

Your *natural* conditions




AIR CONDITIONING / TECHNICAL CATALOGUE


2009


Your conditions!



Since 1916,  **Inventor** pioneers in the US market, by designing and manufacturing innovative air conditioning and heat pump units.

The company's primary competitive advantage is the use of its know-how expertise gained in the past, to build air conditioning systems of the future.

The key to  **Inventor** units' success is that they are specifically designed to enable the modern individual invent his own custom made living and working conditions.

Regulating effectively the natural environment,  **Inventor** units can create silently the perfect indoor conditions; your conditions!

The manufacturing technology used in the production of **inventor** heat pump and air conditioning units ensures their reliable operation according to the highest energy-class standards, achieving maximum performance with minimum consumption rates, respecting the environment.



All **inventor** units carry
a 5-year Warranty for the compressor
and for all parts of the unit.

inventor units can be found all across Europe in a continuously growing
selected network of air conditioning professionals!

Their excellent quality and operational efficiency has been awarded by the European Union
with the highest standard certificates.

Furthermore, the use of the environmental friendly refrigerants (freon) do not contribute
to the increase of the global warming environment.

Listed by applied research laboratories



We recommend Heating & Cooling Equipment with the ENERGY STAR® Logo the Symbol for Energy Efficiency.

NEW TECHNOLOGIES

ADVANCED DC INVERTER TECHNOLOGY

- By choosing a DC Inverter air conditioning unit you succeed low energy consumption up to 44% compared to conventional technology.
- In addition, a DC Inverter air conditioning unit approaches and maintains the desired temperature faster, while the operation of the unit is extremely quiet.



ENERGY CLASS A

- According to the European Union, all electrical appliances are classified from class A to class G in respect of their performance and energy consumption. Consequently seven energy classes are created (from A to G) where A is the most efficient while G is the less one.
- By choosing an Energy Class A unit you succeed the highest performance with the least energy consumption.



ENVIRONMENTAL FRIENDLY REFRIGERANTS

- **Inventor** units use environmental friendly refrigerants (Freon) R410A and R407C, thus they do not contribute to the increase of the global warming phenomenon and at the same time they protect the environment.



AUTO CLEAN FUNCTION*

- Auto Clean Function does not allow mold and bad smells to grow in the indoor unit, while operating in cooling mode.
- When we turn off the unit, the indoor fan continues its operation in low speed. In this way it dries the inner parts of the unit and it does not allow any pollution area to be created.
- This function is activated from the controller.

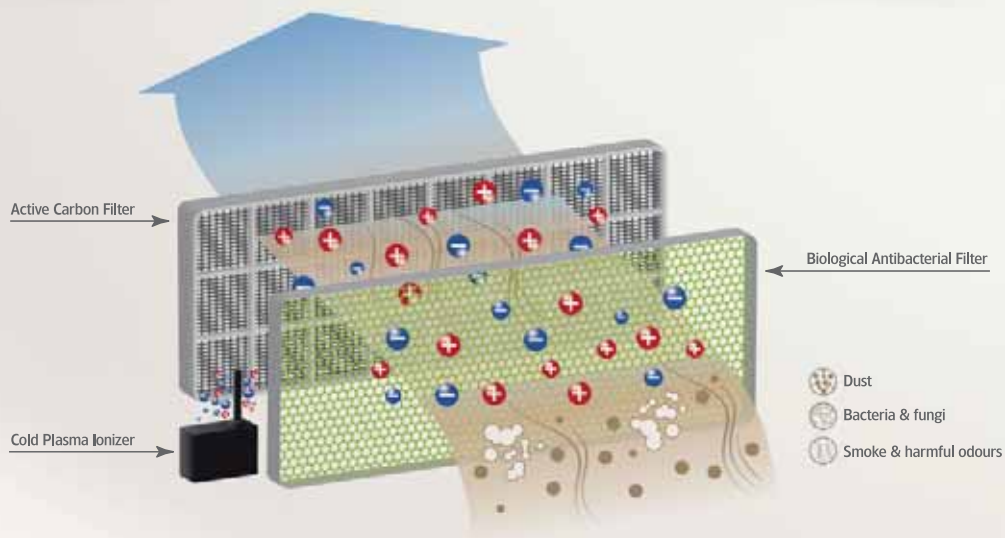
TURBO FUNCTION*

- Turbo Function achieves the desired temperature at minimum time with low energy consumption.



COLD PLASMA IONIZER *

- COLD PLASMA technology is currently one of the most advanced air-cleaning technologies in the world.
- COLD PLASMA Ionizer releases positive and negative ions in the air, thus it disinfects and diminishes bad smells in the room.
- Furthermore it gathers house dust, pollen and other small particles that are responsible for allergies.
- At the same time it generates negative ions, in order to create a safe, healthy and relaxing environment.





BIOLOGICAL ANTIBACTERIAL FILTER *

- The Biological Antibacterial Filter has the ability to disinfect the air from bacteria by 95% and at the same time to collect small particles like dust and pollen from the environment.
- When air passing the filter, dust and bacteria are adhered on the surface of filter, where there is bio-bactericide.
- The Biological Antibacterial Filter stops drastically the reproduction and growth of bacteria and as a result, it completely eliminates them.
- It is safe and environmental friendly.



ACTIVE CARBON FILTER *

- Active carbon is an extremely absorbent element which has dual function, physical and chemical absorption.
- Due to its technological evolution, active carbon is able to absorb fast, harmful gases from the environment such as petrol, formaldehyde and ammonia.
- Active Carbon Filter offers a clean, odourless and healthy environment.

WALL MOUNTED UNITS

			Model	Refrigerant	Range of Cooling Capacity (KW)	Page
COLD PLASMA SERIES			API + APO	R410A	2.6 - 7.0	11
ULTRA THIN SERIES			XI + XO	R410A	2.6 - 3.5	13
WALL MOUNTED UNITS			AI + AO NSI + NSO	R410A	2.6 - 6.7 8.2	14
WALL MOUNTED UNITS			SI + SO	R407C	2.6 - 3.5	15
WALL MOUNTED UNITS			ASI + ASO	R410A	2.6 - 5.0	17
COLD PLASMA SERIES			CVI + CVO	R410A	2.6 - 7.0	19
ULTRA THIN SERIES			XVI + XV0	R410A	2.6 - 3.5	21
WALL MOUNTED UNITS			DVI + DVO	R410A	2.6 - 6.5	21

RESIDENTIAL SYSTEMS

			Model	Refrigerant	Range of Cooling Capacity (KW)	Page
FLOOR STANDING UNITS			RFI + RFO NFI + NFO	R410A R407C	7.0 - 14.1 14.1 - 17.6	23
FLOOR - CEILING UNITS			RKI + RKO	R410A	3.5 - 14.1	25
FLOOR - CEILING UNITS			VKI + VKO	R410A	5.0 - 14.1	27
4-WAY CASSETTE UNITS			RCI + RCO	R410A	5.0 - 14.1	29
4-WAY CASSETTE UNITS			VCI + VCO	R410A	7.0 - 14.1	31

DUCTED SYSTEMS

		Model	Refrigerant	Range of Cooling Capacity (KW)	Page
DUCTED SPLIT SYSTEMS		B5BX + T4BX	R410A	10.0 - 15.8	35
DUCTED SPLIT SYSTEMS		B5BX + TSX	R407C	15.8	36
GAS FURNACES & COILS		G6RA + C5BH		28.1 (heating)	37
LOW PROFILE DUCTED SPLIT SYSTEMS		NDI + NDO RDI + RDO	R407C R410A	17.6 7.0 - 17.6	39
LOW PROFILE DUCTED SPLIT SYSTEMS 		VDI + VDO	R410A	7.0 - 17.6	41

COMMERCIAL SYSTEMS

		Model	Refrigerant	Range of Cooling Capacity (KW)	Page
DUCTED SPLIT SYSTEMS		HTBI + HTBO	R410A, R407C	25.0 - 32.2	43



WALL MOUNTED UNITS



API



ASI



AI

SI



DVI



XI



Mirror



Rainorange



Rosato



Azzuratto



RESIDENTIAL SYSTEMS



Your-conditions



RFI-30



RFI-50



RKI

VKI 



RCI

VCI 



NEW TECHNOLOGIES



ENERGY CLASS A

the most efficient performance can be achieved with the lowest energy consumption

