FINTEK

REDESIGN YOUR FEELINGS

Split air-conditioners with concealed external unit

MADE IN ITALY

7 ADVANTAGES

INVISIBILITY: BOTH SOLUTIONS DO NOT REQUIRE THE USE OF TRADITIONAL ANTI-AESTHETIC EXTERNAL UNITS

QUIET OPERATION: ONLY 19DB IN THE ENVIRONMENT

FLEXIBILITY: THE INTERNAL UNIT CAN BE POSITIONED ANYWHERE SEPARATELY FROM ITS CONDENSING UNIT, WHICH IN TURN CAN BE POSITIONED IN THE ENVIRONMENT IN A TECHNICAL ROOM OR HIDDEN FROM VIEW.

EASE OF POSITIONING: UNLIKE MONOBLOCKS, THERE IS NO NEED TO HAVE A PERIMETER WALL.

MODULARITY: COMMERCIAL VERSION WITH SINGLE, DUAL, OR TRIPLE CONTROL PANELS

MADE IN ITALY FULLY MANUFACTURED, DESIGNED, AND ASSEMBLED IN ITALY

WARRANTY: MULTI-YEAR

CONSTRUCTION: HIGH QUALITY COMPONENTS FOR PERFORMANCE RANGING FROM CLASS A++ TO A +++ AND FRAME IN AISI 316 STAINLESS STEEL AGAINST CORROSION. 10-YEAR WARRANTY

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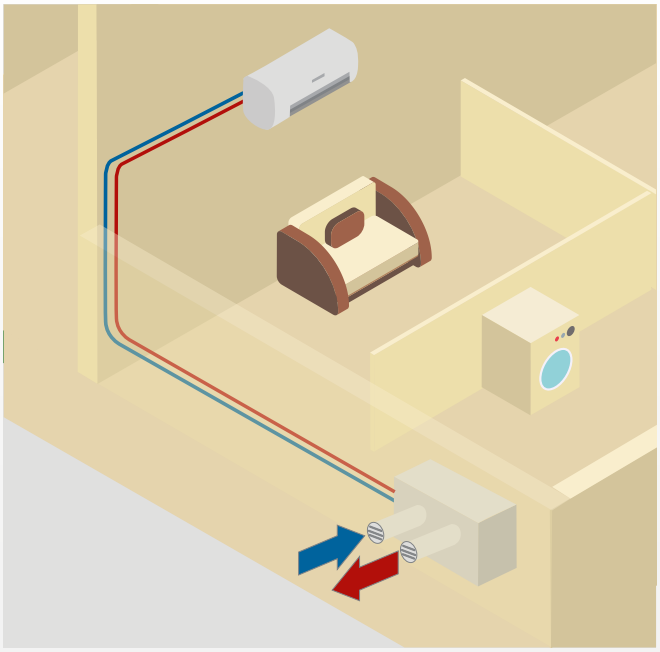
We air-condition every environment:
homes, shops, restaurants, bars, and hotels.

SPLIT INVERTER WITH EXTERNAL CONCEALABLE UNIT



To be or not to be is no longer a dilemma

The concealable external unit can be positioned in the **attic**, in a **closet** or in a **garage**, thus completely disappearing from view.

A system such as this can be used not only for residential installations, but also for shops, offices and where building code restrictions apply.

Classe A++ All air conditioners in this catalog are rated **Class A and class A++ for heating and cooling**

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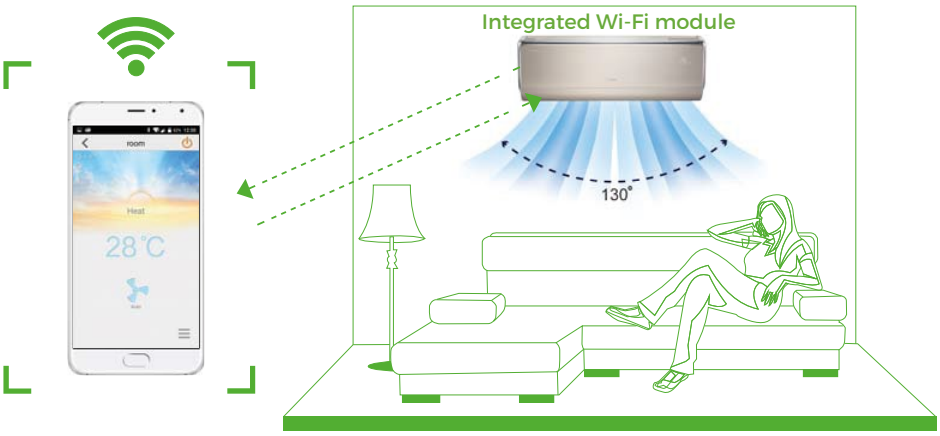
By installing the G+ App on your smartphone you will be able to remotely control all the parameters of of the air conditioning unit.

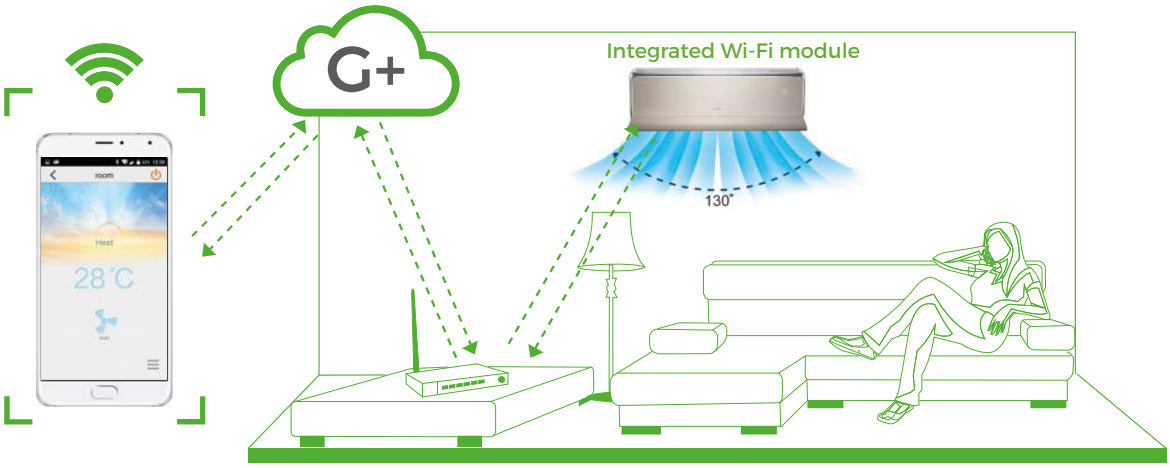
NEW GENERATION WIFI CONTROL

DIRECT MODE



The smartphone can be connected directly to the air conditioning unit via Wi-Fi Direct technology without using a router. This solution can be selected at home for short distance control.

REMOTE CONTROL



Using your home-Internet to connect to the “G+ Cloud Platform” you can control the air conditioning unit even when you are not at home; just connect to the “Cloud Platform” from the G+ App.

