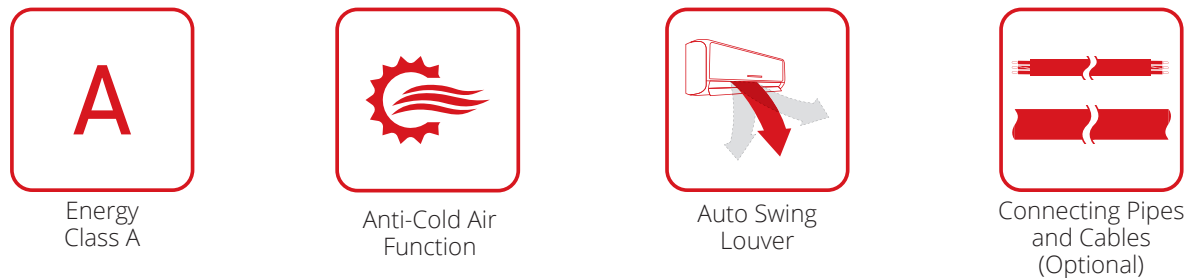
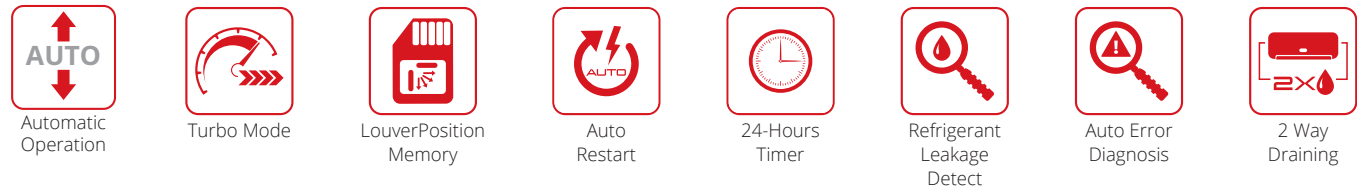
Set the unit to start and stop automatically in a 24h period and save energy.



### Turbo Mode

This function gives you a boost in cooling and heating power for a period and makes the room cool down or heat up rapidly.





MODEL	AMI-07/AM0-07	AMI-09/AM0-09	AMI-12/AM0-12	AMI-18/AM0-18	AMI-24/AM0-24	AMI-30/AM0-30	
Cooling Capacity (Btu/h)	7.000	9.000	12.000	18.000	24.000	27.000	
Cooling Capacity (kWatt)	2.05	2.64	3.52	5.28	7.03	7.91	
Heating Capacity (Btu/h)	7.500	9.500	12.500	19.000	26.000	30.000	
Heating Capacity (kWatt)	2.2	2.78	3.66	5.57	7.62	8.79	
EER(W/W)	3.22	3.21	3.21	3.21	2.81	2.81	
COP(W/W)	3.62	3.61	3.61	3.61	3.21	3.01	
Energy Class (Cooling/Heating)	A/A	A/A	A/A	A/A	C/C	C/D	
Voltage / Frequency / Phase (V/Hz/Ph)	230/50/1	230/50/1	230/50/1	230/50/1	230/50/1	230/50/1	
Current Input (A)	Cooling	2.8	3.6	4.8	7.1	10.9	12.2
	Heating	2.6	3.4	4.4	6.7	10.3	12.7
Power Input (W)	Cooling	638	821	1.096	1643	2503	2.816
	Heating	608	771	1.015	1543	2373	2.921
Air Flow Volume (m³/h) [High/Medium/Low]	431/309/236	486/365/273	578/487/366	799/664/442	1.077/991/773	1.077/991/773	
Noise Level (dB(A))	Indoor unit (Low/Medium/High)	28/33/40	28/33/40	25/31/36	30/37/44	38/42/46	42/45/48
	Outdoor unit	53	53	56	58	60	60
Compressor Type	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	
Liquid line   Gas line	1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"	3/8" / 5/8"	
Dimensions WxHxD (mm)	Indoor unit	715x250x188	715x250x188	800x275x188	940x275x205	1.045x315x235	1.045x315x235
	Outdoor unit	700x550x275	700x550x275	770x555x300	770x555x300	845x702x363	845x702x363
Net Weight	Indoor / Outdoor (kg)	6.9/23.7	6.9/26.4	8.0/30.1	10/36.5	12.7/49	13.1/53.3
Refrigerant		R410A/520g	R410A/730g	R410A/950g	R410A/1.200g	R410A/1.800g	R410A/2.000g
Operation Temperature Range (°C)	Cooling	18~43	18~43	18~43	18~43	18~43	18~43
	Heating	-7~24	-7~24	-7~24	-7~24	-7~24	-7~24
Loading Quantities per 20'/40'HC		130/300	130/300	110/260	96/225	66/156	66/156

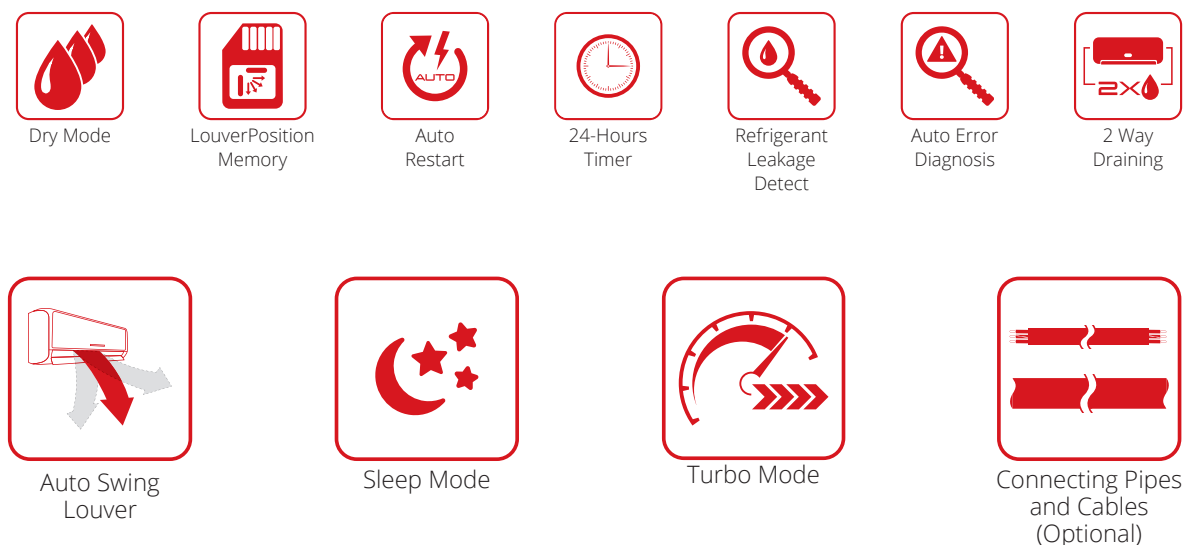


**A Energy Class A**  
The higher and more efficient performance rating maximizes your energy savings.

**Anti-Cold Air Function**  
Indoor fan speed is regulated automatically from the lowest grade to the setting grade according to the evaporator temperature when the unit starts heating operation.

