

# DUCT TYPE SPLIT

## MUCR-H14 Series

### HORIZONTAL AND VERTICAL INSTALLATION <sup>(2)</sup>



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



Models: 09 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 (4 x 1 mm<sup>2</sup>).



**Extra flat duct**  
Height of the indoor unit: from 200 mm.



**Drainage pump**  
Incorporates drainage pump to facilitate the drainage of the indoor unit. (In model 09 the condensate pump is located outside the unit)



**Complete weekly timer**  
Sets the weekly operation of the unit.



**Follow Me Function (iFeel)**  
The remote control incorporates an ambient temperature sensor.



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



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



**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.



**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**  
Function adjustment and operating parameters query.



**Setpoint temperature range adjustment**  
The KJR-120N wired remote control allows limiting the setpoint temperature.



**Temperature compensation**  
The KJR-120N remote control allows you to set the compensation temperature for heating and cooling mode.



**Constant airflow control**  
Through the KJR-120N wired control, the "AF" function can be activated, so that the indoor unit will always adjust the static pressure of the fan according to the pressure drop of the ductwork.



**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.



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



**Turbo operation**  
Maximum cooling/heating time reduction.



**GEAR**  
It allows the equipment capacity to be set to 50%, 75% or 100% (default). Only via the optional RG10 remote control.



**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.



**Twin function (2x1, 3x1, 4x1)**  
Possibility to connect up to 4 indoor units to the same outdoor unit.  
All units will function identically as if they were one single unit.



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



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



**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.



**Backlit wired wall control**  
The new KJR-120N wired wall-mounted control has a backlit display for an easy reading.



**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.



**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.

(2) Except for models 09 and 12 where only horizontal installation is possible.

**H14 DUCT TYPE SPLIT****WIRED WI-FI REMOTE CONTROL**

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

**MORE FUNCTIONS**

The KJR-120N wired remote control has a host of new functions and features, including:

- "Follow Me (iFeel)" Function
- Weekly timer (8 complete periods)
- Possibility to lock the keyboard
- Possibility of limiting the setpoint temperature range and the operating modes
- Displays error codes
- Backlit
- Built-in infrared receiver
- Parameter query and adjustment function
- "Rotation" and "Back up" functions
- "GEAR" and "Night" functions
- Centralized control of up to 16 indoor units

**MULTIPLE CONFIGURATIONS**

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

Set the parameters as desired:

Function	Adjustment
<b>Static pressure</b>	Adjust the desired static pressure or the Constant Airflow Control
<b>Temperature compensation</b>	Adjust the value from -5 °C to +5 °C
<b>Limitation of operating modes</b>	Disable/enable an operating mode
<b>Temperature range setting</b>	Minimum cooling from 17 °C up to 24 °C; Maximum heating from 30 °C up to 25 °C

**ONLY 2 WIRES**

Allows connection to the indoor unit by means of 2 wires without polarity.  
(the use of shielded cable is recommended)

**CONTROL YOUR EQUIPMENT FROM ANYWHERE**

Thanks to the wireless connectivity via Wi-Fi built into the wall control, you can control the air conditioner from anywhere.