ENERGY SAVINGS

Ultra low frequency torque control.
Constant temperature
Energy saving

R 32 ecological cooler
Do not damage the ozone layer - High efficiency

Automatic frequency adjustment (from 150 to 260V)
More stability - Less faults

High Speed DSP Chip
Accurate Calculation
Efficient Operation

Ultra-low noise control
Quiet operation
Comfort

High reliability
Excellent quality
Superior performance

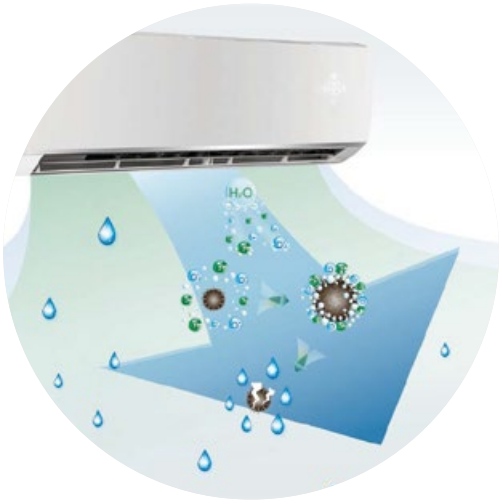
Accurate, wide frequency control
Continuous operation
Accurate control

Verifications with computer simulation
Less fluctuations Lower sound level

Special coolant control system
Fast cooling
Fast heating

Power factor correction technology
High efficiency
Better operation

AIR QUALITY



COLD PLASMA AIR PURIFICATION SYSTEM

It guarantees effective air sterilization and, if treated with AEMINA by FINTEK, it eliminates **99% of bacteria.**

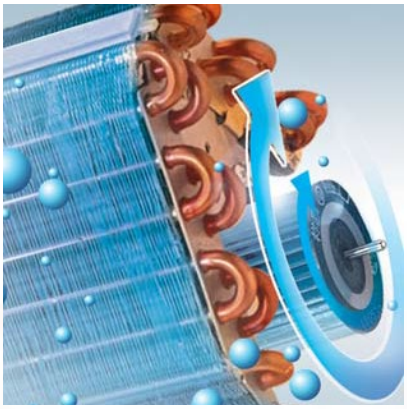
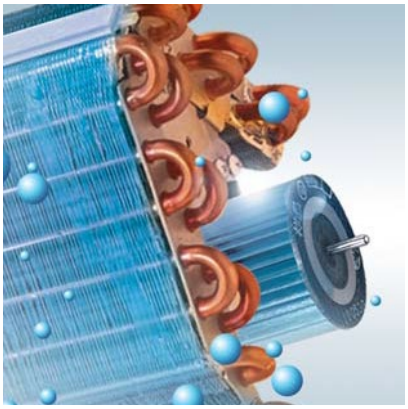
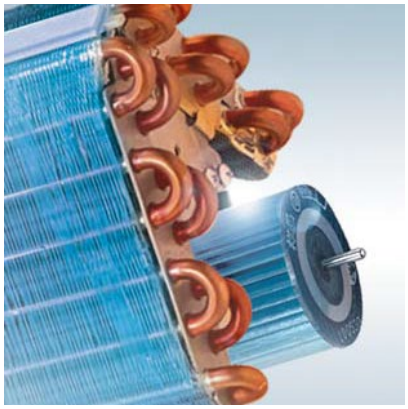
It removes odors

It improves air quality by increasing the presence of negative ions.

FINTEK
REDESIGN YOUR FEELINGS

“X-FAN” SELF-SANITATION SYSTEM

The fan will run for a few minutes after the internal unit has been turned off so as to fully dry the battery and prevent the formation of molds.

COMFORT

OPERATION WITH LOW OUTDOOR TEMPERATURE

Cooling up to -15˚C

The ability to operate up to -15˚ C guarantees high product reliability: when the outdoor temperature changes, the compressor frequency and fan speed are adjusted accordingly.

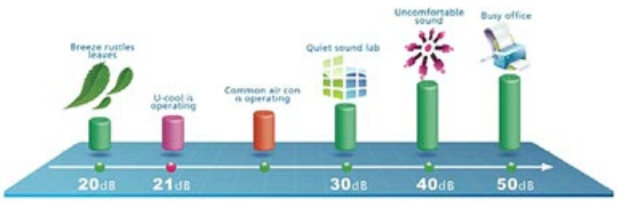
Heating up to 15˚C

The ability to operate up to 15˚ C in warm temperature is supported by the preheating technology and the high frequency adjustment of the compressor

PREVENTION OF COLD AIR INTAKE INTO THE ENVIRONMENT

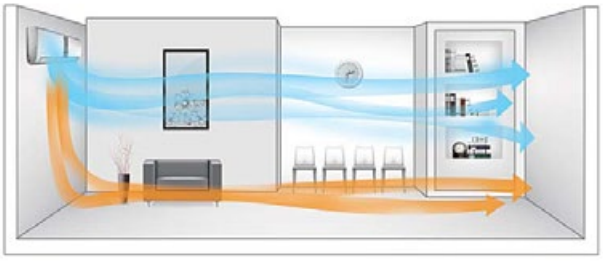
During heat pump operation, the preheating function of the copper pipes ensures that the air is only conveyed into the environment after reaching a minimum comfortable temperature so as to prevent unpleasant flows of cold air.

LOW NOISE LEVEL



The use of very quiet fans and the special design of the internal units made it possible to achieve sound pressure levels of the internal units - meaning noise perceived by the human ear - close to 21dB(A), similar to the rustle of leaves when there is a light breeze. Particular attention is also paid to the use of high-efficiency fans and the high soundproofing of the compressor, which also result in the quiet operation of the external units.

TURBO FUNCTION



Maximum comfort both during cooling and heating is guaranteed by the turbo function: in fact, a very powerful flow of air horizontal to the ceiling is obtained when the latter is cold and downwards when it is hot, so as to reach the desired comfort in a few minutes.

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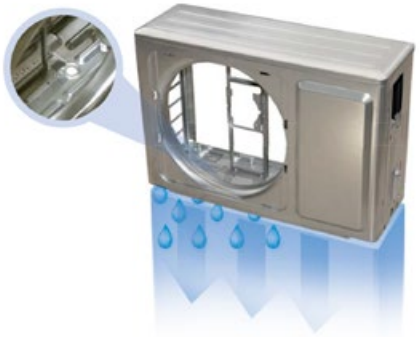
RELIABILITY

The use of high-quality components, the particular attention paid to insulation and the sturdiness of the housing represent a guarantee of extended life and long lasting life even in difficult climatic conditions. In fact, the housing of the unit is subjected to an anti-rust treatment that makes it capable of withstanding maritime climates for several years.



DESIGNED WITH HIGH DRAINAGE CAPACITY

The high drainage capacity of the frame prevents the formation of ice in the most severe climates.

Anti-corrosion AISI 316 stainless steel

CONDENSATION TANK BEST DESIGN

Condensation water flows easily and does not freeze in the tank. This also improves heating efficiency when in operation with low outdoor temperature.

BLUE HEAT EXCHANGER FINS

They improve heating efficiency by accelerating the defrosting process; they remain unchanged in maritime climates, with rain or other corrosive elements.

HIGH TEMPERATURE RESISTANT PCB

In the inverter unit, the printed circuit board can work well even at temperatures exceeding 85°C: the metal housing is also fireproof.

PROTECTION IN CASE OF COOLANT LEAKS

When the coolant is insufficient, and the expansion valve is blocked, the display of the internal unit shows the FO error message and the unit stops operating. This function protects the entire unit, especially the compressor, from damage due to high temperatures caused by coolant leaks.

COMPACT EVAPORATOR

The unit compact design minimizes the size of the internal unit, significantly improving its heat exchange efficiency.

DOUBLE SIDE FOR CONDENSATION DRAINAGE OUTLET

The condensation drainage outlet can be positioned either on the right or on the left side, providing maximum installation flexibility.

FIREPROOF ELECTRICAL BOX

It is enclosed in a sealed metal box to prevent the risk of fire in the event of a short circuit.

SELF DIAGNOSIS FOR EASY MAINTENANCE

The unit display can show an error code in the event of a malfunction, facilitating troubleshooting.

