



RESIDENTIAL & LIGHT COMMERCIAL AIR CONDITIONING CATALOGUE



Your *natural* 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 the inventor air conditioning units ensures their reliable operation according to the highest energy class standards, achieving, maximum performance with minimum consumption rates and environment friendly operation.



Their excellent quality, operational efficiency and the use of eco-friendly refrigerants have been awarded with European Union certificates of the highest standard.



for the compressor and for all parts of the unit

Listed by applied research laboratories



NEW TECHNOLOGIES

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.

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.



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.

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.

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.

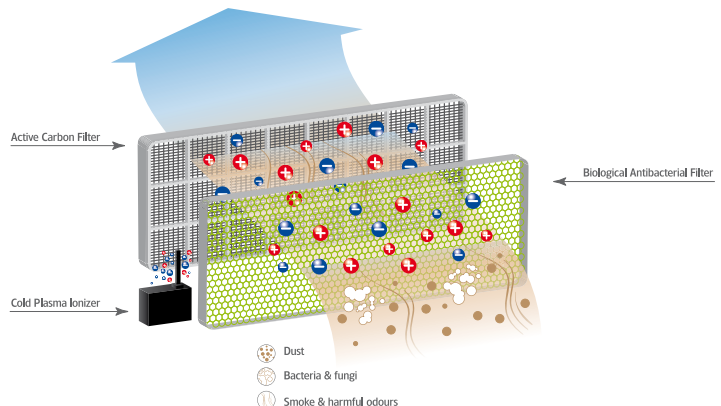
ACTIVE CARBON FILTER

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.

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.



TURBO FUNCTION

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

INTELLIGENT DEFROST

Power saving and improved heating efficiency by intelligent defrost. INTELLIGENT DEFROST is achieved only by sensors that they control the need and duration of DEFROST PROCESS.

UMATCH TECHNOLOGY

Universal outdoor units ULS/ULT and URS/URT for all residential and ducted units contribute to have a common way to solve technical problems. In addition, the parts are identical and there is no need to have different part for each outdoor.



- Energy class A/A (APS-09, APS-12, AP-09, AP-12)
- Energy class A/B (APS-18, APS-24, AP-18)
- Ultra quiet operation
- Biological Antibacterial Filter – eliminates the number of bacteria by 95%
- Cold Plasma Ionizer – disinfects, sterilizes and deodorizes the air
- Active Carbon Filter – protects from harmful odors
- Auto Clean Function in cooling mode – protects the inner parts of the unit from mold and odors
- Turbo function – the desired temperature is reached at minimum time
- Low power consumption and higher efficiency due to New Defrost function
- Hot Start operation: the indoor coil sensor controls the indoor fan and prevents cold air during start up in heating mode
- LCD display and wireless remote control
- Activation and deactivation of the display on demand
- Auto swing louver
- 24-hour programming
- Ideal indoor environment with auto mode function
- Auto restart

WALL MOUNTED UNITS

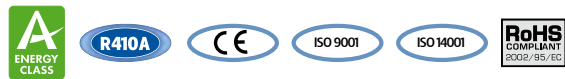
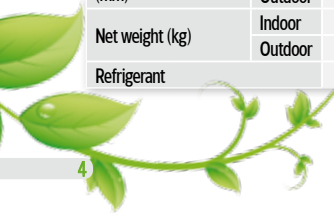
**APSI
API**



