

FLOOR-CEILING TYPE SPLIT MUSTR-H14 Series

MUNDCLIMA®
SUPER DC INVERTER

AIRZONE
COMPATIBLE



RG10A(F2S)BGEF
Included
(CL09100)



Models: 18 to 42

Models: 48 to 60



Power supply to outdoor unit only
The indoor unit is powered by the same interconnection cable with the outdoor unit (4x1 mm²).



Horizontal and vertical louver swing
Better air distribution thanks to the automatic louver swing, horizontal and vertical.



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



Outdoor air inlet
Possibility of supplying outdoor air directly on the indoor unit.



Pipe compatibility
Possibility of increasing a size over the standard diameter in the gas pipe.



Refrigerant leak detection
The unit automatically detects possible refrigerant leaks in the circuit.



Engineering mode
Setting of functions and querying of operating parameters via the RG10 wireless control.



Setpoint temperature range adjustment
The RG10 and KJR-120N controls allow limiting the setpoint temperature.



Temperature compensation
The RG10 remote control allows you to set the compensation temperature for heating and cooling mode.



Remote signals (CP)
The indoor unit has an ON/OFF input and an alarm and operation output.



Automatic restart
Recovery of the adjustments before the electrical cut.



Emergency operation
Possibility of unit operation with the manual button in case of activation of some alarms.



Cold air protection
In heating, the initial fan speed is adjusted in accordance with the coil temperature.



Turbo operation
Cooling/Heating maximum time reduction.



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



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.



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



Cooling in low temperatures
Cooling operation up to -15°C outdoor.



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



R32
Equipment using the most environmentally friendly refrigerant R32



Night Mode
It causes the unit to operate according to the preset nighttime temperature curve, which creates an ideal nighttime environment and improves sleep quality.



Golden Fin
Treatment applied to the heat exchangers to protect the equipment against atmospheric phenomena and the effects of aggressive environments. It also prevents the proliferation of bacteria and mold.



Centralized controller CCM
Possibility to control several units from only one controller. The controller can directly control up to 64 units from different systems (optional).



Wi-Fi
Possibility of controlling the unit via Wi-Fi, through its own module and App (optional).



Single-fan outdoor units
With the redesign of the 14 kW and 16 kW units to a single fan, the entire range has single-fan outdoor units.



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 setpoint 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.

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

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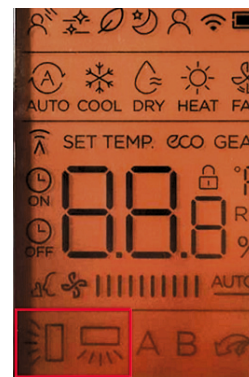
PREMIUM MULTIFUNCTION REMOTE CONTROL



LARGE BACKLIT DISPLAY

The RG10 remote control has a large display to show all the functions of the new equipment, for example:

- Fan speed adjustment from 1% to 100% in 1% increments.
- Functions: "Sleep", "Follow me", "Clean", "Turbo", "LED", "Swing", "ECO", "Gear" and Timer.



MULTIPLE CONFIGURATIONS

It also allows the adjustment of different functions of the equipment.

Set the parameters as desired:

Function	Adjustment
Auto-restart function	Active/Inactive
Temperature compensation	Adjust the value from 0 °C to 6 °C
Fan speed setting	Adjust fan speed as desired
Temperature range setting	Minimum cooling from 16°C up to 24°C; Maximum heating from 30 °C up to 25 °C

and much more!

SAVE TIME IN MAINTENANCE

Finally, the new remote control also allows you to check operating parameters.

Check the operating frequency or temperature of all sensors of the equipment easily through the indoor unit's display.

RG10A(F2S)BGEF
(CL09100)

ENGINEERING MODE MANUAL

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

discover all the possibilities!