**Sleep Mode**  
With the Sleep Mode, the air conditioner, adjusts the room temperature for perfect sleeping conditions and energy saving.





MODEL	ACMI-09/ACM0-09	ACMI-12/ACM0-12	ACMI-18/ACM0-18	ACMI-24/ACM0-24
Cooling Capacity (Btu/h)	9.000	12.000	18.000	24.000
Cooling Capacity (kWatt)	2.64	3.52	5.28	7.03
Heating Capacity (Btu/h)	-	-	-	-
Heating Capacity (kWatt)	-	-	-	-
EER(W/W)	2.61	2.61	2.81	2.61
COP(W/W)	-	-	-	-
Voltage / Frequency / Phase (V/Hz/Ph)	230/50/1	230/50/1	230/50/1	230/50/1
Current Input (A)	Cooling	4.5	6.0	8.3
	Heating	-	-	-
Power Input (W)	Cooling	1.010	1.347	1.875
	Heating	-	-	-
Air Flow Volume (m³/h) (High/Medium/Low)	469/356/264	598/518/362	803/689/570	1.106/963/752
Noise Level (dB(A))	Indoor unit (Low/Medium/High)	29/35/41	31/38/42	35/39/45
	Outdoor unit	51	53	58
Compressor Type	ROTARY	ROTARY	ROTARY	ROTARY
Liquid line   Gas line	1/4" / 3/8"	1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"
Dimensions WxHxD (mm)	Indoor unit	715x250x188	800x275x188	940x275x205
	Outdoor unit	681x285x434	700x550x275	770x555x300
Net Weight	Indoor / Outdoor (kg)	6.9/22.4	7.4/25.2	9.9/34.8
Refrigerant		R22/450g	R22/530g	R22/850g
Operation Temperature Range (°C)	Cooling	18~43	18~43	18~43
	Heating	-	-	-
Loading Quantities per 20'/40'HC		144/336	120/280	96/225



### Sleep Mode

With the Sleep Mode, the air conditioner, adjusts the room temperature for perfect sleeping conditions and energy saving.



### 24-Hours Timer

Set the unit to start and stop automatically in a 24h period and save energy.

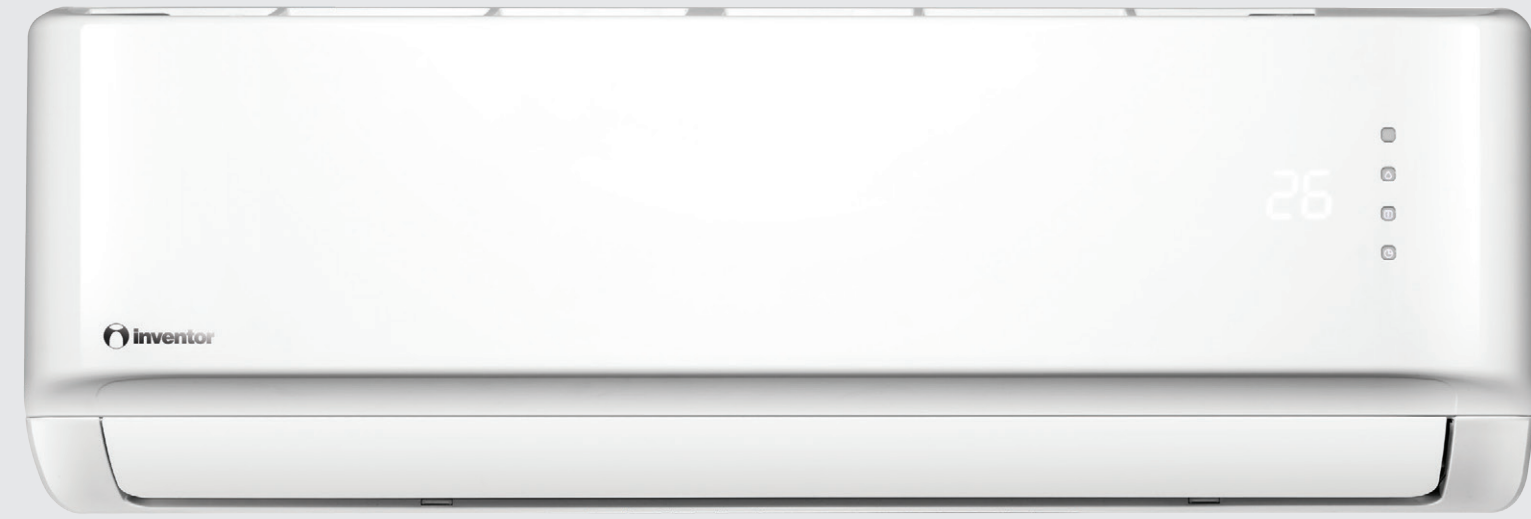












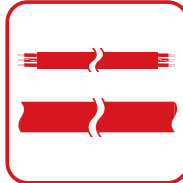
### Turbo Mode

This function gives you a boost in cooling and heating power for a period and makes the room cool down or heat up rapidly.