NEW MODELS



MODEL	APSI-09/APSO-09	APSI-12/APSO-12	APSI-18/APSO-18	APSI-24/APSO-24	APSI-30/APSO-30	API-09/APO-09	API-12/APO-12	API-18/APO-18		
Cooling Capacity (Btu/h)	9000	11000	16036	22519	27296	9000	12000	18000		
Heating Capacity (Btu/h)	9600	12000	16719	24737	30026	9600	13600	19500		
Voltage/ Frequency / Phase	230V/1PH/50Hz	230V/1PH/50Hz	230V/1PH/50Hz	230V/1PH/50Hz	230V/1PH/50Hz	230V/1PH/50Hz	230V/1PH/50Hz	230V/1PH/50Hz		
Rated Current Cooling / Heating (A)	4.6 / 5.1	6.3 / 6.1	10.0 / 10.0	12.6 / 13.4	16.1 / 15.2	5.0 / 4.5	8.5 / 8.5	10.9 / 11.1		
Power Input Cooling / Heating (W)	821 / 779	1004 / 973	1460 / 1430	2056 / 2126	2850 / 2700	809 / 775	1075 / 1100	1640 / 1670		
EER for Cooling (W/W)	3.21	3.21	3.22	3.21	2.81	3.26	3.27	3.22		
COP for Heating (W/W)	3.61	3.61	3.43	3.41	3.26	3.63	3.62	3.42		
Energy Class Cooling / Heating	A / A	A / A	A / B	A / B	C / C	A / A	A / A	A / B		
LRA (A)	209	23	32	49.5	60	18	32	40		
Air Circulation (CMH Max)	400	550	850	900	1200	500	630	850		
Noise level (dB (A))	Indoor unit	High	37	38	43	43	49	36	38	45
		Low	32	32	37	35	45	30	30	38
		Outdoor unit	50	52	55	57	60	50	51	56
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary		
Liquid line	1/4"	1/4"	1/4"	1/4"	3/8"	1/4"	1/4"	1/4"		
Gas line	1/2"	1/2"	1/2"	5/8"	5/8"	3/8"	1/2"	1/2"		
Dimensions WxHxD (mm)	Indoor	730x255x174	790x265x177	940x298x200	1007x315x219	1178x326x227	790x265x170	845x275x180	940x298x200	
	Outdoor	785x540x320	798x540x320	848x540x320	955x700x424	1006x840x412	848x540x320	848x540x320	913x680x378	
Net weight (kg)	Indoor	8	9	13	15.5	17.5	9	10	13	
	Outdoor	31	35	40	57	72	26	40	46	
Refrigerant	R410A/760g	R410A/840g	R410A/1150g	R410A/1700g	R410A/2600g	R410A/750g	R410A/1100g	R410A/1500g		



- Energy class A/A
- Advanced DC Inverter technology for high efficiency in extreme outdoor conditions
- Ultra quiet operation (from 24db)
- Cold Plasma Ionizer – disinfects, sterilizes and deodorizes the air
- Biological Antibacterial Filter – eliminates the number of bacteria by 95% CVI-12,18,24
- Active Carbon Filter – protects from harmful odors
- Turbo function – the desired temperature is reached at minimum time
- Auto Clean Function in cooling mode-protects the inner parts of the unit from mold and odors
- LCD display and wireless remote control
- Activation and deactivation of the display on demand
- Optional lock of the remote control's keypad
- Cooling operation during low outdoor temperature
- Steady operation in extreme outdoor conditions without efficiency loss
- Auto defrost operation or manual on installer's choice
- Auto restart
- Hot Start operation: the indoor coil sensor controls the indoor fan and prevents cold air during start up in heating mode
- Lower power consumption and higher efficiency due to the New Defrost function
- Auto swing louver