H14 FLOOR-CEILING TYPE SPLIT



SPECIFICATIONS

Model			MUSTR-18-H14	MUSTR-24-H14	MUSTR-30-H14	MUSTR-36-H14	
Set code			CL21552	CL21553	CL21554	CL21555	
EAN set code			8432953058753	8432953058760	8432953058777	8432953058784	
Cooling	Nominal capacity (min. - max.)	kW	5.28 (2.71 ~ 5.86)	7.03 (3.22 ~ 7.95)	8.79 (2.23 ~ 9.38)	10.55 (2.73 ~ 11.43)	
	Nominal consumption (min. - max.)	kW	1.45 (0.67 ~ 2.27)	2.30 (0.75 ~ 2.73)	2.75 (0.19 ~ 3.00)	3.90 (0.90 ~ 4.25)	
	Pdesignc (design load)	kW	5.4	7.1	10.5	10.5	
	SEER	W/W	6.2	6.3	6.4	6.4	
	Energy labeling		A++	A++	A++	A++	
	Seasonal energy efficiency for space cooling	ηs,c (%)	--	--	--	--	
	Annual electricity consumption	kWh/year	305	394	574	574	
Heating	Nominal capacity (min. - max.)	kW	5.57 (2.42 ~ 6.30)	7.62 (2.72 ~ 8.50)	9.38 (2.70 ~ 9.73)	11.72 (2.78 ~ 12.78)	
	Nominal consumption (min. - max.)	kW	1.50 (0.54 ~ 1.64)	1.98 (0.65 ~ 2.94)	2.45 (0.43 ~ 2.55)	3.35 (0.80 ~ 3.95)	
	Intermediate climate zone	Pdesignh (design load)	kW	4.0	5.9	8.6	8.6
		SCOP	W/W	4.0	4.1	4.1	4.1
		Energy labeling		A+	A+	A+	A+
		Seasonal energy efficiency for space heating	ηs,h (%)	--	--	--	--
	Annual electricity consumption	kWh/year	1,400	2,015	2,937	2,937	
	Tbiv (bivalent temperature)	°C	-7	-7	-7	-7	
	Warm climate zone	Pdesignh (design load)	kW	5.1	5.7	10.2	10.2
		SCOP	W/W	5.1	5.4	5.1	5.1
		Energy labeling		A+++	A+++	A+++	A+++
		Annual electricity consumption	kWh/year	1,400	1,478	2,800	2,800
	Tbiv (bivalent temperature)	°C	2	2	2	2	
	Tol (Operating limit temp.)	°C	-15	-15	-15	-15	
	Indoor unit	Model		MUSTR-18-H14-I	MUSTR-24-H14-I	MUSTR-30-H14-I	MUSTR-36-H14-I
Code		UI21552	UI21553	UI21554	UI21555		
EAN Code		8432953059187	8432953059194	8432953059200	8432953059217		
Air flow rate (High / Medium / Low)		m³/h	958 / 839 / 723	1,192 / 1,023 / 853	1,955 / 1,728 / 1,504	1,955 / 1,728 / 1,504	
Sound pressure (High / Medium/ Low/ Silence)		dB (A)	44 / 41 / 37 / 24	49.5 / 45.5 / 36.5 / 22.5	51.5 / 48 / 45 / 39	51.5 / 48 / 45 / 39	
Sound power (High)		dB (A)	57	63	64	64	
Drain connection (OD)		mm	Ø 25	Ø 25	Ø 25	Ø 25	
Fresh air intake (*)		mm	Ø 120	Ø 120	Ø 120	Ø 120	
Dimensions (Width x Height x Depth)		mm	1,068 x 235 x 675	1,068 x 235 x 675	1,650 x 235 x 675	1,650 x 235 x 675	
Weight		kg	28	28	41.5	41.5	
Outdoor unit	Model		MUER-18-H14-E	MUER-24-H14-E	MUER-30-H14-E	MUER-36-H14-E	
	Code		UE21542	UE21543	UE21544	UE21545	
	EAN Code		8432953059026	8432953059033	8432953059040	8432953059057	
	Air flow (High)	m³/h	2,100	3,500	4,000	4,000	
	Sound pressure (High)	dB (A)	59	60.5	63	63	
	Sound power (High)	dB (A)	65	69	70	70	
	Compressor (Brand / Model)		GMCC / KSN140D21UFZ	GMCC / KTM240D46UKT2	GMCC / KTM240D43UKT	GMCC / KTF310D43UMT	
	Dimensions (Width x Height x Depth)	mm	805 x 554 x 330	890 x 673 x 342	946 x 810 x 410	946 x 810 x 410	
Weight	kg	32.5	41.9	51	66.9		
Refrigerant	Type / GWP		R32 / 675	R32 / 675	R32 / 675	R32 / 675	
	Load	kg	1.15	1.4	1.8	2.4	
	CO ₂ equivalence	TCO ₂ eq	0.776	0.945	1.215	1.620	
	Preload until	m	5	5	5	5	
	Additional load (from 5 m)	g / m	12	24	24	24	
Refrigeration pipes	Liquid	mm (inch)	1/4"	3/8"	3/8"	3/8"	
	Gas	mm (inch)	1/2"	5/8"	5/8"	5/8"	
	Maximum length (*)	m	30	50	50	75	
	Max. height difference	m	20	25	25	30	
Electrical data (*)	Power supply	V-Hz-Ph	220-240 ~ 50, 1N	220-240 ~ 50, 1N	220-240 ~ 50, 1N	220-240 ~ 50, 1N	
	Maximum consumption	kW	2.95	3.7	4.5	5	
	Max. current	A	13.5	19	20	22.5	
	Power cord (outdoor unit)	mm²	2 x 2.5 + T	2 x 2.5 + T	2 x 2.5 + T	2 x 4 + T	
	Interconnection cable	mm²	3 x 1 + T	3 x 1 + T	3 x 1 + T	3 x 1 + T	
Operation temperature	Indoor (Cooling / Heating)	°C	16 ~ 32 / 0 ~ 30	16 ~ 32 / 0 ~ 30	16 ~ 32 / 0 ~ 30	16 ~ 32 / 0 ~ 30	
	Outdoor (Cooling / Heating)	°C	-15 ~ 50 / -15 ~ 24	-15 ~ 50 / -15 ~ 24	-15 ~ 50 / -15 ~ 24	-15 ~ 50 / -15 ~ 24	

