



MUNDOCLIMA®

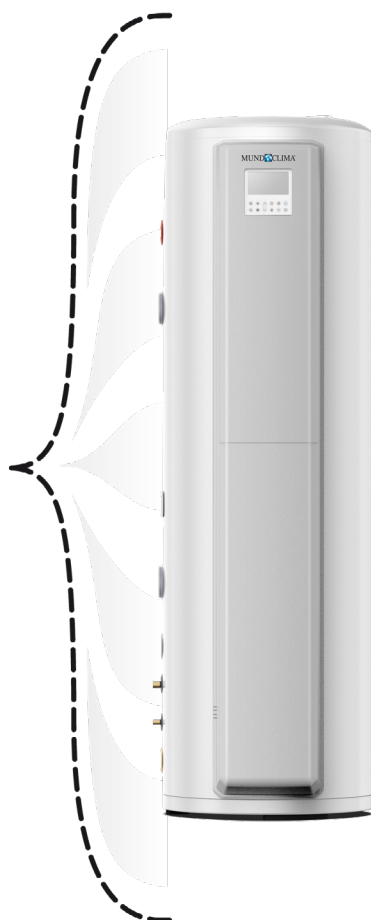
MULTISPLIT - Outdoor Unit MUEW-H14 Series up to 3 x 1 + Domestic Hot Water (DHW)

DHW with heat recovery

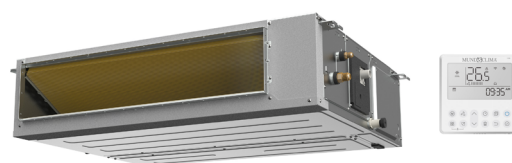
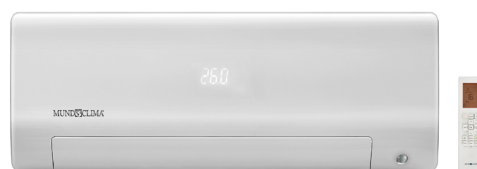
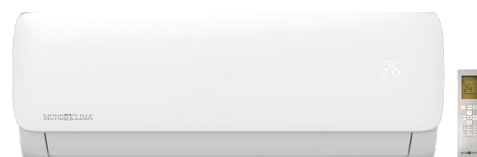


SEER
A++

SCOP⁽¹⁾
A+++



+



“GOLDEN FIN” TREATMENT



It protects the heat exchangers against atmospheric phenomena and effects of aggressive environments. It prevents the proliferation of bacteria and mold.

“CORE GENIUS” TECHNOLOGY

It allows a continuous operation at an ultra-low compressor speed of only 12 Hz, decreasing the compressor vibration by up to 16 times compared to conventional equipment.



ENGINEERING MODE

Download the engineering mode manual from this QR code and...

Discover all the possibilities!



OPTIONALS

More information on optionals in the “MUNDOCLIMA CONTROL SYSTEMS” section.

Accessories



M-CHECK
(CL09410)

⁽¹⁾ Warm climate zone SCOP, see specification table for more information.

MUEW-H14 Series



OUTDOOR UNIT SPECIFICATIONS

COMING SOON

Model				MUEW-18-H14.2 ⁽⁵⁾	MUEW-27-H14.3 ⁽⁶⁾	MUEW-28-H14.3 ⁽⁷⁾
Code				UE45302	UE45304	UE45305
EAN Code				8432953142445	8432953062132	8432953142452
Cooling ⁽¹⁾	Nominal capacity (min. - max.)		kW	5.30 (1.59 ~ 6.05)	7.91 (2.46 ~ 8.21)	7.91 (2.46 ~ 8.21)
	Nominal consumption (min. - max.)		kW	1.48 (0.22 ~ 2.05)	2.45 (0.18 ~ 2.90)	2.45 (0.18 ~ 2.90)
	Pdesignc (design capacity)		kW	5.3	7.9	7.9
	SEER		W/W	6.9	6.3	6.3
	Energy Efficiency Class			A++	A++	A++
	Seasonal energy efficiency for space cooling		ηs,c (%)	—	—	—
	Annual electricity consumption		kWh/year	269	439	439
Heating ⁽¹⁾	Nominal capacity (min. - max.)		kW	5.30 (1.59 ~ 5.6)	8.21 (2.29 ~ 0.88)	8.21 (2.29 ~ 0.88)
	Nominal consumption (min. - max.)		kW	1.37 (0.20 ~ 1.90)	2.21 (0.35 - 3.00)	2.21 (0.35 - 3.00)
	Mild climate zone	Pdesignh (design capacity)	kW	4.5	6.2	6.2
		SCOP	W/W	4.1	4.1	4.1
		Energy efficiency class		A+	A+	A+
		Seasonal energy efficiency for space heating	ηs,h (%)	—	—	—
		Annual electricity consumption	kWh/year	1543	2117	2117
		Tbiv (bivalent temperature)	°C	-7	-7	-7
	Warm climate zone	Pdesignh (design capacity)	kW	5.0	6.4	6.4
		SCOP	W/W	5.2	5.1	5.1
		Energy efficiency class		A+++	A+++	A+++
		Annual electricity consumption	kWh/year	1346	1757	1757
		Tbiv (bivalent temperature)	°C	2	2	2
	Tol (temperature operating limit)		°C	-15	-15	-15
Outdoor unit	Air flow rate (max.)		m³/h	3000	4,000	4,000
	Sound pressure (High)		dB(A)	58	61	61
	Sound power (High)		dB(A)	64	69	69
	Dimensions (W x H x D) ⁽²⁾		mm	890 x 673 x 342	946 x 810 x 410	946 x 810 x 410
	Weight		kg	46.6	64.3	64.3
Refrigerant	Type / GWP			R32 / 675	R32 / 675	R32 / 675
	Charge		kg	1.5	1.8	1.8
	CO ₂ equivalence		TCO ₂ eq	1.013	1.215	1.215
	Precharge until	Total 1/4" liquid pipes	m	20	30	30
		Total 3/8" liquid pipes	m	—	—	—
	Additional charge	1/4" liquid lines	g/m	20	20	20
		3/8" liquid lines	g/m	—	—	—
Refrigerant pipes	Liquid		mm (inches)	(1/4") x 3	(1/4") x 3 + (1/4") x 1	(1/4") x 3 + (1/4") x 1
	Gas		mm (inches)	(3/8") x 3	(3/8") x 3 + (1/2") x 1	(3/8") x 3 + (1/2") x 1
	Max. length		m	60	80	80
	Length per unit Indoor ⁽³⁾	Air conditioner units	m	35	35	35
		DHW unit	m	20	20	20
	Maximum height (including DHW equipment)	Between the IDU and the ODU	m	15	15	15
		Dif. between IDU's	m	10	10	10
Electrical data ⁽⁴⁾	Power supply		V / Hz / Ph	230 / 50 / 1 Ph	230 / 50 / 1 Ph	230 / 50 / 1 Ph
	Maximum consumption		kW	4.1	5.3	5.3
	Max. current		A	18	24	24
	Power cord (outdoor unit)		mm²	2 x 2.5 + T	2 x 2.5 + T	2 x 2.5 + T
	Interconnection cable	Air conditioner units	mm²	3 x 1 + T	3 x 1 + T	3 x 1 + T
		DHW equipment ⁽⁶⁾	mm²	4 x 1 + T	3 x 1 + T	3 x 1 + T
Operating temperature	Indoor environment	Cooling	°C	16 to 32	16 to 32	16 to 32
		Heating	°C	0 to 30	0 to 30	0 to 30
		DHW	°C	5 to 43	5 to 43	5 to 43
	Water	DHW	°C	38 to 55	38 to 55	38 to 55
		DHW (with electrical resistance)	°C	70	70	70
	Outdoor	Cooling	°C	-15 to 50	-15 to 50	-15 to 50
		Heating	°C	-15 to 24	-15 to 24	-15 to 24
		DHW	°C	-15 to 43	-15 to 43	-15 to 43
		DHW (with electrical resistance)	°C	< -15 and > 43	< -15 and > 43	< -15 and > 43