CVI



WALL MOUNTED UNITS

EVI



DC INVERTER

NEW MODELS

COLD PLASMA

MODEL	EVI-09/EVO-09	EVI-12/EVO-12	EVI-18/EVO-18	EVI-24/EVO-24	CVI-09/CVO-09	CVI-12/CVO-12	CVI-18/CVO-18	CVI-24/CVO-24	
Cooling Capacity (Btu/h)	9,042 (1,500-11,000)	12,044 (2,047-13,511)	18,345 (3,583-22,178)	23,154 (4,777-23,884)	9,000 (4,026-10,577)	12,000 (4,162-12,966)	18,100 (8,500-19,800)	21,995 (6,800-23,200)	
Heating Capacity (Btu/h)	12,010 (1,500-14,000)	13,989 (2,047-17,503)	21,552 (3,412-23,884)	25,088 (4,094-26,614)	11,000 (4,094-12,966)	13,700 (4,470-16,173)	20,000 (7,850-21,800)	23,870 (5,460-28,000)	
Voltage/ Frequency / Phase	230V/1PH/50Hz	230V/1PH/50Hz	230V/1PH/50Hz	230V/1PH/50Hz	230V/1PH/50Hz	230V/1PH/50Hz	230V/1PH/50Hz	230V/1PH/50Hz	
Rated Current Cooling / Heating (A)	6.3 / 6.8	6.5 / 7.8	11.4 / 12.0	11.4 / 12.4	6.1 / 6.3	7.0 / 7.2	10.48 / 10.71	14.0 / 14.2	
Power Input Cooling / Heating (W)	800 / 950	1100 / 1135	1625 / 1750	2,088 / 2,031	800 / 880	1,090 / 1,100	1,560 / 1,620	2,002 / 1,766	
EER for Cooling (W/W)	3.30	3.21	3.31	3.25	3.30	3.23	3.40	3.22	
COP for Heating (W/W)	3.70	3.61	3.61	3.62	3.66	3.62	3.62	3.65	
Energy Class Cooling / Heating	A / A	A / A	A / A	A / A	A / A	A / A	A / A	A / A	
LRA (A)	25	25	41	41	25	25	41	41	
Air Circulation (CMH Max)	600	680	730	800	500	560	850	850	
Noise level (dB (A))	Indoor unit	High	36	37	45	46	40	41	48
		Low	24	25	32	32	33	35	40
	Outdoor unit	47	53	54	54	53	54	56	58
Compressor Type	Rotary	Rotary	Twin Rotary	Twin Rotary	Rotary	Rotary	Twin Rotary	Twin Rotary	
Liquid line	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	
Gas line	3/8"	3/8"	1/2"	1/2"	3/8"	1/2"	1/2"	1/2"	
Dimensions WxHxD (mm)	Indoor	770x283x201	770x283x201	865x305x215	1008x319x221	790x265x170	845x275x180	1020x319x234	1060x319x234
	Outdoor	658x550x275	658x550x275	955x700x424	955x700x396	848x540x320	848x540x320	848x685x378	950x840x420
Net weight (kg)	Indoor	8	9	12	15	9	10	13	
	Outdoor	28	30	52	52	35	36	52	68
Refrigerant	R410A/740g	R410A/1,000g	R410A/1,250g	R410A/1,400g	R410A/800g	R410A/1,150g	R410A/1,600g	R410A/ 2,400g	



- Energy class A
- Advanced DC Inverter technology for high efficiency in extreme outdoor conditions XV
- Ultra quiet operation
- Elegant design
- Auto swing louver
- Active Carbon Filter – protects from harmful odors
- Steady operation in extreme outdoor conditions without efficiency loss
- Low power consumption
- Auto restart
- 24-hour programming

Silver (standard)*



Mirror



Rosso Barchetta



Canna Di Fucile Met.



Rosato



Rainorange



Azzuratto



Green Effect



Grigio Titanium Effect



Pearl White

WALL MOUNTED UNITS ULTRA THIN SERIES



PANEL

- PO1 - ROSSO BARCHETTA
- PO2 - GRIGIO TITANIUM EFFECT
- PO3 - CANNA DI FUCILE MET.
- PO4 - GREEN EFFECT
- PO5 - PEARL WHITE
- PO6 - RAINORANGE
- PO7 - AZZURATTO
- PO8 - ROSATO
- PO9 - MIRROR



All wall mounted units include remote control with LCD as standard

		DC INVERTER			
MODEL		XI-09/XO-09	XI-12/XO-12	XVI-09/XVO-09	XVI-12/XVO-12
Cooling Capacity (Btu/h)		9,000	12,000	9,000(1,228-11,000)	12,000(1,331-14,000)
Heating Capacity (Btu/h)		10,000	13,000	10,236(1,228-13,000)	13,648(1,331-15,000)
Voltage/ Frequency / Phase		230V/1PH/50Hz	230V/1PH/50Hz	230V/1PH/50Hz	230V/1PH/50Hz
Rated Current Cooling / Heating (A)		3.24/3.66	4.69/4.80	6.0/6.2	7.0/7.2
Power Input Cooling / Heating (W)		768/840	1,079/1,103	772/888	1,095/1,137
EER for Cooling (W/W)		3.43	3.26	3.42	3.21
COP for Heating (W/W)		3.49	3.45	3.38	3.52
Energy Class Cooling / Heating		A/B	A/B	A/C	A/B
LRA (A)		17	24	33	33
Air Circulation (CMH Max)		450	500	450	500
Noise level (dB (A))	Indoor unit				
	High	38	40	38	40
Noise level (dB (A))	Indoor unit				
	Low	32	34	32	34
Noise level (dB (A))	Outdoor unit				
		53	54	53	54
Compressor Type		Rotary	Rotary	Rotary	Rotary
Liquid line		1/4"	1/4"	1/4"	1/4"
Gas line		3/8"	1/2"	3/8"	1/2"
Dimensions WxHxD (mm)	Indoor	1,005X290X150	1,005X290X150	1,005X290X150	1,005X290X150
	Outdoor	848X540X320	848X540X320	848X540X320	848X540X320
Net weight (kg)	Indoor	11	11	11	11
	Outdoor	36	36	40	40
Refrigerant		R410A/1,350g	R410A/1,400g	R410A/1,200g	R410A/1,270g