MILANO MODEL WALL MOUNTED

Single split Inverter

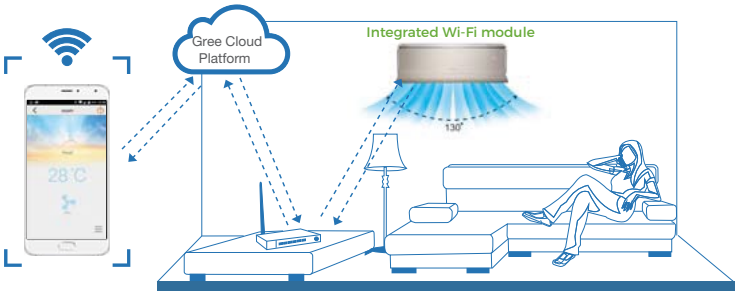
The single split air-conditioner with concealed external unit installation

The Milano air conditioner unit with single split inverter allows the air-conditioning of home environments up to 100 cubic meters without affecting the aesthetic appearance of the building. In fact, the condensing unit is installed inside the building, in any space available.
The unit is connected using 2 rigid or flexible ducts that allow it to draw and discharge air from the outside. Usually, it is connected to the internal unit like any other air conditioner. Inside, you will be able to enjoy its power and comfort using its modern operating modes such as heating, air conditioning, ventilation and dehumidification.
Thanks to its infrared remote control, you can set all the configurations and program the functions over the course of 24 hours Very quiet and with the possibility to direct the air flow.

Heat pump
It is installed by drilling two holes
Programmable remote control
It does not affect the aesthetics of the building
Ideal for historical downtowns, offices and shops - Active filtering action

INVERTER
Consumes less energy, more comfort
G+
R32

REMOTE WI-FI



Class

A++ COOLING

A+ HEATING

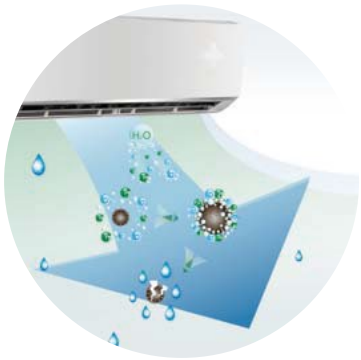
65% CALCULATION TAX

CREDIT THERMAL

WIFI

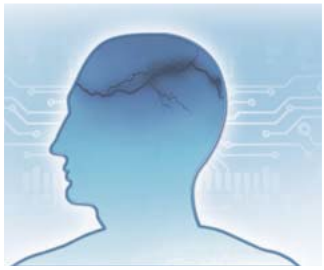
The sensor integrated in the remote perceives the surrounding temperature and conveys the signal to the internal unit. In this manner, the internal unit can adjust the volume and temperature of the air flow to ensure maximum comfort.

COLD PLASMA
AIR PURIFICATION SYSTEM



- Removes odors
- Improves air quality by increasing the presence of negative ions

INTELLIGENT AUTO RESTART



After a blackout the unit restarts automatically when the electrical service is restored, keeping in memory the latest settings.

LOW START-UP POWER CONSUMPTION (SOFT START)

Energy consumption at start-up is reduced as much as possible not to interfere with the use of other home appliances.

MODE COMFORT SLEEP
PREVENTION COLD AIR
LED
TIMER
DEFROST SMART
X-FAN
FUNCTION "TURBO"
SELF-DIAGNOSTIC
DE-HUMIDIFICATION
AUTO RESTART MEMORY
SINGLE&MULTI COMPATIBLE
MIN. TEMP. HOT
MIN. TEMP. COLD
8°C HEATING
IFEEL
SAVINGS ENERGY
0,5W STANDBY
WI-FI CONTROL
COLD PLASMA
WIRED CONTROLLER (OPTIONAL)
DOOR CONTROL (OTPTIONAL)

TECHNICAL DATA

MODEL		MILANO 9		MILANO 12	
	Unit of measure	Cold	Heat	Cold	Heat
Refrigerating power (nominal-min.-max.) (EN14511)	kW	2,6/ 2,7 (0,5-3,35)	2,8 (0,5-3,5)	3,5 (0,8-3,7)	3,67 (0,9-3,8)
	BTU/h	9000	9000	12000	12000
EER/COP (EN14511)		3,23	3,71	3,23	3,71
Refrigerating power under design conditions (Pdesign c/ Pdesign h) (average climate/warmer/cooler)	kW	2,6	2,6/2,8/2,7	3,5	3,5/3,5/4,8
Seasonal efficiency (SEER /SCOP (average climate/warmer/cooler)		6,1	4,0/5,1/3,2	6,1	4,0/5,1/3,4
Energy class (average climate/warmer/cooler)		A++	A+/A+++/B	A++	A+/A+++/A
Seasonal energy consumption (average climate/warmer/cooler)	kWh/annum	149	910/769/1772	201	1225/961/2965
Air flow Internal Unit (sa.-a.m.-b.)	m^3/h	560-490-430-330		680-590-490-420	
Dehumidification	l/h	0,8		1,4	
Fan speed (Internal Unit /External Unit)	n°	4/2		4/2	
Sound pressure Internal Unit (sa.-a.-m.-b.)	dB(A)	37-35-32-26		42-38-34-31	
Sound pressure External Unit (a.)	dB(A)	52		53	
Sound pressure Internal Unit (sa.-a.-m.-b.)	dB(A)	55-52-44-38		57/52/48/45	
Sound power External Unit (a.)	dB(A)	61		62	
Power supply	V/Ph/Hz	230/1/50		230/1/50	
Drawn Power	kW	0,805	0,755	1,085	0,990
Compressor type		Rotary DC Inverter		Rotary DC Inverter	
Coolant type		R32		R32	
Coolant charge	kg/T.CO2 eq.	0,6/0,405		0,7/0,473	
Diameter of the liquid pipe	mm (")	6,35(1/4")		6,35(1/4")	
Diameter of the gas pipe	mm (")	9,52(3/8")		9,52(3/8")	
Min-max length of pipes with standard charge	m	3-5		3-5	
Min-max length of pipes with additional charge	m	19		20	
Additional gas charge	g/m	20		20	
Maximum height difference (external unit top)	m	10		10	
Maximum height difference (internal unit top)	m	10		10	
Net Dimensions Internal Unit (Height/Length/Width)	mm	275x790x200		289x845x209	
Net Dimensions External Unit (Height/Length/Width)	mm	850x550x400		850x550x400	
Net Weight Internal Unit/External Unit	Kg	9/38		10,5/40	

OPERATING LIMITS (External Temperature)
Cooling: from -15C to +43C
Heating: from -15C to +24C

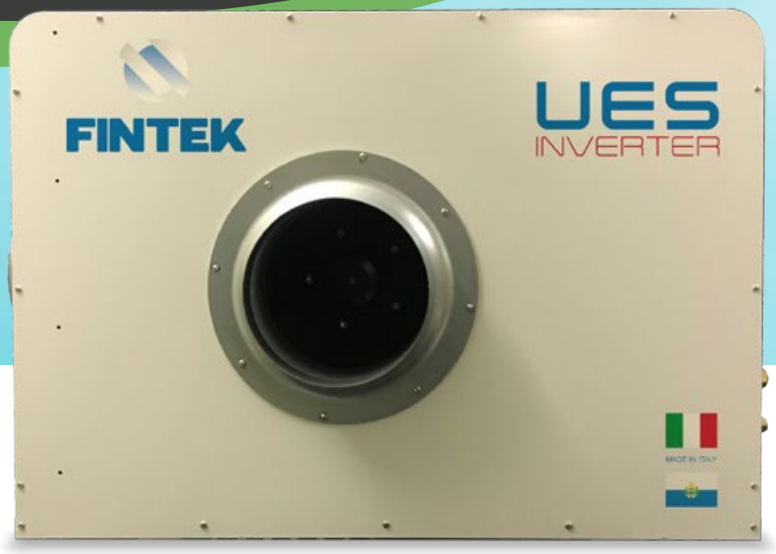
Data stated in compliance with the EU Regulations No. 206/2012, related to the eco-compatibility specifications of air conditioning units and fans and No. 626/2011, related to the labeling specifying the energy consumption of air conditioners and tested according to EN14825:2012 standard.

