



Light Commercial A/C Units

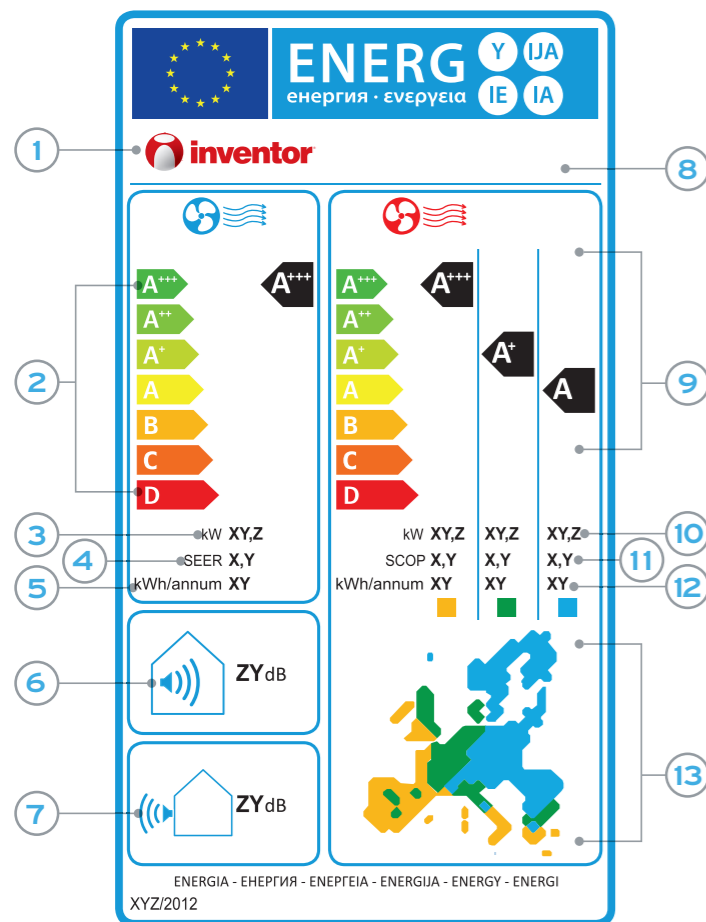


Eco Design

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 in cooling mode, A+++ the most efficient
- Design Load Cooling (kW)
- 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*
- Design Load Heating (kW)*
- 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 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

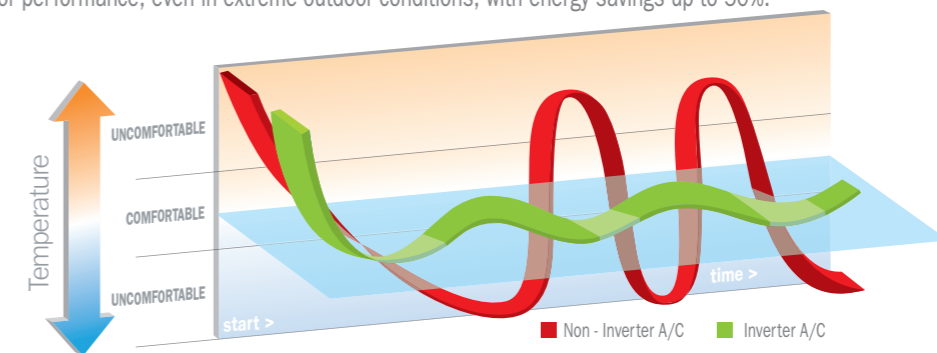
* Only average climate zone data are obligatory to be written



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>Low 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>
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2013 CATALOGUE

- **Eco design units** with A/A energy class
- **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
- Start up with **low power consumption** for energy savings
- **DC INVERTER** indoor fan of **7 speeds**
- Operation at low outdoor temperatures **without efficiency loss**
- Even **more stable indoor temperature** due to the constant frequency alternations of the compressor in accordance to the needs
- Adapted efficiency with **constant control of the indoor temperature** for higher comfort
- Accurate calculation of the outdoor temperature with environment temperature sensors in both indoor and outdoor units

- **1 watt stand by**- Power consumption less than 1watt in stand b mode **saving energy up to 80%**
- **Wide range of operating voltage** for stable operation (198-264v, 342-456v)
- **High technology PFC** for higher efficiency and unit protection
- **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"
- **Cooling operation** at low outdoor temperature (up to **-15 °C**)
- Automatic operation (**Auto Mode**) for ideal indoor conditions
- **Reminder indication** for cleaning the air filters
- Three selections of night operation (**SLEEP**) that can be set by the user