Note:

⁽¹⁾ Data taken with MUPR-09-H11-I indoor units (as many outlets for air conditioning units as there are in the outdoor unit).

⁽²⁾ The dimensions are for the unit body, they do not include protruding elements (valve covers, grids, handles, etc.). For detailed dimensions, please refer to the installation manual.

⁽³⁾ The minimum pipe length for each indoor air conditioning unit is 3 m, and 5 m for the DHW unit.

⁽⁴⁾ The electrical wiring sections indicated are recommended, but may be higher depending on each installation, these must be adapted to the applicable electrical regulations.

⁽⁵⁾ Only the MUCSM-100-H14-I 100L tank model can be connected to model MUEW-18-H14.2.

⁽⁶⁾ Only the MUCSM-190-H14-I 190L tank model can be connected to model MUEW-27-H14.3.

⁽⁷⁾ The MUEW-28-H14.3 model can be connected to either the 100 L tank model MUCSM-100-H14-I or the 190 L tank model MUCSM-190-H14-I.

⁽⁸⁾ Only in 1x1 combination of the MUEW-18-H14.2 outdoor unit with the 100L tank model MUCSM-100-H14-I. If air conditioning units and the 100L tank are connected at the same time, only one 3x1 + T cable is required (the extra cable is for the energy-saving function).

*** In order to improve the product, the design and specifications are subject to change without prior notice.**

**** The sound level values correspond to values obtained in an anechoic chamber.**

***** See combinations table.**

MULTISPLIT - Indoor Unit Domestic Hot Water (DHW) MUACSM-H14-I Series⁽¹⁾

MUNDCLIMA®

DHW with heat recovery

Complies with minimum contribution of renewable energy to cover DHW demand (CTE DB HE4)



Split-type heat pump for DHW

Harnesses aerothermal energy to heat the water in the hot water tank.



Minimizes electricity consumption to its minimum

In a combined installation with air conditioning equipment, in cooling mode, it totally or partially recovers energy by heating the hot water in the tank (DHW).



Multiple operating modes

The advanced management system incorporates multiple operating modes to suit all needs: HYBRID, SMART, ECONOMY, E-HEATER and VACATION modes.



"Smart Grid" function

Allows hybridization with a solar photovoltaic system.



"Modbus" connectivity

Possibility of integration in a home automation system (BMS).



Anti-legionella mode

Thanks to the built-in electrical resistance, disinfection is performed at up to 70°C.



High efficiency water tank

Heat transfer through micro-channel exchanger. Laminar cold water inlet in order to interfere as little as possible with the warmer water at the top. Larger exchange surface between the heat exchanger and the water tank.



Water tank with double temperature sensor

Dual temperature sensors monitor the water temperature of the top and bottom of the tank, detect water stratification in the tank and adjust the unit's operation in real time.



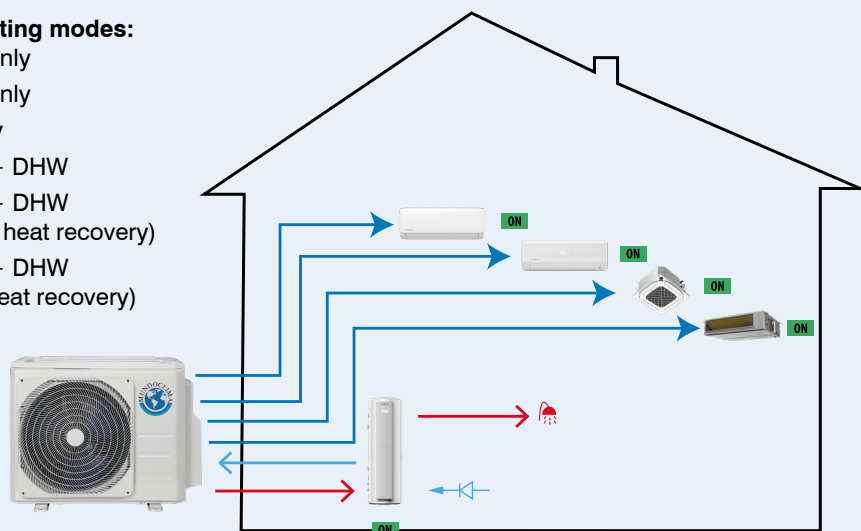
100L Mural



190L Floor

System operating modes:

1. Cooling only
2. Heating only
3. DHW only
4. Heating + DHW
5. Cooling + DHW (PARTIAL heat recovery)
6. Cooling + DHW (TOTAL heat recovery)



OPTIONAL 100L Mural

Support tripod



(CL09438)

⁽¹⁾ Only compatible with MUEW-H14 outdoor units.