MODEL		MILANO 18		MILANO 24	
	Unit of measure	Cold	Heat	Cold	Heat
Refrigerating power (nominal-min.-max.) (EN14511)	kW	5,13 (1,2-6,2)	5,28 (1,2-6,6)	6,45 (2,0-8,2)	6,45 (2,0-8,5)
	BTU/h	18000	18000	24000	24000
EER/COP (EN14511)		3,25	3,72	3,30	3,71
Refrigerating power under design conditions (Pdesign c/ Pdesign h) (average climate/warmer/cooler)	kW	5,1	4,2/4,3/5,0	6,4	6,3/6,4/6,3
Seasonal efficiency (SEER /SCOP (average climate/warmer/cooler)		6,1	4,0/5,1/3,4	6,3	4,0/5,1/3,3
Energy class (average climate/warmer/cooler)		A++	A+/A+++/A	A++	A+/A+++/B
Seasonal energy consumption (average climate/warmer/cooler)	kWh/annum	293	1470/1180/3088	356	2205/1757/4009
Air flow Internal Unit (sa.-a.m.-b.)	m^3/h	800-720-610-520		1250-1050-950-850	
Dehumidification	l/h	1,8		2,0	
Fan speed (Internal Unit /External Unit)	n°	4/2		4/2	
Sound pressure Internal Unit (sa.-a.-m.-b.)	dB(A)	49-44-39-34		49-44-41-39	
Sound pressure External Unit (a.)	dB(A)	56		58	
Sound pressure Internal Unit (sa.-a.-m.-b.)	dB(A)	59-54-49-44		63-59-56-53	
Sound power External Unit (a.)	dB(A)	64		68	
Power supply	V/Ph/Hz	230/1/50		230/1/50	
Drawn Power	kW	1,58	1,42	1,95	1,735
Compressor type		Rotary DC Inverter		Rotary DC Inverter	
Coolant type		R32		R32	
Coolant charge	kg/T.CO2 eq.	0,9/0,608		1,7/1,148	
Diameter of the liquid pipe	mm (")	6,35(1/4")		6,35(1/4")	
Diameter of the gas pipe	mm (")	12,7(1/2")		15,88 (5/8")	
Min-max length of pipes with standard charge	m	3-5		3-5	
Min-max length of pipes with additional charge	m	25		25	
Additional gas charge	g/m	20		50	
Maximum height difference (external unit top)	m	10		10	
Maximum height difference (internal unit top)	m	10		10	
Net Dimensions Internal Unit (Height/Length/Width)	mm	300x970x224		325x1078x246	
Net Dimensions External Unit (Height/Length/Width)	mm	1050x600x400		1050x600x500	
Net Weight Internal Unit/External Unit	Kg	13,5/49		16,5/62,5	

OPERATING LIMITS (External Temperature)
Cooling: from -15C to +43C
Heating: from -15C to +24C

Data stated in compliance with the EU Regulations No. 206/2012, related to the eco-compatibility specifications of air conditioning units and fans and No. 626/2011, related to the labeling specifying the energy consumption of air conditioners and tested according to EN14825:2012 standard.

MULTI-SPLIT



CASSETTE

DUCT

FLOOR CEILING

CONSOLE

MILANO

FINTEK
REDESIGN YOUR FEELINGS

COMBINABLE INTERNAL UNITS

		Optional	7000	9000	12000	18000	24000
MILANO		XK19 XK76	●	●	●	●	●
BOXES		XK19 XK76			●	●	
CHANNELED		XK76		●	●	●	
FLOOR CEILING		XK19 XK76		●	●	●	
CONSOLE		XK76		●	●	●	

FLOOR/CEILING
PREVENTION COLD AIR
EASY MAINTENANCE
TIMER 24H
DEFROST SMART
GROOVING INTERNAL IN COPPER
FUNCTION "TURBO"
AUTO DIAGNOSI
HIGH EFFICIENCY
AUTO RESTART MEMORY
BLOCK

LOW POWER CONSUMPTION START-UP VOLTAGE
PROTECTION COMPLETE
WIDE INTERVAL OF VOLTAGE
WIDE RANGE ACTION
TIMER WEEKLY
CONTROL CENTRALIZED
MONITORING LONG DISTANCE
WIRED CONTROLLER (OPTIONAL)

MULTI-SPLIT TECHNICAL DATA

CONDENSING UNIT MODEL - DUAL SPLIT		MILANO 2-14		MILANO 2-18	
	Unit of measure	Cold	Heat	Cold	Heat
Refrigerating power (nominal-min.-max.) (EN14511)	kW	5,2 (2,14-5,8)	5,4 (2,58-5,92)	6,1 (2,2-7,33)	6,5 (3,61-8,5)
	BTU/h	17750	18430	23820	24180
EER/COP (EN14511)		3,59	4,15	3,51	4,06
Refrigerating power under design conditions (Pdesign c/ Pdesign h) (average clim ate)	kW	5,2	3,8	6,1	6,1
Seasonal efficiency (SEER /SCOP (average climate)		6,1	4,0	6,1	4,0
Energy Class		A++	A+	A++	A+
Seasonal energy consumption	kWh/annum	298	1330	350	2135
Min-max number of units that can be connected	no.	2		2-3	
Air flow	m^3/h	2600		3200	
Fan speed (Internal Unit External Unit)	n°	2		2	
Sound pressure External Unit	dB(A)	55		58	
Sound power External Unit	dB(A)	65		68	
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50	
Drawn Power	kW	1,45	1,30	1,74 (0,95-2,38)	1,60 (0,78-2,87)
Compressor type		Rotary DC Inverter		Rotary DC Inverter	
Coolant type/GWP		R32/675		R32/675	
Coolant charge	kg/T.CO2 eq.	1,05/0,709		1,6/1,080	
Diameter of the liquid pipe	mm (")	6,35(1/4")	9,52(3/8")	6,35(1/4")	9,52(3/8")
Diameter of the gas pipe	mm (")	200mm in / 160 mm out		200mm in / 160 mm out	
Min-max length of pipes with standard charge	m	3-10		3-30	
Min-max length of pipes with additional charge	m	20		60	
Maximum length of pipes per unit	m	10		20	
Additional gas charge	g/m	20		20	
Maximum height difference (external unit top)	m	5		10	
Maximum height difference (internal unit top)	m	5		10	
Net Dimensions External Unit (Height/Length/Width)	mm	980x615x390		980x615x390	
Net weight	Kg	54		55	

OPERATING LIMITS (External Temperature)
Cooling: from -15C to +43C
Heating: from -15C to +24C

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EXTERNAL UNIT MODEL - TRIAL SPLIT		MILANO 3-21		MILANO 4-28	
	Unit of measure	Cold	Heat	Cold	Heat
Refrigerating power (nominal-min.-max.) (EN14511)	kW	7,1(2,29-8,5)	8,5 (3,66-8,79)	8,0 (2,29-10,26)	9,50 (3,66-10,26)
	BTU/h	24230	29000	27300	31730
EER/COP (EN14511)		3,64	3,86	3,57	3,71
Refrigerating power under design conditions (Pdesign c/ Pdesign h) (average clim ate)	kW	7,1	6,1	8,0	7,2
Seasonal efficiency (SEER /SCOP (average climate)		6,1	4,0	6,1	4,0
Energy Class		A++	A+	A++	A+
Seasonal energy consumption	kWh/annum	407	2135	459	2520
Min-max number of units that can be connected	no.	2-3		2-4	
Air flow	m^3/h	4000		4000	
Fan speed (Internal Unit External Unit)	n°	2		2	
Sound pressure External Unit	dB(A)	58		58	
Sound power External Unit	dB(A)	68		68	
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50	
Drawn Power	kW	1,95 (1,10-2,87)	2,20 (0,98-2,87)	2,24 (1,3-3,58)	2,56 (1,0-2,87)
Compressor type		Rotary DC Inverter		Rotary DC Inverter	
Coolant type/GWP		R32/675		R32/675	
Coolant charge	kg/T.CO2 eq.	1,8/1,215		2,0/1,35	
Diameter of the liquid pipe	mm (")	6,35(1/4")	9,52(3/8")	6,35(1/4")	9,52(3/8")
Diameter of the gas pipe	mm (")	200mm in / 160 mm out		200mm in / 160 mm out	
Min-max length of pipes with standard charge	m	3-30		3-40	
Min-max length of pipes with additional charge	m	60		70	
Maximum length of pipes per unit	m	20		20	
Additional gas charge	g/m	20		20	
Maximum height difference (external unit top)	m	10		10	
Maximum height difference (internal unit top)	m	10		10	
Net Dimensions External Unit (Height/Length/Width)	mm	1100x900x500		1100x900x500	
Net weight	Kg	68		69	

OPERATING LIMITS (External Temperature)
Cooling: from -15C to +43C
Heating: from -15C to +24C

Data stated in compliance with the EU Regulations No. 206/2012, related to the eco-compatibility specifications of air conditioning units and fans and No. 626/2011, related to the labeling specifying the energy consumption of air conditioners and tested according to EN14825:2012 standard.