* 9 colors (optional) for the Ultra Thin panels additional to the standard one (silver)

RFI/RFO-30,50,66

- LCD display and wireless remote control
- Sanyo Scroll compressor
- Plug-in electric heater
- Auto error diagnosis
- Auto restart
- Vertical auto swing louver
- High/low pressure switch, phase protector and overload protection
- Sensors for high and low pressure protection
- Low power consumption
- High air flow

V1RFI/V1RFO-30,50

- Energy class A/A
- Advanced DC Inverter technology for high efficiency in extreme outdoor conditions
- Ultra quiet operation
- Auto error diagnosis
- Humidity indication
- LCD display and wireless remote control
- Activation and deactivation of the display on demand
- keypad lock on user's demand
- Turbo function – the desired temperature is reached at minimum time
- Auto Clean Function in cooling mode–protects the inner parts of the unit from mold and odors
- Hot Start operation: the indoor coil sensor controls the indoor fan and prevents cold air during start up in heating mode
- Auto restart
- Vertical and horizontal auto swing louver
- 24-hour programming
- Ideal indoor environment with auto mode function
- Steady operation in extreme outdoor conditions without efficiency loss
- Low power consumption
- High air flow
- Available in red and silver mirror panel

RFI-30



RFI-50



RFI-66



NEW MODEL

FLOOR STANDING UNITS



DC INVERTER

V1RFI



NEW MODELS

MODEL (Indoor + Outdoor)	RFI-30 / RFO-30	RFI-50 / RFO-50	RFI-66/RFO-66	V1RFI-30/V1RFO-30	V1RFI-50/V1RFO-50
Cooling Capacity (Btu/h)	24000	48000	60000	24000 (8.500-28.500)	42000 (21000 - 46.000)
Heating Capacity (Btu/h)	28.000+7165	49.000+11.942	66.000 + 11.942	26.850 (5.500-32.000)	48.000 (22.000-52.000)
Voltage/ Frequency / Phase	230/50/1	380/50/3	380/50/3	230/50/1	380/50/3
Rated Current Cooling / Heating (A)	16.5/12	75/74	121/120	10.0/10.0	6.8/7.3
Power Input Cooling / Heating (W)	2.650/2.600	4.800/4.700	7.006/6.240	2.191/2.180	3.800/3.850
EER (W/W)/COP (W/W)	2.65/3.16	2.93/3.06	2.51 / 3.10	3.21/ 3.61	3.24 / 3.65
Air Circulation (m³/h)	900	1600	2000	1100	1850
Speeds	3	3	3	4	4
Noise level (db(A)) Indoor / Outdoor	52/56	55/61	58/63	44/56	47/58
Power Supply Wire Outdoor (Noxmm²)	no	5x4	5x4	3x4	5x4
Fuses (A)	no	3x20	3x25	1x25	3x20
Power Supply Wire Indoor (Noxmm²)	3x4 / 1x25	no	5x25 / 3x16	no	no
Signal Wires	2x1 & 4x15 & 4x25	4x1 & 5x15 & 5x25	4x1 / 6x15	4x25	4x25
Dimensions WxHxD (mm)	Indoor	1750 x 500x 300	1790 x 540 x 380	1790x540x320	1865x580x400
	Outdoor	950 x 700 x 412	1.250x950x412	1.250x950x412	1.250x950x412
Net Weight (kg) Indoor / Outdoor	43 / 65	58 / 112	60/115	52/65	65/112
Liquid line / Gas line	3/8" / 5/8"	1/2" / 3/4"	1/2" / 3/4"	1/4" / 5/8"	1/2" / 3/4"
Refrigerant	R410A/2.400g	R410A/3.800g	R410A/5.000g	R410A/1.950g	R410A/4.000g





IKI, VKI

- Elegant design
- Quiet operation
- Centralized control; up to 16 modules (optional)
- Auto restart
- 24-hour programming
- LCD wired and wireless remote control
- Auto swing louver
- Outdoor temperature indication
- After power failure the unit restarts in the conditions that the user has selected
- Low power consumption
- Auto error diagnosis