MUACSM-H14-I Series



SPECIFICATIONS

Model				MUACSM-100-H14-I		MUACSM-190-H14-I	
Code				UI45300		UI45304	
EAN Code				8432953142469		8432953062149	
Water heating	Warm climate ⁽²⁾	Capacity	kW	3.8	4.0	4.0	
		COP	kW/kW	6	4.0	3.9	
		DHW SCOP (SPF)	W/W	2.65	2.61	2.92	
	Mild climate EN 16147:2017 ⁽¹⁾	Tset (Test set point temp.)	°C	55	55	54	
		Energy efficiency	η _{wh}	110	108	128	
		Max. volume of mixed water at 40°C	L	108	108	240	
		Consumption profile		M	M	L	
		Energy labeling		A+	A+	A+	
		Recovery time	h:min	1:55	01:30	2:11	
		Annual energy consumption (AEC)	kWh/year	465	475	632	
	Warm climate EN 16147:2017 ⁽²⁾	DHW SCOP (SPF)	W/W	3.2	2.51	3.32	
		Tset (Test set point temp.)	°C	55	55	54	
		Energy efficiency	η _{wh}	140	105	176.4	
		Max. volume of mixed water at 40°C	L	110	73	266	
		Consumption profile		M	M	L	
		Recovery time	h:min	1:35	01:35	1:58	
		Annual energy consumption (AEC)	kWh/year	365	485	580	
Water tank	Nominal accumulation volume		L	100		190	
	Max. pressure		Bar	8		8	
	Material			Enameled steel		Enameled steel	
	Insulation material			Expanded polyurethane foam		Expanded polyurethane foam	
	Insulation thickness		mm	45		42	
	Protection			Electronic anode		Magnesium anode	
	Hydraulic connections (Inlet / Outlet)		mm (inches)	DN15 (1/2")		DN20 (3/4")	
	Condensate outlet		mm (inches)	DN15 (1/2")		DN20 (3/4")	
	Dimensions (W x H x D)		mm	555 x 1060 x 500		504 x 1660 x 574	
	Weight		kg	45.5		70	
Outdoor unit	Model			MUEW-18-H14.2	MUEW-28-H14.3	MUEW-27-H14.3	MUEW-28-H14.3
	Code			UE45302	UE45305	UE45304	UE45305
	EAN Code			8432953142445	8432953142452	8432953062132	8432953142452
	Air flow rate (max.)		m³/h	3,000	4,000	4,000	4,000
	Sound pressure (High)		dB(A)	58	61	61	61
	Sound power (High)		dB(A)	58.5	64	64	64
	Dimensions (W x H x D) ⁽³⁾		mm	890 x 673 x 342	946 x 810 x 410	946 x 810 x 410	946 x 810 x 410
	Weight		kg	46.6	64.3	64.3	64.3
Refrigerant	Type / GWP			R32 / 675	R32 / 675	R32 / 675	R32 / 675
	Charge		kg	1.5	1.8	1.8	1.8
	CO ₂ equivalence		TCO ₂ eq	1.013	1,215	1,215	1,215
	Precharge until	Total 1/4" liquid pipes	m	20	30	30	30
	Additional charge		g/m	20	20	20	20
Refrigerant pipes	Liquid		mm (inches)	1/4"	1/4"	1/4"	1/4"
	Gas		mm (inches)	3/8"	3/8"	3/8"	3/8"
	Max. length		m	60	80	80	80
	Length per unit Indoor ⁽⁴⁾		m	20	20	20	20
	Maximum height dif. between IDUs and the ODU		m	15	15	15	15
		Dif. between IDUs	m	10	10	10	10
Electrical data ⁽⁵⁾	Power supply		V / Hz / Ph	230 / 50 / 1 Ph	230 / 50 / 1 Ph	230 / 50 / 1 Ph	230 / 50 / 1 Ph
	Max. consumption (with electrical resistance)		kW	1.5	2.15	2.15	2.15
	Max. current (with electrical resistance)		A	7	9.1	9.1	9.1
	Power cable (DHW tank indoor unit)		mm²	2 x 1.5 + T	2 x 1.5 + T	2 x 1.5 + T	2 x 1.5 + T
	Interconnection cable ⁽⁶⁾		mm²	4 x 1 + T	3 x 1 + T	3 x 1 + T	3 x 1 + T
Operating temperature	Indoor environment	DHW	°C	5 to 43	5 to 43	5 to 43	5 to 43
		DHW	°C	-15 to 43	-15 to 43	-15 to 43	-15 to 43
	Outdoor environment	DHW (with electrical resistance)	°C	< -15 and > 43	< -15 and > 43	< -15 and > 43	< -15 and > 43
		DHW	°C	38 to 55	38 to 55	38 to 55	38 to 55
	Set - water	DHW (with electrical resistance)	°C	70	70	70	70

Notes:

⁽¹⁾ Conditions: Water inlet/outlet temperature 10/52°C. Ambient temperature 6°C BS, 7°C BH.

⁽²⁾ Conditions: Water inlet/outlet temperature 15/45°C. Ambient temperature 15°C BS, 12°C BH.

⁽³⁾ The dimensions are for the unit body, they do not include protruding elements (valve covers, grids, handles, etc.). For detailed dimensions, please refer to the installation manual.

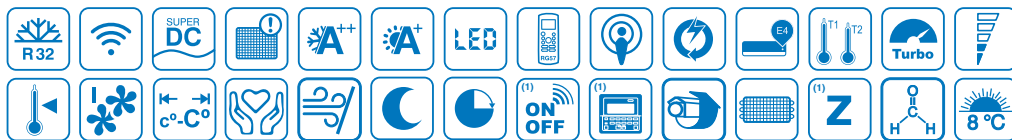
⁽⁴⁾ The minimum pipe length for the DHW equipment is 5 m.

⁽⁵⁾ Data from the DHW tank unit. The electrical wiring sections indicated are recommended, but may be higher depending on each installation; These must be adapted to the applicable electrical regulations.

⁽⁶⁾ Only in 1x1 combination of an outdoor unit with a 100L tank. In the case of connecting air conditioner units and the 100L tank at the same time, only one 3 x 1 + T cable is required (the extra cable is for the energy saving function).

*The above design and specifications are subject to change without prior notice in order to improve the product.

** The sound level values correspond to values obtained in an anechoic chamber.



MUNDCLIMA®

MULTISPLIT - Wall-type Indoor Unit MUPR-H11-I Series

Protocol V4+



RG10A1 (F2S)/BGEF
Included
(CL97807)



OPTIONALS

More information on optionals in "CONTROL SYSTEMS"

Wired control⁽²⁾



KJR-29B1/BK-E⁽²⁾
(CL92869)



KJR-120N(X4W)/BGEF⁽¹⁾
(CL09211)



KJR-120P(X6W)/EF⁽¹⁾
(CL09214)

Wired control with WI-FI⁽¹⁾

AIDOO Airzone WIFI⁽¹⁾



AZAI6WSCGM1⁽¹⁾
(CO48080)

Centralised control⁽¹⁾



CCM180A/WS⁽¹⁾
(CL09300)



CCM30/BKE⁽¹⁾
(CL92871)



MD-AC-MBS⁽¹⁾
(CL99097)



MD-AC-KNX⁽¹⁾
(CL94792)



INBACMID⁽¹⁾
(CL99222)

BMS⁽¹⁾



EU-OSK-105
(CL09001)

WIFI

Accessories



H11 Multifunction Module
(CL09400)

⁽¹⁾ The multifunction module H11 (CL09400) is required. In case of using the KJR-120 wired controllers, adding the connection cable (CL09408) is also required.
⁽²⁾ Connection cable (CL98442) required, not recommended for use with the multifunction module.

