

The **NAME** in air conditioning



Product Catalogue
2019





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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

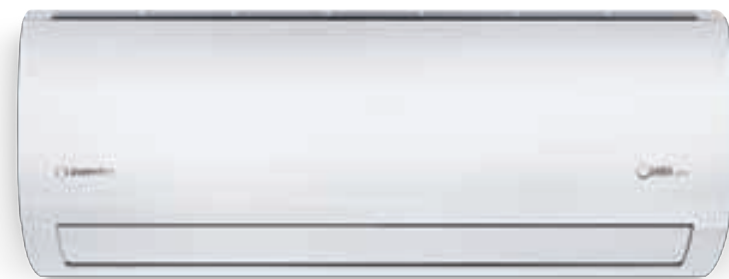


Increase or reduce the temperature of your air conditioner, from wherever you are, just with a touch of your mobile device screen, by sliding upwards or downwards depending on the desired temperatures.



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!



Low Ambient Cooling

Sleep Mode

12 Grades Indoor Fan Speeds

5 Grades Outdoor Fan Speeds

Turbo Mode

Auto Restart

24-Hours Timer

Auto Error Diagnosis

All DC Inverter

Follow Me

Energy Class

Ionizer

Sterilization HEPA Filter

Triple Action Filter

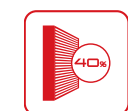
MODEL		02MVI-09WIFIR/02MVO-09	02MVI-12WIFIR/02MVO-12	02MVI-18WFR/02MVO-18	02MVI-24WIFIR/02MVO-24	
Cooling Capacity (Btu/h)		9.000 (3.500-11.000)	12.000 (3.700-14.000)	18.000 (6.200-20.900)	24.000 (9.100-26.900)	
Cooling Capacity (kWatt)		2.64 (1.03-3.22)	3.52 (1.08-4.1)	5.28 (1.82-6.13)	7.03 (2.67-7.88)	
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 (0.87-4.22)	5.57 (1.37-6.74)	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	6.2	6.1	6.4	6.1
		Annual Power Consumption (kWh/year)	147	201	290	402
	Heating (Middle Zone)	Pdesign (kW)	2.2	2.3	4.2	5.4
		Energy Class	A+	A+	A+	A+
		SCOP	4.0	4.0	4.0	4.0
		Annual Power Consumption (kWh/year)	770	805	1.470	1.890
	Heating (Warm Zone)	Pdesign (kW)	2.8	2.9	4.4	6.3
		Energy Class	A+++	A+++	A+++	A+++
		SCOP	5.1	5.1	5.1	5.1
		Annual Power Consumption (kWh/year)	769	796	1.208	1.729
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)		420/320/270	570/470/370	840/680/540	980/800/640	
Noise Level (dB(A))	Indoor unit (Silent/Low/Medium/High)	22.5/27/34/40	23/28/36/41	25/35/40/47	27/34/39/45	
	Outdoor unit	55.5	56	56	60	
Sound Power Level (dB(A))	Indoor unit	52	53	56	59	
	Outdoor unit	60	59	63	65	
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	715x285x194	805x285x194	957x302x213	1.040x327x220	
	Outdoor unit	770x555x300	770x555x300	800x554x333	845x702x363	
Net Weight		Indoor / Outdoor (kg)	6.8/25.2	7.2/25.5	9.5/37.8	11.9/48.4
Refrigerant		R410A/800g	R410A/800g	R410A/1480g	R410A/1850g	
Operation Temperature Range (°C)	Cooling	-15~50	-15~50	-15~50	-15~50	
	Heating	-15~30	-15~30	-15~30	-15~30	