ENVIRONMENTAL FRIENDLY REFRIGERANT

contributes to the protection of the environment

R410A

AUTO CLEAN FUNCTION

protects from mold and odours the inner part of the unit

TURBO FUNCTION

the desired temperature can be achieved at minimum time



COLD PLASMA IONIZER

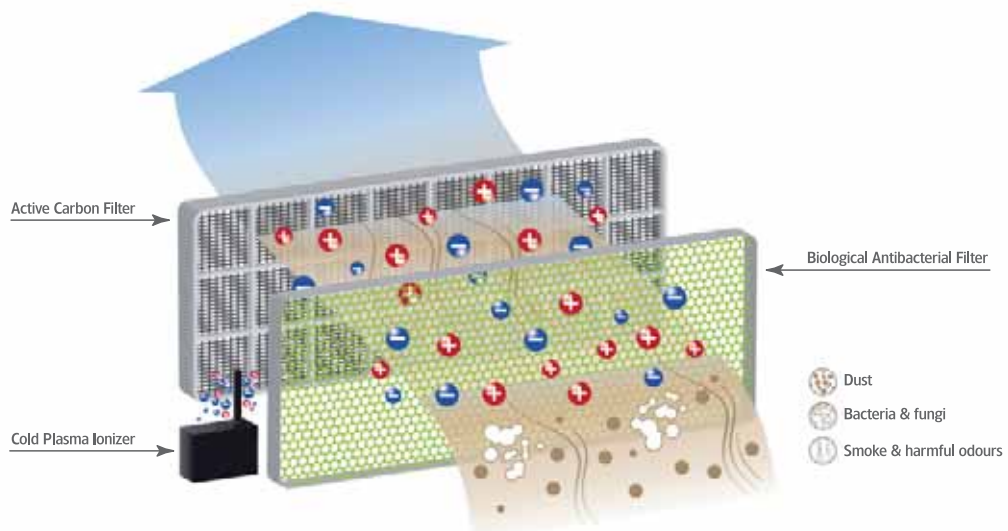
disinfects, sterilizes and keeps away bad smells

BIOLOGICAL ANTIBACTERIAL FILTER

eliminates the number of bacteria by 95%

ACTIVE CARBON FILTER

protects from harmful odours such as petrol, ammonia etc.



WALL MOUNTED UNITS COLD PLASMA SERIES



API

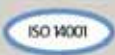
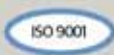
NEW MODELS

- R410A environmental friendly refrigerant
- **Energy Class A**
- Quiet operation
- Biological Antibacterial Filter (API/APO-12, 18, 24) –eliminates the number of bacteria by 95%
- Cold Plasma Ionizer –disinfects, sterilizes and deodorizes the air
- Active Carbon Filter –protects from harmful odours
- Auto Clean Function during cooling –protects the inner parts of the unit from mold and odours
- Turbo Function –the desired temperature is reached at minimum time
- Elegant design
- LSD display and LCD wireless remote control
- 24-hour programming
- Auto swing louver
- Auto restart

TECHNICAL SPECIFICATIONS

MODEL		API-09/APO-09	API-12/APO-12	API-18/APO-18	API-24/APO-24
Type		Split type, cooling and heating			
Cooling capacity	Btu/h	9.000	12.000	18.000	24.000
	Watt	2.638	3.517	5.276	7.034
Heating capacity	Btu/h	9.600	13.600	19.500	26.000
	Watt	2.814	3.986	5.715	7.620
Power input cooling / heating (W)		809 / 775	1.075 / 1.100	1.640 / 1.670	2.180 / 2.199
Moisture removal (L/H.r)		0.8	1.2	3.0	-
Air circulation (CMH Max)		500	630	850	1.000
EER for cooling (W/W)		3.26	3.27	3.22	2.23
COP for heating (W/W)		3.63	3.62	3.42	3.46
Energy class	Cooling	A	A	A	A
	Heating	A	A	B	B
Refrigerant		R410A / 750g	R410A / 1.100g	R410A / 1.500g	R410A / -
Power supply		230V / 1PH / 50Hz			
Rated current cooling / heating (A)		5.0 / 4.5	8.5 / 8.5	10.9 / 11.1	-
LRA (A)		18	32	40	-
Noise level (dB (A))	Indoor unit	High	36	38	45
		Medium	33	34	42
		Low	30	30	38
	Outdoor unit	50	51	56	58
Compressor type		Rotary	Rotary	Rotary	Rotary
Refrigerant line		1/4"	1/4"	1/4"	-
Gas line		3/8"	1/2"	1/2"	-
Other features					
Dimensions WxHxD (mm)	Indoor unit	790x265x170	845x275x180	940x298x200	1.060x330x208
	Outdoor unit	848x540x320	848x540x320	913x680x378	1.018x840x412
Net weight (Kg)	Indoor unit	9	10	13	16
	Outdoor unit	26	40	46	72
Packing dimensions WxHxD (mm)	Indoor unit	870x355x248	915x355x255	1.010x380x285	1.150x420x298
	Outdoor unit	878x590x360	878x590x360	994x725x428	1.100x905x450
Gross weight (Kg)	Indoor unit	12	13	17	21
	Outdoor unit	30	44	50	77
Certificates		CE	CE	CE	CE
		ISO9001	ISO9001	ISO9001	ISO9001
		ISO14001	ISO14001	ISO14001	ISO14001

(-) pending



colors

by  **inventor**



Green Effect



Grigio Titanium Effect



Rosso Barchetta



Cann Di Fucile Met.



Pearl White



Siver

WALL MOUNTED UNITS ULTRA THIN SERIES



NEW COLOURS

XI - Ultra Thin Series

Rainorange



Mirror



Azzuratto



Rosato



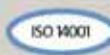
- R410A environmental friendly refrigerant
- **Energy class A**
- Elegant design
- Quiet operation
- LCD wireless remote control
- Auto restart
- Auto swing louver
- 24-hour programming
- Washable filter

TECHNICAL SPECIFICATIONS

MODEL		XI-09/X0-09	XI-12/X0-12
Type		Split type, cooling and heating	
Cooling capacity	Btu/h	9.000	12.000
	Watt	2.638	3.517
Heating capacity	Btu/h	10.000	13.000
	Watt	2.931	3.810
Power input cooling / heating (W)		768 / 840	1.079 / 1.103
Moisture removal (L/H.r)		1	1
Air circulation (CMH Max)		450	500
EER for cooling (W/W)		3.43	3.26
COP for heating (W/W)		3.49	3.45
Energy class	Cooling	A	A
	Heating	B	B
Refrigerant		R410A / 1.350g	R410A / 1.400g
Power supply		230V / 1PH / 50Hz	
Rated current cooling / heating (A)		3.24 / 3.66	4.69 / 4.80
LRA (A)		17	24
Noise level (dB (A))	Indoor unit	High	38
		Medium	35
		Low	32
	Outdoor unit	53	54
Compressor type		Rotary	Rotary
Refrigerant line		1/4"	1/4"
Gas line		3/8"	1/2"
Other features			
Dimensions WxHxD (mm)	Indoor unit	1.005x290x150	1.005x290x150
	Outdoor unit	848x540x320	848x540x320
Net weight (Kg)	Indoor unit	11	11
	Outdoor unit	36	36
Packing dimensions WxHxD (mm)	Indoor unit	1.080x358x243	1.080x358x243
	Outdoor unit	878x600x360	878x600x360
Gross weight (Kg)	Indoor unit	13	13
	Outdoor unit	44	44
Certificates		CE / ISO9001 / ISO14001	CE / ISO9001 / ISO14001

9 new colors (optional) for Ultra Thin panels; additional to the standard one (silver):

Type	Panels
P01	Rosso Barchetta
P02	Grigio Titanium Effect
P03	Canna Di Fucile Met.
P04	Green Effect
P05	Pearl White
P06	Rainorange
P07	Azzuratto
P08	Rosato
P09	Mirror



WALL MOUNTED UNITS



- R410A environmental friendly refrigerant
- **Energy class A** (AI/AO-09,12)
- Quiet operation
- Modern design
- LCD wireless remote control
- Auto restart
- Auto swing louver
- 24-hour programming
- Washable filter

