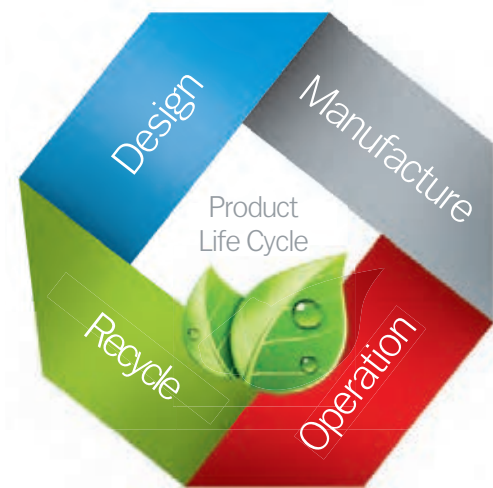




Light Commercial A/C Units

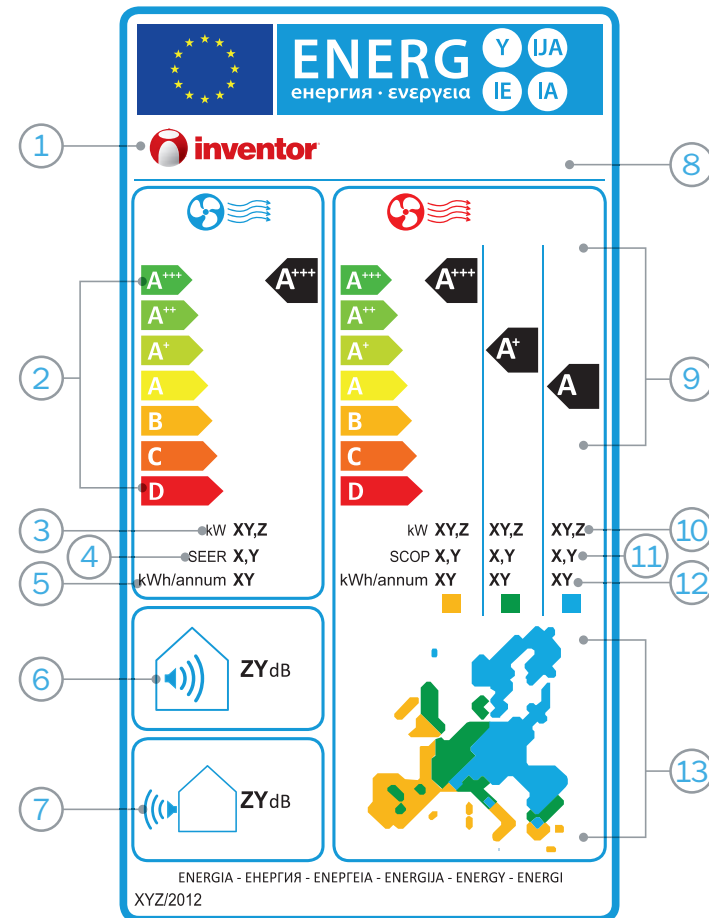


Eco Design

Inventor Air Conditioners are designed with special consideration on the environmental impacts during their whole lifecycle.

The overall objective of Eco-design products is to reduce greenhouse gas emissions at low cost, through reduced energy demand. Eco-design products are not only environment friendly, but also offer considerable savings through reduced energy demand during operation. In addition, Inventor units are designed and produced taking into account other environmental considerations including: materials use; water use; polluting emissions; waste issues and recyclability.

New Energy Label



- Brand Name
- Energy classification cooling mode, A+++ the most efficient
- Cooling Capacity
- SEER : Seasonal Efficiency Ratio (for cooling mode), is the cooling season energy efficiency performance, expressed as the ratio between the reference seasonal cooling demand in kWh/a and the seasonal electricity consumption for cooling in kWh/a
- Annual power consumption in cooling mode
- Sound Power Level (dB) indoor unit
- Sound Power Level (dB) outdoor unit
- Indoor's and outdoor's units model name
- Energy classification in heating mode*
- Heating Capacity*
- SCOP : Seasonal Coefficient of Performance (for Heating mode) is the heating season efficiency performance, expressed as the ratio between the reference seasonal heating energy demand in kWh/a and the seasonal electricity consumption for heating, which may vary according to the climate profile chosen in kWh/a*
- Annual power consumption in heating mode*
- European map divided into 3 climate zones

- Warm zone
- Average zone
- Cold zone

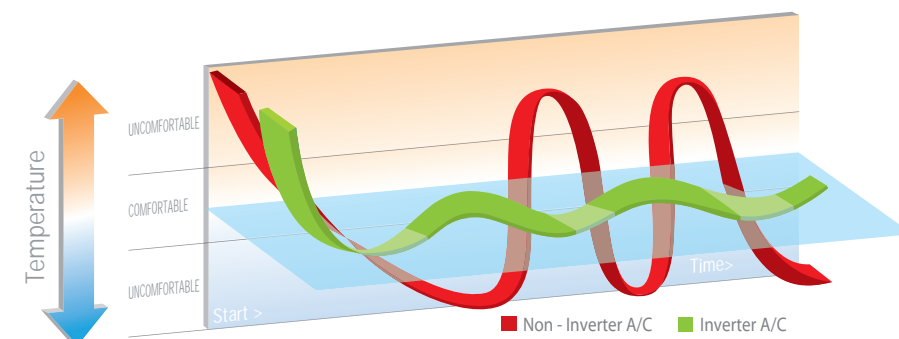
* Only average climate zone data are obligatory to be written
** The new energy label and the eco design are obligatory only for the units up to 12kW



DC Inverter Technology

Save Energy and enjoy maximum comfort levels with Inventor's DC INVERTER technology

As a multiple-part kit, "DC Inverter" regulates voltage, current and frequency on the compressor and the outdoor unit's motor, succeeding a wide capacity range and stable operation. Combined with the sensors placed both in the indoor and outdoor units, "DC Inverter" offers ultimate comfort levels and superior performance, even in extreme outdoor conditions, with energy savings up to 50%.