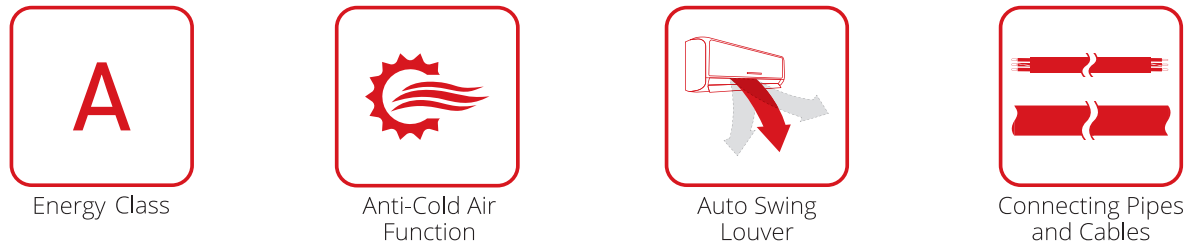
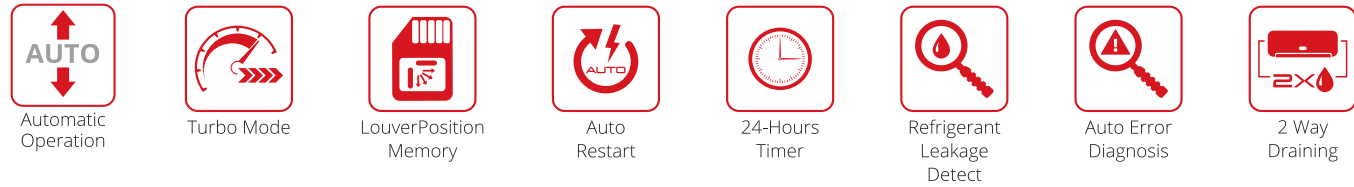
Wi-Fi Ready
Set the air conditioner easily from wherever you are through your Smartphone or your Tablet. Free download the Invmate II application via Google Play & App Store and achieve optimal temperature conditions with great energy savings.



Hotel Menu
With the Hotel Menu, cooling and heating operation can be set under certain operating limits. The air conditioner is locked, preventing extreme temperatures and drastically contributes to save up to 70% of the operating costs.



High Density Air Dust Filter
The exquisite filter provides up to 40% more dust absorption, protecting the indoor unit more efficiently and ensuring even cleaner and healthier air in your room.



MODEL	01MI-07/01M0-07	01MI-09/01M0-09	01MI-12/01M0-12	01MI-18/01M0-18	01MI-24/01M0-24	01MI-30/01M0-30	
Cooling Capacity (Btu/h)	7.500	9.000	12.000	18.000	24.000	27.000	
Cooling Capacity (kWatt)	2.2	2.64	3.52	5.28	7.03	7.91	
Heating Capacity (Btu/h)	8.000	9.500	13.000	19.000	25.000	30.000	
Heating Capacity (kWatt)	2.34	2.78	3.81	5.57	7.33	8.79	
EER(W/W)	3.21	3.21	3.21	3.21	2.81	2.81	
COP(W/W)	3.61	3.61	3.61	3.61	3.21	3.21	
Energy Class (Cooling/Heating)	A/A	A/A	A/A	A/A	C/C	C/C	
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	3.0	3.6	4.8	7.1	10.9	12.2
	Heating	2.8	3.4	4.6	6.7	9.9	11.8
Power Input (W)	Cooling	684	821	1.095	1.643	2.503	2810
	Heating	645	771	1.055	1.542	2.280	2735
Air Flow Volume (m³/h) [High/Medium/Low]	422/375/302	510/380/338	568/440/352	820/665/543	1.000/796/640	1016/806/656	
Noise Level (dB(A))	Indoor unit (Low/Medium/High)	27/32/36	26/33/40	31/36/41	33/38/43	34/40/47	34/40/47
	Outdoor unit	51.5	55.5	56	56	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	715x194x285	715x194x285	805x194x285	957x213x302	1.040x220x327	1.040x220x327
	Outdoor unit	700x270x550	700x270x550	770x300x555	770x300x555	845x363x702	845x363x702
Net Weight	Indoor / Outdoor (kg)	7.2/23.5	7.2/26.4	7.7/30.0	10.2/35.8	12.7/48.8	12.7/53.6
Refrigerant		R410A/520g	R410A/730g	R410A/740g	R410A/1.150g	R410A/1.750g	R410A/1950g
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		120/280	120/280	102/255	96/220	65/152	65/152