TECHNICAL SPECIFICATIONS

MODEL		AI-09/AO-09	AI-12/AO-12	AI-18/AO-18	AI-24/AO-24	NSI-30/NSO-30
Type		Split type, cooling and heating				
Cooling capacity	Btu/h	9.000	12.000	17.000	23.000	28.000
	Watt	2.638	3.517	4.982	6.741	8.206
Heating capacity	Btu/h	9.600	13.600	18.000	25.000	30.000
	Watt	2.814	3.986	5.275	7.327	8.793
Power input cooling / heating (W)		830 / 790	830 / 1050	1.600 / 1.594	2.270 / 2.260	2.800 / 2.800
Moisture removal (L/H.r)		0.8	1.3	1.8	4.0	3.0
Air circulation (CMH Max)		430	450	580	830	1.200
EER for cooling (W/W)		3.25	3.33	3.11	2.97	2.93
COP for heating (W/W)		3.61	3.42	3.31	3.24	3.14
Energy class	Cooling	A	A	B	C	C
	Heating	A	B	C	C	D
Refrigerant		R410A / 780g	R410A / 1.080g	R410A / 1.050g	R410A / 1.700g	R410A / 2.600g
Power supply		230V / 1PH / 50Hz				
Rated current cooling / heating (A)		3.7 / 3.4	4.7 / 5.0	8.5 / 8.7	14.3 / 13.9	17.4 / 15.7
LRA (A)		19	26	31	60	75.5
Noise level (dB (A))	Indoor unit	High	40	40	43	45
		Medium	37	37	39	42
		Low	34	34	33	39
	Outdoor unit	50	51	55	56	60
Compressor type		Rotary	Rotary	Rotary	Rotary	Scroll
Refrigerant line		1/4"	1/4"	1/4"	3/8"	3/8"
Gas line		3/8"	1/2"	1/2"	5/8"	5/8"
Other features						
Dimensions WxHxD (mm)	Indoor unit	800x290x196	800x290x196	830x285x205	1.020x228x310	1.178x227x326
	Outdoor unit	665x500x295	790x540x245	913x680x378	950x700x412	1.006x840x412
Net weight (Kg)	Indoor unit	10	10	11	15	17.5
	Outdoor unit	26	33	46	59	90
Packing dimensions WxHxD (mm)	Indoor unit	870x365x280	855x350x265	895x370x285	1.078x390x325	1.265x328x417
	Outdoor unit	725x580x350	895x635x355	994x720x428	1.100x755x450	1.100x880x450
Gross weight (Kg)	Indoor unit	11.5	11.5	14	20	24
	Outdoor unit	29	36.5	50	64	103
Certificates		CE	CE	CE	CE	CE
		ISO9001	ISO9001	ISO9001	ISO9001	ISO9001
		ISO14001	ISO14001	ISO14001	ISO14001	ISO14001

WALL MOUNTED UNITS

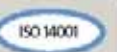
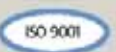
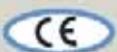
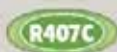
SI-09, 12



- R407C environmental friendly refrigerant
- Modern design
- Quiet operation
- LCD wireless remote control
- Auto restart
- Auto swing louver
- 24-hour programming
- Removable and washable panel
- Washable filter

TECHNICAL SPECIFICATIONS


MODEL		SI-09/SO-09	SI-12/SO-12
Type		Split type, cooling and heating	
Cooling capacity	Btu/h	9.000	12.000
	Watt	2.638	3.517
Heating capacity	Btu/h	10.000	13.000
	Watt	2.931	3.810
Power input cooling / heating (W)		960 / 1.040	1.330 / 1.450
Moisture removal (L/H.r)		1.0	1.0
Air circulation (CMH Max)		420	450
EER for cooling (W/W)		2.75	2.64
COP for heating (W/W)		2.82	2.63
Energy class	Cooling	D	D
	Heating	D	E
Refrigerant		R407C / 700g	R407C / 1.250g
Power supply		230V / 1PH / 50Hz	
Rated current cooling / heating (A)		4.6 / 4.8	6.5 / 7.0
LRA (A)		23	30
Noise level (dB (A))	Indoor unit	High	38
		Medium	34
		Low	32
	Outdoor unit	52	56
Compressor type		Rotary	Rotary
Refrigerant line		1/4"	1/4"
Gas line		3/8"	1/2"
Other features			
Dimensions WxHxD (mm)	Indoor unit	710x250x180	740x250x180
	Outdoor unit	720x430x260	720x430x260
Net weight (Kg)	Indoor unit	7	8.5
	Outdoor unit	25	28
Packing dimensions WxHxD (mm)	Indoor unit	755x315x260	810x315x260
	Outdoor unit	765x490x350	765x490x350
Gross weight (Kg)	Indoor unit	11	12
	Outdoor unit	29	32
Certificates		CE	CE
		ISO9001	ISO9001
		ISO14001	ISO14001



We present the **warranty certificate** for **inventor** air conditioning units






Your conditions
FOR THE END-CLIENT

Warranty number:

CONTACT DETAILS OF END-CLIENT

Full name: _____

Address: _____

Postal code: _____

Telephone number: _____

CONTACT DETAILS OF DISTRIBUTOR

Full name: _____

Address: _____

Postal code: _____

Telephone number: _____

Type of Unit

S/N of Unit

Date of Purchase

Date of Installation

Relative Receipt

inventor guarantees the normal operation of the unit for duration:

5 (five) years for the compressor and **2 (two) years** for the electric/mechanic parts of **all air-conditioning units** (8.000-125.000 Btu/h)

from the delivery date.

We kindly request you to read carefully the terms and conditions on the back page of this warranty.

1st Service SIGNATURE /STAMP	2nd Service SIGNATURE /STAMP	3rd Service SIGNATURE /STAMP	4th Service SIGNATURE /STAMP	5th Service SIGNATURE /STAMP
Date	Date	Date	Date	Date




Your conditions
FOR THE COMPANY

Warranty number:

CONTACT DETAILS OF END-CLIENT

Full name: _____

Address: _____

Postal code: _____

Telephone number: _____

CONTACT DETAILS OF DISTRIBUTOR

Full name: _____

Address: _____

Postal code: _____

Telephone number: _____

Type of Unit

S/N of Unit

Date of Purchase

Date of Installation

Relative Receipt

(Filed by the distributor)

WALL MOUNTED UNITS



NEW MODELS

- R410A environmental friendly refrigerant
- Quiet operation
- Elegant design
- LCD display and wireless remote control
- 24-hour programming
- Auto swing louver
- Auto restart
- Removable and washable panel
- Washable filter

TECHNICAL SPECIFICATIONS

MODEL		ASI-09/ASO-09	ASI-12/ASO-12	ASI-18/ASO-18	
Type		Split type, cooling and heating			
Cooling capacity	Btu/h	9.000	12.000	17.000	
	Watt	2.638	3.517	4.982	
Heating capacity	Btu/h	10.000	13.000	18.000	
	Watt	2.931	3.810	5.275	
Power input cooling / heating (W)		930 / 865	1130 / 1110	1.600 / 1.594	
Moisture removal (L/H.r)		0.8	1.0	1.8	
Air circulation (CMH Max)		420	520	580	
EER for cooling (W/W)		2.84	3.11	3.11	
COP for heating (W/W)		3.39	3.43	3.31	
Energy class	Cooling	C	B	B	
	Heating	C	B	C	
Refrigerant		R410A / 700g	R410A / 820g	R410A / 1.050g	
Power supply		230V / 1PH / 50Hz			
Rated current cooling / heating (A)		6.6 / 6.6	7.6 / 7.1	8.5 / 8.7	
LRA (A)		20	32	31	
Noise level (dB (A))	Indoor unit	High	35	38	43
		Medium	32	35	39
		Low	28	31	33
	Outdoor unit	50	52	55	
Compressor type		Rotary	Rotary	Rotary	
Refrigerant line		1/4"	1/4"	1/4"	
Gas line		3/8"	1/2"	1/2"	
Other features					
Dimensions WxHxD (mm)	Indoor unit	710x250x180	770x250x180	830x285x205	
	Outdoor unit	720x430x260	848x540x320	913x680x378	
Net weight (Kg)	Indoor unit	7	8.5	11	
	Outdoor unit	25	35	46	
Packing dimensions WxHxD (mm)	Indoor unit	755x315x260	810x320x278	895x370x285	
	Outdoor unit	765x490x350	878x590x360	994x720x428	
Gross weight (Kg)	Indoor unit	11	12	14	
	Outdoor unit	29	40	50	
Certificates		CE	CE	CE	
		ISO9001	ISO9001	ISO9001	
		ISO14001	ISO14001	ISO14001	



NEW TECHNOLOGIES

ADVANCED DC INVERTER TECHNOLOGY

stable temperature and up to 44% energy saving



ENERGY CLASS A

the most efficient performance can be achieved with the lowest energy consumption

ENVIRONMENTAL FRIENDLY REFRIGERANT

contributes to the protection of the environment



AUTO CLEAN FUNCTION

protects from mold and odours the inner part of the unit

TURBO FUNCTION

the desired temperature can be achieved at minimum time



COLD PLASMA IONIZER

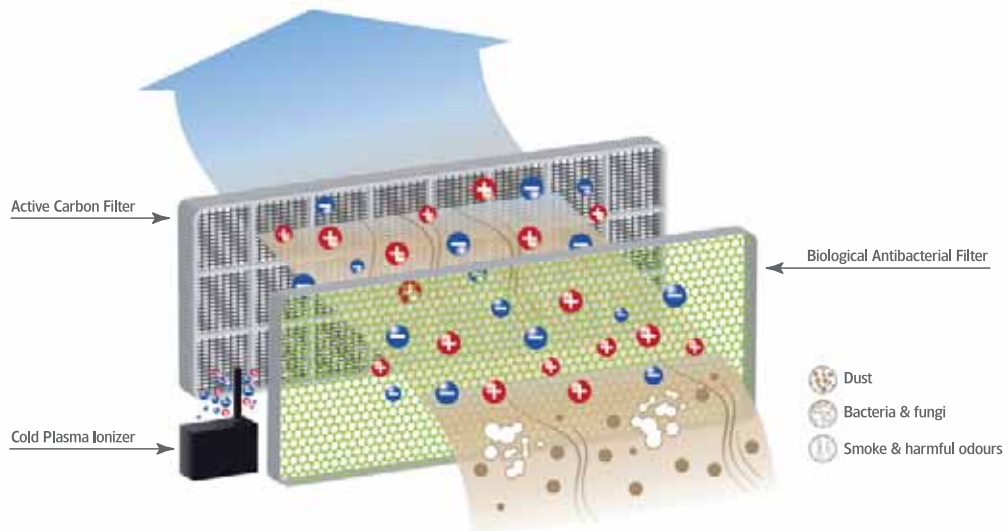
disinfects, sterilizes and keeps away bad smells

BIOLOGICAL ANTIBACTERIAL FILTER

eliminates the number of bacteria by 95%

ACTIVE CARBON FILTER

protects from harmful odours such as petrol, ammonia etc.