- ✓ Save Energy
- ✓ Soft start up
- ✓ Wide capacity range
- ✓ Operation at maximum capacity in order to reach the desired temperature in the shortest time
- ✓ Constant and silent operation at low capacity when desired temperature is reached for a relaxing environment

All DC Inverter



The advanced All DC Inverter technology allows continuous adjustment and control of the frequency of the compressor and the fan motors of the indoor and the outdoor units. By varying the frequency of the compressor, there is a continuous adjustment of the unit performance to create the perfect indoor conditions fast, smoothly and economically.

The DC Inverter motor of the outdoor unit offers a wide operating range, allowing the unit to work seamlessly in extreme outdoor weather conditions and with great savings of up to 50%. In addition, the internal DC Inverter fan, adjusts with high accuracy the indoor conditions achieving stability in room temperature without fluctuations.







U - MATCH



Advanced outdoor unit common to all Light Commercial indoor Air Conditioning units ON/OFF and DC INVERTER.

The same outdoor unit can be connected to either cassette and floor-ceiling or ducted units, achieving, easy maintenance and fewer spare parts in case of damage.

Various Technologies

 <p>Intelligent defrost Stable room temperature and energy saving. Defrost is performed only when necessary and lasts as long as it is needed</p>	 <p>Self diagnosis Auto error diagnosis makes maintenance easier</p>	 <p>1w stand by Power consumption from 0,5-1W in Stand-by mode</p>	 <p>Turbo Function To reach the desired indoor temperature quickly</p>	 <p>Wide voltage start up Wide voltage start up 170-265V allows units to operate in unstable power supply areas reducing Unit breakdowns</p>	 <p>Auto restart Unit restores previous functions after a power loss.</p>
---	--	--	--	--	---

Eco Design Wall Mounted Multi Split All DC Inverter

12 Steps Indoor Fan Speed

Up to 12 steps indoor fan speed, ensures more accurate temperature control and creates an ultra comfortable indoor environment

Cold Catalyst Filter

Eliminates formaldehyde and other volatile organic compounds (VOCs) as well as harmful gases and odors

Hot Start Operation

The indoor coil sensor controls the indoor fan and prevents cold air from entering the room during start up in heating mode

Louver Position Memory

The horizontal louver will automatically move to the same position as it was set in the previous operation

Auto Restart

Saves the last settings in case of power failure

Auto Error Diagnosis

Back - Lit Display



A2MVI



FEATURES



MODEL	A2MVI-09	A2MVI-12	A2MVI-18	
Cooling Capacity (Btu/h)	9,000	12,000	17,000	
Heating Capacity (Btu/h)	10,000	13,000	18,000	
Voltage/Frequency/Phase (V/Hz/Ph)	230/50/1	230/50/1	230/50/1	
Current Input (A)	Cooling	0.21	0.11	0.14
	Heating	0.21	0.11	0.14
Power Input (W)	Cooling	48	24	34
	Heating	48	24	34
Air Flow Volume (m ³ /h)	620/540/440	630/550/430	730/480/400	
Noise Level (dB(A))	41/38/31	43/40/31	41/33/31	
Sound Power Level (dB(A))	58	57	55	
Dimensions WxHxD (mm)	800x275x188	800x275x188	940x275x205	
Net Weight Indoor (kg)	7	7	9	
Liquid Line / Gas Line	1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"	
Room Temperature Range (°C)	Cooling	17-32	17-32	17-32
	Heating	0-30	0-30	0-30



Eco Design Cassettes Multi Split All DC Inverter

Compact Design

Suitable for easy installations in one standard ceiling tile

360° Air Outlet

Creates a soft and gentle air-flow which circulates throughout the room and provides an even temperature distribution

External Air Duct Outlet

Flexible air supply due to air outlet slots

Fresh Air Intake

For a clean and healthy environment

Hot Start Operation

The indoor coil sensor controls the indoor fan and prevents cold air from entering the room during start up in heating mode

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

Auto Restart

Saves the last settings in case of power failure

Overflow Pump Indicator

Indicates the water level in order to empty the water tank on time

Built-In E-Box

The E-box is simply and safely built inside the indoor unit. This integrated design provides a more compact body size

Built-in Drain Pump

The drain pump can lift the condensing water up to 750mm



LV2MCI



FEATURES



MODEL	LV2MCI-09	LV2MCI-12	LV2MCI-18	
Cooling Capacity (Btu/h)	9,000	12,000	18,000	
Heating Capacity (Btu/h)	10,000	13,000	18,000	
Voltage/Frequency/Phase (V/Hz/Ph)	230/50/1	230/50/1	230/50/1	
Current Input (A)	Cooling	0.18	0.18	0.44
	Heating	0.18	0.18	0.44
Power Input (W)	Cooling	40	40	102
	Heating	40	40	102
Air Flow Volume (m ³ /h)	580	720	800	
Noise Level (dB(A))	49	48	46	
Sound Power Level (dB(A))	53	54	54	
Dimensions WxHxD (mm)	Panel	647x50x647	647x50x647	647x50x647
	Indoor Unit	570x260x570	570x260x570	570x260x570
Net Weight Panel/ Indoor (kg)	2.5/16	2.5/16	2.5/18	
Liquid Line / Gas Line	1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"	
Room Temperature Range (°C)	Cooling	17-32	17-32	17-32
	Heating	0-30	0-30	0-30



Eco Design Consoles Multi Split DC Inverter

Compact Design

Hot Start Operation

The indoor coil sensor controls the indoor fan and prevents cold air from entering the room during start up in heating mode

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

Auto Restart

Saves the last settings in case of power failure

Wide Angle Air Flow

for greater air circulation in cooling mode

2 Ways Draining Connection

The drainage hose can be connected in both left and right side of the indoor unit for easy installation

Double Air Outlet

Air outlet from top and bottom to enjoy fast heating

Super Slim Design

Smaller indoor unit's height compared to the conventional indoor units

Return Air Intake

Flexible air intake from the back or the bottom part of the unit

Fresh Air Intake

For a clean and healthy environment

Adjustable Static Pressure Switch

Hot Start Operation

The indoor coil sensor controls the indoor fan and prevents cold air from entering the room during start up in heating mode

Auto Restart

Saves the last settings in case of power failure

Sleep Function

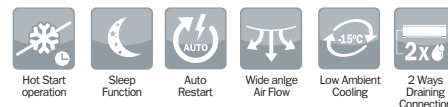
Sleep mode saves energy by gradually increasing (summer) or decreasing (winter) the indoor temperature, to match your body metabolism helping you sleep comfortably