Notes:

(*) Inner diameter.

(*) Minimum pipe length: 3 m.

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

* The above design and specifications are subject to change of product improvement without prior notice.

** The values of noise level match with values obtained in the anechoic chamber.

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SPECIFICATIONS

Model			MUSTR-42-H14	MUSTR-48-H14	MUSTR-48-H14T	MUSTR-60-H14T	
Set code			CL21556	CL21557	CL21558	CL21559	
EAN set code			8432953058791	8432953058807	8432953058814	8432953058821	
Cooling	Nominal capacity (min. - max.)	kW	12.10 (2.93 ~ 12.31)	14.07 (3.52 ~ 15.83)	14.07 (3.52 ~ 15.24)	15.24 (4.10 ~ 16.12)	
	Nominal consumption (min. - max.)	kW	4.20 (0.68 ~ 4.35)	5.00 (0.81 ~ 6.35)	5.00 (0.91 ~ 6.20)	5.90 (1.10 ~ 6.50)	
	Pdesignc (design load)	kW	14.0	14.0	14.0	15.3	
	SEER	W/W	6.1	6.1	6.1	6.1	
	Energy labeling		A++	A++	A++	A++	
	Seasonal energy efficiency for space cooling	ηs,c (%)	--	241.0	241.0	240.8	
	Annual electricity consumption	kWh/year	1,377	1,377	1,377	1,505	
Heating	Nominal capacity (min. - max.)	kW	13.48 (3.37 ~ 14.07)	16.12 (4.10 ~ 17.30)	16.12 (4.10 ~ 17.59)	18.17 (4.40 ~ 19.35)	
	Nominal consumption (min. - max.)	kW	3.70 (0.75 ~ 4.25)	4.75 (0.91 ~ 6.05)	4.80 (0.95 ~ 5.95)	5.95 (1.12 ~ 6.35)	
	Intermediate climate zone	Pdesignh (design load)	kW	11.2	11.2	11.2	11.8
		SCOP	W/W	4.0	4.0	4.0	4.0
		Energy labeling		A+	A+	A+	A+
		Seasonal energy efficiency for space heating	ηs,h (%)	--	157.0	156.8	156.9
		Annual electricity consumption	kWh/year	3,920	3,920	3,920	4,130
	Warm climate zone	Tbiv (bivalent temperature)	°C	-7	-7	-7	-7
		Pdesignh (design load)	kW	11.5	11.5	11.5	11.5
		SCOP	W/W	5.1	5.1	5.1	5.1
		Energy labeling		A+++	A+++	A+++	A+++
		Annual electricity consumption	kWh/year	3,157	3,157	3,157	3,157
	Tbiv (bivalent temperature)	°C	2	2	2	2	
	Tol (Operating limit temp.)	°C	-15	-15	-15	-15	
	Indoor unit	Model		MUSTR-42-H14-I	MUSTR-48-H14-I	MUSTR-48-H14-I	MUSTR-60-H14-I
Code		UI21556	UI21558	UI21558	UI21559		
EAN Code		8432953059224	8432953059231	8432953059231	8432953059248		