-  Turbo Mode
-  LouverPosition Memory
-  Auto Restart
-  24-Hours Timer
-  Refrigerant Leakage Detect
-  Auto Error Diagnosis
-  2 Way Draining
-  Anti-Cold Air Function
-  Auto Swing Louver
-  Automatic Operation
-  Connecting Pipes and Cables (Optional)



MODEL	AHMI-09/AHM0-09	AHMI-12/AHM0-12	AHMI-18/AHM0-18	AHMI-24/AHM0-24
Cooling Capacity (Btu/h)	9.000	12.000	17.000	24.000
Cooling Capacity (kWatt)	2.64	3.52	4.98	7.03
Heating Capacity (Btu/h)	10.000	13.000	19.000	26.500
Heating Capacity (kWatt)	2.93	3.81	5.57	7.77
EER(W/W)	2.61	2.61	2.81	2.61
COP(W/W)	3.41	3.01	3.41	3.01
Voltage / Frequency / Phase (V/Hz/Ph)	230/50/1	230/50/1	230/50/1	230/50/1
Current Input (A)	Cooling	4.5	6.0	7.9
	Heating	3.8	5.6	7.2
Power Input (W)	Cooling	1.010	1.347	1.775
	Heating	860	1.265	1.630
Air Flow Volume (m³/h) (High/Medium/Low)	490/376/274	598/518/362	803/689/570	1.121/1.000/783
Noise Level (dB(A))	Indoor unit (Low/Medium/High)	30/35/42	30/36/42	32/37/42
	Outdoor unit	52	54	58
Compressor Type	ROTARY	ROTARY	ROTARY	ROTARY
Liquid line   Gas line	1/4" / 3/8"	1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"
Dimensions WxHxD (mm)	Indoor unit	715x250x188	800x275x188	940x275x205
	Outdoor unit	681x434x285	770x555x300	770x555x300
Net Weight	Indoor / Outdoor (kg)	6.9/23.7	8.0/29.0	10.0/35.0
Refrigerant		R22/550g	R22/830g	R22/1.250g
Operation Temperature Range (°C)	Cooling	18~43	18~43	18~43
	Heating	-7~24	-7~24	-7~24
Loading Quantities per 20'/40' HC		144/336	110/260	96/225



### Anti-Cold Air Function

Indoor fan speed is regulated automatically from the lowest grade to the setting grade according to the evaporator temperature when the unit starts heating operation.



### 24-Hours Timer

Set the unit to start and stop automatically in a 24h period and save energy.



### Sleep Mode

With the Sleep Mode, the air conditioner, adjusts the room temperature for perfect sleeping conditions and energy saving.



Dry Mode



LouverPosition Memory



Auto Restart



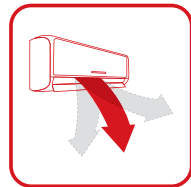
24-Hours Timer



Auto Error Diagnosis



2 Way Draining



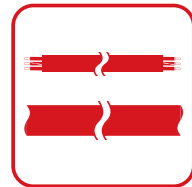
Auto Swing Louver



Blow Xfan



Turbo Mode



Connecting Pipes and Cables (Optional)



MODEL		RCSI-09/RCS0-09	RCSI-12/RCS0-12	RCSI-18/RCS0-18	RCSI-24/RCS0-24
Cooling Capacity (Btu/h)		9.000	12.000	15.354	21.000
Cooling Capacity (kWatt)		2.64	3.22	4.50	6.16
Heating Capacity (Btu/h)		-	-	-	-
Heating Capacity (kWatt)		-	-	-	-
EER(W/W)		2.61	2.61	2.47	2.68
COP(W/W)		-	-	-	-
Voltage / Frequency / Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1	230/50/1
Current Input (A)	Cooling	6.94	6.30	12.01	16.20
	Heating	-	-	-	-
Power Input (W)	Cooling	1.010	1.235	1.820	2.300
	Heating	-	-	-	-
Air Flow Volume (m³/h)		400	550	650	850
Noise Level (dB(A))	Indoor unit	37	38	43	45
	Outdoor unit	50	52	57	56
Compressor Type		ROTARY	ROTARY	ROTARY	ROTARY
Liquid line   Gas line		1/4" / 3/8"	1/4" / 1/2"	1/4" / 1/2"	1/4" / 1/2"
Dimensions WxHxD (mm)	Indoor unit	730x255x174	790x265x177	845x275x186	940x298x200
	Outdoor unit	720x430x310	798x540x320	848x540x320	913x680x378
Net Weight	Indoor / Outdoor (kg)	8/25	9/30	10/41	13/48
Refrigerant		R22 / 550g	R22 / 730g	R22 / 1.000g	R22 / 1.200g
Operation Temperature Range (°C)	Cooling	18~43	18~43	18~43	18~43
	Heating	-	-	-	-
Loading Quantities per 20'/40' HC		150/350	101/244	101/244	64/154



### Blow Xfan

It eliminates unwanted moisture in the indoor unit during cooling mode operation. After turning off the air conditioner, the indoor unit's fan will keep running for a while in order to dry the indoor unit.



### 24-Hours Timer

Set the unit to start and stop automatically in a 24h period and save energy.

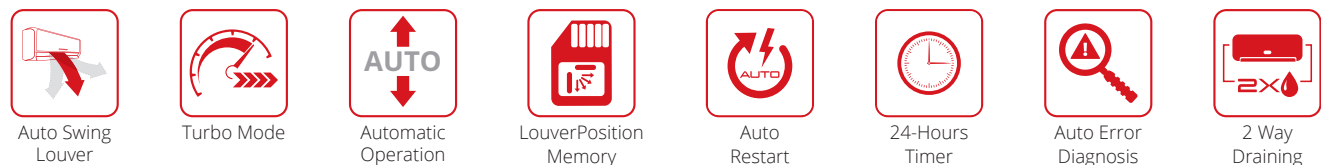


### Turbo Mode

This function gives you a boost in cooling and heating power for a period and makes the room cool down or heat up rapidly.