Ability to connect with BMS

LV2MLI



FEATURES



MODEL	LV2MLI-09	LV2MLI-12	LV2MLI-18
Cooling Capacity (Btu/h)	9,000	12,000	18,000
Heating Capacity (Btu/h)	10,000	13,000	18,000
Voltage/Frequency/Phase (V/Hz/Ph)	230/50/1	230/50/1	230/50/1
Current Input (A)	Cooling	0.13	0.17
	Heating	0.13	0.17
Power Input (W)	Cooling	30	40
	Heating	30	40
Air Flow Volume (m ³ /h)	680	650	740
Noise Level (dB(A))	47	47	48
Sound Power Level (dB(A))	57	57	59
Dimensions WxHxD (mm)	700x600x210	700x600x210	700x600x210
Net Weight Indoor (kg)	13	15	15
Liquid Line / Gas Line	1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"
Room Temperature Range (°C)	Cooling	17-32	17-32
	Heating	0-30	0-30



LV2MDI



FEATURES



MODEL	LV2MDI-09	LV2MDI-12	LV2MDI-18
Cooling Capacity (Btu/h)	9,000	12,000	18,000
Heating Capacity (Btu/h)	10,000	13,000	20,000
Voltage/Frequency/Phase (V/Hz/Ph)	230/50/1	230/50/1	230/50/1
Current Input (A)	Cooling	0.13	0.17
	Heating	0.13	0.17
Power Input (W)	Cooling	30	40
	Heating	30	107
Air Flow Volume (m ³ /h)	600	680	1,000
Static Pressure (Pa)	40	40	70
Noise Level (dB(A))	43	43	46
Sound Power Level (dB(A))	55	55	56
Dimensions WxHxD (mm)	700x210x635	700x210x635	920x210x635
Net Weight Indoor (kg)	19.5	18	23
Liquid Line / Gas Line	1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"
Room Temperature Range (°C)	Cooling	17-32	17-32
	Heating	0-30	0-30



Eco Design Multi Split All DC Inverter Outdoor Units

MODEL		U2MRSL(2)-18	U2MRSL(3)-21
Cooling Capacity (Btu/h)		18.000	21.000
Heating Capacity (Btu/h)		21.000	23.000
Number of Indoor Units (min-max)		1-2	1-3
Voltage/Frequency/Phase (V/Hz/Ph)		230/50/1	230/50/1
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	5.3
		SEER	6.3
	Heating (Middle Zone)	Pdesign (kW)	5.8
		SCOP	4.1
Energy Class		A++	A+
Noise Level (dB(A))		61	58
Sound Power Level (dB(A))		63	64
Dimensions WxHxD (mm)		845x700x320	845x700x320
Net Weight Outdoor (kg)		48	50
Compressor Type		Twin-rotary	Twin-rotary
Liquid Line / Gas Line		2 x 1/4"/3/8"	3 x 1/4"/3/8"
Refrigerant		R410A/1.900g	R410A/2.100g
Maximum Pipe Length (m)	Total	30	45
	For one Indoor Unit	20	25
Max. Height Difference Between Indoor and Outdoor Unit (m)	Outdoor Unit Higher than Indoor Unit	10	10
	Outdoor Unit Lower than Indoor Unit	15	15
Max. Height Difference Between Indoor Units (m)		10	10
Operation Temperature Range (°C)	Cooling	-15-50	-15-50
	Heating	-15-24	-15-24

MODEL		U2MRSL(3)-27	U2MRSL(4)-28	U2MRSL(4)-36	U2MRSL(5)-36
Cooling Capacity (Btu/h)		27.000	28.000	36.000	36.000
Heating Capacity (Btu/h)		30.000	31.000	41.000	42.000
Number of Indoor Units (min-max)		1-3	1-4	1-4	1-5
Voltage/Frequency/Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1	230/50/1
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	8.1	8.2	10.55
		SEER	7.0	6.4	5.8
	Heating (Middle Zone)	Pdesign (kW)	8.6	8.2	10.9
		SCOP	3.9	3.8	3.8
Energy Class		A++	A++	A+	A
Noise Level (dB(A))		61	59	64	63
Sound Power Level (dB(A))		67	70	67	67
Dimensions WxHxD (mm)		900x860x315	900x860x315	990x965x345	990x965x345
Net Weight Outdoor (kg)		62	65	78	80
Compressor Type		Twin-rotary	Twin-rotary	Twin-rotary	Twin-rotary
Liquid Line / Gas Line		3 x 1/4"/3/8"	4 x 1/4"/3/8"	4 x 1/4"/3/8"	5 x 1/4"/3/8"
Refrigerant		R410A/2.400g	R410A/2.400g	R410A/2.700g	R410A/3.000g
Maximum Pipe Length (m)	Total	45	60	60	75
	For one Indoor Unit	25	30	30	30
Max. Height Difference Between Indoor and Outdoor Unit (m)	Outdoor Unit Higher than Indoor Unit	10	10	10	10
	Outdoor Unit Lower than Indoor Unit	15	15	15	15
Max. Height Difference Between Indoor Units (m)		10	10	10	10
Operation Temperature Range (°C)	Cooling	-15-50	-15-50	-15-50	-15-50
	Heating	-15-24	-15-24	-15-24	-15-24



U2MRSL



FEATURES



Connection of one Outdoor Unit with up to Five Indoor Units

A++ Energy Class Eco design units

ALL DC INVERTER High Technology
DC INVERTER compressor and indoor / outdoor fan motors for the best efficiency in extreme weather conditions and maximum energy savings

Cooling Mode in low ambient temperatures -15°C-50°C

Flexible Installation
Maximum total pipe length up to 75m

5 Steps Outdoor Fan Speed
The outdoor DC fan motor speed increased from 2 steps to 5, delivering significantly higher efficiency

Wide Operation Range
With up to 25 stages (F1-F25) compressor frequency. The frequency range is increased as much as 70%, allowing the system to run smoothly. It also provides accurate control for a comfortable environment and great energy saving