Air flow rate (High / Medium / Low)		m³/h	2,100 / 1,850 / 1,600	2,100 / 1,850 / 1,600	2,100 / 1,850 / 1,600	2,200 / 1,950 / 1,650	
Sound pressure (High / Medium/ Low/ Silence)		dB (A)	53 / 50 / 45 / 36	53 / 49 / 42.5 / 36	51 / 49 / 43 / 35	53 / 50 / 42 / 36	
Sound power (High)		dB (A)	67	67	68	70	
Drain connection (OD)		mm	Ø 25	Ø 25	Ø 25	Ø 25	
Fresh air intake (**)		mm	Ø 120	Ø 120	Ø 120	Ø 120	
Dimensions (Width x Height x Depth)		mm	1,650 x 235 x 675	1,650 x 235 x 675	1,650 x 235 x 675	1,650 x 235 x 675	
Weight		kg	41.7	41.7	41.7	42.3	
Outdoor unit	Model		MUER-42-H14-E	MUER-48-H14-E	MUER-48-H14T-E	MUER-60-H14T-E	
	Code		UE21546	UE21547	UE21548	UE21549	
	EAN Code		8432953059064	8432953059071	8432953059088	8432953059095	
	Air flow (High)	m³/h	4,000	5,600	5,600	5,600	
	Sound pressure (High)	dB (A)	67	64	64	65	
	Sound power (High)	dB (A)	74	74	73	75	
	Compressor (Brand / Model)		GMCC / KTF310D43UMT	GMCC / KTQ420D1UMU	GMCC / KTQ420D1UMU	GMCC / KTQ420D1UMU	
	Dimensions (Width x Height x Depth)	mm	946 x 810 x 410	980 x 975 x 375	980 x 975 x 375	980 x 975 x 375	
Weight	kg	71	82.5	90	92		
Refrigerant	Type / GWP		R32 / 675	R32 / 675	R32 / 675	R32 / 675	
	Load	kg	2.8	2.9	2.9	3.2	
	CO ₂ equivalence	TCO ₂ eq	1.890	1.96	1.96	2.160	
	Preload until	m	5	5	5	5	
	Additional load (from 5 m)	g / m	24	24	24	24	
Refrigeration pipes	Liquid	mm (inch)	3/8"	3/8"	3/8"	3/8"	
	Gas	mm (inch)	5/8"	5/8"	5/8"	5/8"	
	Maximum length (**)	m	75	75	75	75	
	Max. height difference	m	30	30	30	30	
Electrical data (***)	Power supply	V-Hz-Ph	220-240 ~ 50, 1N	220-240 ~ 50, 1N	380-415 ~ 50, 3N	380-415 ~ 50, 3N	
	Maximum consumption	kW	5	7.3	7.3	7.5	
	Max. current	A	22.5	32	14	14	
	Power cord (outdoor unit)	mm ²	2 x 4 + T	2 x 6 + T	4 x 2.5 + T	4 x 2.5 + T	
	Interconnection cable	mm ²	3 x 1 + T	3 x 1 + T	3 x 1 + T	3 x 1 + T	
Operation temperature	Indoor (Cooling / Heating)	°C	16 ~ 32 / 0 ~ 30	16 ~ 32 / 0 ~ 30	16 ~ 32 / 0 ~ 30	16 ~ 32 / 0 ~ 30	
	Outdoor (Cooling / Heating)	°C	-15 ~ 50 / -15 ~ 24	-15 ~ 50 / -15 ~ 24	-15 ~ 50 / -15 ~ 24	-15 ~ 50 / -15 ~ 24	

Notes:

(*) Inner diameter.

(**) Minimum pipe length: 3 m.