Model			MUPR-09-H11-I	MUPR-12-H11-I	MUPR-18-H11-I	MUPR-24-H11-I
Code			UI20055	UI20056	UI20057	UI20058
EAN Code			8432953048860	8432953048884	8432953048907	8432953048921
Cooling	Nominal capacity (min. ~ max.)	kW	2.64 (1.03 - 3.22)	3.52 (1.38 - 4.31)	5.28 (1.93 - 6.27)	7.03 (3.02 - 8.79)
	Nominal consumption ⁽³⁾	W	21	23	36	68
Heating	Nominal capacity (min. ~ max.)	kW	2.93 (0.82 - 3.37)	3.81 (1.07 - 4.38)	5.57 (1.29 - 7.00)	7.33 (1.52 - 9.47)
	Nominal consumption ⁽³⁾	W	21	23	36	68
Air flow rate (H / M / L)		m³/h	520 / 460 / 330	530 / 400 / 350	800 / 600 / 500	1,090 / 770 / 610
Sound pressure (High / Medium / Low)		dB(A)	37 / 32 / 22	37 / 32 / 22	41 / 37 / 31	46 / 37 / 34
Sound power (High)		dB(A)	55	56	56	62
Refrigerant pipes	Liquid	mm (inches)	Ø 6.35 (1/4")	Ø 6.35 (1/4")	Ø 6.35 (1/4")	Ø 9.52 (3/8")
	Gas	mm (inches)	Ø 9.52 (3/8")	Ø 9.52 (3/8")	Ø 12.7 (1/2")	Ø 15.9 (5/8")
Dimensions (W x H x D)		mm	726 x 291 x 210	835 x 295 x 208	969 x 320 x 241	1083 x 336 x 244
Weight		kg	8	8.7	11.2	13.6

Notes:

⁽³⁾ The indicated consumption only refers to the indoor unit, it must be added to the consumption of the corresponding outdoor unit.

* In order to improve the product, the design and specifications are subject to change without prior notice.

** The sound level values correspond to values obtained in an anechoic chamber.

*** In the Multisplit system, the following indoor unit functions will not be available: Silence, Self-cleaning, Eco, Gear, Breeze away, Reverse rotation, 1W Standby, Emergency operation, Refrigerant leak detection and Sprint start.



Protocol V4+

- 



AIRZONE
COMPATIBLE

AIR PURIFIER via Ionization

RG10L5(G2HS)/BGEF
Included
(CL09110)

More information on optionals in the “CONTROL SYSTEMS” section.

AIDOO Airzone WIFI

Centralised control



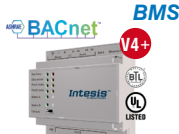
KJR-120P(X6W)/EF
(CL09214)



AZAI6WSCGM1
(CO48080)



CCM180A/WS
(CL09300)

CCM30/BKE
(CL92871)MD-AC-KNX
(CL94792)

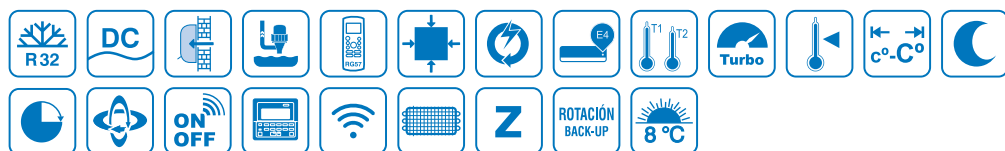
INBACMID
(CL99222)

Note:

⁽¹⁾ The nominal capacity may be different depending on the connected outdoor unit and the simultaneity. For more information, please check.

⁽²⁾ The indicated consumption only refers to the indoor unit, this must be added to the consumption of the corresponding outdoor unit.

- * **In order to improve the product, the design and specifications are subject to change without prior notice.**
- ** **The sound level values correspond to values obtained in an anechoic chamber.**
- *** **In the Multisplit system, the following indoor unit functions will not be available: Silence, Self-cleaning, Eco, Gear, Breeze away, Reverse rotation, 1W Standby, Emergency operation, Refrigerant leak detection and Sprint start.**



MUNDCLIMA®

MULTISPLIT - Cassette-type Indoor Unit MUCSR-H14-I Series



RG10N2(D2S)/BGEF
Included
(CL09111)

Individual flap control
MORE COMFORT



Models 09, 12 y 18

600 x 600



Model 24

900 x 900

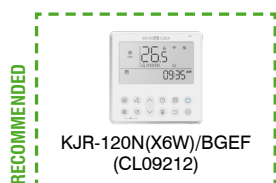
External condensate pump
MAKES MAINTENANCE
EASY!



Protocol V4+

OPTIONALS

More information on optionals in the "CONTROL SYSTEMS" section.



KJR-120N(X6W)/BGEF
(CL09212)

Wired control with WIFI



KJR-120P(X6W)/EF
(CL09213)



CCM180A/WS
(CL09300)



CCM30/BKE
(CL92871)



CCM-15(A)
(CL92872)

Centralised control

AIDOO Airzone WIFI



AZAI6WSCGM1
(CO48080)



MD-AC-MBS
(CL99097)



MD-AC-KNX
(CL94792)



INBACMID
(CL99222)

BMS



RG10A1(F2S)BGEF
(CL97807)