IKI/ULS,ULT

- Hitachi rotary compressor (ULS-12,ULS-18, ULS-24)
- Daikin scroll compressor (ULT-50)
- High/low pressure switch, phase protector and overload protection
- Sensors for high and low pressure protection

VKI/URS,URT

- Energy class A/A (VKI-26+URS-24, VKI-45+URS-45)
- VKI-50+URT-50, soon with energy class A/A
- Advanced DC Inverter technology for high efficiency in extreme outdoor conditions
- Mitsubishi DC Inverter Scroll compressor
- Steady operation in extreme outdoor conditions without efficiency loss
- Low power consumption
- Quiet operation
- Ideal indoor environment with auto mode function

FLOOR STANDING UNITS



IKI, VKI

NEW MODELS



MODEL (Indoor + Outdoor)	IKI-12 + ULS-12	IKI-18 + ULS-18	IKI-24 + ULS-24	IKI-50+ULT-50	VKI-26 + URS-24	VKI-45+URS-45	VKI-50+URT-50
Cooling Capacity (Btu/h)	12795	18476	25167	48532	6824-24000	11942-42000	18766-48000
Heating Capacity (Btu/h)	12392	21438	27709	57823	6824-28000	11942-50000	17060-56000
Voltage/ Frequency / Phase	230/50/1	230/50/1	230/50/1	380/50/3	230/50/1	230/50/1	380/50/3
Rated Current Cooling / Heating (A)	54/5.05	93/9.5	118/11.7	11/10.5	112/11.9	247/24.8	106/9.9
Power Input Cooling / Heating (W)	1133/1068	1969/2014	2663/2431	5249/5105	2158 / 2148	3823 / 4059	5700 / 4600
EER (W/W) / COP (W/W)	3.31 / 3.4	2.75/3.12	2.77 / 3.34	2.71 / 3.32	3.26 / 3.82	3.22 / 3.61	2.47 / 3.57
Air Circulation (m³/h)	550	700	1170	2100	1170	2200	2300
Speeds	3	3	3	3	3	3	3
Noise level (db(A)) Indoor / Outdoor	46/56	50/56	50/59	58/63	50/59	49/63	58/63
Power Supply Wire Outdoor (Noxmm²)	3x 2.5**	3x 2.5**	3x 2.5**	5x 4**	3x2.5	3x6	5x2.5
Fuses (A)	1x16	1x16	1x16	3x20	1x20	1x32	3x20
Power Supply Wire Indoor (Noxmm²)	3x1.5	3x1.5	3x1.5	3x1.5	3x2.5 / 1x16	3x2.5 / 1x16	3x2.5 / 1x16
Signal Wires	2 x 1*	2 x 1*	2 x 1*	2 x 1*	2 x 1	2 x 1	2 x 1
Dimensions WxHxD (mm)	Indoor	695/836/238	695/836/238	600x1300x188	695x1590x238	600x1300x188	695x1590x238
	Outdoor	540/848/320	540/848/320	700x1018x412	1250x950x412	685x846x300	1250x950x412
Net Weight (kg) Indoor / Outdoor	27/32	27/40	32/59	42/112	32/59	42/128	42/128
Liquid line / Gas line	1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"	1/2" / 3/4"	3/8" / 5/8"	1/2" / 3/4"	1/2" / 3/4"
Refrigerant	R410A/1000g	R410A/1500g	R410A/2.200g	R410A/3.800g	R410A/2.000g	R410A/4.000g	R410A/4.000g

(*) stranded wire

(**) 15m wire length



- Low height; from 23 to 32cm
- Overflow pump indicator
- Auto swing louver
- 4-way airflow
- 24-hour programming
- Auto restart
- Easy removable and washable panel
- Quiet operation
- LCD wired and wireless remote control
- Auto error diagnosis
- Indoor room sensor at the air intake of the indoor unit and inside the controller (user can select one of the two indoor sensors)
- Centralized control; up to 16 modules (optional)
- Wired controller with weekly timer (optional)
- Outdoor temperature indication
- After power failure the unit restarts in the conditions that the user has selected

ICI/ULS,ULT

- High/low pressure switch, phase protector and overload protection
- Sensors for high and low pressure protection
- Hitachi rotary compressor (ULS-18, ULS-24)
- Sanyo scroll compressor (ULS-36, ULT-36)
- Daikin scroll compressor (ULT-50)
- Ideal indoor environment with auto mode function