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

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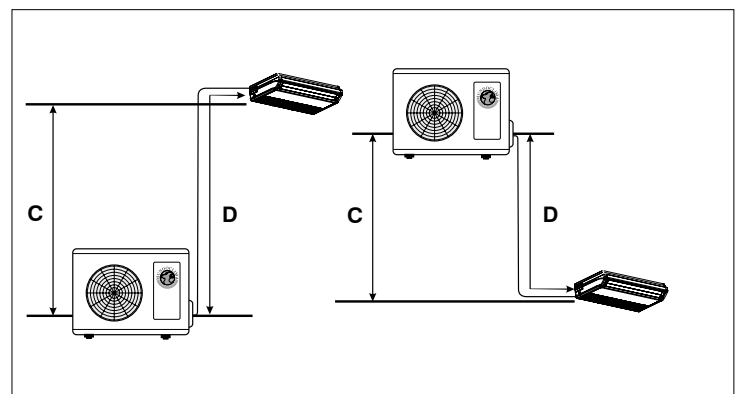
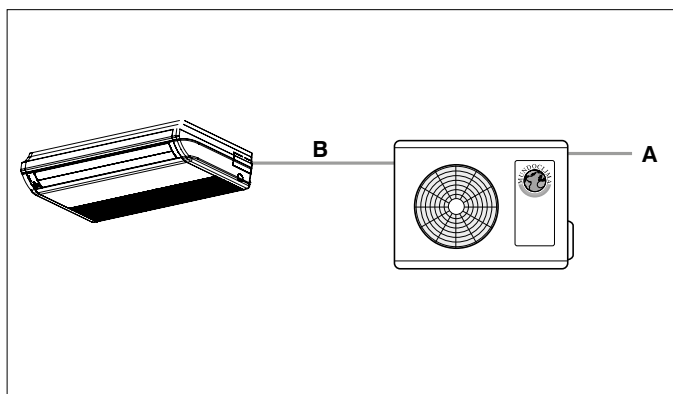


ELECTRICAL WIRING

Model	Power supply (outdoor unit only)		Interconnection (B)	Wired control (E)
	Type	Section (A)		
18-H14	230 V (1N~)	2 x 2.5 + T (mm ²)	3 x 1 + T (mm ²)	2 x 0.5 + T (mm ²)
24-H14	230 V (1N~)	2 x 2.5 + T (mm ²)	3 x 1 + T (mm ²)	2 x 0.5 + T (mm ²)
30-H14	230 V (1N~)	2 x 2.5 + T (mm ²)	3 x 1 + T (mm ²)	2 x 0.5 + T (mm ²)
36-H14	230 V (1N~)	2 x 4 + T (mm ²)	3 x 1 + T (mm ²)	2 x 0.5 + T (mm ²)
42-H14	230 V (1N~)	2 x 4 + T (mm ²)	3 x 1 + T (mm ²)	2 x 0.5 + T (mm ²)
48-H14	230 V (1N~)	2 x 6 + T (mm ²)	3 x 1 + T (mm ²)	2 x 0.5 + T (mm ²)
48-H14T	400V (3N~)	4 x 2.5 + T (mm ²)	3 x 1 + T (mm ²)	2 x 0.5 + T (mm ²)
60-H14T	400V (3N~)	4 x 2.5 + T (mm ²)	3 x 1 + T (mm ²)	2 x 0.5 + T (mm ²)

REFRIGERATION PIPES AND ADDITIONAL CHARGE (R-32)

Model	Pipe		Max. distance		Additional refrigerant charge	Preload until
	Liquid	Gas	Vertical (C)	Total (D)		
18-H14	1/4"	1/2"	20 m	30 m	12 g/m	5 m
24-H14	3/8"	5/8"	25 m	50 m	24 g/m	5 m
30-H14	3/8"	5/8"	25 m	50 m	24 g/m	5 m
36-H14	3/8"	5/8"	30 m	75 m	24 g/m	5 m
42-H14	3/8"	5/8"	30 m	75 m	24 g/m	5 m
48-H14	3/8"	5/8"	30 m	75 m	24 g/m	5 m
48-H14T	3/8"	5/8"	30 m	75 m	24 g/m	5 m
60-H14T	3/8"	5/8"	30 m <td 75 m	24 g/m	5 m	



OPTIONALS

Wireless control



RG10A1 (F2S)BGEF
(CL97807)

More information of the optionals in "MUNDOCLIMA CONTROL SYSTEMS"

RECOMMENDED

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

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

KJR-120P(X6W)/EF
(White)
(CL09215)

Wired control with Wi-Fi



MD-AC-MBS
(CL99097/
CL99114-116)



MD-AC-KNX
(CL94792 /
CL99094-095)



INBACMID
(CL99222 /
CL99210)

BMS



CCM180A/WS
(CL09300)



CCM30/BKE
(CL92871)



CCM-15(A)
(CL92872)

Centralized controller

Accessories



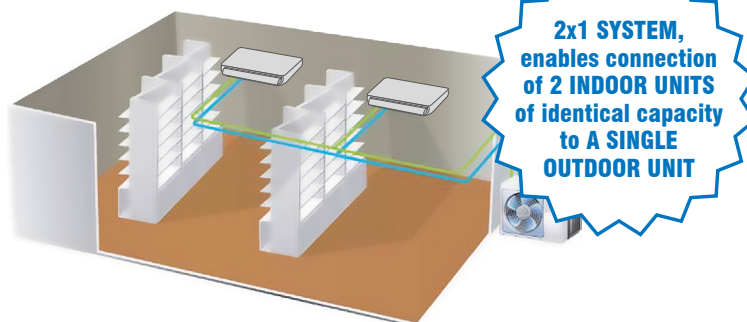
JC-02
(CL94724)