Download the app



NetHome  
Plus



## H14 DUCT TYPE SPLIT



## SPECIFICATIONS

Model	MUCR-09-H14	MUCR-12-H14	MUCR-18-H14	MUCR-24-H14	MUCR-30-H14	
Set code	CL21560	CL21561	CL21562	CL21563	CL21564	
EAN set code	8432953058838	8432953058845	8432953058852	8432953058869	8432953058876	
Cooling	Nominal capacity (min. - max.)	kW	2.64 (0.35 ~ 3.82)	3.52 (0.53 ~ 3.91)	5.28 (1.32 ~ 6.16)	
	Nominal consumption (min. - max.)	kW	0.72 (0.13 ~ 1.18)	1.16 (0.15 ~ 1.46)	1.59 (0.36 ~ 2.13)	
	Pdesignh (design load)	kW	2.6	3.5	5.3	
	SEER	W/W	6.5	6.5	6.5	
	Energy labeling		A++	A++	A++	
	Seasonal energy efficiency for space cooling	ηs,c (%)	--	--	--	
	Annual electricity consumption	kWh/year	140	188	285	
Heating	Nominal capacity (min. - max.)		2.93 (0.94 ~ 3.48)	3.81 (1.00 ~ 4.47)	6.01 (1.50 ~ 6.31)	
	Nominal consumption (min. - max.)		0.85 (0.29 ~ 0.85)	1.28 (0.30 ~ 1.42)	1.61 (0.50 ~ 1.85)	
	Average climate zone	Pdesignh (design load)	kW	2.1	2.7	
		SCOP	W/W	4.1	4.1	
		Energy labeling		A+	A+	
		Seasonal energy efficiency for space heating	ηs,h (%)	--	--	
	Annual electricity consumption	kWh/year	717	922	1,468	
	Tbiv	°C	-7	-7	-7	
	Warm climate zone	Pdesignh (design load)	kW	2.8	3.4	
		SCOP	W/W	5.1	5.1	
		Energy labeling		A+++	A+++	
		Annual electricity consumption	kWh/year	769	933	
	Tbiv (bivalent temperature)	°C	2	2	2	
	Tol (Operating limit temp.)	°C	-15	-15	-15	
Indoor unit	Model	MUCR-09-H14-I	MUCR-12-H14-I	MUCR-18-H14-I	MUCR-24-H14-I	MUCR-30-H14-I
	Code	UI21560	UI21561	UI21562	UI21563	UI21564
	EAN Code	8432953059255	8432953059262	8432953059279	8432953059286	8432953059293
	Air flow rate (High / Medium / Low)	m³/h	620 / 540 / 450	660 / 570 / 470	900 / 780 / 650	1,200 / 1,000 / 700
	Static pressure	Pa	25	25	25	37
	Nominal	Pa	0 ~ 80	0 ~ 100	0 ~ 160	0 ~ 160
	Adjustable	Pa				
	Sound pressure (High / Medium / Low / Silence) (*4)	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 (*1)	mm	1,000	1,000	1,000	1,000
Outdoor unit	Fresh air intake (*2)	mm	Ø 92	Ø 92	Ø 100	Ø 100
	Dimensions (Width x Height x Depth)	mm	700 x 200 x 506 (*6)	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
	Model	MUER-09-H14-E	MUER-12-H14-E	MUER-18-H14-E	MUER-24-H14-E	MUER-30-H14-E
	Code	UE21540	UE21541	UE21542	UE21543	UE21544
	EAN Code	8432953059002	8432953059019	8432953059026	8432953059033	8432953059040
	Air flow (High)	m³/h	2,200	2,200	2,100	3,500
Refrigerant	Sound pressure (High)	dB (A)	53	55.5	59	60
	Sound power (High)	dB (A)	62	62	62	69
	Compressor (Brand / Model)		GMCC / KSK103D33UEZ3	GMCC / KSN98D64UFZ3	GMCC / KSN140D21UFZ	GMCC / KTM240D46UKT2
	Dimensions (Width x Height x Depth)	mm	765 x 555 x 303	765 x 555 x 303	805 x 554 x 330	890 x 673 x 342
	Weight	kg	24.6	26.6	32.5	41.9
	Type / GWP		R32 / 675	R32 / 675	R32 / 675	R32 / 675
	Load	kg	0.65	0.71	1.15	1.4
Refrigeration pipes	CO <sub>2</sub> equivalence	TCO <sub>2</sub> eq	0.439	0.479	0.776	0.945
	Preload until	m	5	5	5	5
	Additional load (from 5 m)	g / m	12	12	12	24
	Liquid	mm (inch)	1/4"	1/4"	1/4"	3/8"
Electrical data (*5)	Gas	mm (inch)	3/8"	3/8"	1/2"	5/8"
	Maximum length (*3)	m	25	25	30	50
	Max. height difference	m	10	10	20	25
Operating temperature	Power supply	V-Hz-Ph	220-240 ~ 50, 1N	220-240 ~ 50, 1N	220-240 ~ 50, 1N	220-240 ~ 50, 1N
	Maximum consumption	kW	1.82	1.85	2.95	3.7
	Max. current	A	8.5	9	13.5	19
	Power cord (outdoor unit)	mm <sup>2</sup>	2 x 2.5 + T	2 x 2.5 + T	2 x 2.5 + T	2 x 2.5 + T
	Communication cable	mm <sup>2</sup>	3 x 1 + T	3 x 1 + T	3 x 1 + T	3 x 1 + T
Notes:	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

(\*1) Pump height measured from the unit shaft. The elbow is set horizontally at 200 mm maximum.