MULTI-SPLIT

	COMBINATIONS (minimum 2 internal units)	Nominal cooling power (KW)					Total cooling power (KW)			Total power drawn (KW)			Total current drawn (A) 230V			SEER (W/W)	Energy efficiency class
		Unit A	Unit B	Unit C	Unit D	Unit E	Min	Nom.	Max.	Min	Nom.	Max.	Min	Nom.	Max.	Milano	Milano
MCAS DUAL **MILANO 218**	7K+7K	2,25	2,25				2,05	4.50	4.80	0,55	1,25	1,56	2,4	5,5	6,9	6.10	A++
	7K+9K	2.00	2.50				2,05	4.50	4.80	0,55	1,25	1,56	2,4	5,5	6,9	6.10	A++
	7K+12K	2.00	3.20				2,15	5.20	5.80	0,56	1,45	1,56	2,5	6,4	6,9	6.10	A++
	9K+9K	2.60	2.60				2,05	5.20	5.80	0,55	1,45	1,56	2,4	6,4	6,9	6.10	A++
	9K+12K	2,35	2,05				2,15	5.40	5,85	0,56	1.50	1,56	2,5	6,4	6,9	6.10	A++
MCAS DUAL **MILANO 2-24**	7K+9K	2.10	2.60				2,05	4.70	5.60	0,95	1,30	2.00	4,2	5,8	###	6.10	A++
	7K+12K	2.10	3.10				2,15	5.20	6,25	0,95	1,46	2,05	4,2	6,5	9,1	6.10	A++
	7K+18K	1.80	4.20				2,15	6.00	6.60	0,95	1,28	2,15	4,2	5,7	9,5	6.10	A++
	9K+9K	2.60	2.60				2,05	5.20	6,25	0,95	1,46	2.00	4,2	6,5	###	6.10	A++
	9K+12K	2.40	3.20				2,15	5.60	6,45	0,95	1,33	2,05	4,2	5,9	9,1	6.10	A++
	12K+12K	3.00	3.00				2,15	6.00	6.60	0,95	1,28	2,15	4,2	5,7	9,5	6.10	A++
MCAS TRIAL **MILANO 3-24**	7K+12K	2,00	3,40				2,25	5.40	6,25	1,00	1,42	2,05	4,4	6,3	9,1	6,10	A++
	7K+18K	1,75	4,45				2,25	6.20	6,60	1,05	1,67	2,15	4,7	7,4	9,5	6,10	A++
	9K+9K	2,70	2,70				2,15	5.40	6,25	1,00	1,42	2,00	4,4	6,3	8,9	6,10	A++
	9K+12K	2,50	3,30				2,25	5.80	6,45	1,05	1,55	2,05	4,7	6,9	9,1	6,10	A++
	9K+18K	2,10	4,20				2,25	6.30	6,80	1,05	1,72	2,20	4,7	7,6	9,8	6,10	A++
	12K+12K	3,10	3,10				2,25	6.20	6,60	1,05	1,67	2,15	4,7	7,4	9,5	6,10	A++
	12K+18K	2,55	3,75				2,25	6.30	6,80	1,05	1,72	2,20	4,7	7,6	9,8	6,10	A++
	7K+7K+7K	2,30	2,30	2,30			2,30	7,00	8,50	1,10	1,92	2,87	4,9	8,5	12,7	6,10	A++
	7K+7K+9K	2,20	2,20	2,70			2,40	7,10	8,50	1,10	1,95	2,87	4,9	8,7	12,7	6,10	A++
	7K+7K+12K	1,95	1,95	3,30			2,40	7,20	8,50	1,10	1,95	2,87	4,9	8,7	12,7	6,10	A++
	7K+9K+9K	2,00	2,55	2,55			2,40	7,10	8,50	1,10	1,95	2,87	4,9	8,7	12,7	6,10	A++
	7K+9K+12K	1,80	2,30	3,10			2,40	7,20	8,50	1,10	1,95	2,87	4,9	8,7	12,7	6,10	A++
	9K+9K+9K	2,40	2,40	2,40			2,40	7,20	8,50	1,00	1,95	2,87	4,4	8,7	12,7	6,10	A++
	9K+9K+12K	2,20	2,20	2,90			2,40	7,30	8,50	1,10	1,97	2,87	4,9	8,7	12,7	6,10	A++
QUADRI **MILANO 4-28**	7K+18K	1,75	4,45				2,25	6,20	6,60	1,05	1,66	2,15	4,7	7,4	9,5	6,10	A++
	9K+12K	2,50	3,30				2,25	5,80	6,45	1,05	1,54	2,05	4,7	6,8	9,1	6,10	A++
	9K+18K	2,10	4,20				2,25	6,30	6,80	1,05	1,71	2,20	4,7	7,6	9,8	6,10	A++
	12K+12K	3,10	3,10				2,25	6,20	6,60	1,05	1,66	2,15	4,7	7,4	9,5	6,10	A++
	12K+18K	2,55	3,75				2,25	6,30	6,80	1,05	1,71	2,20	4,7	7,6	9,8	6,10	A++
	7K+7K+7K	2,30	2,30	2,30			2,30	7,00	8,50	1,10	1,91	2,87	4,9	8,5	12,7	6,10	A++
	7K+7K+9K	2,20	2,20	2,70			2,40	7,10	8,50	1,10	1,94	2,87	4,9	8,6	12,7	6,10	A++
	7K+7K+12K	1,95	1,95	3,30			2,40	7,20	8,50	1,10	1,94	2,87	4,9	8,6	12,7	6,10	A++
	7K+7K+18K	1,60	1,60	4,10			2,40	7,30	8,50	1,20	1,96	2,87	5,3	8,7	12,7	6,10	A++
	7K+9K+9K	2,00	2,55	2,55			2,40	7,10	8,50	1,10	1,94	2,87	4,9	8,6	12,7	6,10	A++
	7K+9K+12K	1,80	2,30	3,10			2,40	7,20	8,50	1,10	1,94	2,87	4,9	8,6	12,7	6,10	A++
	7K+9K+18K	1,50	1,95	3,90			2,40	7,30	8,50	1,20	1,96	2,87	5,3	8,7	12,7	6,10	A++
	7K+12K+12K	1,70	2,80	2,80			2,40	7,30	8,50	1,20	1,96	2,87	5,3	8,7	12,7	6,10	A++
	9K+9K+9K	2,40	2,40	2,40			2,40	7,20	8,50	1,00	1,94	2,87	4,4	8,6	12,7	6,10	A++
	9K+9K+12K	2,20	2,20	2,90			2,40	7,30	8,50	1,10	1,96	2,87	4,9	8,7	12,7	6,10	A++
	9K+12K+12K	2,00	2,65	2,65			2,40	7,30	8,50	1,20	1,96	2,87	5,3	8,7	12,7	6,10	A++
	7k+7k+7k+7k	2,00	2,00	2,00	2,00		2,50	8,00	10,00	1,20	2,24	3,58	5,3	9,9	15,9	6,10	A++
	7k+7k+7k+9k	1,85	1,85	1,85	2,45		2,50	8,00	10,00	1,30	2,24	3,58	5,8	9,9	15,9	6,10	A++
	7k+7k+7k+12k	1,70	1,70	1,70	2,90		2,50	8,00	10,00	1,30	2,24	3,58	5,8	9,9	15,9	6,10	A++
	7k+7k+9k+9k	1,75	1,75	2,25	2,25		2,50	8,00	10,00	1,30	2,24	3,58	5,8	9,9	15,9	6,10	A++
	7k+7k+9k+12k	1,60	1,60	2,05	2,75		2,50	8,00	10,00	1,30	2,24	3,58	5,8	9,9	15,9	6,10	A++
	7k+9k+9k+9k	1,70	2,10	2,10	2,10		2,50	8,00	10,00	1,30	2,24	3,58	5,8	9,9	15,9	6,10	A++