M-CHECK
(CL09410)

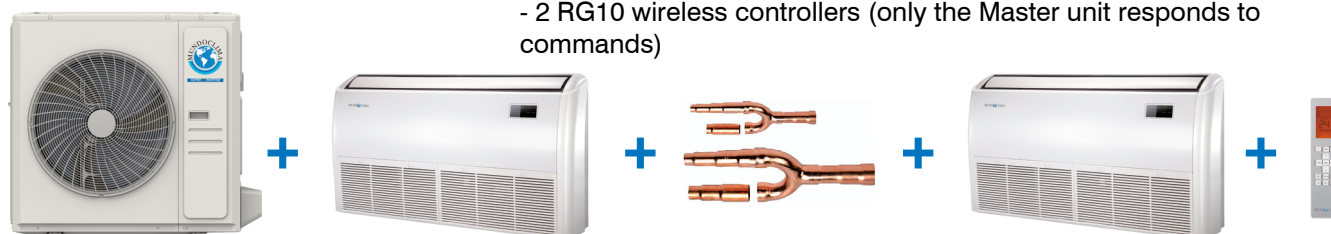
H14 FLOOR-CEILING TYPE SPLIT FLOOR-CEILING TWIN SYSTEM (2x1)

MUNDCLIMA®
SUPER DC INVERTER



Floor-Ceiling Twin Systems (2x1) include: - 1 outdoor unit (single fan axial).

- 2 indoor units ceiling-floor with the same capacity.
- 1 branch pipe FQZHN-01D.
- 2 RG10 wireless controllers (only the Master unit responds to commands)



Indoor units must be configured as Main and Secondary, the configuration must be made on the SW8 microswitch of the indoor units. For more information, please refer to the installation manual.

To calculate the additional gas charge in the Twin system, see section 6. "REFRIGERANT PIPE" in the User and Installation Manual.

IMPORTANT: In Twin systems, the indoor units ALWAYS work together and uniformly. THEY CANNOT WORK INDEPENDENTLY.

SPECIFICATIONS

Model			MUSTR-18X2-H14	MUSTR-24X2-H14	MUSTR-24X2-H14T
Set code			CL21925	CL21926	CL21927
Nominal capacity	Cooling	kW	5.28 + 5.28	7.03 + 7.03	7.03 + 7.03
	Heating	kW	5.57 + 5.57	7.62 + 7.62	7.62 + 7.62
Indoor units	Model		MUSTR-18-H14-I	MUSTR-24-H14-I	MUSTR-24-H14-I
	Code		UI21552	UI21553	UI21553
	Quantity		2	2	2
Outdoor unit	Model		MUER-36-H14-E	MUER-48-H14-E	MUER-48-H14T-E
	Code		UE21545	UE21547	UE21548
	Quantity		1	1	1
Branch pipe	Model		FQZHN-01D	FQZHN-01D	FQZHN-01D
	Code		CL09500	CL09500	CL09500
	Quantity		1	1	1
Refrigeration pipes	Outdoor unit until branch pipe (Liq./Gas)	inch	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"
	Indoor units until branch pipe (Liq./Gas)	inch	1/4" - 1/2"	3/8" - 5/8"	3/8" - 5/8"
Electrical data ^(*)	Power supply	V-Hz-Ph	220-240 ~ 50, 1N	220-240 ~ 50, 1N	380-415 ~ 50, 3N
	Maximum consumption	kW	5	7.3	7.3
	Max. current	A	22.5	32	14
	Power cord (outdoor unit)	mm ²	2 x 4 + T	2 x 6 + T	4 x 2.5 + T
	Interconnection cable (outdoor and main indoor unit)	mm ²	3 x 1 + T	3 x 1 + T	3 x 1 + T
	Cables between indoor units (Main/Secondary) ^(*)	mm ²	3 x 0.75 (shielded) + 2 x 1 + T		

Notes:

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

(*2) For the connection between indoor units, two cables must be used, one 3 x 75 mm² shielded cable and one 2 x 1+T cable for the power supply of the secondary indoor units. Never use the same cable for power and interconnection.