- Ability of connecting 2 wired controllers at the same unit for **flexible operation**
- **Auto restart**. Saves the last settings in case of power failure
- Dehumidifying function **ULTRA DRY**
- Auto error diagnosis with **history recording**
- Ability of **defrosting from the controller**
- Ability of communication through **modbus protocol**
- Upgraded central controller with **full controlling up to 16 units** (optional)
- Ability of **remote controlling through PC** (optional)
- Controller with ability of **weekly programming** (optional)
- Ability of connection with **key card** (optional)

Eco Design, All DC Inverter,
Light Commercial units Energy Class A / A
for even greater energy savings
and better control of the indoor temperature

U-MATCH



4-WAY CASSETTE UNITS

- New panel design
- Easy removable panel
- Auto swing louver (Auto Louver)
- Condensate pump with .100mm manometric
- Overflow pump indicator
- Wireless remote control with children lock
- LCD wired control (optional)

FLOOR CEILING UNITS

- Modern design
- Auto swing louver (Auto Louver)
- Wireless remote control with children lock
- LCD wired control (optional)

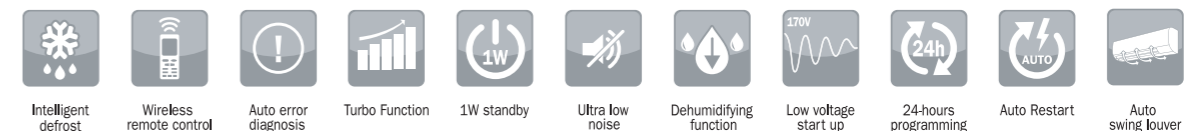
DUCTED SPLIT SYSTEMS

- Ability of selecting the room temperature from the air intake or from the controller
- Condensate drainpipe in right or left side
- Wireless remote control with children lock
- Fresh air valve can be defined from the wired controller

Discover the New Generation!

MODEL		V2KI-24 / U2RS-24	V2CI-24 / U2RS-24	V2DI-24 / U2RS-24
Cooling Capacity (Btu/h)		23.844 (8.189-27.978)	23.884 (8.189-29.002)	23.884 (7.506-29.002)
Heating Capacity (Btu/h)		27.296 (8.189-30.708)	27.296 (8.189-32.414)	27.296 (8.189-32.414)
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	7.00	7.00
		Energy Class	A	A
		SEER	5.10	5.10
	Heating (Middle Zone)	Pdesign (kW)	7.00	7.20
		Energy Class	A	A
		SCOP	3.8	3.8
Voltage/ Frequency / Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1
Current Input (A) Cooling / Heating (A)		10.10 (3.6 - 11.0)/ 10.20 (3.4 - 12.0)	10.10 (3.6 - 11.0)/ 10.20 (3.4 - 12.0)	10.10 (3.6 - 11.0)/ 10.20 (3.4 - 12.0)
Power Input Cooling / Heating (W)		2.180 (850-2.500)/ 2.210 (800-2.750)	2.180 (850-2.500)/ 2.210 (800-2.750)	2.180 (850-2.500)/ 2.210 (800-2.750)
Air flow (m³/h)		1.200	1.300	1.400
External Static Pressure (Pa)		-	-	100
Noise Level (dB(A))	Indoor Unit High / Low	40 / 48	38 / 46	40 / 47
	Outdoor Unit	57	57	57
Sound Power Level Indoor unit / Outdoor unit (dB(A))		64/65	62/65	62/65
* Power Supply Wire Outdoor. (Noxmm²)		3x2.5	3x2.5	3x2.5
Fuses (A)		1x16	1x16	1x16
* Power Supply Wire Indoor. (Noxmm²)		3x1.5	3x1.5	3x1.5
Signal Wires		2x1	2x1	2x1
Dimensions WxHxD (mm)	Indoor unit	700x1.220x225	240x840x840	268x1.239x558
	Outdoor unit	790x980x427	790x980x427	790x980x427
	Panel	-	60x950x950	-
Net weight Indoor/Outdoor/Panel (kg)		40/67/-	26/67/6.5	34/67/-
Liquid line / Gas line		3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"
Refrigerant		R410A/2.200g	R410A/2.200g	R410A/2.200g

* 15m wire length



Green product life cycle.
Highest Environmental
Performance!