MODEL	RHSI-09/RHS0-09	RHSI-12/RHS0-12	RHSI-18/RHS0-18	RHSI-24/RHS0-24	
Cooling Capacity (Btu/h)	9.000	11.000	15.354	21.000	
Cooling Capacity (kWatt)	2.64	3.22	4.50	6.16	
Heating Capacity (Btu/h)	9.600	11.500	16.378	22.860	
Heating Capacity (kWatt)	2.81	3.37	4.8	6.7	
EER(W/W)	2.61	2.61	2.50	2.74	
COP(W/W)	2.61	2.89	2.67	2.98	
Voltage / Frequency / Phase (V/Hz/Ph)	230/50/1	230/50/1	230/50/1	230/50/1	
Current Input (A)	Cooling	6.60	6.30	12.10	13.70
	Heating	6.20	6.30	10.30	12.95
Power Input (W)	Cooling	1.010	1.235	1.800	2.250
	Heating	1.078	1.165	1.800	2.250
Air Flow Volume (m³/h)	400	550	650	850	
Noise Level [dB(A)]	Indoor unit	37	38	43	45
	Outdoor unit	50	52	57	57
Compressor Type	ROTARY	ROTARY	ROTARY	ROTARY	
Liquid line   Gas line	1/4" / 3/8"	1/4" / 1/2"	1/4" / 1/2"	1/4" / 1/2"	
Dimensions WxHxD (mm)	Indoor unit	730x255x174	790x265x177	845x275x186	940x298x200
	Outdoor unit	720x430x310	772x540x320	848x540x320	955x700x424
Net Weight	Indoor / Outdoor (kg)	8/27	9/32	10/42	13/56
Refrigerant		R22 / 590g	R22 / 870g	R22 / 1.040g	R22 / 1.510g
Operation Temperature Range (°C)	Cooling	18~43	18~43	18~43	18~43
	Heating	-7~24	-7~24	-7~24	-7~24
Loading Quantities per 20'/40' HC		150/350	110/269	101/244	60/149



### Blow Xfan

It eliminates unwanted moisture in the indoor unit during cooling mode operation. After turning off the air conditioner, the indoor unit's fan will keep running for a while in order to dry the indoor unit.



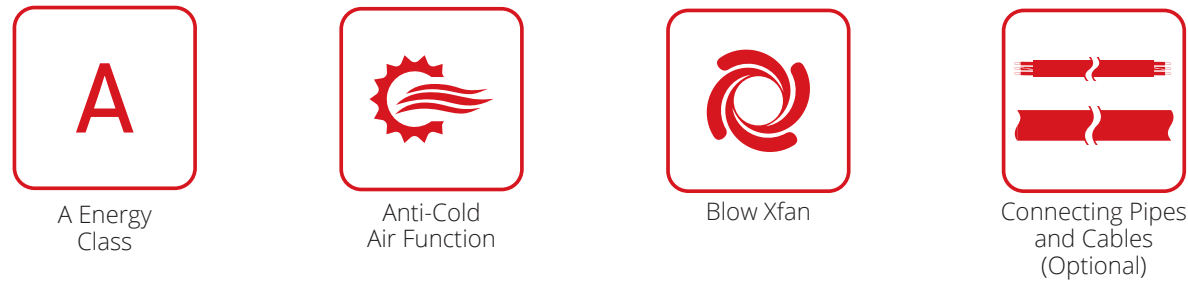
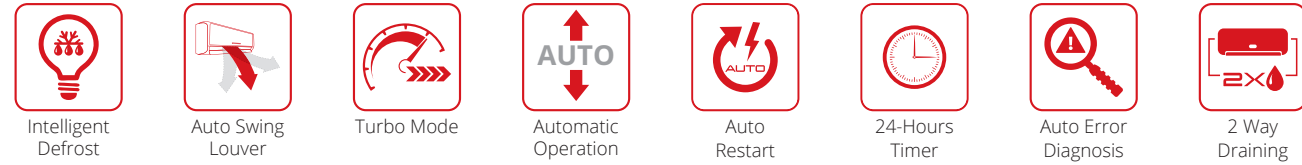
### Anti-Cold Air Function

Indoor fan speed is regulated automatically from the lowest grade to the setting grade according to the evaporator temperature when the unit starts heating operation.



### Intelligent Defrost

Power saving and improved heating efficiency by intelligent defrost. Intelligent Defrost is achieved only by sensors that they control the need and duration of defrost process.



MODEL		RIMI-09/RIM0-09	R1IMI-12/R1IM0-12	RIMI-18/RIM0-18	RIMI-24/RIM0-24
Cooling Capacity (Btu/h)		9.000	11.000	16.036	21.000
Cooling Capacity (kWatt)		2.64	3.22	4.70	6.15
Heating Capacity (Btu/h)		9.600	11.997	16.720	22.178
Heating Capacity (kWatt)		2.81	3.52	4.90	6.50
EER(W/W)		3.22	3.21	3.22	3.24
COP(W/W)		3.61	3.62	3.43	3.42
Energy Class (Cooling/Heating)		A/A	A/A	A/B	A/A
Voltage / Frequency / Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1	230/50/1
Current Input (A)	Cooling	4.60	6.30	10.00	11.30
	Heating	5.10	6.10	10.00	11.70
Power Input (W)	Cooling	821	1.004	1.460	1.900
	Heating	779	973	1.430	1.900
Air Flow Volume (m³/h)		400	550	850	850
Noise Level (dB(A))	Indoor unit	37	38	45	44
	Outdoor unit	50	52	55	56
Compressor Type		ROTARY	ROTARY	ROTARY	ROTARY
Liquid line   Gas line		1/4" / 3/8"	1/4" / 1/2"	1/4" / 1/2"	1/4" / 1/2"
Dimensions WxHxD (mm)	Indoor unit	730x255x174	790x265x177	940x298x200	940x298x200
	Outdoor unit	785x540x320	798x540x320	848x540x320	913x680x378
Net Weight	Indoor / Outdoor (kg)	8/31	9/35	10/40	13/46
Refrigerant		R410A/760g	R410A/840g	R410A/1.150g	R410A/1.450g
Operation Temperature Range (°C)	Cooling	18~43	18~43	18~43	18~43
	Heating	-7~24	-7~24	-7~24	-7~24
Loading Quantities per 20'/40' HC		116/280	110/269	87/210	64/154

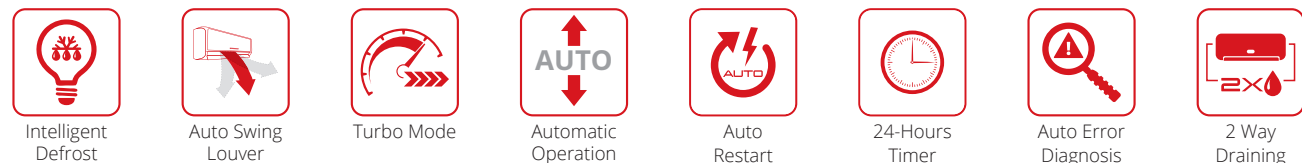


**A Energy Class**  
The higher and more efficient performance rating maximizes your energy savings.

**Blow Xfan**  
It eliminates unwanted moisture in the indoor unit during cooling mode operation. After turning off the air conditioner, the indoor unit's fan will keep running for a while in order to dry the indoor unit.