Wide Voltage Range (198-264V)
Suitable for unstable power supply areas

- Power Relay Control
- Low Noise Air Flow System
- Hydrophilic Aluminum Fins
- Discharge Pipe Sensor Protection
- Electronic Expansion Valve Per Circuit
- Error Diagnosis Display

Combination Table




Indoor Unit A	Indoor Unit B	Indoor Unit C	Indoor Unit D	Indoor Unit E	U2MRSL(2)-14	U2MRSL(2)-18	U2MRSL(3)-21	U2MRSL(3)-27	U2MRSL(4)-28	U2MRSL(4)-36	U2MRSL(5)-36
7k	-	-	-	-	•	•	•	•	•	•	•
9k	-	-	-	-	•	•	•	•	•	•	•
12k	-	-	-	-	•	•	•	•	•	•	•
18k	-	-	-	-	•	•	•	•	•	•	•
7k	7k	-	-	-	•	•	•	•	•	•	•
7k	9k	-	-	-	•	•	•	•	•	•	•
7k	12k	-	-	-	•	•	•	•	•	•	•
7k	18k	-	-	-	•	•	•	•	•	•	•
9k	9k	-	-	-	•	•	•	•	•	•	•
9k	12k	-	-	-	•	•	•	•	•	•	•
9k	18k	-	-	-	•	•	•	•	•	•	•
12k	12k	-	-	-	•	•	•	•	•	•	•
12k	18k	-	-	-	•	•	•	•	•	•	•
18k	18k	-	-	-	•	•	•	•	•	•	•
7k	7k	7k	-	-	•	•	•	•	•	•	•
7k	7k	9k	-	-	•	•	•	•	•	•	•
7k	7k	12k	-	-	•	•	•	•	•	•	•
7k	7k	18k	-	-	•	•	•	•	•	•	•
7k	9k	9k	-	-	•	•	•	•	•	•	•
7k	9k	12k	-	-	•	•	•	•	•	•	•
7k	9k	18k	-	-	•	•	•	•	•	•	•
7k	12k	12k	-	-	•	•	•	•	•	•	•
7k	12k	18k	-	-	•	•	•	•	•	•	•
7k	18k	18k	-	-	•	•	•	•	•	•	•
9k	9k	9k	-	-	•	•	•	•	•	•	•
9k	9k	12k	-	-	•	•	•	•	•	•	•
9k	9k	18k	-	-	•	•	•	•	•	•	•
9k	12k	12k	-	-	•	•	•	•	•	•	•
9k	12k	18k	-	-	•	•	•	•	•	•	•
9k	18k	18k	-	-	•	•	•	•	•	•	•
12k	12k	12k	-	-	•	•	•	•	•	•	•
12k	12k	18k	-	-	•	•	•	•	•	•	•
12k	18k	18k	-	-	•	•	•	•	•	•	•
18k	12k	18k	-	-	•	•	•	•	•	•	•
7k	7k	7k	7k	-	•	•	•	•	•	•	•
7k	7k	7k	9k	-	•	•	•	•	•	•	•
7k	7k	7k	12k	-	•	•	•	•	•	•	•
7k	7k	7k	18k	-	•	•	•	•	•	•	•
7k	7k	9k	9k	-	•	•	•	•	•	•	•
7k	7k	9k	12k	-	•	•	•	•	•	•	•
7k	7k	9k	18k	-	•	•	•	•	•	•	•
7k	7k	12k	12k	-	•	•	•	•	•	•	•
7k	7k	12k	18k	-	•	•	•	•	•	•	•
7k	7k	18k	18k	-	•	•	•	•	•	•	•
7k	9k	9k	9k	-	•	•	•	•	•	•	•
7k	9k	9k	12k	-	•	•	•	•	•	•	•
7k	9k	9k	18k	-	•	•	•	•	•	•	•



• : Available Combination of Indoor Units
 - : Not selected Indoor Units
 Blank : Unavailable Combination

Combination Table

Indoor Unit A	Indoor Unit B	Indoor Unit C	Indoor Unit D	Indoor Unit E	U2MRSL(2)-14	U2MRSL(2)-18	U2MRSL(3)-21	U2MRSL(3)-27	U2MRSL(4)-28	U2MRSL(4)-36	U2MRSL(5)-36
7k	9k	12k	12k	-					•	•	•
7k	9k	12k	18k	-						•	•
7k	12k	12k	12k	-						•	•
7k	12k	18k	18k	-						•	•
9k	9k	9k	9k	-					•	•	•
9k	9k	9k	12k	-					•	•	•
9k	9k	9k	18k	-						•	•
9k	9k	12k	12k	-						•	•
9k	9k	12k	18k	-						•	•
9k	9k	18k	18k	-						•	•
9k	12k	12k	12k	-						•	•
9k	12k	12k	18k	-						•	•
9k	12k	18k	18k	-						•	•
12k	12k	12k	12k	-						•	•
12k	12k	12k	18k	-						•	•
7k	7k	7k	7k	7k							•
7k	7k	7k	7k	9k							•
7k	7k	7k	7k	12k							•
7k	7k	7k	7k	18k							•
7k	7k	7k	9k	9k							•
7k	7k	7k	9k	12k							•
7k	7k	7k	9k	18k							•
7k	7k	7k	12k	12k							•
7k	7k	7k	12k	18k							•
7k	7k	7k	18k	18k							•
9k	9k	9k	9k	9k							•
9k	9k	9k	9k	12k							•
9k	9k	9k	9k	18k							•
9k	9k	9k	12k	12k							•
9k	9k	9k	12k	18k							•
7k	9k	12k	12k	12k							•
7k	9k	12k	12k	18k							•
9k	9k	12k	12k	12k							•
9k	12k	12k	12k	12k							•
12k	12k	12k	12k	12k							•

• : Available Combination of Indoor Units
 - : Not selected Indoor Units
 Blank : Unavailable Combination