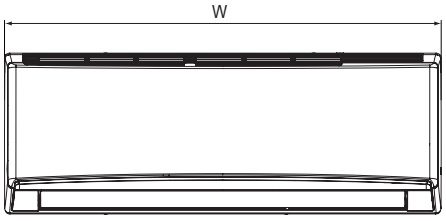
COMBINATIONS (minimum 2 internal units)	Nominal heating power (KW)					Total heating power (KW)			Total power drawn (KW)			Total current drawn (A) 230V			SCOP (W/W)	Energy efficiency class
	Unit A	Unit B	Unit C	Unit D	Unit E	Min	Nom.	Max.	Min	Nom.	Max.	Min	Nom.	Max.	Milano	Milano
MCAS DUAL MILANO 218																
7K+7K	2.40	2.40				2.50	4.80	5.40	0,70	1,15	1,78	3,1	5,1	7,9	4.0	A+
7K+9K	2.10	2.70				2.50	4.80	5.40	0,70	1,15	1,78	3,1	5,1	7,9	4.0	A+
7K+12K	2.00	3.40				2,65	5.40	5.90	0,78	1,40	1,78	3,5	6,2	7,9	4.0	A+
9K+9K	2.70	2.70				2.50	5.40	5.90	0,78	1,30	1,78	3,5	5,8	7,9	4.0	A+
9K+12K	2.40	3.10				2,65	5.50	6.00	0,78	1,46	1,78	3,5	6,5	7,9	4.0	A+
MCAS DUAL MILANO 2-24																
7K+9K	2.20	2.80				2.50	5.00	6,16	0,75	1,27	2,45	3,3	5,6	10,9	4.0	A+
7K+12K	2.10	3.50				2,65	5.60	6.80	0,78	1,42	2,45	3,5	6,3	10,9	4.0	A+
7K+18K	1,75	4,25				2,65	6.00	7.30	0,78	1,57	2,78	3,5	7,0	12,3	4.0	A+
9K+9K	2.80	2.80				2.50	5.60	6.80	0,78	1,42	2,45	3,5	6,3	10,9	4.0	A+
9K+12K	2.60	3.40				2,65	6.00	7.30	0,78	1,57	2,78	3,5	7,0	12,3	4.0	A+
12K+12K	3.00	3.00				2,65	6.00	7.30	0,78	1,57	2,78	3,5	7,0	12,3	4.0	A+
MCAS TRIAL MILANO 3-24																
7K+12K	2,35	3,95				2,65	6.30	7.30	0,88	1,61	2,55	3,83	7,00	11,09	4,0	A+
7K+18K	1,95	4,85				2.65	6.80	7.80	0,88	1,87	2,78	3,83	8,13	12,09	4,0	A+
9K+9K	2,95	2,95				2,65	6.80	7.80	0,88	1,60	2,55	3,83	6,96	11,09	4,0	A+
9K+12K	2,95	3,85				2,65	6.80	7.80	0,88	1,87	2,78	3,83	8,13	12,09	4,0	A+
9K+18K	2,30	4,60				2,65	6.90	7.80	0,88	1,89	2,78	3,83	8,22	12,09	4,0	A+
12K+12K	3,40	3,40				2,65	6.80	7.80	0,88	1,87	2,78	3,83	8,13	12,09	4,0	A+
12K+18K	2,80	4,10				2,65	6.90	7.80	0,88	1,89	2,78	3,83	8,22	12,09	4,0	A+
7K+7K+7K	2,75	2,75	2,75			3.60	8.30	8.80	0,98	1,92	2,87	4,26	8,35	12,48	4,0	A+
7K+7K+9K	2,60	2,60	3,30			3.60	8.50	8.80	0,98	2,20	2,87	4,26	9,57	12,48	4,0	A+
7K+7K+12K	2,30	2,30	3,90			3.60	8.50	8.80	0,98	2,20	2,87	4,26	9,57	12,48	4,0	A+
7K+9K+9K	2,40	3,05	3,05			3.60	8.50	8,80	0,98	2,20	2,87	4,26	9,57	12,48	4,0	A+
7K+9K+12K	2,15	2,75	3,60			3.60	8.50	8,80	0,98	2,20	2,87	4,26	9,57	12,48	4,0	A+
9K+9K+9K	2,85	2,85	2,85			3.60	8.50	8,80	0,98	2,20	2,87	4,26	9,57	12,48	4,0	A+
9K+9K+12K	2,55	2,55	3,40			3.60	8.50	8,80	0,98	2,20	2,87	4,26	9,57	12,48	4,0	A+
QUADRI MILANO 4-28																
7K+18K	2,95	2,95				2.50	5.90	7.30	0,88	1,74	2,55	3,83	7,57	11,09	4,0	A+
9K+12K	3,40	3,40				2,65	6.80	7.80	0,88	1,98	2,78	3,83	8,61	12,09	4,0	A+
9K+18K	2,30	4,60				2,65	6.90	7.80	0,88	2,01	2,78	3,83	8,74	12,09	4,0	A+
12K+12K	1,90	4,90				2,65	6.80	7.80	0,88	1,98	2,78	3,83	8,61	12,09	4,0	A+
12K+18K	2,80	4,10				2,65	6.90	7.80	0,88	2,01	2,78	3,83	8,74	12,09	4,0	A+
7K+7K+7K	2,75	2,75	2,75			3.60	8.30	8.80	0,98	2,38	2,87	4,26	10,35	12,48	4,0	A+
7K+7K+9K	2,60	2,60	3,30			3.60	8.50	8.80	0,98	2,44	2,87	4,26	10,61	12,48	4,0	A+
7K+7K+12K	2,30	2,30	3,90			3.60	8.50	8.80	0,98	2,44	2,87	4,26	10,61	12,48	4,0	A+
7K+7K+18K	1,90	1,90	4,80			3.60	8.60	8.80	0,98	2,46	2,87	4,26	10,70	12,48	4,0	A+
7K+9K+9K	2,40	3,05	3,05			3.60	8.50	8,8	0,98	2,44	2,87	4,26	10,61	12,48	4,0	A+
7K+9K+12K	2,15	2,75	3,60			3.60	8.50	8,8	0,98	2,44	2,87	4,26	10,61	12,48	4,0	A+
7K+9K+18K	1,80	2,30	4,50			3.60	8.60	8,8	0,98	2,46	2,87	4,26	10,70	12,48	4,0	A+
7K+12K+12K	2,00	3,30	3,30			3.60	8.60	8,8	0,98	2,46	2,87	4,26	10,70	12,48	4,0	A+
9K+9K+9K	2,85	2,85	2,85			3.60	8.50	8,8	0,98	2,44	2,87	4,26	10,61	12,48	4,0	A+
9K+9K+12K	2,55	2,55	3,40			3.60	8.50	8,8	0,98	2,44	2,87	4,26	10,61	12,48	4,0	A+
9K+12K+12K	2,20	3,20	3,20			3.60	8.60	8,8	0,98	2,46	2,87	4,26	10,70	12,48	4,0	A+
7k+7k+7k+7k	2,30	2,30	2,30			3.60	9.50	10	1	2,65	2,87	4,35	11,52	12,48	4,0	A+
7k+7k+7k+9k	2,20	2,20	2,20			3.60	9.50	10	1	2,65	2,87	4,35	11,52	12,48	4,0	A+
7k+7k+7k+12k	2,00	2,00	2,00			3.60	9.50	10	1	2,65	2,87	4,35	11,52	12,48	4,0	A+
7k+7k+9k+9k	2,05	2,05	2,60			3.60	9.50	10	1	2,65	2,87	4,35	11,52	12,48	4,0	A+
7k+7k+9k+12k	1,90	1,90	2,40			3.60	9.60	10	1	2,65	2,87	4,35	11,52	12,48	4,0	A+
7k+9k+9k+9k	1,95	2,45	2,45			3.60	9.50	10	1	2,65	2,87	4,35	11,52	12,48	4,0	A+