**Intelligent Defrost**  
Power saving and improved heating efficiency by intelligent defrost. Intelligent Defrost is achieved only by sensors that they control the need and duration of defrost process.





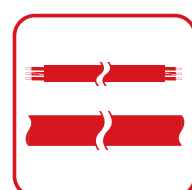
A Energy Class



Anti-Cold Air Function



Blow Xfan



Connecting Pipes and Cables (Optional)



MODEL		APSI-09/APS0-09	A1PSI-12/A1PS0-12	APSI-18/APS0-18	A1PSI-24/A1PS0-24
Cooling Capacity (Btu/h)		9.000	11.000	16.036	21.000
Cooling Capacity (kWatt)		2.64	3.22	4.70	6.15
Heating Capacity (Btu/h)		9.600	11.997	16.720	22.178
Heating Capacity (kWatt)		2.81	3.52	4.90	6.50
EER(W/W)		3.22	3.21	3.22	3.24
COP(W/W)		3.61	3.62	3.43	3.42
Energy Class (Cooling/Heating)		A/A	A/A	A/B	A/A
Voltage / Frequency / Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1	230/50/1
Current Input (A)	Cooling	4.60	6.30	10.00	11.30
	Heating	5.10	6.10	10.00	11.70
Power Input (W)	Cooling	821	1.004	1.460	1.900
	Heating	779	973	1.430	1.900
Air Flow Volume (m³/h)		400	550	850	850
Noise Level (dB(A))	Indoor unit	37	38	45	44
	Outdoor unit	50	52	55	56
Compressor Type		ROTARY	ROTARY	ROTARY	ROTARY
Liquid line   Gas line		1/4" / 3/8"	1/4" / 1/2"	1/4" / 1/2"	1/4" / 1/2"
Dimensions WxHxD (mm)	Indoor unit	730x255x174	790x265x177	940x298x200	940x298x200
	Outdoor unit	785x540x320	798x540x320	848x540x320	913x680x378
Net Weight	Indoor / Outdoor (kg)	8/31	9/35	10/40	13/46
Refrigerant		R410A/760g	R410A/840g	R410A/1.150g	R410A/1.450g
Operation Temperature Range (°C)	Cooling	18~43	18~43	18~43	18~43
	Heating	-7~24	-7~24	-7~24	-7~24
Loading Quantities per 20'/40' HC		116/280	110/269	87/210	64/154



### A Energy Class

The higher and more efficient performance rating maximizes your energy savings.



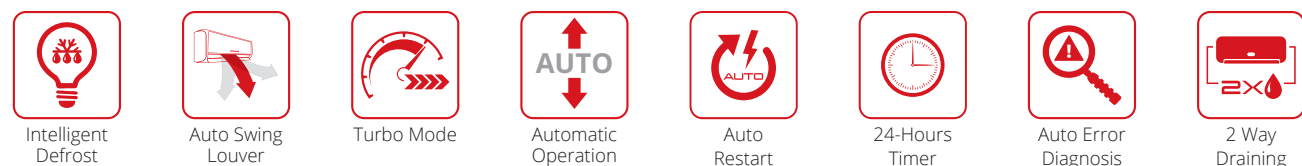
### Blow Xfan

It eliminates unwanted moisture in the indoor unit during cooling mode operation. After turning off the air conditioner, the indoor unit's fan will keep running for a while in order to dry the indoor unit.



### Intelligent Defrost

Power saving and improved heating efficiency by intelligent defrost. Intelligent Defrost is achieved only by sensors that they control the need and duration of defrost process.



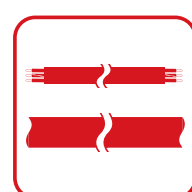
A Energy Class



Anti-Cold Air Function



Blow Xfan



Connecting Pipes and Cables (Optional)



MODEL	LIMI-09/LIM0-09	LIMI-12/LIM0-12	LIMI-18/LIM0-18	LIMI-24/LIM0-24
Cooling Capacity (Btu/h)	9.000	12.113	18.000	22.007
Cooling Capacity (kWatt)	2.64	3.55	5.28	6.45
Heating Capacity (Btu/h)	9.400	12.624	18.800	23.000
Heating Capacity (kWatt)	2.75	3.70	5.51	6.74
EER(W/W)	3.21	3.21	3.22	3.21
COP(W/W)	3.61	3.61	3.60	3.61
<b>Energy Class</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>
Voltage / Frequency / Phase (V/Hz/Ph)	230/50/1	230/50/1	230/50/1	230/50/1
Current Input (A)	Cooling	3.65	4.90	7.30
	Heating	3.39	4.56	6.80
Power Input (W)	Cooling	821	1.006	1.640
	Heating	763	1.025	1.530
Air Flow Volume (m <sup>3</sup> /h) (High/Medium/Low)	490/430/330	540/460/330	780/680/540	1000/800/650
Noise Level (dB(A))	Indoor unit (High/Medium/Low)	28/32/35	29/33/37	35/39/43
	Outdoor unit	50	52	56
Compressor Type	ROTARY	ROTARY	ROTARY	ROTARY
Liquid line   Gas line	1/4" / 3/8"	1/4" / 1/2"	1/4" / 1/2"	1/4" / 5/8"
Dimensions WxHxD (mm)	Indoor unit	790x275x202	845x289x209	970x300x224
	Outdoor unit	720x428x310	848x540x320	899x596x378
Net Weight	Indoor / Outdoor (kg)	9 / 26	10.5 / 33	13.5 / 46.5
			17 / 52	
Refrigerant	R410A/620g	R410A/800g	R410A/1.250g	R410A/1.550g
Operation Temperature Range (°C)	Cooling	18~43	18~43	18~43
	Heating	-7~24	-7~24	-7~24
Loading Quantities per 20'/40' HC	132/310	93/240	75/179	55/140



### A Energy Class

The higher and more efficient performance rating maximizes your energy savings.