Wireless control

Model			MUCSR-09-H14-I	MUCSR-12-H14-I	MUCSR-18-H14-I	MUCSR-24-H14-I
Set code			CL21413	CL21414	CL21415	CL21416
EAN Code			8432953062118	8432953060527	8432953060534	8432953060541
Cooling	Nominal capacity (min. ~ max.) ⁽¹⁾	kW	2.64 (0.36 ~ 3.40)	3.52 (0.85 ~ 4.16)	5.27 (2.90 ~ 5.59)	7.03 (3.29 ~ 7.91)
	Nominal rating ⁽²⁾	kW	0.045	0.045	0.045	0.064
Heating	Nominal capacity (min. ~ max.) ⁽¹⁾	kW	2.93 (0.45 ~ 3.61)	3.81 (0.47 ~ 4.34)	5.57 (2.37 ~ 6.10)	7.62 (2.81 ~ 8.94)
	Nominal rating ⁽²⁾	kW	0.045	0.045	0.045	0.064
Model	Body		MUCSR-09-H14-I	MUCSR-12-H14-I	MUCSR-18-H14-I	MUCSR-24-H14-I
	Panel		MUCSR-H14-P1	MUCSR-H14-P1	MUCSR-H14-P1	MUCSR-H14-P2
Code	Body		UI21540	UI21541	UI21542	UI21543
	Panel		UA21540	UA21540	UA21540	UA21543
EAN Code	Body		8432953062101	8432953059101	8432953059118	8432953059125
	Panel		8432953058982	8432953058982	8432953058982	8432953058999
Air flow rate (H / M / L)		m³/h	500 / 460 / 400	620 / 520 / 330	660 / 540 / 300	1,247 / 1,118 / 992
Sound pressure (High / Medium / Low)		dB(A)	37 / 35.5 / 33 / 26	42 / 38.5 / 31.5 / 25.5	44 / 41 / 31.5 / 25	45 / 42.5 / 37 / 27.5
Sound power (High)		dB(A)	52	55	59	59
Drainage connection (OD)		mm	Ø 25	Ø 25	Ø 25	Ø 25
Drain pump height ⁽³⁾		mm	1,000	1,000	1,000	1,000
Fresh air intake ⁽⁴⁾		mm	Ø 75	Ø 75	Ø 75	Ø 75
Refrigerant pipes	Liquid	mm (inches)	1/4"	1/4"	1/4"	3/8"
	Gas	mm (inches)	3/8"	3/8"	1/2"	5/8"
Dimensions (Width x Height x Depth)	Body	mm	570 x 245 x 570	570 x 245 x 570	570 x 245 x 570	830 x 205 x 830
	Panel	mm	620 x 50 x 620	620 x 50 x 620	620 x 50 x 620	950 x 75 x 950
Weight	Body	kg	14.6	16.1	16.2	21.6
	Panel	kg	2.7	2.7	2.7	6

Notes:

⁽¹⁾ The rated capacity may be different depending on the connected outdoor unit and the simultaneity. For more information please check.

⁽²⁾ The indicated consumption only refers to the indoor unit. It must be added to the consumption of the corresponding outdoor unit.

⁽³⁾ Drain height from the base of the unit, with the elbow installed horizontally at a maximum of 200 mm.

⁽⁴⁾ Inner diameter.

* In order to improve the product, the design and specifications are subject to change without prior notice.

** The sound level values correspond to values obtained in an anechoic chamber.

*** In the Multisplit system, the following indoor unit functions will not be available: Silence, Self-cleaning, Eco, Gear, Breeze away, Reverse rotation, 1W Standby, Emergency operation, Refrigerant leak detection and Sprint start.

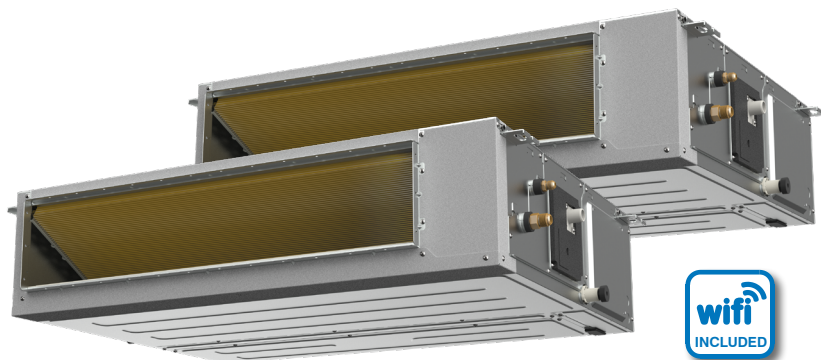


MUNDOCLIMA®

MULTISPLIT - Duct-type Indoor Unit MUCR-H14-I series

V4+ Protocol

**HORIZONTAL AND VERTICAL
INSTALLATION ⁽⁶⁾**



OPTIONALS

More information on the optionals in the "MUNDOCLIMA CONTROL SYSTEMS" section.

**Wireless
control**



RG10A1(F2S)BGEF
(CL97807)

Wired control with WIFI



KJR-120P(X6W)/EF
(CL09214)

AIDOO Airzone WIFI



AZAI6WSCGM1
(CO48080)

AIRZONE



AZX6QADAPT3GM1
(CO48060)

ZONING



MUNDOBOX
(RM90386)

Zoning

Modbus



MD-AC-MBS
(CL99097)

KNX



MD-AC-KNX
(CL94792)

BACnet



INBACMID
(CL99222)

BMS



CCM180A/WS
(CL09300)



CCM30/BKE
(CL92871)

V6 & V4+



CCM-15(A)
(CL92872)

**Centralised
control**

Model			MUCR-09-H14-I	MUCR-12-H14-I	MUCR-18-H14-I	MUCR-24-H14-I
Code			UI21560	UI21561	UI21562	UI21563
EAN Code			8432953059002	8432953059019	8432953059026	8432953059033
Cooling	Nominal capacity (min. ~ max.) ⁽¹⁾	kW	2.64 (0.35 ~ 3.82)	3.52 (0.53 ~ 3.91)	5.28 (1.32 ~ 6.16)	7.09 (3.23 ~ 7.92)
	Nominal rating ⁽²⁾	kW	0.80	0.80	0.80	1.65
Heating	Nominal capacity (min. ~ max.) ⁽¹⁾	kW	2.93 (0.94 ~ 3.48)	3.81 (1.00 ~ 4.47)	6.01 (1.50 ~ 6.31)	8.00 (2.79 ~ 8.56)
	Nominal rating ⁽²⁾	kW	0.80	0.80	0.80	1.65
Air flow rate (H / M / L)		m³/h	620 / 540 / 450	660 / 570 / 470	900 / 780 / 650	1,200 / 1,000 / 700
Static pressure	Nominal	Pa	25	25	25	25
	Configurable	Pa	0 ~ 80	0 ~ 100	0 ~ 160	0 ~ 160
Sound pressure (High / Medium / Low)		dB(A)	35 / 33 / 31	35 / 33 / 31	36.5 / 34 / 31	33.5 / 32.5 / 31
Sound power (High)		dB(A)	52	52	53	56
Drain connection (OD)		mm	Ø 25	Ø 25	Ø 25	Ø 25
Drain pump height ⁽³⁾		mm	1,000	1,000	1,000	1,000
Fresh air intake ⁽⁴⁾		mm	Ø 92	Ø 92	Ø 100	Ø 100
Refrigeration pipes	Liquid	mm (inches)	1/4"	1/4"	1/4"	3/8"
	Gas	mm (inches)	3/8"	3/8"	1/2"	5/8"
Dimensions (Width x Height x Depth)		mm	700 x 200 x 506 ⁽⁵⁾	700 x 200 x 506	700 x 245 x 750	1,000 x 245 x 750
Weight		kg	16.6	16.6	24.4	31.8

Note:

⁽¹⁾ The rated capacity may be different depending on the connected outdoor unit and the simultaneity. For more information please check.