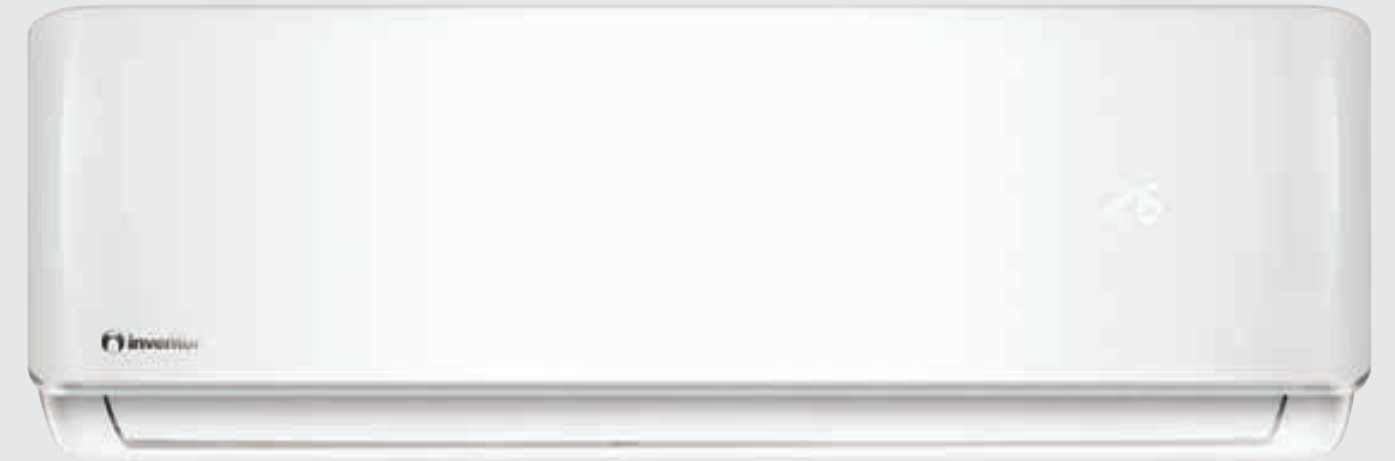
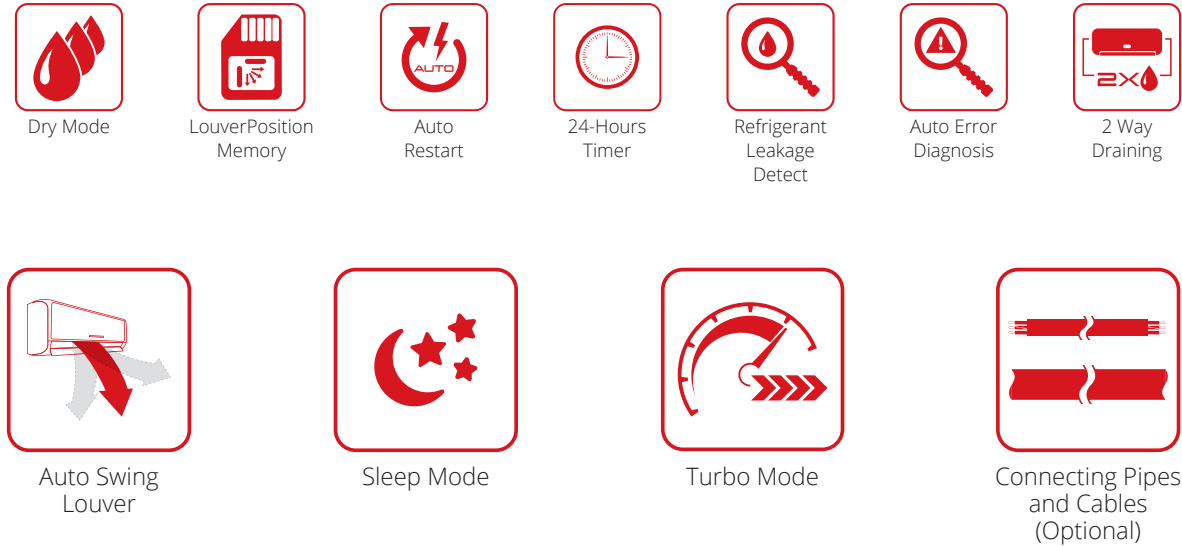
Energy Class
The higher and more efficient performance rating maximizes your energy savings.