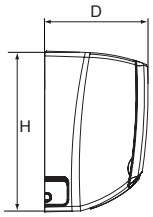
INTERNAL UNITS FOR MULTI-SPLIT

WALL MOUNTED MILANO


Optional


Optional





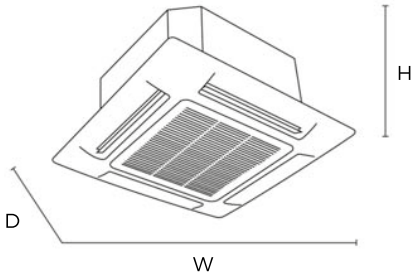
Power	H (mm)	W (mm)	D (mm)
7k - 9k	275	790	200
12k	289	845	209
18k	300	970	224
24k	325	1078	246

INTERNAL WALL UNITS **MILANO series**		**WM07QB**		**WM07QB**		**WM07QB**		**WM07QB**	
	Unit of measure	Cold	Heat	Cold	Heat	Cold	Heat	Cold	Heat
Power yielded	kW	2,1	2,6	2,6-2,7	2,8	3,5	3,67	5,13	5,28
Air flow	m^3/h	560/490/430/330		560-490-430-330		680-590-490-420		800-720-610-520	
Dehumidification	l/h	0,6		0,8		1,4		1,8	
Ventilation speed	n°	4		4		4		4	
Sound pressure (sa.-a.-m.-b.)	dB(A)	36-34-32-28		37-35-32-26		42-38-34-31		49-44-39-34	
Sound pressure Internal Unit (sa.-a.-m.-b.)	dB(A)	49/46/42/38		55-52-44-38		57/52/48/45		59-54-49-44	
Diameter of the liquid pipe	mm(inch")	6,35(1/4")		6,35(1/4")		6,35(1/4")		6,35(1/4")	
Diameter of the gas pipe	mm(inch")	9,52(3/8")		9,52(3/8")		9,52(3/8")		12,7(1/2")	
Net Dimensions (Height/Length/Width)	mm	275/790/200		275/790/200		289/845/209		300/970/224	
Net weight	kg	9		9		10,5		13,5	

MILANO
CASSETTE


Optional


Optional



Power	H (mm)	W (mm)	D (mm)
12k - 18k	50	650	650

INTERNAL UNITS CASSETTE		CA12BB		CA18BB	
	Unit of measure	Cold	Heat	Cold	Heat
Power yielded	kW	3,50	4,00	4,50	5,00
Air flow	m^3/h	650/560/520/450		710/670/590/450	
Dehumidification	l/h	1,4		1,8	
Ventilation speed	n°	3+auto		3+auto	
Sound pressure (-a.-m.-b.)	dB(A)	44-41-38-34		47-45-41-35	
Sound pressure Internal Unit (-a.-m.-b.)	dB(A)	55-52-49-45		58-56-52-46	
Diameter of the liquid pipe	mm(inch")	6,35(1/4")		6,35(1/4")	
Diameter of the gas pipe	mm(inch")	9,52(3/8")		12,7 (1/2")	
Net Dimensions (Height/Length/Width)	mm	240/596/596		240/596/596	
Net Panel Dimensions (Height/Length/Width)	mm	50/670/670		50/670/670	
Net Unit Weight with no panel	kg	20		20	
Net panel weight	kg	3,5		3,5	


MODALITÀ COMFORT SLEEP

MIN. TEMP. CALDO

MIN. TEMP. FREDDO


TIMER


SBRINAMENTO INTELLIGENTE


RISPARMIO ENERGIA

FUNZIONE "TURBO"


AUTO DIAGNOSI


DEUMIDIFICAZIONE


AUTO RESTART MEMORY

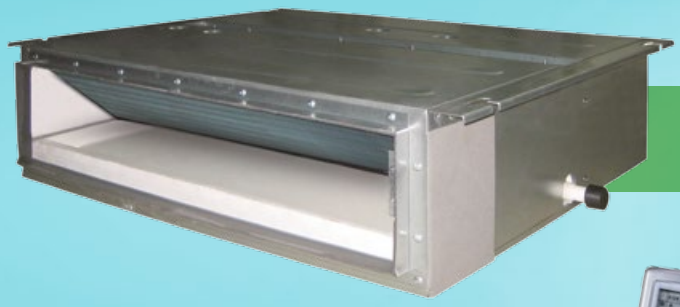

IFEEL


SOLO MULTISPLIT

8°C RISCALDAMENTO

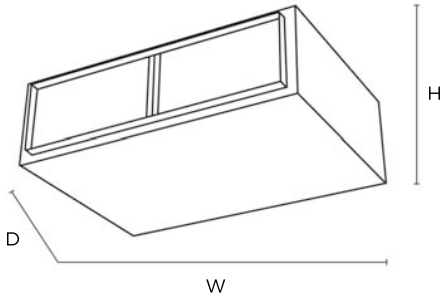

WIRED CONTROLLER (OPTIONAL)

MILANO
DUCT



Optional

Optional



Power	H (mm)	W (mm)	D (mm)
9k - 12k	200	700	615
18k	200	900	615

DUCT INTERNAL UNITS **MILANO series**		**CH09EA**		**COH12AA**		**COH18AA**	
	Unit of measure	Cold	Heat	Cold	Heat	Cold	Heat
Power yielded	kW	2,50	2,80	3,50	3,85	5,00	5,50
Air flow	m³/h	450-250-280		550-400-300		700-600-500	
Min-max prevalence	Pa	0-10		0-10		0-10	
Dehumidification	l/h	0,8		1,4		1,8	
Ventilation speed	n°	3+auto		3+auto		3+auto	
Sound pressure (-a.-m.-b.)	dB(A)	37-34-31		39-35-32		41-36-33	
Sound pressure Internal Unit (-a.-m.-b.)	dB(A)	47-44-41		49-45-42		50-46-43	
Diameter of the liquid pipe	mm(inch")	6,35(1/4")		6,35(1/4")		6,35(1/4")	
Diameter of the gas pipe	mm(inch")	9,52(3/8")		9,52(3/8")		12,7 (1/2")	
Net Dimensions (Height/Length/Width)	mm	200/700/615		200/700/615		200/900/615	
Net weight	kg	22		23		27	


MODALITÀ COMFORT SLEEP

MIN. TEMP. CALDO

MIN. TEMPO FREDDO

TIMER


SBRINAMENTO INTELLIGENTE


SOLO MULTISPLIT


AUTO DIAGNOSI


DEUMIDIFICAZIONE


AUTO RESTART MEMORY

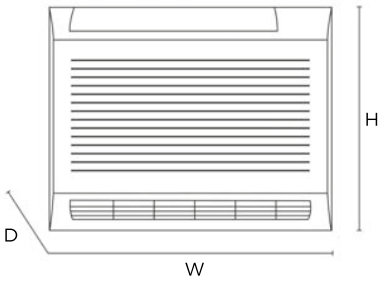
POMPA DI DRENAGGIO CONDENSA INTEGRATA

FILTRI FACILMENTE RIMOVIBILI PER PULIZIA


WIRED CONTROLLER (OPTIONAL)