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



Economical
and environment friendly
operation

Floor Ceiling Units

MODEL	I2KI-50 / U2LT-50	V1KI-50 / U1RT-50
		
Cooling Capacity (Btu/h)	45.040	17.000-48.620
Heating Capacity (Btu/h)	49.470	18.000-62.600
Voltage/ Frequency / Phase (V/Hz/Ph)	380/50/3	380/50/3
Rated Current Cooling / Heating (A)	9.0/8.7	6.8(2.4-7.8)/7(2.1-8)
Power Input Cooling (W)	5.000	4.360 (1.650-5.350)
Power Input Heating (W)	4.800	4.430 (1.450-5.400)
EER (W/W) / COP (W/W)	2.64/3.02	3.35/3.73
Air flow (m ³ /h)	2.100	2.300
Speeds	3	3
* Noise Level Indoor / Outdoor (dB(A))	52/63	52/61
** Power Supply Wire Outdoor (Noxmm ²)	5x2.5	5x2.5
Fuses (A)	3x20	3x20
** Power Supply Wire Indoor (Noxmm ²)	3x1.5	3x2.5
*** Signal Wires	2x1	2x1
Dimensions HxWxD (mm) Indoor	695x1.590x238	700x1.700x245
Dimensions HxWxD (mm) Outdoor	1.250x1.032x412	1.365x1.085x427
Net Weight Indoor / Outdoor (kg)	48/112	64/122
Liquid / Gas line	1/2" / 3/4"	3/8" / 5/8"
Refrigerant	R410A/3.800g	R410A/4.300g

I2KI / U2LT

- **DAIKIN Scroll** compressor
- LCD wired and wireless remote control
- Auto swing louver (**Auto Louver**)
- Operation with **energy saving function**
- Automatic operation (**Auto Mode**) for ideal indoor conditions
- Ability of **selecting the room temperature** from the air intake or from the controller
- **Auto restart.** After power failure the unit restarts in the conditions that the user has selected

- Night operation (**SLEEP**)
- Outdoor temperature indication
- Defrost indication on the wired controller
- Upgraded central controller with **full controlling up to 16 units** (optional)
- Ability of **remote controlling through PC** (optional)
- **High / low pressure switch**, phase protector and overload protector

V1KI / U1RT








- **Energy class A/A** for ultimate saving in cooling and heating
- **DC INVERTER technology**-Energy saving with high comfortable levels
- **Steady operation** in extreme weather conditions without efficiency loss
- Automatic operation (**Auto Mode**) for ideal indoor conditions
- **Auto restart.** After power failure the unit restarts in the conditions that the user has selected

- LCD wireless controller
- LCD wired controller (optional)
- Auto swing louver (**Auto Louver**)
- **DC INVERTER Scroll Panasonic** compressor
- Upgraded central controller with **full controlling up to 16 units** (optional)
- Controller with ability of **weekly programming** (optional)
- Night operation (**SLEEP**)

I2KI, V1KI



U-MATCH

-  Wireless remote control
-  Dehumidifying function
-  24-hours programming
-  Ultra low noise
-  Auto Restart
-  Intelligent defrost
-  Auto error diagnosis

I2CI, VCI



IMCI, V1MCI



I2CI/U2LT, IMCI-50/UMLT-50

- **DAIKIN Scroll** compressor (U2LT)
- **SANYO scroll** compressor (UMLT)
- LCD wireless and wired controller (I2CI)
- Wireless remote control **with children lock** (IMCI)
- Auto swing louver (**Auto Louver**)
- Operation with **energy saving function**
- Automatic operation (**Auto Mode**) for ideal indoor conditions
- Ability of **selecting the room temperature** from the air intake or from the controller (I2CI)
- **Auto restart.** After power failure the unit restarts in the conditions that the user has selected




- Night operation **SLEEP / ECO**
- Outdoor temperature indication (I2CI)
- Defrost indication on the wired controller (I2CI)
- Upgraded central controller with **full controlling up to 16 units** (optional I2CI)
- Controller with ability of **weekly programming** (optional, I2CI)
- Ability of **taking in the fresh air**
- **Overflow pump** indicator
- **High / low pressure switch**, phase protector and overload protector