(\*2) Inner diameter.

(\*3) Minimum pipe length: 3 m.

(\*4) The "Silence" mode is only selectable via the RG10 wireless remote control.

(\*5) 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.

(\*6) The dimensions do not include the external condensate pump, consult the installation manual.

\* 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.

## H14 DUCT TYPE SPLIT

## SPECIFICATIONS



Model	MUCR-36-H14	MUCR-42-H14	MUCR-48-H14	MUCR-48-H14T	MUCR-60-H14T			
Set code	CL21565	CL21566	CL21567	CL21568	CL21569			
EAN set code	8432953058883	8432953058890	8432953058906	8432953058913	8432953058920			
Cooling	Nominal capacity (min. - max.)	kW	10.55 (2.75 ~ 11.73)	12.11 (2.93 ~ 12.31)	14.07 (3.52 ~ 14.95)	14.07 (3.52 ~ 15.83)	15.24 (4.10 ~ 17.29)	
	Nominal consumption (min. - max.)	kW	3.95 (0.90 ~ 4.30)	4.00 (0.68 ~ 4.50)	4.70 (0.81 ~ 6.15)	4.50 (0.81 ~ 6.45)	5.25 (1.03 ~ 6.65)	
	Pdesignh (design load)	kW	10.5	12.1	14.0	14.0	15.3	
	SEER	W/W	6.3	6.1	6.1	6.1	6.1	
	Energy labeling		A++	A++	A++	A++	A++	
	Seasonal energy efficiency for space cooling	ηs,c (%)	--	241.0	229	241.0	241.0	
	Annual electricity consumption	kWh/year	583	1,190	1,377	1,377	1,505	
Heating	Nominal capacity (min. - max.)		11.72 (2.78 ~ 12.61)	13.48 (3.37 ~ 14.07)	16.12 (4.11 ~ 17.30)	16.12 (4.10 ~ 18.17)	18.18 (4.40 ~ 20.52)	
	Nominal consumption (min. - max.)		3.25 (0.80 ~ 3.95)	3.55 (0.75 ~ 4.10)	4.60 (0.95 ~ 5.70)	4.60 (0.95 ~ 5.80)	5.15 (0.95 ~ 6.60)	
	Average climate zone	Pdesignh (design load)	kW	8.4	9.5	11.5	12.5	
		SCOP	W/W	4.1	4.1	4.0	4.0	
		Energy labeling		A+	A+	A+	A+	
		Seasonal energy efficiency for space heating	ηs,h (%)	--	161.0	157.0	157.1	
	Annual electricity consumption	kWh/year	2,868	3,244	4,025	4,025	4,375	
	Tbiv	°C	-7	-7	-7	-7	-7	
	Warm climate zone	Pdesignh (design load)	kW	10	10.2	11.5	11.2	12.8
		SCOP	W/W	5.1	5.1	5.1	5.1	5.1
		Energy labeling		A+++	A+++	A+++	A+++	A+++
		Annual electricity consumption	kWh/year	2,745	2,800	3,157	3,075	3,514
	Tbiv (bivalent temperature)	°C	2	2	2	2	2	-15
	Tol (Operating limit temp.)	°C	-15	-15	-15	-15	-15	-15
Indoor unit	Model	MUCR-36-H14-I	MUCR-42-H14-I	MUCR-48-H14-I	MUCR-48-H14-I	MUCR-60-H14-I		
	Code	UI21565	UI21566	UI21568	UI21568	UI21569		
	EAN Code	8432953059309	8432953059316	8432953059323	8432953059323	8432953059330		
	Air flow rate (High / Medium / Low)	m³/h	1,700 / 1,400 / 1,100	2,000 / 1,700 / 1,300	2,000 / 1,700 / 1,300	2,000 / 1,700 / 1,300	2,200 / 1,900 / 1,500	