MILANO
CONSOLE

Optional



Power	H (mm)	W (mm)	D (mm)
9k-12k-18k	600	700	215

INTERNAL UNITS CONSOLES **MILANO series**		**COH09AA**		**COH12AA**		**COH18AA**	
	Unit of measure	Cold	Heat	Cold	Heat	Cold	Heat
Power yielded	kW	2,70	2,80	3,50	3,75	5,20	5,33
Air flow	m^3/h	500-430-410-370-330-280-250		600-520-480-440-400-360-280		650-620-550-500-450-410-320	
Dehumidification	l/h	0,8		1,4		1,8	
Fan speed	n°	7		7		7	
Sound pressure (-a.-m.-b.)	dB(A)	40-36-34-32-30-26-23		42-40-38-36-34-31-25		47-45-42-40-37-35-31	
Sound pressure Internal Unit (-a.-m.-b.)	dB(A)	52-48-46-44-42-38-34		52-50-48-46-44-41-35		57-55-52-50-47-45-41	
Diameter of the liquid pipe	mm(inch")	6,35(1/4")		6,35(1/4")		6,35(1/4")	
Diameter of the gas pipe	mm(inch")	9,52(3/8")		9,52(3/8")		12,7 (1/2")	
Net Dimensions (Height/Length/Width)	mm	600/700/215		600/700/215		600/700/215	
Net weight	kg	15,5		15,5		15,5	


MODALITÀ COMFORT SLEEP

8°C RISCALDAMENTO

LED


TIMER


SBRINAMENTO INTELLIGENTE


RISPARMIO ENERGIA

FUNZIONE "TURBO"


AUTO DIAGNOSI


DEUMIDIFICAZIONE


AUTO RESTART MEMORY


IFEEL


SOLO MULTISPLIT

MIN. TEMP. CALDO

MIN. TEMP. FREDDO


COLD PLASMA

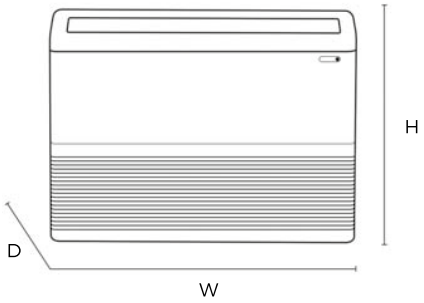
CONTROLLO WIFI


WIRED CONTROLLER (OPTIONAL)

MILANO
FLOOR CEILING


Optional


Optional



Power	H (mm)	W (mm)	D (mm)
9k-12k-18k	665	870	235

INTERNAL UNITS floor/ceiling **MILANO series**		**FC09CA**		**FC09CA**		**FC09CA**	
	Unit of measure	Cold	Heat	Cold	Heat	Cold	Heat
Power yielded	kW	2,60	2,70	3,50	4,00	4,50	5,00
Air flow	m³/h	700/610/540/420		700/610/540/420		700/610/540/420	
Dehumidification	l/h	0,8		1,4		1,8	
Fan speed	n°	7		7		7	
Sound pressure (-a.-m.-b.)	dB(A)	38-35-30-26		38-35-30-26		38-35-30-26	
Sound pressure Internal Unit (-a.-m.-b.)	dB(A)	52-49-44-40		52-49-44-40		52-49-44-40	
Diameter of the liquid pipe	mm(inch")	6,35(1/4")		6,35(1/4")		6,35(1/4")	
Diameter of the gas pipe	mm(inch")	9,52(3/8")		9,52(3/8")		12,7 (1/2")	
Net Dimensions (Height/Length/Width)	mm	665/870/235		665/870/235		665/870/235	
Net weight	kg	25		25		25,5	


MODALITÀ COMFORT SLEEP

8°C RISCALDAMENTO

LED


TIMER


SBRINAMENTO INTELLIGENTE


RISPARMIO ENERGIA

FUNZIONE "TURBO"


AUTO DIAGNOSI


DEUMIDIFICAZIONE


AUTO RESTART MEMORY


IFEEL


SOLO MULTISPLIT

MIN. TEMP. CALDO

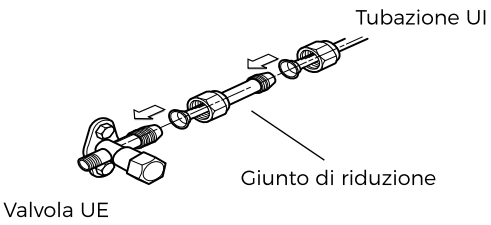
MIN. TEMP. FREDDO


WIRED CONTROLLER (OPTIONAL)

REDUCTION COUPLING
CONNECTION OF INTERNAL UNITS TO EXTERNAL UNITS TYPE MULTI (ACCOMPANYING EXTERNAL UNITS)

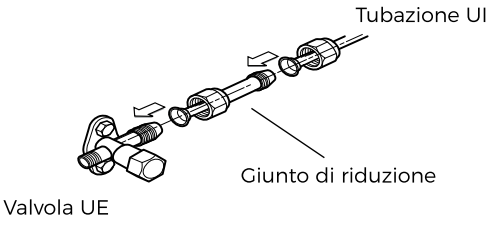
MILANO MC 2-14 DUAL MILANO MC 2-18 DUAL

External Unit	Diameter	Qty.
Valvola del liquido	6.35 (1/4")	2
Valvola del gas	9.52 (3/8")	2
Reduction coupling		**Qty.**
9.52 (3/8") ➡ 12.7 (1/2")		1
Unità interna	**Diameter**	
MODELLO MILANO 9-12	6.35 (1/4")	Tubo liquido
MODELLO MILANO 9-12	9.52 (3/8")	Tubo gas



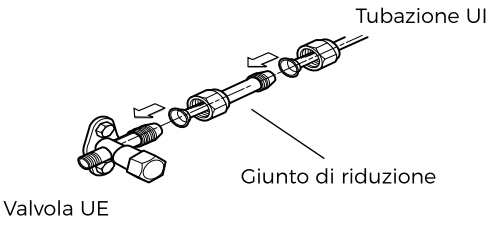
MILANO MC 3-21 TRIAL MILANO MC 3-24 TRIAL

External Unit	Diameter	Qty.
Valvola del liquido	6.35 (1/4")	3
Valvola del gas	9.52 (3/8")	3
Reduction coupling		**Qty.**
9.52 (3/8") ➡ 12.7 (1/2")		2
Internal unit	**Diameter**	
MODELLO MILANO 9-12	6.35 (1/4")	Tubo liquido
MODELLO MILANO 9-12	9.52 (3/8")	Tubo gas
MODELLO MILANO 18	12.7 (1/2")	Tubo gas



MILANO MC 4-28 QUADRI

External Unit	Diameter	Qty.
Valvola del liquido	6.35 (1/4")	4
Valvola del gas	9.52 (3/8")	4
Reduction coupling		
9.52 (3/8") ➡ 12.7 (1/2")		2
Internal unit	**Diameter**	
MODELLO MILANO 9-12	6.35 (1/4")	Tubo liquido
MODELLO MILANO 9-12	9.52 (3/8")	Tubo gas
MODELLO MILANO 18	12.7 (1/2")	Tubo gas
MODELLO MILANO 24	15,9 (5/8")	Tubo gas



Esempio di utilizzo Giunto di riduzione				
Unità Interne	Giunto riduzione	Tubo Gas	Giunto riduzione	
9+18 MILANO **(Combinazioni)**				
9 MILANO	NO			
18 MILANO	2	12.7 (1/2")	9.52 (3/8") ➡ 12.7 (1/2")	Tubo del gas

IMPORTANT NOTE: When defining the diameters of the gas pipes to use for the connection between external and internal unit, it is necessary to keep in mind that the "master" unit is always the internal unit. Thus, you MUST ALWAYS USE gas pipes with the diameter of the internal units

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