### Blow Xfan

It eliminates unwanted moisture in the indoor unit during cooling mode operation. After turning off the air conditioner, the indoor unit's fan will keep running for a while in order to dry the indoor unit.



### Intelligent Defrost

Power saving and improved heating efficiency by intelligent defrost. Intelligent Defrost is achieved only by sensors that they control the need and duration of defrost process.



MODEL	RMFI-24/RMFO-24		RMFI-50/RMFO-50		RMFI-66/RMFO-66	
	ON	OFF	ON	OFF	ON	OFF
Cooling Capacity (Btu/h)	24.000		42.000		53.500	
Heating Capacity (Btu/h)	27.000+7.200		49.000+12.000		56.500+12.000	
Voltage/ Frequency / Phase (V/Hz/Ph)	230/50/1		380/50/3		380/50/3	
Current Input(A)	Cooling	12.2	8.5	10.5		
	Heating	11.5+10.0	8.7+3.6	9.8+5.3		
Power Input(W)	Cooling	2.580	5.100	6.200		
	Heating	2.450+2.200	5.200+3.500	5.700+3.500		
EER	2.73		2.41		2.53	
COP	3.23		2.76		2.91	
Air Flow Volume (Hi/Med/Low)(m³/h)	970/800		1.750/1.450		2.200/2.040/1.200	
Noise level (dB(A))	Indoor unit (High/Low)	50/46	54/50	59/55		
	Outdoor unit	58	62	62		
Dimensions WxDxH (mm)	Indoor unit	510x240x1.695	550x350x1.800	600x358x1.900		
	Outdoor unit	845x320x700	900x350x1.170	900x350x1.170		
Net Weight Indoor/Outdoor (kg)	34.5 / 52.5		50 / 97		65/96	
Liquid line / Gas line	3/8" / 5/8"		1/2"/3/4"		1/2" / 3/4"	
Refrigerant	R410A/1.800g		R410A/3.300g		R410A / 3.200g	
Operation Temperature Range (°C)	Cooling	18~43	18~43	18~43		
	Heating	-7~24	-7~24	-7~24		
Loading Quantity 20'/40'/40 HQ (Set)	36/78/91		17/37/49		20/45/56	



Turbo Function



Auto Swing Louver



Auto Restart



24-Hours Programming



LCD Display



Remote Controller



### Auxiliary Heater

Plug-in electric heater, for higher efficiency in heating even in very low weather conditions.



### Anti-Cold Air Function

Indoor fan speed is regulated automatically from the lowest grade to the setting grade according to the evaporator temperature when the unit starts heating operation.



### Turbo Mode

This function gives you a boost in cooling and heating power for a period and makes the room cool down or heat up rapidly.



### Self-Diagnosis Function

In case of abnormal operation, the unit will shut down automatically to protect the system. Meanwhile it will indicate a protection or an error code on the display for fast service

MODEL		IMCRI-12/UMLS-12	IMCRI-18/UMLS-18	IMCI-24/UMLS-24
		ON OFF	ON OFF	ON OFF
Cooling Capacity (Btu/h)		12.500	18.300	24.000
Heating Capacity (Btu/h)		13.000	19.000	26.000
Voltage/ Frequency / Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1
Current Input(A)	Cooling	6.0	8.78	12.48
	Heating	5.9	7.63	11.52
Power Input(W)	Cooling	1.350	1.980	2.600
	Heating	1.320	1.720	2.400
EER		2.71	2.71	2.71
COP		2.89	3.24	3.18
Air Flow Volume (Hi/Med/Low)(m <sup>3</sup> /h)		650/550/430	810/650/530	1.200/1.050/900
Noise level [dB(A)]	Indoor unit (High/Low)	42/38/36	48/41/36	50/45/41
	Outdoor unit	59	62	62
Dimensions WxDxH (mm)	Panel	647x647x50	647x647x50	950x950x55
	Indoor unit	570x570x260	570x570x260	840x840x205
	Outdoor unit	770x300x555	770x300x555	845x363x702
Net Weight Panel/Indoor/Outdoor (kg)		2.5/16.3/30.5	2.5/16.5/36.5	5/22.1/52.7
Liquid line / Gas line		1/4" / 1/2"	1/4" 1/2"	3/8" / 5/8"
Refrigerant		R410A/1.100g	R410A/1.500g	R410A/1.800g
Operation Temperature Range (°C)	Cooling	18~43	18~43	18~43
	Heating	-7~24	-7~24	-7~24
Loading Quantity 20'/40'/40 HQ (Set)		78/161/189	66/149/177	49/102/120

MODEL		IMCI-36/UMLT-36	IMCI-50/UMLT-50	IMCI-60/UMLT-60
		ON OFF	ON OFF	ON OFF
Cooling Capacity (Btu/h)		36.000	48.000	55.000
Heating Capacity (Btu/h)		40000	52.000	61.000
Voltage/ Frequency / Phase (V/Hz/Ph)		380/50/3	380/50/3	380/50/3
Current Input(A)	Cooling	7.0	9.2	11.0
	Heating	6.0	8.5	10.3
Power Input(W)	Cooling	3.982	5.191	6.272
	Heating	3.607	4.763	5.843
EER		2.65	2.71	2.57
COP		3.25	3.2	3.06
Air Flow Volume (Hi/Med/Low)(m <sup>3</sup> /h)		1800/1600/1400	1900/1600/1400	2000/1700/1500
Noise level [dB(A)]	Indoor unit (High/Low)	51/47/43	53/48/44	53/48/44
	Outdoor unit	61	63	63
Dimensions WxDxH (mm)	Panel	950x950x55	950x950x55	950x950x55
	Indoor unit	840x840x245	840x840x245	840x840x287
	Outdoor unit	990x345x965	900x350x1.170	900x350x1.170
Net Weight Panel/Indoor/Outdoor (kg)		5/25/85	5/27/93.2	5/29/97
Liquid line / Gas line		3/8" / 3/4"	3/8" 3/4"	3/8" 3/4"
Refrigerant		R410A/2.400g	R410A/3.250g	R410A/3.200g
Operation Temperature Range (°C)	Cooling	18~43	18~43	18~43
	Heating	-7~24	-7~24	-7~24
Loading Quantity 20'/40'/40 HQ (Set)		33/68/80	30/63/74	30/62/73



Central Control Management (Optional)



Wired Control (Optional)



Error Alarm Port



Front Desk Control (Optional)



Built-In Drain Pump



Slim Design

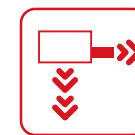


Intelligent Defrost



## 360° Air Outlet

Enjoy optimum comfort, anywhere in the room. 360 degree directional wind coming out from 8 instead of 4 air outlets, can deliver air evenly throughout every corner in any space. Supplying 360 degree, even airflow, reduces hot and cold spots in the space providing ultimate comfort.