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	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

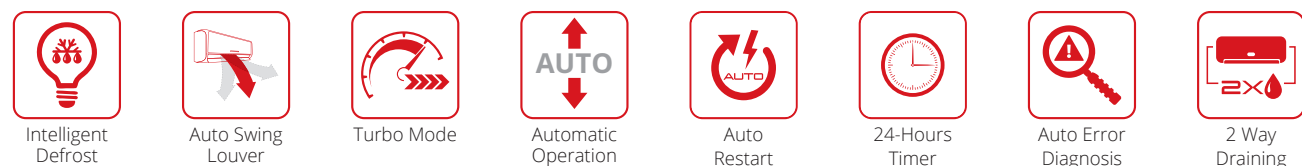
Set the unit to start and stop automatically in a 24h period and save energy.



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.





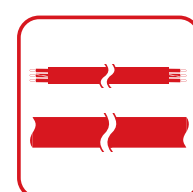
Energy Class



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
Energy Class	A	A	A	A
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 ³ /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
Refrigerant		R410A/620g	R410A/800g	R410A/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		132/310	93/240	75/179



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	R2MF1/R2MF0-24		R2MF1/R2MF0-60	
	ON	OFF	ON	OFF
Cooling Capacity (Btu/h)	24.000		47.800	
Heating Capacity (Btu/h)	26.000+8.000		52.000+12.000	
Voltage/ Frequency / Phase (V/Hz/Ph)	220-240V/1Ph/50Hz		380-420V/50H/3Ph	
Current Input(A)	Cooling	13.04	9.1	
	Heating	12.08+11.4	9.2+5.3	
Power Input(W)	Cooling	2.700	5.300	
	Heating	2.500+2.500	5.400+3.700	
EER	2.61		2.64	
COP	3.05		2.82	
Air Flow Volume (Hi/Med/Low)(m³/h)	1.154/980		1.750/1.450	
Noise level (dB(A))	Indoor unit (High/Low)	47.5/40.5	54/50	
	Outdoor unit	60	62	
Dimensions WxDxH (mm)	Indoor unit	510 x 315 x 1.750	550 x 350 x 1.800	
	Outdoor unit	845 x 363 x 702	900 x 350 x 1.170	
Net Weight Indoor/Outdoor (kg)	38.4/57.7		50/97	
Liquid line / Gas line	3/8" / 5/8"		1/2" / 3/4"	
Refrigerant	R410A/1.800g		R410A/3.300g	
Operation Temperature Range (°C)	Cooling	17~43	17~43	
	Heating	-15~24	-7~24	
Loading Quantity 20'/40'/40 HQ (Set)	33/68/78		20/44/52	



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 ³ /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 ³ /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 ³ /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 ³ /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.

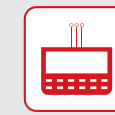


Self-Diagnosis Function

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)(m ³ /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)(m ³ /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)(m ³ /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)(m ³ /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)



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The **NAME** in air conditioning provides...



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