MODEL		V2MCRI-18/U2MRS-18	V2MCI-24/U2MRS-24	V2MCI-36/U2MRS-36	
					
Cooling Capacity (Btu/h)		17.000 (5.400-21.600)	24.000 (7.200-28.800)	36.000(11.160-43.560)	
Heating Capacity (Btu/h)		18.000 (5.700-22.800)	26.000 (7.800-31.200)	40.000 (13.200-49.200)	
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	5.0	7.3	10.5
		Energy Class	A+	A++	A
		SEER	5.6	6.5	5.2
	Heating (Middle Zone)	Annual Power Consumption (kWh/year)	313	393	707
		Pdesign (kW)	5.3	8.0	10.3
		Energy Class	A	A	A
		SCOP	3.8	3.8	3.8
		Annual Power Consumption (kWh/year)	1.953	2.947	3.795
Voltage / Frequency / Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1	
Current Input Cooling (A)		7.09 (1.53-10.06)	9.98 (2.37-13.37)	15.06 (3.51-19.81)	
Current Input Heating (A)		6.68 (1.68-9.47)	9.61 (2.28-12.89)	14.87 (3.53-19.93)	
Power Input Cooling (W)		1.550 (351-2.313)	2.180 (544-3.074)	3.290 (807-4.555)	
Power Input Heating (W)		1.460 (386-2.178)	2.100 (525-2.892)	3.250 (812-4.585)	
Air Flow Volume (m³/h)		800	1.780	1.850	
Noise Level Indoor unit / Outdoor unit (dB(A))		47 / 60	50 / 60	52 / 65	
Sound Power Level Indoor unit / Outdoor unit (dB(A))		59 / 65	62 / 69	64 / 70	
Power Supply Wire Outdoor (Noxmm²)		3x2.5	3x2.5	3x4	
Fuses (A)		1x16	1x16	1x32	
Power Supply Wire Indoor (Noxmm²)		3x1.5	3x1.5	3x1.5	
Signal Wires (mm²)		3x0.5	3x0.5*	3x0.5*	
Dimensions WxHxD (mm)	Panel	647x647x50	950x950x55	950x950x55	
	Indoor Unit	570x570x260	840x840x245	840x840x245	
	Outdoor Unit	845x320x700	900x315x860	990x345x965	
Net Weight Panel/Indoor / Outdoor (kg)		2.5 / 18 / 46	5 / 24 / 59	5 / 26.5 / 73	
Liquid line / Gas line		1/4" / 1/2"	3/8" / 5/8"	3/8" / 5/8"	
Refrigerant		R410A/1.800g	R410A / 2.200g	R410A / 2.750g	
Operation Temperature Range Cooling/Heating (°C)		-15-50 / -15-24	-15-50 / -15-24	-15-50 / -15-24	

MODEL		V2MCI-50/U2MRT-50	V2MCI-60/U2MRT-60	IMCI-50/UMLT-50
				ON/OFF
Cooling Capacity (Btu/h)		43.000 (16.770-51.600)	51.000 (19.890-61.710)	46.600
Heating Capacity (Btu/h)		44.000 (17.160-52.800)	62.000 (22.320-73.780)	49.500
Voltage / Frequency / Phase (V/Hz/Ph)		380/50/3	380/50/3	380/50/3
Rated Current Cooling(A)		6.67 (1.67-9.41)	8.05 (2.08-11.85)	9.25
Rated Current Heating (A)		6.12 (1.53-8.65)	8.68 (2.22-12.52)	9.34
Power Input Cooling (W)		3.870 (966-5.458)	4.660 (1.282-6.411)	5.360
Power Input Heating (W)		3.550 (888-5.015)	5.030 (1.283-7.247)	5.410
EER/COP		3.26 / 3.63	3.21 / 3.61	2.55 / 2.68
Energy Class		A / A	A / A	E / E
Air flow (m³/h)		2.100	2.300	1.545
Noise level Indoor unit/Outdoor Unit (dB(A))		53 / 63	54.5 / 64	51 / 63
Power Supply Wire Outdoor (Noxmm²)		5x2.5	5x2.5	5x2.5
Fuses (A)		3x20	3x20	3x20
Power Supply Wire Indoor (Noxmm²)		3x1.5	3x1.5	3x1.5
Signal Wires (mm²)		3x0.5	3x0.5*	3x0.5*
Dimensions WxHxD (mm)	Panel	950x950x55	950x950x55	950x950x55
	Indoor unit	840x840x287	840x840x287	840x840x300
	Outdoor unit	938x392x1.369	938x392x1.369	900x350x1.170
Net Weight Panel / Indoor / Outdoor (kg)		5 / 29 / 102	5 / 31 / 107	5 / 28.6 / 96
Liquid line / Gas line		3/8" / 5/8"	3/8" / 5/8"	3/8" / 3/4"
Refrigerant		R410A / 3.800g	R410A / 4.600g	R410A / 3.250g
Operation Temperature Range Cooling / Heating (°C)		-15-50 / -15-24	-15-50 / -15-24	18-43 / -7-24



V2MCRI, V2MCI

A++ Energy Class Eco Design units

ALL DC INVERTER Advanced Technology.

DC INVERTER compressor and indoor / outdoor fan motors for excellent efficiency in extreme weather conditions and maximum energy savings

1 Watt Standby

Power consumption less than 1 Watt in standby mode saving energy up to 80%

360° Air Outlet

Creates a soft and gentle air-flow which circulates throughout the room and provides an even temperature

Excellent Operation in extreme weather conditions without efficiency loss. Cooling -15°C-50°C / Heating -15°C-30°C

Cooling Mode in low ambient temperatures, -15°C-50°C

Wide Operation Range

With up to 25 stages (F1-F25) compressor frequency. The frequency range is increased as much as 70%, allowing the system to run smoothly. It also provides accurate control for a comfortable environment and great energy saving

5 Steps Outdoor Fan Speed

The outdoor DC fan motor speed increased from 2 steps to 5, delivering significantly higher efficiency

IMCI

SANYO scroll Compressor

Complete protection with high and low pressure switch, phase protector and overload protector

V2MCRI, V2MCI, IMCI

External Air Duct Outlet
Flexible air supply due to air outlet slots

Fresh Air Intake

For a clean and healthy environment

Built-in Drain Pump

The drain pump can lift the condensing water up to 750mm

Overflow Pump Indicator

ON-OFF Switch

With the reserved ports, a remote switch can be easily connected to realize remote control

Ability to connect with BMS

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

Auto Restart

Saves the last settings in case of power failure

LCD Remote Controller

Hot Start Operation

The indoor coil sensor controls the indoor fan and prevents cold air from entering the room during start up in heating mode