	Static pressure	Nominal	Pa	37	50	50	50	
		Adjustable	Pa	0 ~ 160	0 ~ 160	0 ~ 160	0 ~ 160	
	Sound pressure (High / Medium / Low / Silence) (*4)	dB (A)	38 / 36 / 33	39 / 37.5 / 36	46 / 44 / 42	43.5 / 41.5 / 39.5	44.5 / 43 / 41.5	
	Sound power (High)	dB (A)	62	62	64	65	66	
	Drain connection (OD)	mm	Ø 25					
	Drain pump height (*1)	mm	1,000	1,000	1,000	1,000	1,000	
Outdoor unit	Fresh air intake (*2)	mm	Ø 100	Ø 100	Ø 100	Ø 100	Ø 125	
	Dimensions (Width x Height x Depth)	mm	1,200 x 245 x 750	1,200 x 300 x 750				
	Weight	kg	38.4	40.6	40.4	40.4	42.9	
	Model	MUER-36-H14-E	MUER-42-H14-E	MUER-48-H14-E	MUER-48-H14-T-E	MUER-60-H14-T-E		
	Code	UE21545	UE21546	UE21547	UE21548	UE21549		
	EAN Code	8432953059057	8432953059064	8432953059071	8432953059088	8432953059095		
	Air flow (High)	m³/h	4,000	4,000	5,600	5,600	5,600	
Refrigerant	Sound pressure (High)	dB (A)	65	63.5	64.5	64.5	64	
	Sound power (High)	dB (A)	70	71	74	73	74	
	Compressor (Brand / Model)		GMCC / KTF310D43UMT	GMCC / KTF310D43UMT	GMCC / KTQ420D1UMU	GMCC / KTQ420D1UMU	GMCC / KTQ420D1UMU	
	Dimensions (Width x Height x Depth)	mm	946 x 810 x 410	946 x 810 x 410	980 x 975 x 375	980 x 975 x 375	980 x 975 x 375	
	Weight	kg	66.9	71	82.5	90	92	
	Type / GWP		R32 / 675					
	Load	kg	2.4	2.8	2.9	2.9	3.2	
Refrigeration pipes	CO <sub>2</sub> equivalence	TCO,eq	1.620	1.890	1.96	1.96	2.16	
	Preload until	m	5	5	5	5	5	
	Additional load (from 5 m)	g / m	24	24	24	24	24	
	Liquid	mm (inch)	3/8"	3/8"	3/8"	3/8"	3/8"	
	Gas	mm (inch)	5/8"	5/8"	5/8"	5/8"	5/8"	
Electrical data (*5)	Maximum length (*3)	m	75	75	75	75	75	
	Max. height difference	m	30	30	30	30	30	
	Power supply	V-Hz-Ph	220-240 ~ 50, 1N	220-240 ~ 50, 1N	220-240 ~ 50, 1N	380-415 ~ 50, 3N	380-415 ~ 50, 3N	
	Maximum consumption	kW	5	5	7.3	7.3	7.5	
	Max. current	A	22.5	22.5	32	14	14	
Operating temperature	Power cord (outdoor unit)	mm²	2 x 4 + T	2 x 4 + T	2 x 6 + T	4 x 2.5 + T	4 x 2.5 + T	
	Communication cable	mm²	3 x 1 + T	3 x 1 + T	3 x 1 + T	3 x 1 + T	3 x 1 + T	
Indoor (Cooling / Heating)	°C	16 ~ 32 / 0 ~ 30	16 ~ 32 / 0 ~ 30	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	-15 ~ 50 / -15 ~ 24	-15 ~ 50 / -15 ~ 24	

## Notes:

(\*1) Pump height measured from the unit shaft. The elbow is set horizontally at 200 mm maximum.

(\*2) Inner diameter.

(\*3) Minimum pipe length: 3 m.

(\*4) The "Silence" mode is only selectable via the RG10 wireless remote control.