WALL MOUNTED UNITS - COLD PLASMA SERIES

DC INVERTER



CVI



NEW MODELS

- R410A environmental friendly refrigerant
- **Energy Class A**
- Advanced DC Inverter technology
- Quiet operation
- Biological Antibacterial Filter (CVI/CVO-12, 18, 24)
–eliminates the number of bacteria by 95%
- Cold Plasma Ionizer –disinfects, sterilizes and deodorizes the air
- Active Carbon Filter –protects from harmful odours
- Auto Clean Function during cooling
–protects the inner parts of the unit from mold and odours
- Turbo Function –the desired temperature is reached at minimum time
- Elegant design
- LCD display and LCD wireless remote control
- 24-hour programming
- Removable and washable panel
- Washable filter
- Steady operation in extreme outdoor conditions without losing capacity
- Low energy consumption
- Auto swing louver
- Auto restart

TECHNICAL SPECIFICATIONS

MODEL		CVI-09/CVO-09	CVI-12/CVO-12	CVI-18/CVO-18	CVI-24/CVO-24
Type		Inverter, split type, cooling and heating			
Cooling capacity	Btu/h	9.000 (4.026-10.577)	12.000 (4.162-12.966)	18.100 (7.271-19.960)	24.000
	Watt	2.638 (1.180-3.100)	3.517 (1.220-3.800)	5.305 (2.131-5.850)	7.034
Heating capacity	Btu/h	11.000 (4.094-12.966)	13.700 (4.470-16.173)	20.000 (8.626-21.451)	26.600
	Watt	3.224 (1.200-3.800)	3.986 (1.310-4.740)	5.862 (2.528-6.287)	7.796
Power input cooling / heating (W)		800 / 880	1.090 / 1.100	1.560 / 1.620	2.210 / 2.160
Moisture removal (L/H.r)		1.2	1.6	-	-
Air circulation (CMH Max)		500	560	675	750
EER for cooling (W/W)		3.30	3.23	3.40	3.18
COP for heating (W/W)		3.66	3.62	3.61	3.61
Energy class	Cooling	A	A	A	A
	Heating	A	A	A	A
Refrigerant		R410A / 800g	R410A / 1.150g	R410A / -	R410A / -
Power supply		230V / 1PH / 50Hz			
Rated current cooling / heating (A)		6.1 / 6.3	7.0 / 7.2	-	-
LRA (A)		25	25	-	-
Noise level (dB (A))	Indoor unit	High	41	48	48
		Medium	36	38	43
		Low	33	35	40
	Outdoor unit	53	54	56	55
Compressor type		Rotary	Rotary	Rotary	Rotary
Refrigerant line		1/4"	1/4"	-	-
Gas line		3/8"	1/2"	-	-
Other features					
Dimensions WxHxD (mm)	Indoor unit	790x265x170	845x275x180	920x298x200	1.060x330x208
	Outdoor unit	848x540x320	848x540x320	913x680x378	1.018x840x420
Net weight (Kg)	Indoor unit	9	10	13	13
	Outdoor unit	35	36	52	68
Packing dimensions WxHxD (mm)	Indoor unit	870x355x248	915x355x255	1.020x388x290	1.150x420x298
	Outdoor unit	878x590x360	878x590x360	994x720x428	1.100x905x450
Gross weight (Kg)	Indoor unit	12	13	18	18
	Outdoor unit	40	44	57	73
Certificates		CE	CE	CE	CE
		ISO9001	ISO9001	ISO9001	ISO9001
		ISO14001	ISO14001	ISO14001	ISO14001

(-) pending



DC INVERTER

colors
by **inventor**



Mirror



 **inventor**

WALL MOUNTED UNITS

DC INVERTER



NEW COLOURS



Rainorange

XVI-09, 12

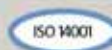


DVI

- R410A environmental friendly refrigerant
- **Energy Class A**
- **9 new colors for Ultra Thin panels XV series** (see page 13)
- Advanced DC Inverter technology
- Cold Plasma Ionizer (DVI/DVO-12)
 - disinfects, sterilizes and deodorizes the air
- Silver Ion Filter (DVI/DVO-12, 18, 24)
 - eliminates 99% of bacteria
- Active Carbon Filter
 - protects from harmful odours
- Quiet operation
- Elegant design
- LCD wireless remote control
- 24-hour programming
- Removable and washable panel
- Washable filter
- Steady operation in extreme outdoor conditions without losing capacity
- Low energy consumption
- Auto swing louver
- Auto restart

TECHNICAL SPECIFICATIONS

MODEL		XVI-09/XVO-09	XVI-12/XVO-12	DVI-09/DVO-09	DVI-12/DVO-12	DVI-18/DVO-18	DVI-24/DVO-24
Type		Inverter, split type, cooling and heating					
Cooling capacity	Btu/h	9.000 (1.228-11.000)	12.000 (1.331-14.000)	9.000 (3.870-10.571)	12.106 (4.092-13.981)	18.073 (8.525-19.778)	22.165 (6.820-23.188)
	Watt	2.638 (360-3.224)	3.517 (390-4.103)	2.638 (1.134-3.098)	3.550 (1.200-4.100)	5.300 (2.500-5.800)	6.500 (2.000-6.800)
Heating capacity	Btu/h	10.236 (1.228-13.000)	13.648 (1.331-15.000)	10.000 (4.092-13.282)	13.640 (4.265-15.345)	19.949 (7.843-19.778)	22.165 (5.456-27.962)
	Watt	3.000 (360-3.810)	4.000 (390-4.396)	2.930 (1.200-3.893)	4.000 (1.250-4.500)	5.850 (2.300-6.400)	6.500 (1.600-8.200)
Inverter type		DC	DC	DC	DC	DC	DC
Power input cooling/heating (W)		772 / 888	1.095 / 1.137	730 / 805	1.100 / 1.150	1.560 / 1.620	2.020 / 1.800
Moisture removal (L/H.r)		1.2	1.2	1.6	1.6	2.0	2.4
Air circulation (CMH Max)		450	500	450	550	800	850
EER for cooling (W/W)		3.42	3.21	3.61	3.23	3.40	3.22
COP for heating (W/W)		3.38	3.52	3.64	3.48	3.61	3.61
Energy class	Cooling	A	A	A	A	A	A
	Heating	C	B	A	B	A	A
Refrigerant		R410A / 1.200g	R410A / 1.270g	R410A / 1.200g	R410A / 1.270g	R410A / 1.600g	R410A / 2.400g
Power supply		230V / 1PH / 50Hz					
Rated current cooling/heating (A)		6.0 / 6.2	7.0 / 7.2	5.9 / 6.1	7.0 / 7.2	10.5 / 10.7	14.0 / 14.2
LRA (A)		33	33	33	33	41	32
Noise level (dB (A))	Indoor (H/M/L)	38 / 35 / 32	40 / 37 / 34	40 / 36 / 33	42 / 39 / 38	48 / 43 / 40	48 / 43 / 40
	Outdoor unit	53	54	53	55	56	55
Compressor type		Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
Refrigerant line		1/4"	1/4"	1/4"	1/4"	1/4"	3/8"
Gas line		3/8"	1/2"	1/2"	1/2"	1/2"	5/8"
Other features							
Dimensions WxHxD (mm)	Indoor unit	1.005x290x150	1.005x290x150	770x250x190	830x285x189	1.020x319x234	1.020x319x234
	Outdoor unit	848x540x320	848x540x320	848x540x320	848x540x320	846x685x378	950x840x420
Net weight (Kg)	Indoor unit	11	11	8.5	11	13	13
	Outdoor unit	40	40	40	40	52	68
Pack. dimensions WxHxD (mm)	Indoor unit	1.080x358x243	1.080x358x243	855x336x272	906x385x265	1.078x390x325	1.078x390x325
	Outdoor unit	878x590x360	878x590x360	878x590x360	878x590x360	994x750x428	1.100x905x450
Gross weight (Kg)	Indoor unit	13	13	12.5	14	17	17
	Outdoor unit	44	44	44	44	57	73
Certificates		CE	CE	CE	CE	CE	CE
		ISO9001	ISO9001	ISO9001	ISO9001	ISO9001	ISO9001
		ISO14001	ISO14001	ISO14001	ISO14001	ISO14001	ISO14001