⁽²⁾ The indicated consumption only refers to the indoor unit. It must be added to the consumption of the corresponding outdoor unit.

⁽³⁾ Drain height from the base of the unit, with the elbow installed horizontally at a maximum of 200 mm.

⁽⁴⁾ Inner diameter.

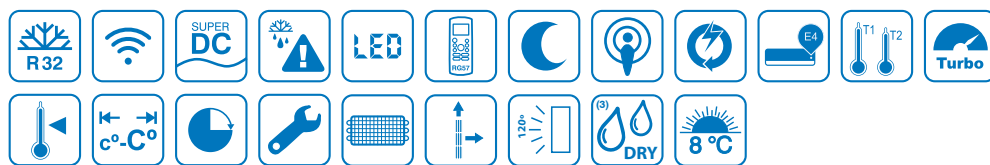
⁽⁵⁾ Dimensions do not include the external condensate pump, please refer to installation manual.

⁽⁶⁾ Except 09 and 12 for models in which only horizontal installation is possible.

*Design and specifications are subject to change without prior notice in order to improve the product.

** The sound level values correspond to values obtained in an anechoic chamber.

***In the Multisplit system, the following indoor unit functions will not be available: Silence, Self-cleaning, Eco, Gear, Reverse rotation, Emergency operation and Refrigerant leaks detection.



MUNDCLIMA®



MULTISPLIT - Console-type Indoor Unit

MUCNR-H14-I series



Modern and stylish design
Only 206 mm deep.



Tangential fans
The indoor unit features a tangential fan at each air outlet, thus minimizing the noise level.

V4+ Protocol



OPTIONALS

More information on optionals in the "CONTROL SYSTEMS" section.

Wireless control



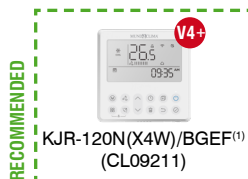
RG10L5(G2HS)/BGEF
(CL09110)

Wired control⁽²⁾



KJR-29B1/BK-E
(CL92869)

Wired control with Wi-Fi⁽¹⁾



KJR-120N(X4W)/BGEF⁽¹⁾
(CL09211)



KJR-120P(X6W)/EF⁽¹⁾
(CL09214)

AIDOO Airzone WIFI⁽¹⁾



AZAI6WSCGM1⁽¹⁾
(CO48080)

WIFI



EU-OSK-105
(CL09001)

Centralised control⁽¹⁾



CCM180A/WS⁽¹⁾
(CL09300)



CCM30/BKE⁽¹⁾
(CL92871)



MD-AC-MBS⁽¹⁾
(CL99097)



MD-AC-KNX⁽¹⁾
(CL94792)



INBACMID⁽¹⁾
(CL99222)

BMS⁽¹⁾

Accessories



Multifunction Module
(CL09403)

⁽¹⁾ The multifunction module (CL09400) is required. In case of using the KJR-120 wired controllers, adding the cable (CL09408) is also required.

⁽²⁾ Connection cable (CL98442) required, not recommended for use with the multifunction module.

⁽³⁾ RG10L5 wireless remote control (CL09110) is required.

Model			MUCNR-09-H14-I	MUCNR-12-H14-I	MUCNR-18-H14-I
Code			UI21570	UI21571	UI21572
EAN Code			8432953059347	8432953059354	8432953059361
Cooling	Nominal capacity (min. ~ max.) ⁽⁴⁾	kW	2.64 (0.36 ~ 3.81)	3.52 (0.76 ~ 4.25)	4.98 (2.64 ~ 5.57)
	Nominal rating ⁽⁵⁾	kW	0.042	0.042	0.052
Heating	Nominal capacity (min. ~ max.) ⁽⁴⁾	kW	2.93 (0.44 ~ 3.96)	3.81 (0.45 ~ 4.69)	5.28 (2.20 ~ 6.30)
	Nominal rating ⁽⁵⁾	kW	0.042	0.042	0.052
Air flow rate (H / M / L)		m ³ /h	600 / 510 / 400	650 / 580 / 490	780 / 690 / 600
Sound pressure (High / Medium / Low)		dB(A)	36.5 / 33.5 / 27.5	37 / 34 / 27 / 23	41 / 38 / 32 / 26
Sound power (High)		dB(A)	50	54	55
Drain connection (OD)		mm	Ø 16	Ø 16	Ø 16
Refrigerant pipes	Liquid	mm (inches)	1/4"	1/4"	1/4"
	Gas	mm (inches)	3/8"	3/8"	1/2"
Dimensions (Width x Height x Depth)		mm	794 x 621 x 206	794 x 621 x 206	794 x 621 x 206
Weight		kg	14.9	14.9	14.9

Notes:

⁽⁴⁾ The nominal capacity may be different depending on the connected outdoor unit and the simultaneity. For more information, please check.

⁽⁵⁾ The indicated consumption only refers to the indoor unit. It must be added to the consumption of the corresponding outdoor unit.

* In order to improve the product, the design and specifications are subject to change without prior notice.

** The sound level values correspond to values obtained in an anechoic chamber.

*** See combinations table.


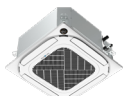
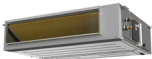


*** In the Multisplit system, the following indoor unit functions will not be available: Silence, Self-cleaning, Eco, Gear, Reverse rotation, Emergency operation and Refrigerant leak detection.

MULTISPLIT



Multisplit selection

1st STEP: Select the power that best suits each of the rooms to be air-conditioned. The following table shows the different powers so you can select the most suitable model for your needs.