## External Air Duct Outlet

With the special structure of the indoor unit, an extra duct can supply air to another room. Suitable for air conditioning extra small rooms.



## Fresh Air Intake

Provided to handle the fresh air load for a clean and healthy environment.



## Anti-Cold Air Function

Indoor fan speed is regulated automatically from the lowest grade to the setting grade according to the evaporator temperature when the unit starts heating operation.



MODEL	IMKI-18/UMLS-18		IMKI-24/UMLS-24	
	ON	OFF	ON	OFF
Cooling Capacity (Btu/h)	18.000		24.000	
Heating Capacity (Btu/h)	19.000		26.000	
Voltage/ Frequency / Phase (V/Hz/Ph)	230/50/1		230/50/1	
Current Input(A)	Cooling	9.36	Cooling	12.62
	Heating	7.67	Heating	11.76
Power Input(W)	Cooling	2.110	Cooling	2.630
	Heating	1.730	Heating	2.450
EER	2.57		2.67	
COP	3.22		3.11	
Air Flow Volume (Hi/Med/Low)(m <sup>3</sup> /h)	1150/950/800		1250/1050/900	
Noise level (dB(A))	Indoor unit (Hi/Med/Low)	53/48/43	Indoor unit (Hi/Med/Low)	54/49/44
	Outdoor unit	62	Outdoor unit	62
Dimensions WxDxH (mm)	Indoor unit	1.068x235x675	Indoor unit	1.068x235x675
	Outdoor unit	770x300x555	Outdoor unit	845x363x702
Net Weight Indoor/Outdoor (kg)	24 / 37		24 / 48	
Liquid line / Gas line	1/4" / 1/2"		3/8" / 3/4"	
Refrigerant	R410A/1.500g		R410A/1.800g	
Operation Temperature Range (°C)	Cooling	18~43	Cooling	18~43
	Heating	-7~24	Heating	-7~24
Loading Quantity 20'/40'/40 HQ (Set)	59/129/151		59/122/143	

MODEL	IMKI-36/UMLT-36		IMKI-50/UMLT-50		IMKI-60/UMLT-60	
	ON	OFF	ON	OFF	ON	OFF
Cooling Capacity (Btu/h)	36.000		48.000		55.000	
Heating Capacity (Btu/h)	39.500		52.000		60.000	
Voltage/ Frequency / Phase (V/Hz/Ph)	380/50/3		380/50/3		380/50/3	
Current Input(A)	Cooling	7.0	Cooling	8.4	Cooling	10.5
	Heating	6.5	Heating	8.6	Heating	9.6
Power Input(W)	Cooling	3.980	Cooling	5.060	Cooling	6.400
	Heating	3.700	Heating	5.063	Heating	5.800
EER	2.65		2.78		2.52	
COP	3.13		3.01		3.03	
Air Flow Volume (Hi/Med/Low)(m <sup>3</sup> /h)	1.750/1.400/1.250		1.750/1.400/1.250		2.300/1.800/1.600	
Noise level (dB(A))	Indoor unit (Hi/Med/Low)	53/48/44	Indoor unit (Hi/Med/Low)	53/48/44	Indoor unit (Hi/Med/Low)	55/49/46
	Outdoor unit	61	Outdoor unit	63	Outdoor unit	63
Dimensions WxDxH (mm)	Indoor unit	1.285x235x675	Indoor unit	1.285x235x675	Indoor unit	1.650x235x675
	Outdoor unit	990x345x965	Outdoor unit	900x350x1.170	Outdoor unit	900x350x1.170
Net Weight Indoor/Outdoor (kg)	29 / 81		31 / 96		39 / 97	
Liquid line / Gas line	3/8" / 3/4"		3/8" / 3/4"		3/8" / 3/4"	
Refrigerant	R410A / 2.400g		R410A / 3.250g		R410A / 3.200g	
Operation Temperature Range (°C)	Cooling	18~43	Cooling	18~43	Cooling	18~43
	Heating	-7~24	Heating	-7~24	Heating	-7~24
Loading Quantity 20'/40'/40 HQ (Set)	32/67/79		30/63/74		27/57/67	



Central Control Management (Optional)



Wired Control (Optional)



Error Alarm Port



Front Desk Control (Optional)



2 Way Draining connection



Auto Restart



Intelligent Defrost



## Anti-Cold Air Function

Indoor fan speed is regulated automatically from the lowest grade to the setting grade according to the evaporator temperature when the unit starts heating operation.



## Temperature Sensor Offset

The temperature detected by the indoor unit temperature probe will often be different from the actual ground temperature, due to the indoor units being installed at different heights. This feature can correct the temperature difference



## Sleep Function

Sleep mode saves energy by gradually increasing (summer) or decreasing (winter) the indoor temperature, to match your body metabolism helping you sleep comfortably



## Self-Diagnosis Function

In case of abnormal operation, the unit will shut down automatically to protect the system. Meanwhile it will indicate a protection or an error code on the display for fast service