VCI/URS,URT

- Energy class A/A (VCI-26+URS-24, VCI-45+URS-45)
- VCI-50+URT-50, soon with energy class A/A
- Advanced DC Inverter technology for high efficiency in extreme outdoor conditions
- Mitsubishi DC Inverter Scroll compressor
- Advanced DC Inverter technology: automatic control of cooling or heating according to indoor temperature resulting in maximum performance with minimum energy consumption
- Low power consumption
- Quiet operation

4-WAY CASSETTE UNITS

U-MATCH



ICI
VCI



NEW MODELS

MODEL (Indoor + Outdoor)	ICI-18 + ULS-18	ICI-24+ULS-24	ICI-36 + ULS-36	ICI-36 + ULT-36	ICI-50+ULT-50	VCI-26+URS-24	VCI-45 + URS-45	VCI-50+URT-50
Cooling Capacity (Btu/h)	17558	23744	34782	34714	49051	6824-24.000	11942-42.000	18766-48.000
Heating Capacity (Btu/h)	18.827	26.071	39.702	40.094	56.916	6.824-28.000	11.942-50.000	17.060-56.000
Voltage/ Frequency / Phase	230/50/1	230/50/1	230/50/1	380/50/3	380/50/3	230/50/1	230/50/1	380/50/3
Rated Current Cooling / Heating (A)	9/8.7	11.9/11.4	20/18	6.7 / 5.7	10.5/11.3	11.2/11.9	24.7/24.8	10.6/9.9
Power Input Cooling / Heating (W)	1.913/1.845	2.503/2.254	3.982/3.537	3.582 / 3.150	5.098/5.398	2.191 / 2.057	3.832 / 4.059	5.700 / 4.600
EER (W/W)/COP (W/W)	2.69/2.99	2.78/3.39	2.56/3.29	2.84/3.73	2.82/3.09	3.21/3.99	3.22/3.61	2.47/3.57
Air Circulation (m³/h)	600	1180	1600	1600	1700	1180	1860	2000
Speeds	3	3	3	3	3	3	3	3
Noise level (db(A)) Indoor / Outdoor	47/56	47/59	53/60	53/60	53/63	47/59	53/63	55/63
Power Supply Wire Outdoor (Noxmm²)	3x 2.5**	3x 2.5**	3x 6**	5x 4**	5x 4**	3x2.5	3x6	5x2.5
Fuses (A)	1x16	1x16	1x32	3x20	3x20	1x20	1x32	3x20
Power Supply Wire Indoor (Noxmm²)	3x1.5	3x1.5	3x1.5	3x1.5	3x1.5	3x2.5 / 1x16	3x2.5 / 1x16	3x2.5 / 1x16
Signal Wires	2x1*	2x1*	2x1*	2x1*	2x1*	2x1	2x1	2x1
Dimensions WxHxD (mm)	Panel	50x650x650	60x950x950	60x950x950	60x950x950	60x950x950	60x950x950	60x950x950
	Indoor	230x600x600	260x840x840	320x840x840	320x840x840	320x840x840	240x840x840	320x840x840
	Outdoor	848x540x320	700x1018x412	1018x840x412	1018x840x412	1250x950x412	685x846x300	1250x950x412
Net Weight (kg) Indoor / Outdoor	20/40	30/59	38/90	38/90	38/112	30/59	38/128	38/128
Liquid line / Gas line	1/4" / 1/2"	3/8" / 5/8"	1/2" / 3/4"	1/2" / 3/4"	1/2" / 3/4"	3/8" / 5/8"	1/2" / 3/4"	1/2" / 3/4"
Refrigerant	R410A/1500g	R410A/2.200g	R410A/3.200g	R410A/3.200g	R410A/3.800g	R410A/2.000g	R410A/4.000g	R410A/4.000g