Model		9	12	18	24
Capacity		2.6 kW	3.5 kW	5.2 kW	7.0 kW
WALL SPLIT		MUPR-09-H11-I UI20055	MUPR-12-H11-I UI20056	MUPR-18-H11-I UI20057	MUPR-24-H11-I UI20058
		MUPR-09-H14X-I UI20060	MUPR-12-H14X-I UI20061	MUPR-18-H14X-I UI20062	MUPR-24-H14X-I UI20063
CASSETTE		MUCSR-09-H14-I CL21413	MUCSR-12-H14-I CL21414	MUCSR-18-H14-I CL21415	MUCSR-24-H14-I CL21416
DUCT		MUCR-09-H14-I UI21560	MUCR-12-H14-I UI21561	MUCR-18-H14-I UI21562	MUCR-24-H14-I UI21563
CONSOLE		MUCNR-09-H14-I UI21570	MUCNR-12-H14-I UI21571	MUCNR-18-H14-I UI21572	—
DHW		100L		190L	
		MUACSM-100-H14-I UI45300		MUACSM-190-H14-I UI45304	

2nd STEP: Select the outdoor unit that suits the chosen combination of indoor units best.

	2x1 + ACS	3x1 + ACS	3x1 + ACS
	MUEW-18-H14.2	MUEW-27-H14.3	MUEW-28-H14.3
	UE45302	UE45304	UE45305
1 ROOM	ACS 100L	ACS 190L	ACS 100L o 190L
	12	18	18
	18	24	24
2 ROOMS	100L+9	190L+9	100L o 190L+9
	100L+12	190L+12	100L o 190L+12
	100L+18	190L+18	100L o 190L+18
	9+9	190L+24	100L o 190L+24
	9+12	9+9	9+9
	9+18	9+12	9+12
	12+12	9+18	9+18
	12+18	12+12	12+12
		12+18	12+18
		18+18	18+18
3 ROOMS	100L+9+9 ⁽¹⁾	190L+9+9	100L o 190L+9+9
	100L+9+12 ⁽¹⁾	190L+9+12	100L o 190L+9+12
	100L+12+12 ⁽¹⁾	190L+9+18	100L o 190L+9+18
		190L+12+12	100L o 190L+12+12
		190L+12+18	100L o 190L+12+18
		9+9+9	9+9+9
		9+9+12	9+9+12
		9+12+12	9+12+12
		12+12+12	12+12+12
		12+12+18	12+12+18
4 ROOMS		190L+9+9+9	100L o 190L+9+9+9
		190L+9+9+12	100L o 190L+9+9+12
		190L+9+9+18	100L o 190L+9+9+18
		190L+9+12+12	100L o 190L+9+12+12
		190L+9+12+18	100L o 190L+9+12+18
		190L+12+12+12	100L o 190L+12+12+12

 NEW COMBINATIONS

CAPACITY TABLE ACCORDING TO COMBINATION

To consult the capacity table according to the chosen combination, please access the following QR code:



Note: ⁽¹⁾ This combination is NOT possible when any MUCNR-H14-I console-type indoor unit is connected.

Features Description

MUNDCLIMA®

Comfort



WEEKLY TIMER
Sets the weekly operation of the unit.



FOLLOW ME FUNCTION (IFEEL)
The remote control incorporates an ambient temperature sensor.



AUTOMATIC RESTART
Recovery of the parameters before the electrical cut.



EMERGENCY OPERATION
Possibility of manually operating the unit with the button in case of any alarms sounding.



COLD AIR PRECAUTION
When heating, the initial fan speed is adjusted according to the battery temperature.



TURBO OPERATION
Maximum reduction of the cooling/heating time.



LOW SOUND LEVEL
Thanks to the Silence mode and its new design, the sound level is reduced to the minimum.



TEMPERATURE COMPENSATION
The remote control allows you to adjust the compensation temperature for the heating and cooling mode.



FRESH AIR (ION)
The equipment incorporates an ionizer to generate OH(-) and thus purify the air by deactivating bacteria, viruses and other contaminants in the environment, providing a very pleasant feeling of freshness.



BREEZE AWAY
Function that allows the air flow to be diverted to another place to prevent the equipment from blowing directly on people.



QUIETER OUTDOOR UNIT
Optimized design of air outlet grille with noise reduction of 3.3 dB(A) compared to previous models.



WIDE WORKING RANGE
Cooling operation until 50 °C and -15 °C in heating.



NIGHT MODE
Makes the unit operate according to the preset nighttime temperature curve, which creates an ideal nighttime environment and improves sleep quality.



DAILY TIMER
The timer can be set to start and stop at any point in a 24-hour period.



360° DESIGN
Thanks to the 360° panel design, the air is more evenly distributed.



HORIZONTAL AND VERTICAL FLAP ROTATION
Better air distribution thanks to the flap's horizontal and vertical automatic swing.



GEAR
Allows to set the equipment capacity to 50 %, 75 % or 100 % (default).



COLD CATALYST FILTER
The equipment features a purifying filter that can absorb formaldehyde without needing ultra-violet light.



SPRINT START
Like a sprinter, this function allows the compressor to reach 65 Hz in just 6 s.



HUMIDITY CONTROL
In dehumidification mode, the relative humidity control can be set between 35 % and 85 %.



VENTILATION FUNCTION
Allows operation with only ventilation.



THERMOSTAT
It automatically maintains the set temperature.



DEHUMIDIFICATION
Humidity reduction helps restore an optimum temperature in wet areas.



MULTI-SPEED INDOOR FAN
The fan has up to 12 different speeds that are automatically adjusted if the automatic ventilation is activated.



SILENCE
This function allows you to select the ultra-quiet speed, so that the sound level of the equipment is very low.



CONTROL PANEL
A control panel is added to run the machine without any wireless remote control.



DUAL AIR FLOW
Top and bottom air outlet. In cooling mode only the upper outlet works, and in heating mode both outlets work, thus heating from ground level.



CORE GENIUS
The frequency of traditional Inverter equipment has a fluctuation of ± 1 °C of the ambient temperature during operation. However, with the new "CORE GENIUS" Inverter technology that adjusts 0.6 Hz for each step, the frequency variation of the Inverter is so smooth that the ± 0.5 °C fluctuation of the ambient temperature is not noticeable.



INDIVIDUAL FLAP CONTROL
Possibility to adjust the angle of the 4 flaps independently.



120°
The upper slat allows an adjustment at 120°.



BACKLIT WALL CONTROL
The new KJR-120N wired wall controller features a backlit screen for easy reading.



HEATING 8 °C
The unit automatically switches to heating mode when the ambient temperature is below 8 °C, thus preventing the room temperature from being too low when we are not at home.

Connectivity



WIFI
Possibility for the unit to be controlled via WIFI, through an APP.



CENTRALIZED CONTROLLER
Possibility of controlling several units with the same controller.



DOMOTICS
Possibility of connection with the main manufacturers of home automation systems (Consult).