 **inventor**

FLOOR STANDING UNITS

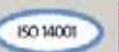
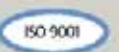
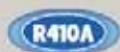
- R410A environmental friendly refrigerant (RFI/RFO)
- R407C environmental friendly refrigerant (NFI/NFO)
- Digital liquid display and wireless remote control
- Sanyo Scroll compressor
- Low temperature start, auxiliary heating with electric heater included as standard
- High air flow
- Auto error diagnosis
- Vertical auto swing louver
- 24-hour programming
- Auto restart
- High/low pressure switch, phase protector and overload protection
- Sensors for high and low pressure protection
- Heavy gauge galvanized steel with corrosion resistant electrostatic paint and blue fin coil
- Low energy consumption
- Quiet operation
- Outdoor operating temperature from -14°C to +52°C



TECHNICAL SPECIFICATIONS

MODEL (indoor + outdoor)		RFI-30+RFO-30	RFI-50+RFO-50	NFI-50+NFO-50	NFI-66+NFO-66
Cooling capacity	Btu/h	24.000	48.000	48.000	60.000
	Watt	7.034	14.068	14.068	17.585
Heating capacity + Auxiliary heating	Btu/h	28.000+7165	49.000+11.942	49.000+11.942	66.000+11.942
	Watt	8.206+2100	14.361+3.500	14.361+3.500	19.343+3.500
Electrical Data					
Voltage/Frequency/Phase (V/Hz/Ph)		230/50/1	380/50/3	380/50/3	380/50/3
Power input cooling / heating (W)		2.650 / 2.600	4.800 / 4.700	5.300 / 4.700	6.150 / 5.800
Rated current cooling / heating (A)		16.5 / 12	7.5 / 7.4	9.1 / 8.1	10.3 / 9.5
PTC heater power input (W)		2.100	3.500	3.500	3.500
Outdoor unit					
Power supply wires (Noxmm ²) / Fuses (A)		no	5x4 / 3x20	no	5x4 / 3x25
EER (W/W)		2.65	2.93	2.65	2.86
COP (W/W)		3.16	3.06	3.05	3.33
Noise level (dB (A))		56	61	61	64
Indoor unit					
Power supply wires (Noxmm ²) / Fuses (A)		3x4 / 1x25	no	5x4 / 3x20	5x2.5 / 3x16
Signal wires		2x1* & 4x1.5 & 4x2.5	4x1* & 5x1.5 & 5x2.5	4x1* & 6x1.5 & 5x2.5	4x1* & 6x1.5
Air flow (m ³ /h)		900	1.600	1.700	2.050
Moisture removal (L/H.r)		2.8	5.0	5.0	4.5
Speeds			3		
Noise level high/low (dB (A))		52 / 46	55 / 49	57 / 52	58 / 53
Other features					
Dimensions HxLxW (mm)	Indoor unit	1.750x500x300	1.790x540x380	1.750x570x380	1.850x580x390
	Outdoor unit	950x700x412	1.250x950x412	1.250x950x412	1.250x950x412
Net weight indoor / outdoor unit (Kg)		43 / 65	58 / 112	58 / 112	60 / 112
Refrigerant line		3/8"	1/2"	1/2"	1/2"
Gas line		5/8"	3/4"	3/4"	3/4"
Refrigerant		R410A / 2.400g	R410A / 3.800g	R407C / 3.800g	R407C / 5.500g

(*) stranded wire





 **inventor**

FLOOR - CEILING UNITS



RKI-26, 50



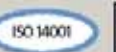
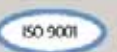
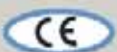
RKI-12, 18

- R410A environmental friendly refrigerant
- Elegant design
- Sanyo Scroll compressor
- Quiet operation
- LCD wireless remote control
- Auto restart
- 24-hour programming
- Auto swing louver
- Low energy consumption
- High/low pressure switch, phase protector and overload protection
- Sensors for high and low pressure protection
- Heavy gauge galvanized steel with corrosion resistant electrostatic paint and blue fin coil

TECHNICAL SPECIFICATIONS

MODEL (indoor + outdoor)		RKI-12+RKO-12	RKI-18+RKO-18	RKI-26+RKO-26	RKI-50+RKO-50
Cooling capacity	Btu/h	11.942	17.050	25.000	48.000
	Watt	3.500	5.000	7.327	14.068
Heating capacity	Btu/h	13.307	19.096	29.000	49.000
	Watt	3.900	5.600	8.500	14.361
Electrical Data					
Voltage/Frequency/Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1	380/50/3
Power input cooling / heating (W)		1.230 / 1.290	1.790 / 2.090	2.830 / 2.980	4.800 / 4.600
Rated current cooling / heating (A)		8.05 / 7.5	11.5 / 11.5	14.7 / 16.2	12.0 / 10.0
Outdoor unit					
Power supply wires (Noxmm ²) / Fuses (A)		3x2.5 / 1x10	3x2.5 / 1x16	3x2.5 / 1x20	5x4 / 3x20
EER (W/W)		2.85	2.79	2.59	2.93
COP (W/W)		3.02	2.68	2.85	3.12
Noise level (dB (A))		56	59	57	62
Indoor unit					
Power supply wires (Noxmm ²) / Fuses (A)		no	no	no	no
Signal wires		4x1* & 3x1.5	4x1* & 3x1.5	4x1.5	4x1.5
Air flow (m ³ /h)		600	700	1.170	2.200
Moisture removal (L/H.r)		16	16	2.4	2.6
Speeds		3			
Noise level high/low (dB (A))		46 / 38	50 / 46	50 / 46	49 / 45
Other features					
Dimensions HxLxW (mm)	Indoor unit	695x836x238	695x836x238	600x1.300x188	695x1.590x238
	Outdoor unit	540x848x320	690x920x378	840x950x412	1.250x950x412
Net weight indoor / outdoor unit (Kg)		27 / 40	27 / 52	32 / 75	42 / 112
Refrigerant line		1/4"	1/4"	3/8"	1/2"
Gas line		1/2"	1/2"	5/8"	3/4"
Refrigerant		R410A / 1.250g	R410A / 1.500g	R410A / 2.400g	R410A / 3.500g

(*) stranded wire



DC INVERTER



 **inventor**

FLOOR - CEILING UNITS

DC INVERTER



WIRED AND WIRELESS CONTROLLER

- 24-hour programming
- Sleep mode
- Defrost status display
- Auto error diagnosis
- Outdoor temperature display
- Energy saving feature
- Regulation of fresh air status (optional)



VKI

- R410A environmental friendly refrigerant
- Advanced DC Inverter technology: automatic control of cooling or heating according to indoor temperature resulting in maximum performance with minimum energy consumption
- Mitsubishi DC Inverter Scroll compressor
- Elegant design
- Ultra low noise level
- Centralized control; up to 16 modules with weekly timer
- Auto restart
- 24-hour programming
- Auto swing louver
- High/low pressure switch, phase protector and overload protection
- Sensors for high and low pressure protection
- Steady operation in extreme outdoor temperature without losing capacity
- Heavy gauge galvanized steel with corrosion resistant electrostatic paint and blue fin coil
- Low energy consumption