Touch Screen Wired Controller (Optional)

Wired Controller (Optional)

Centralized Control Manager (Optional)



The centralized controller is a multi functional device that can control up to 64 indoor units

V2MCRI, V2MCI



IMCI



MODEL		V2MKI-24 / U2MRS-24	V2MKI-36 / U2MRS-36
			
Cooling Capacity (Btu/h)		24.000 (7.920-29.040)	36.000 (11.880-43.560)
Heating Capacity (Btu/h)		26.000 (8.060-32.240)	40.000 (12.400-49.600)
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	7.3
		Energy Class	A++
		SEER	6.6
	Heating (Middle Zone)	Pdesign (kW)	8.0
		Energy Class	A
		SCOP	3.8
Annual Power Consumption (kWh/year)		387	634
Annual Power Consumption (kWh/year)		2.947	3.868
Voltage / Frequency / Phase (V/Hz/Ph)		230/50/1	230/50/1
Current Input Cooling (A)		10.02 (2.38-13.45)	15.06 (3.56-20.11)
Current Input Heating (A)		9.38 (2.23-12.57)	14.87 (3.52-19.88)
Power Input Cooling (W)		2.190 (547-3.093)	3.290 (819-4.626)
Power Input Heating (W)		2.050 (512-2.890)	3.250 (810-4.572)
Air Flow Volume (m³/h)		1.400	2.200
Noise Level Indoor unit / Outdoor unit (dB(A))		55 / 60	54 / 65
Sound Power Level Indoor unit / Outdoor unit (dB(A))		63 / 69	65 / 70
Power Supply Wire Outdoor (Noxmm²)		3x2.5	3x4
Fuses (A)		1x16	1x32
Power Supply Wire Indoor (Noxmm²)		3x1.5	3x1.5
Signal Wires (mm²)		3x0.5	3x0.5*
Dimensions WxHxD (mm)	Indoor Unit	1.068x235x675	1.650x235x675
	Outdoor Unit	900x315x860	990x345x965
Net Weight Indoor / Outdoor (kg)		25 / 59	40 / 73
Liquid line / Gas line		3/8" / 5/8"	3/8" / 5/8"
Refrigerant		R410A / 2.200g	R410A / 2.750g
Operation Temperature Range Cooling/Heating (°C)		-15-50 / -15-24	-15-50 / -15-24

* Stranded wire



V2MKI



A++ Energy Class Eco Design units

ALL DC INVERTER
advanced technology, DC INVERTER compressor and indoor / outdoor fan motors for excellent efficiency in extreme weather conditions and maximum energy savings

1 Watt Standby
Power consumption less than 1 Watt in standby mode saving energy up to 80%

Hot Start Operation
The indoor coil sensor controls the indoor fan and prevents cold air from entering the room during start up in heating mode

Excellent Operation in extreme weather conditions without efficiency loss. Cooling -15°C-50°C / Heating -15°C-30°C

Cooling Mode in low ambient temperatures, -15°C-50°C

Wide Operation Range

With up to 25 stages (F1-F25) compressor frequency. The frequency range is increased as much as 70%, allowing the system to run smoothly. It also provides accurate control for a comfortable environment and great energy saving

5 Steps Outdoor Fan Speed
The outdoor DC fan motor speed increased from 2 steps to 5, delivering significantly higher efficiency

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

Auto Restart
Saves the last settings in case of power failure

Fresh Air Intake
For a clean and healthy environment

Ability to connect with BMS

ON-OFF Switch
With the reserved ports, a remote switch can be easily connected to realize remote control

Touch Screen Wired Controller (Optional)

Wired Controller (Optional)






Centralized Control Manager (Optional)
The centralized controller is a multi-functional device that can control up to 64 indoor units




LCD Remote Controller

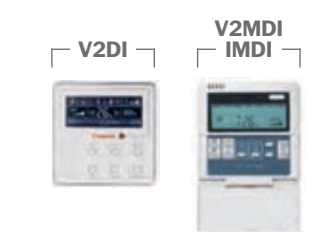
2 Ways Draining Connection
The drainage hose can be connected in both left and right side of the indoor unit for easy installation

FEATURES



MODEL		V2MDI-12/U2MRS-12	V2MDI-18/U2MRS-18	V2MDI-24/U2MRS-24	V2DI-24/U2RS-24	V2MDI-36/U2MRS-36	
							
Cooling Capacity (Btu/h)		12,000 (3,720-14,640)	18,000 (5,580-21,960)	24,000 (7,440-29,280)	23,884	36,000 (11,160-43,920)	
Heating Capacity (Btu/h)		12,000 (3,840-14,760)	18,000 (5,760-22,140)	26,000 (8,320-31,980)	27,296	40,000 (12,800-49,200)	
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	3.5	5.3	7.2	7.0	10.5
		Energy Class	A	A++	A++	A	A
		SEER	5.3	6.4	6.7	5.1	5.4
	Heating (Middle Zone)	Annual Power Consumption (kWh/year)	231	290	376	480	681
		Pdesign (kW)	3.5	5.3	8.0	7.0	10.5
		Energy Class	A	A	A	A	A
		SCOP	3.8	3.8	3.8	3.8	
		Annual Power Consumption (kWh/year)	1,289	1,953	2,947	2,579	3,868
Voltage / Frequency / Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1	230/50/1	230/50/1	
Current Input Cooling (A)		5.03	7.51 (1.46-9.64)	10.02 (2.38-13.45)	17.50	15.06 (3.56-20.11)	
Current Input Heating (A)		4.44	6.68 (1.51-8.50)	9.66 (2.24-12.64)	18.40	14.87 (3.43-19.40)	
Power Input Cooling (W)		1.100	1.640 (336-2.217)	2.190 (548-3.094)	3.80	3.290 (819-4.626)	
Power Input Heating (W)		970	1,460 (346-1.955)	2,110 (515-2.908)	4.00	3,250 (790-4.461)	
Air Flow Volume (m³/h)		800	1,400	1,700	1,400	2,270	
External Static Pressure (Pa)		40	70	70	75	80	
Noise Level Indoor unit / Outdoor unit (dB(A))		41 / 58	46 / 60	46/60	46 / 57	43 / 65	
Sound Power Level Indoor unit / Outdoor unit (dB(A))		57 / 61	59 / 65	63 / 69	64 / 65	63 / 70	
Power Supply Wire Outdoor (Noxmm²)		3x2.5	3x2.5	3x2.5	3x2.5	3x4	
Fuses (A)		1x16	1x16	1x16	1x16	1x32	
Power Supply Wire Indoor (Noxmm²)		3x1.5	3x1.5	3x1.5	3x1.5	3x1.5	
Signal Wires (mm²)		3x0.5	3x0.5*	3x0.5*	2x1*	3x0.5*	
Dimensions WxHxD (mm)		700x635x210	920x635x270	920x635x270	1,279x558x268	1,200x865x300	
		Indoor Unit	Indoor Unit	Indoor Unit	Indoor Unit	Indoor Unit	
		760x285x590	845x320x700	900x315x860	980x427x790	990x345x965	
		Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit	
Net Weight Indoor / Outdoor (kg)		18 / 35.5	28 / 46	28 / 59	34.0 / 67	44 / 73	
Liquid line / Gas line		1/4" / 3/8"	1/4" / 1/2"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	
Refrigerant		R410A / 1.100	R410A / 1.800	R410A / 2.200	-	R410A / 2.750	
Operation Temperature Range Cooling/Heating (°C)		-15-50 / -15-24	-15-50 / -15-24	-15-50 / -15-24	-15-48 / -10-24	-15-50 / -15-24	