Energy efficiency



ENERGY LABELLING FOR COOLING A+++



ENERGY LABELLING FOR HEATING A+++



ENERGY LABELLING FOR COOLING A++



ENERGY LABELLING FOR HEATING A++



ENERGY LABELLING FOR COOLING A+



ENERGY LABELLING FOR HEATING A+



ENERGY LABELLING FOR COOLING A



ENERGY LABELLING FOR HEATING A



STANDBY FUNCTION (ONLY 1W IN STANDBY)
The outdoor unit is automatically disconnected from the power supply when the unit is in standby, that way the consumption in standby mode is only 1W.



PRESENCE SENSOR
Detects inactivity (30 min) in the room to reduce the operating frequency and thus save energy.

Refrigerant



R410A
Equipment using refrigerant R410A with a GWP of 2088.



R32
Equipment using the most environmentally friendly refrigerant R32 with a GWP of 675. In order to install equipment with R32 refrigerant gas, you must review the current legislation.



R290
Equipment using the new refrigerant R290 which has a GWP of only 3.

Features Description

MUNDCLIMA®

Easy installation and maintenance



REMOVABLE FILTERS

New filter fastening system with tabs to ensure correct fastening without vibrations.



OUTSIDE AIR INLET

Possibility of supplying outdoor air directly on the indoor unit.



DRAINAGE PUMP

Incorporates drainage pump to facilitate the drainage of the indoor unit.



REMINDER CLEANING FILTER

The equipment tells us when to clean and / or replace the air filter of the indoor unit.



PIPE COMPATIBILITY

Possibility of increasing one size over the standard diameter in the gas or liquid pipe or both.



DIGITAL LED DISPLAY

Equipment with a digital display showing the set temperature during normal operation or the ambient temperature in ventilation mode.



LESS SCREWS

Both the indoor unit and the outdoor unit have less screws, so the disassembly is going to be easier.



REFRIGERANT LEAK DETECTION

The unit automatically detects the existence of possible leaks of refrigerant in the circuit.



SELF-CLEANING

This function performs a self cleaning on the indoor unit. When the "SELF-CLEANING" function is activated (SelfClean or iClean buttons), the unit initially operates in cooling mode with the fan at low speed, during this period the condensation water drags the dust from the battery. The unit then switches to heating mode with the fan at low speed, to dry the battery and the inside of the unit. Finally the unit switches to ventilation mode to finish drying completely.



ULTRA-REINFORCED MOUNTING PLATE

Reinforced mounting plate with measuring range and spirit level included.



POWER SUPPLY ONLY TO OUTDOOR UNIT

The indoor unit is powered by the same interconnection cable with the outdoor unit.



SINGLE-FAN OUTDOOR UNITS

Optimize outdoor space thanks to outdoor units with lower height.



HIGH STATIC PRESSURE

Wide static pressure range.



SET TEMPERATURES RANGE ADJUSTMENT

The remote control is able to adjust: Minimum cooling from 16 °C up to 24 °C; Maximum heating from 30 °C up to 25 °C.



LEG IN U FORM

Thanks to the new back leg in the outdoor unit, installation is easier.



LOW VOLTAGE START

The equipment can start up and operate normally up to a supply voltage lower than the nominal voltage.



PROBLEM SOLVING

Error codes are displayed on the indoor panel, the wall control or on the outdoor PCB.



REMOTE SIGNALS (CP)

The indoor unit has an ON/OFF input.



CONFIGURABLE STATIC PRESSURE

From the PCB (or any model with the wireless or wired remote control) the static pressure of the fan can be adjusted, so that the machine can be adapted to each installation.



CONFIGURABLE RETURN

The air intake can be set up either at the rear or at the bottom of the unit. By default, it is set up at the rear.



TWIN FUNCTION (2x1)

Two indoor units can be connected to the same outdoor unit. Both indoor units will function identically as if they were one single unit. It is perfect for open rooms.



REVERSE ROTATION

When the unit is stopped, the outdoor unit fan rotates backwards to remove leaves or other external elements from the coil.



ROTATION & BACK UP

This function allows redundant operation in installations with 2 units connected to the same KJR-120N wired control, in the event that one machine does not reach the set temperature, the two machines will automatically start operating together at 24 °C in the selected mode. At the same time a rotation in the operation of the 2 machines is carried out so that both machines operate for the same amount of time.



AUTO ROUTING

The outdoor unit can assign address to the indoor units automatically.



ENGINEERING MODE

Function adjustment and operating parameters query using the control.



EXTRA FLAT DUCT

Indoor unit height between 200 and 300 mm.



DELIVERY OUTLET TO ADJACENT ROOM

The unit has pre-drilled outlets for connecting a small duct to climatize an adjacent room.



AIR DISCHARGE TUBE TO THE OUTSIDE

Easy and quick to install, it allows the use of the air conditioner immediately.



CONDENSATE REMOVAL

Removes condensate water so it is not necessary to connect the air conditioner to a drain. In dehumidification mode and in very humid environments, it is recommended to connect the equipment to a drain.



PANEL OF COMPACT SIZE

The grid panel of the cassette type unit measures 600x600 mm.



GOLDEN FIN

Heat exchanger with special treatment, which protects the equipment against atmospheric phenomena and the effects of aggressive environments. It also prevents the proliferation of bacteria and mold.



BLUE FIN

Heat exchanger with treatment that protects the equipment against corrosion and the growth of bacteria and mold.



AUTOMATIC REFRIGERANT REFILL

Allows the system to be refilled with refrigerant gas without having to do any additional calculation.



HORIZONTAL / VERTICAL

Equipment that can be installed in both horizontal and vertical position.



META FUNCTION

Advanced air conditioning technology that optimizes temperature, refrigerant and air flow to save energy and maximize the comfort.

Technology



SUPER DC

Equipment that has both, DC Inverter compressor and DC fan motors.



COOLING AT LOW TEMPERATURES

Cooling operation down to -15 °C outside.



HEATING AT LOW TEMPERATURES

Heating operation down to -25 °C outside.



CONSTANT AIR FLOW CONTROL

The indoor fan adjusts to the required static pressure to ensure a constant air supply at all times.



DC

Unit with DC fan motor, low noise and low-energy consumption.



EVI COMPRESSOR

High efficiency asymmetric scroll compressor with steam injection technology.



INPUT 0-10V

Unit with DC fan motor with 0-10V regulation.



OUTPUT 0-10V

Equipment with 0-10V output for the control of an auxiliary valve.



7 SPEED FAN

Unit with DC fan motor with 7 speeds.



DIFFERENT SPEEDS OF THE EXTERNAL FAN

Accurate adjustment of fan speed thanks to the DC motor.



EXV

Equipment with electronic expansion valve, adjusts in a more stable way the capacity of the equipment.

Note: This Features Description is generic, you will find the icons that apply to this data sheet in the header of the first page.