TECHNICAL SPECIFICATIONS

MODEL (indoor + outdoor)		VKI-18+URS-18	VKI-26+URS-24	VKI-45+URS-45	VKI-50+URT-50
Cooling capacity	Btu/h	5.333 - 17.060	6.824 - 24.000	11.942 - 42.000	18.766 - 48.000
	Watt	5.000	7.034	12.309	14.068
Heating capacity	Btu/h	5.333 - 19.790	6.824 - 28.000	11.942 - 50.000	17.060 - 56.000
	Watt	5.800	8.206	14.654	16.413
Electrical Data					
Voltage/Frequency/Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1	380/50/3
Power input cooling / heating (W)		1.810 / 1.940	2.450 / 2.600	4.200 / 4.400	5.700 / 4.600
Rated current cooling / heating (A)		7.5 / 8.5	11.2 / 11.9	24.7 / 24.8	10.6 / 9.9
Outdoor unit					
Power supply wires (Noxmm ²) / Fuses (A)		3x2.5 / 1x16	3x2.5 / 1x20	3x6 / 1x32	5x2.5 / 3x20
EER (W/W)		2.76	2.87	2.93	2.47
COP (W/W)		2.99	3.16	3.33	3.57
Noise level (dB (A))		50	59	63	63
Indoor unit					
Power supply wires (Noxmm ²) / Fuses (A)		3x1.5 / 1x10	3x2.5 / 1x16	3x2.5 / 1x16	3x2.5 / 1x16
Signal wires		2x1*	2x1*	2x1*	2x1*
Air flow (m ³ /h)		700	1170	2.200	2.300
Moisture removal (L/Hr)		16	16	4.4	5.2
Speeds				3	
Noise level (dB (A))		46	50	49	58
Other features					
Dimensions HxLxW (mm)	Indoor unit	695x836x238	600x1.300x188	695x1.590x238	695x1.590x238
	Outdoor unit	848x540x320	685x846x300	1.250x950x412	1.250x950x412
Net weight indoor / outdoor unit (Kg)		27 / 40	32 / 59	42 / 128	42 / 128
Refrigerant line		1/4"	3/8"	1/2"	1/2"
Gas line		1/2"	5/8"	3/4"	3/4"
Refrigerant		R410A / 1500g	R410A / 2.000g	R410A / 4.000g	R410A / 4.000g

(*) stranded wire





 **inventor**

4-WAY CASSETTE UNITS



RCI

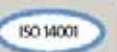
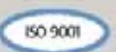
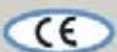


RCO

- R410A environmental friendly refrigerant
- LCD wireless remote control
- Sanyo Scroll compressor
- Low height from 23cm to 32cm
- Overflow pump indicator
- Auto swing louver
- 4-way airflow
- 24-hour programming
- Auto restart
- Easily removable and washable panel
- Low energy consumption
- Quiet operation
- High/low pressure switch, phase protector and overload protection
- Sensors for high and low pressure protection
- Heavy gauge galvanized steel with corrosion resistant electrostatic paint and blue fin coil

TECHNICAL SPECIFICATIONS

MODEL (indoor + outdoor)		RCI-18+RCO-18	RCI-26+RCO-26	RCI-50+RCO-50
Cooling capacity	Btu/h	17.050	24.000	48.000
	Watt	5.000	7.034	14.068
Heating capacity	Btu/h	18.755	26.000	49.000
	Watt	5.500	7.620	14.361
Electrical Data				
Voltage/Frequency/Phase (V/Hz/Ph)		230/50/1	230/50/1	380/50/3
Power input cooling / heating (W)		2.000 / 2.100	2.700 / 2.600	5.250 / 5.400
Rated current cooling / heating (A)		11.8 / 10.1	17.1 / 13.6	11.5 / 9.6
Outdoor unit				
Power supply wires (Noxmm ²) / Fuses (A)		3x2.5 / 1x16	3x2.5 / 1x20	5x4 / 3x20
EER (W/W)		2.50	2.60	2.68
COP (W/W)		2.62	2.93	2.66
Noise level (dB (A))		59	59	63
Indoor unit				
Power supply wires (Noxmm ²) / Fuses (A)		no	no	no
Signal wires		4x1.5	4x1.5	4x1.5
Air flow (m ³ /h)		680	1180	1.860
Moisture removal (L/H.r)		16	40	70
Speeds		3		
Noise level high/low (dB (A))		53 / 47	47 / 41	53 / 47
Other features				
Dimensions HxLxW (mm)	Panel	50x650x650	60x950x950	60x950x950
	Indoor unit	230x600x600	240x840x840	320x840x840
	Outdoor unit	700x950x412	840x950x412	1.250x950x412
Net weight indoor / outdoor unit (Kg)		20 / 65	30 / 75	38 / 112
Refrigerant line		3/8"	3/8"	1/2"
Gas line		5/8"	5/8"	3/4"
Refrigerant		R410A / 2.000g	R410A / 2.400g	R410A / 3.600g



DC INVERTER



 **inventor**

4-WAY CASSETTE UNITS

DC INVERTER



WIRED AND WIRELESS CONTROLLER

- 24-hour programming
- Sleep mode
- Defrost status display
- Auto error diagnosis
- Outdoor temperature display
- Energy saving feature
- Regulation of fresh air status (optional)



VCI



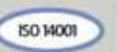
URS
URT

- R410A environmental friendly refrigerant
- Advanced DC Inverter technology: automatic control of cooling or heating according to indoor temperature resulting in maximum performance with minimum energy consumption
- Mitsubishi DC Inverter Scroll compressor
- Centralized control; up to 16 modules with weekly timer
- Low height from 24cm to 32cm
- Overflow pump indicator
- Auto swing louver
- 4-way airflow
- Fresh air valve (optional)
- Auto restart
- Easily removable and washable panel
- Low energy consumption
- Ultra low noise level
- Steady operation in extreme outdoor conditions without losing capacity
- High/low pressure switch, phase protector and overload protection
- Sensors for high and low pressure protection
- Heavy gauge galvanized steel with corrosion resistant electrostatic paint and blue fin coil

TECHNICAL SPECIFICATIONS

MODEL (indoor + outdoor)		VCI-26+URS-24	VCI-45+URS-45	VCI-50+URT-50
Cooling capacity	Btu/h	6.824 - 24.000	11.942 - 42.000	18.766 - 48.000
	Watt	7.034	12.309	14.068
Heating capacity	Btu/h	6.824 - 28.000	11.942 - 50.000	17.060 - 56.000
	Watt	8.206	14.654	16.413
Electrical Data				
Voltage/Frequency/Phase (V/Hz/Ph)		230/50/1	230/50/1	380/50/3
Power input cooling / heating (W)		2.450 / 2.600	4.200 / 4.400	5.700 / 4.600
Rated current cooling / heating (A)		11.2 / 11.9	24.7 / 24.8	10.6 / 9.9
Outdoor unit				
Power supply wires (Noxmm ²) / Fuses (A)		3x2.5 / 1x20	3x6 / 1x32	5x2.5 / 3x20
EER (W/W)		2.87	2.93	2.47
COP (W/W)		3.16	3.33	3.57
Noise level (dB (A))		59	63	63
Indoor unit				
Power supply wires (Noxmm ²) / Fuses (A)		3x2.5 / 1x16	3x2.5 / 1x16	3x2.5 / 1x16
Signal wires		2x1*	2x1*	2x1*
Air flow (m ³ /h)		1.180	1.860	2.000
Moisture removal (L/H.r)		4.0	4.4	5.4
Speeds			3	
Noise level (dB (A))		47	53	55
Other features				
Dimensions HxLxW (mm)	Panel	60x950x950	60x950x950	60x950x950
	Indoor unit	240x840x840	320x840x840	320x840x840
	Outdoor unit	685x846x300	1.250x950x412	1.250x950x412
Net weight indoor / outdoor unit (Kg)		30 / 59	38 / 128	38 / 128
Refrigerant line		3/8"	1/2"	1/2"
Gas line		5/8"	3/4"	3/4"
Refrigerant		R410A / 2.000g	R410A / 4.000g	R410A / 4.000g

(*) stranded wire



DUCTED SPLIT SYSTEMS



Your-conditions

R410A



RDI

VDI 

R407C



NDI



NDO
RDO
VDO



DUCTED SPLIT SYSTEMS



Your-conditions



B5BX

R410A



T4BX

R407C



HTBI-100

R410A



HTBI-120



HTBO





B5BX INDOOR UNITS

- Suitable for connection to flexible and metallic ducts
- Durable attractive cabinet
- Multi positioned: horizontal, vertical, up flow, down flow
- 3 speed operation
–flexibility of installation
- High static pressure 150 Pa and high air flow
- Emerson motor
- Fully accessible for maintenance
- Plug-in electric heater kits (5-15KW)

T4BX OUTDOOR UNITS

- R410A environmental friendly refrigerant
- Heavy gauge galvanized steel with corrosion resistant electrostatic paint
- Emerson motor
- Copeland Scroll compressor
- High pressure switch
- Liquid line filter drier
- Adjustable time defrost operation
- Five minutes time restart delay
- Guaranteed operation in cooling mode in low outdoor temperatures (-10°C) by using low ambient kit
- Maximum refrigerant line installation up to 54m (horizontal or vertical)