VCI/URT, V1MCI/U1MRT

- **Energy class A/A** for ultimate saving in cooling and heating (V1MCI/U1MRT)
- **DC INVERTER technology**
- **Steady operation** in extreme weather conditions without efficiency loss
- Automatic operation (**Auto Mode**) for ideal indoor conditions
- **Auto restart.** After power failure the unit restarts in the conditions that the user has selected
- LCD wireless controller
- LCD wired controller (VCI)

- Auto swing louver (**Auto Louver**)
- **DC INVERTER Scroll** compressor (URT)
- **DC INVERTER Twin-Rotary Mitsubishi** compressor (U1MRT)
- Upgraded central controller with **full controlling up to 16 units** (optional, VCI)
- Controller with ability of **weekly programming** (optional, VCI)
- Night operation **SLEEP / ECO**
- Ability of **taking in the fresh air**
- **Overflow pump** indicator

4 Way Cassete Units

MODEL	I2CI-50 / U2LT-50	IMCI-50 / UMLT-50	VCI-50 / URT-50	V1MCI-50 / U1MRT-50	V1MCI-60 / U1MRT-60
					
Cooling Capacity (Btu/h)	45.040	46.600	18.766-48.000	19.200-52.800	22.160-60.520
Heating Capacity (Btu/h)	49.470	51.000	17.060-56.000	20.410-56.140	23.250-63.820
Voltage/ Frequency / Phase (V/Hz/Ph)	380/50/3	380/50/3	380/50/3	380/50/3	380/50/3
Rated Current Cooling / Heating (A)	8.7/9.5	9.25/9.63	10.6/9.9	7.6 (2.17-9.82)/7.17 (2.05-9.28)	8.56 (2.44-11.55)/8.15(2.33-10.55)
Power Input Cooling (W)	4.800	5.360	5.700	4.380 (1.256-5.689)	4.960 (1.417-6.418)
Power Input Heating (W)	5.200	5.580	4.600	4.140 (1.186-5.373)	4.720 (1.349-6.110)
EER (W/W) / COP (W/W)	2.75 / 2.79	2.55/2.68	2.47/3.57	3.2/3.6	3.25 / 3.60
Air flow (m ³ /h)	1.660	1.545	2.000	1.545	1.800
Speeds	3	3	3	3	3
* Noise Level Indoor / Outdoor (dB(A))	48/63	43/63	48/63	41/63	43/63
** Power Supply Wire Outdoor (Noxmm ²)	5x2.5	5x2.5	5x2.5	5x2.5	5x2.5
Fuses (A)	3x20	3x20	3x20	3x20	3x20
** Power Supply Wire Indoor (Noxmm ²)	3x 1.5 / 1x16	3x1.5	3x2.5 / 1x16	3x1.5	3x1.5
*** Signal Wires	2x1	3x0.5	2x1	3x0.5	3x0.5
Dimensions HxWxD (mm)	Panel	60x950x950	55x950x950	60x950x950	55x950x950
	Indoor Unit	320x840x840	300x840x840	320x840x840	300x840x840
	Outdoor Unit	1.250x1.032x412	1.167x900x340	1.250x950x412	1.245x940x360
Net Weight Panel /Indoor / Outdoor (kg)	6.5/32/112	5/28.6/94	6.5/38/128	5/31/99	5/32/104
Liquid / Gas line	1/2" / 3/4"	3/8"/3/4"	1/2" / 3/4"	3/8"/5/8"	3/8"/5/8"
Refrigerant	R410A/3.800g	R410A/3.250g	R410A/4.000g	R410A/4.000g	R410A/4.200g

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



2013 CATALOGUE

MODEL	I2DI-50 / U2LT-50	IDI-60 / ULT-60	IMDI-60 / UMLT-60
Cooling Capacity (Btu/h)	45.040	60.000	51.200
Heating Capacity (Btu/h)	49.470	66.000	60.000
Voltage/ Frequency / Phase (V/Hz/Ph)	380/50/3	380/50/3	380/50/3
Rated Current Cooling / Heating (A)	9.2/8.3	11.8/10	8.8/7.9
Power Input Cooling (W)	5.100	61.92	6.090
Power Input Heating (W)	4.600	4.960	5.460
EER (W/W) /COP (W/W)	2.59/3.15	2.84/3.90	2.46/3.22
Air flow (m ³ /h)	2.300	2.500	3.150
External Static Pressure (Pa)	150	150	100
Speeds	3	4	3
* Noise Level Indoor / Outdoor (dB(A))	46/63	48/64	38/63
** Power Supply Wire Outdoor (Noxmm ²)	5x2.5	5x4	5x2.5
Fuses (A)	3x20	3x20	3x20
*** Power Supply Wire Indoor (Noxmm ²)	3x1.5/1x16	3x1.5/1x16	3x1.5/1x16
Signal Wires	2x1	2x1	2x1
Dimensions HxWxD (mm)	Indoor Unit	290x1.226x775	330x1.251x788
	Outdoor Unit	1.250x1.032x412	1.250x950x412
Net Weight /Indoor / Outdoor (kg)	57/112	66/123	47/99
Liquid / Gas line	1/2"/3/4"	1/2"/3/4"	3/8"/3/4"
Refrigerant	R410A/3.800g	R410A/5.000g	R410A/3.200g