MODEL		V2MDI-50/U2MRT-50	V2MDI-60/U2MRT-60	V2DI-60/U2RT-60	IMDI-60/UMLT-60
					ON/OFF
Cooling Capacity (Btu/h)		48,000 (19,680-57,120)	55,000 (22,550-65,450)	54,592	55,000
Heating Capacity (Btu/h)		50,000 (20,500-59,500)	61,400 (25,174-73,066)	56,298	60,000
Voltage / Frequency / Phase (V/Hz/Ph)		380/50/3	380/50/3	380/50/3	380/50/3
Rated Current Cooling(A)		7.6(1.90-10.74)	8.65 (2.17-12.44)	13.20	11.31
Rated Current Heating (A)		6.6(1.65-9.31)	8.58 (2.15-12.14)	12.80	7.9
Power Input Cooling (W)		4,380 (1,096-6,187)	5,010 (1,320-7,253)	7,40	6,550
Power Input Heating (W)		3,850 (962-5,430)	4,970 (1,255-7,087)	7,20	5,460
EER/COP SEER/SCOP**		3.21 / 3.81	3.22 / 3.62	5.1 / 3.8**	2.46 / 3.22
Energy Class		A/A	A/A	A/A	E/C
Air flow (m³/h)		3,010	2,800	3,000	3,150
External Static Pressure (Pa)		100	100	150	100
Noise level Indoor unit/Outdoor Unit (dB(A))		37 / 63	37 / 64	49 / 63	38 / 63
Power Supply Wire Outdoor (Noxmm²)		5x2.5	5x2.5	5x4	5x2.5
Fuses (A)		3x20	3x20	3x25	3x20
Power Supply Wire Indoor (Noxmm²)		3x1.5	3x1.5	3x1.5	3x1.5
Signal Wires (mm²)		3x0.5	3x0.5*	2x1*	3x1*
Dimensions WxHxD (mm)		1,200x865x300	1,200x865x300	1,340x750x350	1,200x865x300
		Indoor unit	Indoor unit	Indoor unit	Indoor unit
		938x392x1,369	938x392x1,369	1,085x427x1,365	900x350x1,170
		Outdoor unit	Outdoor unit	Outdoor unit	Outdoor unit
Net Weight Indoor / Outdoor (kg)		44 / 102	45 / 107	57 / 126	47 / 97
Liquid line / Gas line		3/8" / 5/8"	3/8" / 5/8"	3/8" / 3/4"	3/8" / 3/4"
Refrigerant		R410A / 3.800g	R410A / 4.600g	R410A / 5.000g	R410A / 3,200g
Operation Temperature Range Cooling / Heating (°C)		-15-50 / -15-24	-15-50 / -15-24	-15-48 / -10-24	18-43 / -7-24



V2MDI, V2DI
A++ Energy Class Eco Design units

ALL DC INVERTER advanced technology. DC INVERTER compressor and indoor / outdoor fan motors for excellent efficiency in extreme weather conditions

1 Watt Standby
Power consumption less than 1 Watt in standby mode saving energy up to 80%

Hot Start Operation
The indoor coil sensor controls the indoor fan and prevents cold air from entering the room during start up in heating mode

Excellent Operation in extreme weather conditions without efficiency loss. Cooling -15°C-50°C / Heating -15°C-30°C

Cooling Mode in low ambient temperatures, -15°C-50°C

New Design
Plastic Fans for lower noise and vibrations (V2DI)
Wide Operation Range

With up to 25 stages (F1-F25) compressor frequency. The frequency range is increased as much as 70%, allowing the system to run smoothly. It also provides accurate control for a comfortable environment and great energy saving and maximum energy savings

5 Steps Outdoor Fan Speed
The outdoor DC fan motor speed increased from 2 steps to 5, delivering significantly higher efficiency

V2MDI, IMDI
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

Auto Restart
Saves the last settings in case of power failure

Return Air Intake
Flexible air intake from the back or the bottom part of the unit

Fresh Air Intake
For a clean and healthy environment

Built-in Drain Pump
The drain pump can lift the condensing water up to 750mm

Overflow Pump Indicator

The drainage hose can be connected in both left and right side of the indoor unit for easy installation

Fresh Air adjustment from the controller (Optional)

Ability to connect with BMS

ON-OFF Switch
With the reserved ports, a remote switch can be easily connected to realize remote control

Centralized Control Manager (Optional)
The centralized controller is a multi-functional device that can control up to 64 indoor units

Remote Controller (Optional)

FEATURES



* Stranded wire

Ducted Units

H3TB-120

Quiet operation
Low power consumption
Digital wired control using touch pad and LCD display
Wireless remote controller
Centralized control, up to 16 modules (optional)