DUCTED SPLIT SYSTEMS

B5BX



T4BX



**MADE IN
USA**

TECHNICAL SPECIFICATIONS

MODEL (outdoor unit)		T4BX36	T4BX48	T4BX60
Cooling capacity	Btu/h	34.000	44.500	54.000
	Watt	9.965	13.042	15.826
Heating capacity	Btu/h	33.800	44.500	54.000
	Watt	9.906	13.042	15.826
Voltage/Frequency/Phase (V/Hz/Ph)		380/50/3	380/50/3	380/50/3
Power input cooling / heating (W)		3.990 / 3.660	5.910 / 4.310	6.850 / 5.000
Rated current cooling / heating (A)		7.8	10.1	11.7
Power supply wires (Noxmm ²) / Fuses (A)		5x2.5 / 3x16	5x4 / 3x20	5x4 / 3x25
EER (W/W)		2.50	2.21	2.31
COP (W/W)		2.71	3.03	3.16
Air flow (m ³ /h/cfm)		4.250 / 2.500	5.440 / 3.200	5.440 / 3.200
Noise level (dB(A))		63	65	65
Dimensions HxLxW (mm)		678x572x572	678x775x775	678x775x775
Net weight (Kg)		77	90	92
Refrigerant line		3/8"	3/8"	3/8"
Gas line		7/8"	7/8"	7/8"
Refrigerant		R410A / 2.600g	R410A / 3.100g	R410A / 3.300g
MODEL (indoor unit)		B5BX36	B5BX48	B5BX60
Air flow	m ³ /h	2125 / 1.870 / 1.411	3.060 / 2.516 / 2.227	3.740 / 3.366 / 2.924
	high / medium / low cfm	1.250 / 1.100 / 830	1.800 / 1.480 / 1.310	2.200 / 1.980 / 1.720
Net static pressure (Pa)		150	150	150
Fan		10x6-1/3HP	10x8-1/3HP	10x8-1/2HP
Voltage/Frequency/Phase (V/Hz/Ph)		220/50/1	220/50/1	220/50/1
Power supply wires (Noxmm ²) / Fuses (A)		3x2.5 / 1x16	3x2.5 / 1x16	3x2.5 / 1x16
Signal wires		6x1.5	6x1.5	6x1.5
Noise level (dB(A))		46	48	50
Dimensions HxLxW (mm)		1.105x362x559	1.105x502x559	1.257x502x559
Filter dimensions (mm)		304.8x508x25.4	457.2x508x25.4	457.2x508x25.4
Net weight (Kg)		38	50	66



DUCTED SPLIT SYSTEMS



B5BX



TSX61

TSX61 OUTDOOR UNIT

- R407C environmental friendly refrigerant
- Heavy gauge galvanized steel with corrosion resistant electrostatic paint
- Side discharge with two horizontal fans
- Latest coil technology with four rows
- Sanyo scroll compressor
- High/low pressure switch, phase protector

TECHNICAL SPECIFICATIONS

MODEL (outdoor unit)		TSX61	
Cooling capacity	Btu/h	54.000	
	Watt	15.826	
Heating capacity	Btu/h	55.000	
	Watt	16.119	
Voltage/Frequency/Phase (V/Hz/Ph)		380/50/3	
Power input cooling / heating (W)		6.850 / 5.000	
Rated current cooling / heating (A)		10.6	
Power supply wires (Noxmm ²) / Fuses (A)		5x4 / 3x25	
EER (W/W)		2.31	
COP (W/W)		3.22	
Air flow (m ³ /h/cfm)		6.120 / 3.600	
Noise level (dB(A))		61	
Dimensions HxLxW (mm)		1.230x930x380	
Net weight (Kg)		110	
Refrigerant line		3/8"	
Gas line		7/8"	
Refrigerant		R407C / 4.200g	
MODEL (indoor unit)		B5BX48	B5BX60
Air flow high / medium / low	m ³ /h	3.060/2.516/2.227	3.740/3.366/2.924
	cfm	1.800/1.480/1.310	2.200/1.980/1.720
Net static pressure (Pa)		150	150
Fan		10x8-1/3HP	10x8-1/2HP
Voltage/Frequency/Phase (V/Hz/Ph)		230/50/1	230/50/1
Power supply wires (Noxmm ²) / Fuses (A)		3x2.5 / 16	3x2.5 / 16
Signal wires		6X1.5 & 3x2.5	6X1.5 & 3x2.5
Noise level (dB(A))		48	50
Dimensions HxLxW (mm)		1.105x502x559	1.257x502x559
Filter dimensions (mm)		457.2x508x25.4	457.2x508x25.4
Net weight (Kg)		50	66

GAS FURNACE NATURAL GAS OR PROPANE



- Units are 100% fired and tested during the manufacturing process
- Faultless and quiet operation
- Fixed 36 seconds blower delay at burner start-up
- 108 seconds fixed cooling cycle blower-off relay
- Dependable shock-mounted hot surface ignitor
- Four speed direct drive blower –designed to give a wide range of cooling capacities
- Capable of receiving 100% fresh air
- Cooling operation when matched with coil and condensing unit
- LP convertible-simple burner orifice and regulator spring change for ease of convertibility
- Carries CE Certificate

TECHNICAL SPECIFICATIONS

MODEL	G6RA-120	
Input Btu/h (a)	120.000	
Heating capacity	Btu/h	96.000
	Watt	28140
Annual fuel utilization efficiency	80+	
Max. Htg. Ext. St. Press. (Pa)	125	
Blower D x W	11 x 10	
Motor H.P. – Speed – Type	3/4-4-PSC	
Motor FLA	4.2	
Air flow	2.890/2.329/1.870/1.445	
high / high-medium / medium-low / low (m ³ /h)		
Net weight (Kg)	82	
Voltage/Frequency/Phase (V/Hz/Ph)	230/50/1	
Dimensions HxLxW (mm)	1.092x572x702	

COIL IN INSULATED BOX



TECHNICAL SPECIFICATIONS

MODEL	C5BH048-C
Face area (m ²)	0.518
Rows	3
Refrigerant flow control	Fixed orifice
Nominal airflow (m ³ /h)	2.720
Pressure drop at nominal airflow (Pa)	74.7
Dimensions HxLxW (mm)	635x533x495
Refrigerant line	3/8"
Gas line	7/8"



R410A



RDI-24, 50, 60

- Compact size for easy installation above fake ceiling (indoor's height from 27 up to 32cm)
- High static pressure (150 Pa)
- Fresh air valve setting can be defined from the wire-controller (optional)
- Catechin Filter –eliminates house dust and 95% of microbes
- Photocatalyst filter –protects from harmful odours
- Indoor room sensor at the air intake of the indoor unit and inside the controller (user can select one of the two indoor sensors)
- Condensate pump included with maximum height 1,10m
- Maximum refrigerant pipe length is 50m horizontal and 30m vertical

R407C



NDI-60

- Compact size for easy installation above fake ceiling (indoor's height 37cm)
- High static pressure (120 Pa)
- Fresh air inlet opening on the side of indoor unit
- Return air suction on the bottom or back side of the indoor unit
- High or normal static pressure can be selected by the installer
- **Electric heater kit 3.6 KW included as standard**

WIRED AND WIRELESS REMOTE CONTROL (RD)

- 24-hour programming*
- Sleep mode*
- Defrost status display*
- Fresh air status display*
- Auto error diagnosis*
- Outdoor temperature display
- Energy saving feature

* Applies for ND series as well



LOW PROFILE DUCTED SPLIT SYSTEMS

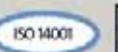
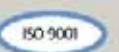


- R410A environmental friendly refrigerant (RDI/RDO)
- R407C environmental friendly refrigerant (NDI/NDO)
- Ideal for low height installations
- LCD wired control and wireless remote control
- Centralized control; up to 16 modules with weekly timer
- 3 speed operation + Auto
- During defrost mode, indoor fan stops operating automatically
- Condensate drainpipe either on right or left side of indoor unit
- Hot Start operation: Thermostat on indoor coil for the control of indoor's fan start in heating mode
- Low noise and high efficiency Sanyo Scroll compressor
- High/low pressure switch, phase protector and overload protection
- Sensors for high and low pressure protection
- Heavy gauge galvanized steel with corrosion resistant electrostatic paint and blue fin coil