(*) stranded wire

(**) 15m wire length



B5BX



T4BX



- Quiet operation
- Low power consumption
- Digital wired control using touch pad and LCD display (H2TB-100,HTB-120)
- Wireless remote control (HTB120,H2TB-100)
- Centralized control; up to 16 modules with weekly timer (HTB120,H2TB-100)
- High static pressure and big air flow (HTB100 -180Pa, HTB120-H2TB100180-250Pa)
- Belt driven indoor fan (HTBI-120,H2TBI-100)
- Fan speed controller included for static pressure and air flow adjustment (HTB-100)
- Auto error diagnosis (H2TB-100,HTB-120)
- Plug-in electric heater kits (5-15KW)
- Multi positioned: horizontal, vertical, up flow, down flow B5BX
- Liquid line filter drier T4BX
- Heavy gauge galvanized steel with corrosion resistant electrostatic paint
- Adjustable time defrost operation T4BX,TSX
- Copeland Scroll compressor T4BX
- Sanyo scroll compressor TSX
- Danfoss scroll compressor (H2TB-100,HTB-120)

DUCTED SPLIT SYSTEMS

HTBO-120



HTBI-120



NEW MODELS

MODEL (Indoor + Outdoor)	B5BX60 + TSX 61	B5BX60 + T4BX60	HTBI-100 + HTBO-100	H2TBI-100+H2TBO-100	HTBI-120 + HTBO-120	
Cooling Capacity (Btu/h)	54000	54000	86000	83597	110000	
Heating Capacity (Btu/h)	55000	54000	96500	93834	120000	
Voltage/ Frequency / Phase	380 / 50 / 3	380 / 50 / 3	380 / 50 / 3	380 / 50 / 3	380 / 50 / 3	
Rated Current Cooling / Heating (A)	106	117	19/18.4	19.2/17.7	27/23	
Power Input Cooling / Heating (W)	6.850/5000	6.850/5000	11000/10500	9800 / 9000	11000/9000	
EER (W/W) / COP (W/W)	2.31/3.22	2.31/3.16	2.27/2.67	2.5/3.06	2.93/3.91	
Air Circulation (m³/h)	3740	3740	4500	4800	5500	
Number of fans (indoor)	1	1	2	1	2	
Net Static Pressure (Pa)	150	150	180	110 (30 - 250)	180	
Speeds	3	3	3	belt driven	belt driven	
Noise level (db(A)) Indoor / Outdoor	50/61	50/65	54/56	54/66	57/67	
Number of Compressors / Fans	1/1	1/1	1/1	1/2	1/1	
Power Supply Wire Outdoor (Noxmm²)	5x4	5x4	5x6	5x6	5x6	
Fuses (A)	3x25	3x25	3x32	3x32	3x35	
Power Supply Wire Indoor (Noxmm²)	no	3x1.5	no	5x2.5	5x2.5	
Fuses (A)	no	1x10	no	3x16	3x16	
Signal Wires	6x1.5 & 3x1.5	6x1.5	4x2.5	2x1"	2x1"	
Dimensions WxHxD (mm)	Indoor	1257x502x559	1257x502x559	360x1570x840	500x1000x1500	500x1500x1000
	Outdoor	1230x930x380	678x775x775	1750x1000x750	1600x360x1150	2000x1162x980
Net Weight (kg) Indoor / Outdoor	66/110	66/92	92/161	150 / 185	170/250	
Liquid Line / Gas Line	3/8" / 7/8"	3/8" / 7/8"	12.7/28.58	3/8"/1"	12.7/28.58	
Refrigerant	R407C / 4.200g	R410A / 3.300g	R407C / 8.500g	R410A / 6.700g	R410A / 9.500g	

(*) stranded wire



- Compact size for easy installation above fake ceiling
- LCD wired control and wireless remote control
- Centralized control; up to 16 modules with weekly timer
- 4 speed operation +Auto
- Indoor fan stops operating during defrost mode
- Hot Start operation: the indoor coil sensor controls the indoor fan and prevents cold air during start up in heating mode
- Condensate drainpipe in right or left side
- Auto error diagnosis
- Indoor room sensor at the air intake of the indoor unit and inside the controller (user can select one of the two indoor sensors)
- Outdoor temperature indication
- After power failure the unit restarts in the conditions that the user has selected
- Fresh air valve can be defined from the wire-controller (optional)
- Low energy consumption
- Ideal indoor environment with auto mode function
- 24-hour programming

IDI/ULS,ULT

- 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

VDI/URS,URT

- Energy class A/A (VDI-24 + URS-24, VDI-45+ URS-45)
- VDI-50+URT-50, VDI-60+URT-60 soon with energy class A/A
- Advanced DC Inverter technology for high efficiency in extreme outdoor conditions
- Mitsubishi DC Inverter Scroll compressor
- Low power consumption and higher efficiency due to New Defrost function
- Quiet operation
- Catechin Filter – eliminates house dust and 95% of microbes