High static pressure and high air flow
Belt driven indoor fan
Danfoss scroll compressor
Auto restart. After power failure the unit restarts in the conditions that the user has selected
Auto error diagnosis

B6BX/T4BX

Ability of using auxiliary resistances from 5 up to 15 KW (optional)
Ability of using water coil (B6BX, optional)
Multi positioned horizontal, vertical, up flow, down flow
Liquid line filter drier

Heavy gauge galvanized steel with corrosion resistant electrostatic paint
Adjustable time defrost operation
Scroll Copeland compressor



MODEL	B6BX60 / T4BX60	H3TBI-120 / H3TBO-120
Cooling Capacity (Btu/h)	57.000	110.000
Heating Capacity (Btu/h)	57.000	120.000
Voltage / Frequency / Phase (V/Hz/Ph)	380 / 50 / 3	380 / 50 / 3
Rated Current Cooling/Heating(A)	11.7	27/23
Power Input Cooling (W)	6.000	11.000
Power Input Heating (W)	4.900	9.000
EER/COP	2.78/3.41	2.93/3.91
Energy Class	D/D	C/A
Number of Fans (Indoor Unit)	1	2
Air flow (m³/h)	3.398	5.500
External Static Pressure (Pa)	100	120
Speeds	3	belt-driven
*Noise level Indoor unit/Outdoor Unit (dB(A))	50/65	57/67
Number of Compressors / Fans	1/1	1/1
**Power Supply Wire Outdoor (Noxmm²)	5x4	5x6
Fuses (A)	3x25	3x35
**Power Supply Wire Indoor (Noxmm²)	3x1.5	5x2.5
Fuses (A)	1x10	3x16
Signal Wires (mm²)	6x1.5	2x1
Dimensions WxHxD (mm)	Indoor unit: 1.422x572x559 Outdoor unit: 686x781x781	500x1.500x1.000 2.000x1.162x980
Net Weight Indoor / Outdoor (kg)	66/91	170/250
Liquid line / Gas line	3/8" / 7/8"	1/2" / 1-1/8"
Refrigerant	R410A / 3.266g	R410A / 9.500g

*The noise level of the indoor unit refers to the low fan speed
** 15m wire length *** Standed wire



Air Cooled Heat Pumps & Domestic Hot Water Production Systems

...the most energy efficient cooling and heating systems!

Greater energy savings

Heat pumps are the "green solution" in heating, cooling and hot water production. With Energy Class A and a DC Inverter compressor, the units can save up to 80% in energy consumption. This is the only system that has a COP measure over 4 and is classified as a renewable energy resource!

Latest Technology

The Vario heat pump with an advanced DC Inverter compressor, indoor and outdoor fan motors, offers high efficiency even in extreme weather conditions, stable room temperature and low noise levels.

Low Installation and Maintenance Cost

With a simple - low cost installation procedure, without serious interventions in the house. It can operate along with the existing indoor heating system (radiators, fan coils, under-floor). The maintenance cost is extremely low.

Environment Friendly

The usage of R410A refrigerant, which is environment friendly, as well as the low energy consumption that results in low CO2 emission makes Vario Heat Pump System, the most ecological solution.

Alternative Uses

The Vario heat pumps apart from the heating in winter they offer cooling during summer and domestic hot water, all in one system. They can also be connected with solar panels or boiler for even higher economy and independence

Save 80%
in Energy
Consumption

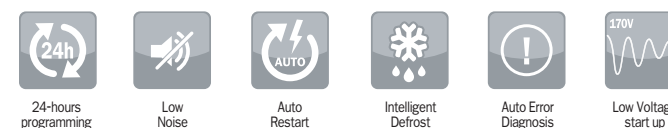


MODEL	DHW-CQ8.0Pd/Na-K	DHW-CQ10Pd/Na-K	DHW-CQ12Pd/Na-K	DHW-CQ14Pd/Na-M	DHW-CQ16Pd/Na-M
Cooling Capacity Underfloor (Btu/h)	8.5	10.0	12.0	14.0	15.5
Heating Capacity Underfloor (Btu/h)	9.0	10.5	14.0	15.0	15.5
EER / COP (Underfloor)	3.60/4.00	3.35/4.00	3.80/4.30	3.5/4.20	3.50/4.0
Cooling Capacity FCU or Radiator (Btu/h)	8.0	9.0	11.5	12.0	14.0
Heating Capacity FCU or Radiator (Btu/h)	6.5	8.0	10.0	10.5	11.0
EER / COP (FCU or Radiator)	2.60/3.00	2.60/3.10	2.90/3.40	2.80/3.35	2.70/3.20
Voltage / Frequency / Phase (V/Hz/Ph)	230/50/1	230/50/1	230/50/1	380/50/3	380/50/3

WATER TANK	T200LCJ/A-K	T300LCJ/A-K	T200LCJ2/A-K	T300LCJ2/A-K
Volume (L)	200	300	200	300
Voltage / Frequency / Phase (V/Hz/Ph)	230/50/1	230/50/1	230/50/1	230/50/1
Auxiliary Electrical heater Power Input (W)	3.000	3.000	3.000	3.000



FEATURES





inventor the Full Range Supplier of
Air Conditioners and Air Conditioning Solutions

2014 CATALOGUE

Residential A/C Systems

**Compact Size,
Great Performance!**

A++, ALL DC Inverter, units for maximum
Efficiency in heating and cooling



VRF Systems

The Most Efficient!

Air Conditioning Systems

Chillers & Fan Coil Units

For Commercial High Scale

Installations



Visit our website and enjoy the Inventor Experience
www.inventorairconditioner.com

NOTES: Technical data may alter without prior notice. Please contact your dealer

Cooling and Heating capacities refer to the following conditions

COOLING: $\frac{\text{Room temperature: } 27^{\circ}\text{C DB}/19^{\circ}\text{C WB}}{\text{Outdoor temperature: } 35^{\circ}\text{C DB}/24^{\circ}\text{C WB}}$ HEATING: $\frac{\text{Room temperature: } 20^{\circ}\text{C DB}/15^{\circ}\text{C WB}}{\text{Outdoor temperature: } 7^{\circ}\text{C DB}/6^{\circ}\text{C WB}}$

inventor Company is not responsible for any misprinted data