(\*5) 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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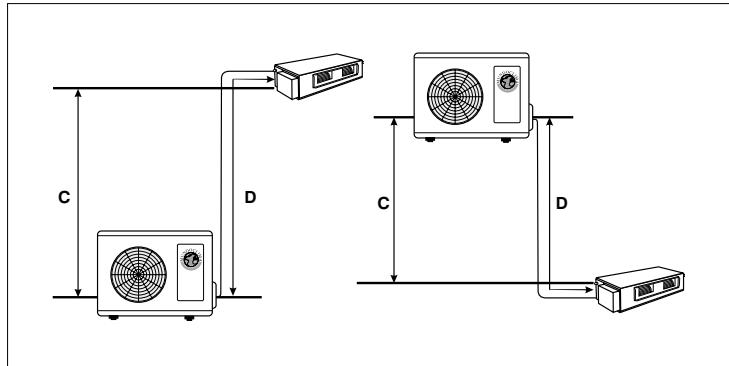
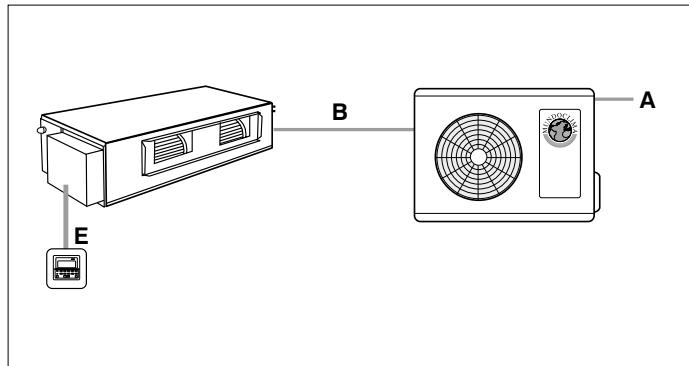


## ELECTRICAL WIRING

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

## REFRIGERATION PIPES AND ADDITIONAL CHARGE (R-32)

Model	Pipe		Max. distance		Additional refrigerant charge	Preload until
	Liquid	Gas	Vertical (C)	Total (D)		
09-H14	1/4"	3/8"	10 m	25 m	12 g/m	5 m
12-H14	1/4"	3/8"	10 m	25 m	12 g/m	5 m
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	75 m	24 g/m	5 m



## OPTIONALS

More information on the optionals in "MUNDOCLIMA CONTROL SYSTEMS"

## Wireless control

RG10A1(F2S)BGEF  
(CL97807)

## Wired control with WI-FI

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

## WiFi AIDOO Airzone

AZA16WSCGM1  
(CO48080)

## Zoning

AZX6QADAPT3GM1  
(CO48060)MUNDOBOX  
(RM90386)

## Modbus

MD-AC-MBS  
(CL99097)

## KNX

MD-AC-KNX  
(CL94792)

## BACnet

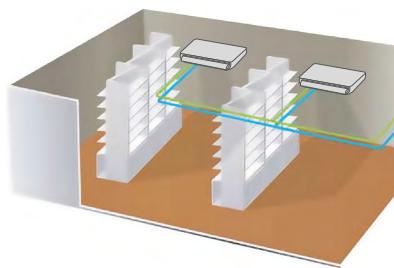
INBACMID  
(CL99222)

## Centralized controller

CCM180A/WS  
(CL09300)CCM30/BKE  
(CL92871)CCM-15(A)  
(CL92872)

## Accessories

M-CHECK  
(CL09410)

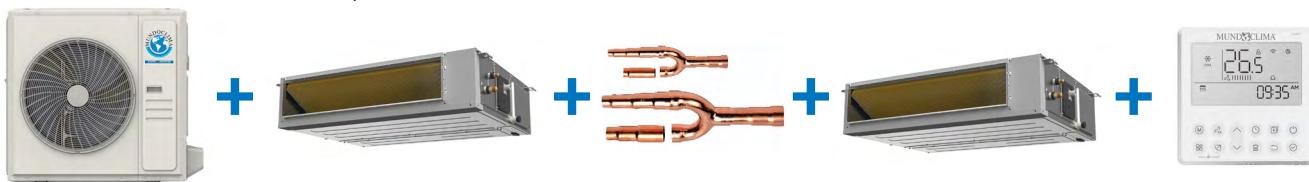
**H14 DUCT TYPE SPLIT****DUCT TWIN SYSTEM (2x1, 3x1, 4x1)**

**TWIN**  
allows to connect  
from 2 to 4  
INDOOR UNITS  
of identical capacity  
to A SINGLE  
OUTDOOR UNIT

**MUNDCLIMA®**  
**SUPER DC INVERTER**

**Duct Twin systems include:** - 1 Outdoor unit (single fan axial).

- 2, 3 or 4 duct indoor units with identical capacity.
- 1, 2 or 3 FQZHN-01D branch pipes.
- 2, 3 or 4 KJR-120N wired controls (only one should be connected to the main unit).