DUCTED SPLIT SYSTEMS

U-MATCH



**IDI
VDI**

MODEL (Indoor + Outdoor)	R407C		NEW MODELS				R410A		DC INVERTER		SOON WITH ENERGY CLASS A	
	NDI + NDO 60	IDI-24+ULS-24	IDI-36 + ULS-36	IDI-36 + ULT-36	IDI-50+ULT-50	IDI-60+ULT-60	VDI-24+URS-24	VDI-45 + URS-45	VDI-50+URT-50	VDI-60+URT-60		
Cooling Capacity (Btu/h)	60.000	26.034	33.956	33.738	49.559	60.000	6.824-24.000	11.942-42.000	18.766-48.000	16.105-60.000		
Heating Capacity (Btu/h)	62.000+12.283	29.254	43.442	40.722	55.513	66.000	6.824-28.000	11.942-50.000	17.060-56.000	16.105-62.000		
Voltage/ Frequency / Phase	380/50/3	230/50/1	230/50/1	380/50/3	380/50/3	380/50/3	230/50/1	230/50/1	380/50/3	380/50/3		
Rated Current Cooling / Heating (A)	105/10.9	121/11.4	22/19	70/6.3	10.5/9.8	118/10	112/11.9	247/24.8	10.6/9.9	15.2/11.8		
Power Input Cooling / Heating (W)	5.900/6.000	2.649/2.286	4.235/3.586	3.955/3.200	5.321/4.842	61.92/4.960	2.112/2.224	3.823/4.048	5.700/4.600	6.100/5.500		
EER (W/W) / COP (W/W)	2.98/3.03	2.88/3.75	2.35/3.55	2.5/3.73	2.73/3.36	2.84/3.90	3.33/3.69	3.22/3.62	2.47/3.57	2.88/3.4		
Air Circulation (m³/h)	2500	1400	2000	2000	2300	2500	1400	2000	2400	2700		
Net Static Pressure (Pa)	120	80	150	150	150	150	80	150	150	150		
Speeds	3	4	4	4	4	4	3	3	3	3		
Noise level (db(A)) Indoor / Outdoor	53/64	44/59	50/60	50/60	50/63	53/64	44/59	48/63	48/63	48/64		
Power Supply Wire Outdoor (Noxmm²)	5x4	3x2.5**	3x6**	5x4**	5x4**	5x4**	3x2.5	3x6	5x2.5	5x4		
Fuses (A)	3x25	1x16	1x32	3x20	3x20	3x20	1x20	1x32	3x20	3x25		
Power Supply Wire Indoor (Noxmm²)	5x2.5 / 3x16	3x1.5	3x1.5	3x1.5	3x1.5	3x1.5	3x2.5 / 1x16	3x2.5 / 1x16	3x2.5 / 1x16	3x2.5 / 1x16		
Signal Wires	2 x 1*	2 x 1*	2 x 1*	2 x 1*	2 x 1*	2 x 1*	2 x 1	2 x 1	2 x 1	2 x 1		
Dimensions WxHxD (mm)	Indoor	370x1463x756	268/1270/504	290/1251/744	290/1251/744	290/1251/744	330x1251x788	268x1270x504	290x1251x744	290x1251x744	330x1251x788	
	Outdoor	1250x950x412	700x1018x412	1018x840x412	1018x840x412	1250x950x412	1250x950x412	685x846x300	1250x950x412	1250x950x412	1250x950x412	
Net Weight (kg) Indoor / Outdoor	95/123	37/59	57/90	57/90	57/112	66/123	37/59	57/128	57/128	66/138		
Liquid Line / Gas Line	1/2" / 7/8"	3/8" / 5/8"	1/2" / 3/4"	1/2" / 3/4"	1/2" / 3/4"	1/2" / 3/4"	3/8" / 5/8"	1/2" / 3/4"	1/2" / 3/4"	1/2" / 3/4"		
Refrigerant	R407C 5.000g	R410A/2.200g	R410A/3.200g	R410A/3.200g	R410A/3.800g	R410A/5.000g	R410A/2.000g	R410A/4.000g	R410A/4.000g	R410A/4.300g		

(*) stranded wire

(**) 15m wire length





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