MODEL		IMDI-12/UMLS-12	IMDI-18/UMLS-18	IMDI-24/UMLS-24
		ON OFF	ON OFF	ON OFF
Cooling Capacity (Btu/h)		12.300	18.000	24.000
Heating Capacity (Btu/h)		13.000	19.000	25.500
Voltage/ Frequency / Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1
Current Input(A)	Cooling	6.10	8.82	13.25
	Heating	5.83	7.80	11.8
Power Input(W)	Cooling	1.370	2.130	2.845
	Heating	1.310	1.760	2.450
EER		2.63	2.48	2.47
COP		2.91	3.16	3.05
Air Flow Volume (Hi/Med/Low)(m³/h)		624/485/400	816/546/485	816/546/485
External Static Pressure (Pa)		25(0-60)	25(0-60)	25(0-60)
Noise level (dB(A))	Indoor unit (High/Low)	40/32	43/36	41/31
	Outdoor unit	59	58	59
Dimensions WxDxH (mm)	Indoor unit	700x635x210	920x635x210	920x635x270
	Outdoor unit	770x300x555	770x300x555	845x363x702
Net Weight Indoor/Outdoor (kg)		18.3/30.5	24.0/36.5	26.5 / 48
Liquid line / Gas line		1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"
Refrigerant		R410A/1.100g	R410A / 1.500 g	R410A / 1.800g
Operation Temperature Range (°C)	Cooling	18~43	18~43	18~43
	Heating	-7~24	-7~24	-7~24
Loading Quantity 20'/40'/40 HQ (Set)		79/164/193	61/133/151	47/107/120

MODEL		IMDI-36/UMLT-36	IMDI-50/UMLT-50	IMDI-60/UMLT-60
		ON OFF	ON OFF	ON OFF
Cooling Capacity (Btu/h)		36.000	48.000	55.000
Heating Capacity (Btu/h)		40.000	55.000	60.000
Voltage/ Frequency / Phase (V/Hz/Ph)		380/50/3	380/50/3	380/50/3
Current Input(A)	Cooling	6.7	9.57	10.9
	Heating	6.0	7.89	9.10
Power Input(W)	Cooling	3.820	5.540	6.790
	Heating	3.438	4.570	5.460
EER		2.76	2.54	2.46
COP		3.41	3.53	3.22
Air Flow Volume (Hi/Med/Low)(m³/h)		1848/1103/850	2282/1439/1103	2282/1439/1103
External Static Pressure (Pa)		80	100	100
Noise level (dB(A))	Indoor unit (High/Low)	48/37	47/38	47/38
	Outdoor unit	61	63	63
Dimensions WxDxH (mm)	Indoor unit	1.140x775x270	1.200x865x300	1.200x865x300
	Outdoor unit	990x345x965	900x350x1.170	900x350x1.170
Net Weight Indoor/Outdoor (kg)		36 / 81	44.5 / 96	47 / 97
Liquid line / Gas line		3/8" / 3/4"	3/8" / 5/8"	3/8" 3/4"
Refrigerant		R410A / 2.400g	R410A / 3.250g	R410A / 3.200g
Operation Temperature Range (°C)	Cooling	18~43	18~43	18~43
	Heating	-7~24	-7~24	-7~24
Loading Quantity 20'/40'/40 HQ (Set)		27/59/68	17/41/59	17/41/59



Central Control Management (Optional)



Wired Control (Optional)



Error Alarm Port



Front Desk Control (Optional)



2 Way Draining connection



Intelligent Defrost



Auto Restart



## Two Air Inlet Styles

Choose between the bottom or the rear side for the air intake. It can fit all needs of the installations. Flexible air intake from the back or the bottom part of the unit.



## Fresh Air Intake

Provided to handle the fresh air load for a clean and healthy environment.



## Anti-Cold Air Function

Indoor fan speed is regulated automatically from the lowest grade to the setting grade according to the evaporator temperature when the unit starts heating operation.



## 24-Hours Timer

Set the unit to start and stop automatically in a 24h period.

MODEL		IMDHI-24/UMLS-24	IMDHI-36/UMLT-36
		ON   OFF	ON   OFF
Cooling Capacity (Btu/h)		24.000	36.000
Heating Capacity (Btu/h)		26.000	40.000
Voltage/ Frequency / Phase (V/Hz/Ph)		230/50/1	380/50/3
Current Input(A)	Cooling	13.01	6.82
	Heating	10.89	5.78
Power Input(W)	Cooling	2.710	3.950
	Heating	2.270	3.350
EER		2.6	2.67
COP		3.36	3.5
Air Flow Volume (Hi/Med/Low)(m³/h)		1.615/1.155/989	2.300/2.010/1.815
External Static Pressure (Pa)		25 (0-120)	150
Noise level (dB(A))	Indoor unit (High/Low)	48/38	49/44
	Outdoor unit	62	61
Dimensions WxDxH (mm)	Indoor unit	900x525x270	1.140x775x270
	Outdoor unit	845x363x702	990x345x965
Net Weight Indoor/Outdoor (kg)		25/52.7	35 / 81
Liquid line / Gas line		3/8" / 5/8"	3/8" / 3/4"
Refrigerant		R410A / 1.800g	R410A / 2.400g
Operation Temperature Range (°C)	Cooling	18~43	18~43
	Heating	-7~24	-7~24
Loading Quantity 20'/40'/40 HQ (Set)		51/105/124	30/63/74

MODEL		IMDHI-50/UMLT-50	IMDHI-60/UMLT-60
		ON   OFF	ON   OFF
Cooling Capacity (Btu/h)		48.000	55.000
Heating Capacity (Btu/h)		52.000	60.000
Voltage/ Frequency / Phase (V/Hz/Ph)		380/50/3	380/50/3
Current Input(A)	Cooling	9.72	10.62
	Heating	7.97	8.88
Power Input(W)	Cooling	5.630	6.150
	Heating	4.620	5.140
EER		2.5	2.62
COP		3.3	3.42
Air Flow Volume (Hi/Med/Low)(m³/h)		3.500/2.800/2.200	3.500/2.800/2.200
External Static Pressure (Pa)		160	160
Noise level (dB(A))	Indoor unit (High/Low)	51/46	50/44
	Outdoor unit	63	63
Dimensions WxDxH (mm)	Indoor unit	1.200x865x300	1.200x865x300
	Outdoor unit	900x350x1.170	900x350x1.170
Net Weight Indoor/Outdoor (kg)		47 / 96	47 / 97
Liquid line / Gas line		3/8" / 3/4"	3/8" 3/4"
Refrigerant		R410A / 3.250g	R410A / 3.200g
Operation Temperature Range (°C)	Cooling	18~43	18~43
	Heating	-7~24	-7~24
Loading Quantity 20'/40'/40 HQ (Set)		26/54/63	26/54/63



Central Control Management (Optional)



Wired Control (Optional)



Error Alarm Port



Front Desk Control (Optional)



2 Way Draining connection



Intelligent Defrost



Auto Restart



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