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



I2DI/U2LT, IDI/ULT, IMDI/UMLT

- Compact size for easy installation **above fake ceiling**
- **Indoor fan stops** operating during defrost mode
- **DAIKIN Scroll** compressor (U2LT, ULT)
- **SANYO scroll** compressor (UMLT)
- LCD wired controller
- LCD wireless controller (I2DI, IDI)
- Wired controller with **children lock** (IMDI)
- Operation with energy saving function
- Automatic operation (**Auto Mode**) for ideal indoor conditions
- **Ability of selecting the room temperature** from the air intake or from the controller (I2CDI, IDI)
- **Auto restart.** After power failure the unit restarts in the conditions that the user has selected
- Night operation **SLEEP / ECO**
- Outdoor temperature indication (I2DI, IDI)
- Defrost indication on the wired controller (I2DI, IDI)
- Upgraded central controller with **full controlling up to 16 units** (optional I2DI, IDI)
- Controller with ability of **weekly programming** (optional I2DI, IDI)
- **High / low pressure switch**, phase protector and overload protector
- **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
- Condensate **drainpipe in right or left side**
- **Fresh air valve can be defined** from the wired controller (optional)



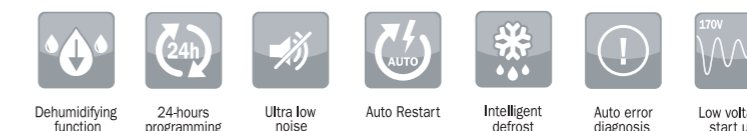
MODEL	V1DI-50 / U1RT-50	V1DI-60 / U1RT-60	V1MDI-60 / U1MRT-60
			
Cooling Capacity (Btu/h)	16.500-48.000	13.600-59.700	22.000-60.500
Heating Capacity (Btu/h)	18.020-62.220	17.000-64.100	23.200-63.800
Voltage/ Frequency / Phase (V/Hz/Ph)	380/50/3	380/50/3	380/50/3
Rated Current Cooling / Heating (A)	6.8 (2.4-7.8)/7 (2.1-8)	13.38/12.63	8.56(2.44-11.08)/7.96(2.27-10.29)
Power Input Cooling (W)	4.360 (1.650-5.350)	5.300	4.960 (1.417-6.418)
Power Input Heating (W)	4.430 (1.450-5.400)	4.991	4.610 (1.316-5.961)
EER (W/W) /COP (W/W)	3.23/3.65	3.21/3.61	3.25/3.69
Air flow (m ³ /h)	2.500/2.300/2.100	3.150/2.900/2.600	3.150
External Static Pressure (Pa)	150	150	100
Speeds	3	3	3
* Noise Level Indoor / Outdoor (dB(A))	46/61	48/63	43/63
** Power Supply Wire Outdoor (Noxmm ²)	5x2.5	5x4	5x2.5
Fuses (A)	3x20	3x25	3x20
*** Power Supply Wire Indoor (Noxmm ²)	3x2.5 / 1x16	3x2.5 / 1x16	3x1.5
Signal Wires	2x1	2x1	3x0.5
Dimensions HxWxD (mm)	Indoor Unit	330x1.226x815	385x1.463x799
	Outdoor Unit	1.365x1.085x427	1.365x1.085x427
Net Weight /Indoor / Outdoor (kg)	64/122	87/127	45.5/104
Liquid / Gas line	3/8" / 5/8"	3/8" / 3/4"	3/8" / 5/8"
Refrigerant	R410A/4.300g	R410A/5.500g	R410A/4.200g