TECHNICAL SPECIFICATIONS

MODEL (indoor + outdoor)		NDI-60+NDO-60	RDI-24+RDO-24	RDI-50+RDO-50	RDI-60+RDO-60
Cooling capacity	Btu/h	60.000	24.000	48.000	60.000
	Watt	17.585	7.034	14.068	17.585
Heating capacity + Auxilliary heating	Btu/h	62.000 + 12.283	28.000	53.000	66.000
	Watt	18.171 + 3.600	8.206	15.533	19.343
Electrical Data					
Voltage/Frequency/Phase (V/Hz/Ph)		380/50/3	220/50/1	380/50/3	380/50/3
Power input cooling / heating (W)		5.900 / 6.000	2.800 / 2.400	5.300 / 4.950	6.300 / 5.500
Rated current cooling / heating (A)		10.5 / 10.9	19.7 / 16.5	9.0 / 8.2	10.5 / 9.6
PTC heater power input (W)		3.600	no	no	no
Outdoor unit					
Power supply wires (Noxmm ²) / Fuses (A)		5x4 / 3x25	3x2.5 / 1x20	5x2.5 / 3x20	5x4 / 3x25
EER (W/W)		2.98	2.51	2.65	2.79
COP (W/W)		3.03	3.42	3.14	3.52
Noise level (dB (A))		64	59	62	64
Indoor unit					
Power supply wires (Noxmm ²) / Fuses (A)		5x2.5 / 3x16	3x1.5 / 1x16	3x1.5 / 1x16	3x2.5 / 1x16
Signal wires		2x1*	2x1*	2x1*	2x1*
Air flow (m ³ /h)		2.500	1.400	2.000	2.500
Net static pressure (Pa)		120	80	150	150
Speeds				3	
Noise level high/low (dB (A))		53 / 44	44 / 40	48 / 44	53 / 44
Other features					
Dimensions HxLxW (mm)	Indoor unit	370x1.463x756	268x1.259x504	290x1.251x744	330x1.251x788
	Outdoor unit	1.250x950x412	950x700x412	1.250x950x412	1.250x950x412
Net weight indoor / outdoor unit (Kg)		95 / 123	37 / 59	66 / 112	66 / 112
Refrigerant line		1/2"	3/8"	1/2"	1/2"
Gas line		7/8"	5/8"	3/4"	3/4"
Refrigerant		R407C / 5.000g	R410A / 2.000g	R410A / 3.500g	R410A / 5.000g

(*) stranded wire



DC INVERTER



 **inventor**

LOW PROFILE DUCTED SPLIT SYSTEMS

DC INVERTER



WIRED AND WIRELESS CONTROLLER

- 24-hour programming
- Sleep mode
- Defrost status display
- Auto error diagnosis
- Outdoor temperature display
- Energy saving feature
- Regulation of fresh air status (optional)
- R410A environmental friendly refrigerant
- Advanced DC Inverter technology: automatic control of cooling or heating according to indoor temperature resulting in maximum performance with minimum energy consumption
- Ideal for low height installations; fake ceiling (from 27 to 29cm)
- Centralized control; up to 16 modules with weekly timer
- 3-level speed operation + Auto
- High static pressure (150 Pa)
- High or normal static pressure can be selected by the installer
- During defrost mode indoor fan stops operating automatically
- Condensate pump included with maximum elevation height 1.10m
- Hot Start operation: Thermostat on indoor coil for the control of indoor's fan start in heating mode
- High efficiency DC Inverter Mitsubishi compressor
- Ultra low noise level
- High/low pressure switch, phase protector and overload protection
- Sensors for high and low pressure protection
- Heavy gauge galvanized steel with corrosion resistant electrostatic paint and blue fin coil
- High and low pressure switch
- Catechin Filter –eliminates house dust and 95% of microbes
- Photocatalyst filter –protects from harmful odours
- Steady operation in extreme outdoor conditions without losing capacity
- Low energy consumption


TECHNICAL SPECIFICATIONS

MODEL (indoor + outdoor)		VDI-24+URS-24	VDI-45+URS-45	VDI-50+URT-50	VDI-60+URT-60
Cooling capacity	Btu/h	6.824 - 24.000	11.942 - 42.000	18.766 - 48.000	16.105 - 60.000
	Watt	7.034	12.309	14.068	17.585
Heating capacity	Btu/h	6.824 - 28.000	11.942 - 50.000	17.060 - 56.000	16.105 - 62.000
	Watt	8.206	14.654	16.413	18.171
Electrical Data					
Voltage/Frequency/Phase (V/Hz/Ph)		230/50/1	230/50/1	380/50/3	380/50/3
Power input cooling / heating (W)		2.450 / 2.600	4.200 / 4.500	5.700 / 4.600	6.100 / 5.500
Rated current cooling / heating (A)		11.2 / 11.9	24.7 / 24.8	10.6 / 9.9	15.2 / 11.8
Outdoor unit					
Power supply wires (Noxmm ²) / Fuses (A)		3x2.5 / 1x20	3x6 / 1x32	5x2.5 / 3x20	5x4 / 3x25
EER (W/W)		2.87	2.93	2.47	2.88
COP (W/W)		3.16	3.33	3.57	3.40
Noise level (dB (A))		59	63	63	64
Indoor unit					
Power supply wires (Noxmm ²) / Fuses (A)		3x2.5 / 1x16	3x2.5 / 1x16	3x2.5 / 1x16	3x2.5 / 1x16
Signal wires		2x1*	2x1*	2x1*	2x1*
Air flow (m ³ /h)		1400	2.000	2.400	2.700
Net static pressure (Pa)		80	150	150	150
Speeds				3	
Noise level (dB (A))		44	48	48	48
Other features					
Dimensions HxLxW (mm)	Indoor unit	268x1.270x504	290x1.251x744	290x1.251x744	330x1.251x788
	Outdoor unit	685x846x300	1.250x950x412	1.250x950x412	1.250x950x412
Net weight indoor / outdoor unit (Kg)		37 / 59	57 / 128	57 / 128	66 / 138
Refrigerant line		3/8"	1/2"	1/2"	1/2"
Gas line		5/8"	3/4"	3/4"	3/4"
Refrigerant		R410A / 2.000g	R410A / 4.000g	R410A / 4.000g	R410A / 4.300g

(*) stranded wire





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COMMERCIAL DUCTED SPLIT SYSTEMS



HTBI-100



HTBI-120



HTBO-100

- R410A environmental friendly refrigerant (HTBI/HTBO-120)
- R407C environmental friendly refrigerant (HTBI/HTBO-100)
- Compact design for easy installations above fake ceiling (HTBI-100 low height 36cm)
- Digital wired control using touch pad and LCD display
- Wireless control (HTB-120)
- Centralized control; up to 16 modules (HTB-120)
- High static pressure (180Pa) and big airflow
- Belt-driven indoor fan (HTB-120)
- Sanyo Scroll compressor (HTB-100)
- Danfoss Scroll compressor (HTB-120)
- Low energy consumption
- Ultra low noise level
- Heavy gauge galvanized steel with corrosion resistant electrostatic paint
- Fan speed controller included for static pressure and air flow adjustment (HTB-100)

TECHNICAL SPECIFICATIONS

MODEL (indoor + outdoor)		HTBI-100+HTBO-100	HTBI-120+HTBO-120
Cooling capacity	Btu/h	86.000	110.000
	Watt	25.000	32.239
Heating capacity	Btu/h	96.500	120.000
	Watt	28.000	35.170
Electrical Data			
Voltage/Frequency/Phase (V/Hz/Ph)		380/50/3	380/50/3
Power input cooling / heating (W)		11.000 / 10.500	11.000 / 9.000
Rated current cooling / heating (A)		19 / 18.4	27 / 23
Outdoor unit			
EER (W/W)		2.27	2.93
COP (W/W)		2.67	3.91
Number of compressors		1	1
Number of fans		1	1
Power supply wires (Noxmm ²) / Fuses (A)		5x6 / 3x32	5x6 / 3x35
Noise level (dB (A))		56	67
Indoor unit			
Power supply wires (Noxmm ²) / Fuses (A)		no	5x2.5 / 3x16
Signal wires		4x2.5	2x1*
Air flow high / medium / low (m ³ /h)		4.500 / 3.800 / 3.000	5.500
Number of fans		2	2
Net static pressure (Pa)		180	180
Speeds		3	1
Noise level high / medium / low (dB(A))		54 / 52 / 49	57
Other features			
Dimensions HxLxW (mm)	Indoor unit	360x1.570x840	500x1.500x1.000
	Outdoor unit	1.750x1.000x750	2.000x1.162x980
Net weight indoor / outdoor unit (Kg)		92 / 161	170 / 250
Refrigerant line (mm)		12.7	12.7
Gas line (mm)		28.58	28.58
Refrigerant		R407C / 8.500g	R410A / 9.500g

(*) stranded wire



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2009

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CHILLER/HEAT PUMP MODELS

R410A



Air Cooled Water Chillers – Heat Pumps A1. MQH 5 to 18

- Now with R410A
- 7 heat pump models covering cooling capacities from 5.6 to 17.8 kW
- Hydro kit std
- Ready and easy to install
- EUROVENT certified

Air Cooled Water Chillers – Heat Pumps AQTL/AQTH/AQTR 1206 to 1806kW

- R410A refrigerant
- Nominal cooling capacity from 284 to 457kW
- Nominal heating capacity from 307 to 496kW
- Hermetic scroll compressors with high efficiency and low vibration emission
- Electronic expansion valves
- Optionally heat recovery version
- Quiet fans located in externally mounted nozzle profile housing generating low sound levels



R410A



inventor[®]

Your-conditions

No 1

in



RESIDENTIAL AND COMMERCIAL
AIR CONDITIONING SYSTEMS



**for the compressor
and for all parts of the unit**

Continuous and full range
of spare parts on stock for all units

Technical support
from our specialized
engineering department

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.



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CHESTERFIELD
MO. 63006-4171
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