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



V1DI/U1RT, V1MDI/U1MRT

- **Energy class A/A** for ultimate saving in cooling and heating
- **DC INVERTER** technology-Energy saving with high comfortable levels
- **Steady operation** in extreme weather conditions without efficiency loss
- Automatic operation (**Auto Mode**) for ideal indoor conditions
- Compact size for easy installation above fake ceiling
- Indoor fan stops operating during defrost mode
- LCD wired controller
- LCD wireless controller (V1DI)
- Wired controller with **children lock** (V1MDI)
- Operation with **energy saving function**
- Automatic operation (**Auto Mode**) for ideal indoor conditions
- **Ability of selecting the room temperature** from the air intake or from the controller (V1DI)
- **Auto restart.** After power failure the unit restarts in the conditions that the user has selected
- Night operation **SLEEP / ECO**
- **Outdoor temperature indication** (V1DI)
- **Defrost indication** on the wired controller (V1DI)
- Upgraded central controller with **full controlling up to 16 units** (optional V1DI)
- Controller with ability of **weekly programming** (optional V1DI)
- **High / low pressure switch**, phase protector and overload protector
- **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
- Condensate **drainpipe in right or left side**
- **Fresh air valve can be defined** from the wired controller (optional)
- **DC INVERTER Twin-Rotary Mitsubishi** compressor (U1MRT)
- **DC INVERTER Scroll Panasonic** compressor (U1RT)



Ducted Split Systems

H3TB-100,120

- 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-100 / H3TBO-100	H3TBI-120 / H3TBO-120
Cooling Capacity (Btu/h)	57.000	83.594	110.000
Heating Capacity (Btu/h)	57.000	93.830	120.000
Voltage/ Frequency / Phase (V/Hz/Ph)	380 / 50 / 3	380 / 50 / 3	380 / 50 / 3
Rated Current Cooling / Heating (A)	11.7	19.2 / 17.7	27/23
Power Input Cooling (W)	6.000	9.800	11.000
Power Input Heating (W)	4.900	9.000	9.000
EER (W/W) / COP (W/W)	2.78/3.41	2.5/3.06	2.93/3.91
Number of fans (Indoor)	1	1	2
Air flow (m ³ /h)	3.398	4.800	5.500
External Static pressure (Pa)	100	110 (30 - 250)	120
Speeds	3	belt driven	belt driven
* Noise Level Indoor / Outdoor (dB(A))	50/65	54/66	57/67
Number of Compressors / Fans	1/1	1/2	1/1
** Power Supply Wire Outdoor (Noxmm ²)	5x4	5x6	5x6
Fuses (A)	3x25	3x32	3x35
** Power Supply Wire Indoor (Noxmm ²)	3x1.5	5x2.5	5x2.5
Fuses (A)	1x10	3x16	3x16
Signal Wires	6x1.5	2x1***	2x1***
Dimensions HxWxD (mm)	Indoor Unit	1.422x572x559	500x1.000x1.500
	Outdoor Unit	686x781x781	1.600x360x1.150
Net Weight /Indoor / Outdoor (kg)	66/91	150 / 185	170/250
Liquid / Gas line	3/8" / 7/8"	3/8" / 1"	1/2" / 1-1/8"
Refrigerant	R410A / 3.266g	R410A / 6.700g	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!

Find the complete Vario Series



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. They are the only system that has a COP measure over 4 and are 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.

Environmental Friendly

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

Alternative Uses

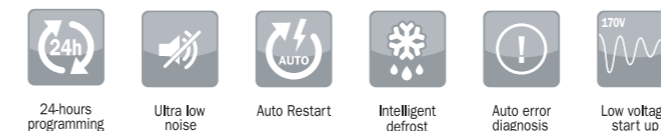
The Vario heat pumps apart from the heating in winter they offer cooling during summer and domestic hot water, all in one system. They can also be connected with solar panels or boiler for even higher economy and independence

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
Heating Capacity Underfloor	8.5	10.0	12.0	14.0	15.5
Cooling Capacity Underfloor	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
Heating Capacity FCU or Radiator	8.0	9.0	11.5	12.0	14.0
Cooling Capacity FCU	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	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	3.000	3.000	3.000	3.000





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

Cooling and Heating capacities refer to the following conditions:

COOLING: Room temperature: 27°C DB/19°C WB
Outdoor temperature: 35°C DB/24°C WB

HEATING: Room temperature: 20°C DB/15°C WB
Outdoor temperature: 7°C DB/6°C WB

inventor company is not responsible for any misprinted data.