**Indoor units must be configured as Main and Secondary, the configuration must be made on the SW1 + S1 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**

Twin system:		2x1					
Model		MUCR-09X2-H14	MUCR-12X2-H14	MUCR-18X2-H14	MUCR-24X2-H14	MUCR-24X2-H14T	MUCR-30X2-H14T
Set code		CL21930	CL21931	CL21932	CL21933	CL21934	CL21935
Nominal capacity	Cooling	KW	2.64 + 2.64	3.52 + 3.52	5.28 + 5.28	7.09 + 7.09	7.09 + 7.09
	Heating	KW	2.93 + 2.93	3.81 + 3.81	6.01 + 6.01	8.00 + 8.00	8.00 + 8.00
Indoor Units	Model	MUCR-09-H14-I	MUCR-12-H14-I	MUCR-18-H14-I	MUCR-24-H14-I	MUCR-24-H14-I	MUCR-30-H14-I
	Code	UI21560	UI21561	UI215612	UI21563	UI21563	UI21564
	Quantity	2	2	2	2	2	2
Outdoor unit	Model	MUER-24-H14-E	MUER-24-H14-E	MUER-36-H14-E	MUER-48-H14-E	MUER-48-H14T-E	MUER-60-H14T-E
	Code	UE21543	UE21543	UE21545	UE21547	UE21548	UE21549
	Quantity	1	1	1	1	1	1
Branch Pipe	Model	FQZHN-01D	FQZHN-01D	FQZHN-01D	FQZHN-01D	FQZHN-01D	FQZHN-01D
	Code	CL09500	CL09500	CL09500	CL09500	CL09500	CL09500
	Quantity	1	1	1	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"	3/8" - 5/8"	3/8" - 5/8"
	Indoor unit until branch pipe (Liq./Gas)	inch	1/4" - 3/8"	1/4" - 3/8"	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	220-240 ~ 50, 1N	220-240 ~ 50, 1N	380-415 ~ 50, 3N
	Maximum consumption	kW	3.7	3.7	5	7.3	7.5
	Max. current	A	19	19	22.5	32	14
	Power cord (outdoor unit)	mm²	2 x 2.5 + T	2 x 2.5 + T	2 x 4 + T	2 x 6 + T	4 x 2.5 + T
	Interconnection cable (outdoor and main indoor unit)	mm²	3 x 1 + T	3 x 1 + T	3 x 1 + T	3 x 1 + T	3 x 1 + T
	Cables between indoor units (Main/Secondary) (**)	mm²			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 0.75 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.

**H14 DUCT TYPE SPLIT****DUCT TWIN SYSTEM (2x1, 3x1, 4x1)****SPECIFICATIONS**

Twin system:			3x1			4x1			
Model			MUCR-09X3-H14	MUCR-12X3-H14	MUCR-18X3-H14T	MUCR-09X4-H14	MUCR-09X4-H14T	MUCR-12X4-H14	MUCR-12X4-H14T
Set code			CL21936	CL21937	CL21938	CL21940	CL21941	CL21942	CL21943
Nominal capacity	Cooling	kW	2.64 + 2.64 + 2.64	3.52 + 3.52 + 3.52	5.28 + 5.28 + 5.28	2.64 + 2.64 + 2.64 + 2.64		3.52 + 3.52 + 3.52 + 3.52	
	Heating	kW	2.93 + 2.93 + 2.93	3.81 + 3.81 + 3.81	6.01 + 6.01 + 6.01	2.93 + 2.93 + 2.93 + 2.93		3.81 + 3.81 + 3.81 + 3.81	
Indoor Units	Model		MUCR-09-H14-I	MUCR-12-H14-I	MUCR-18-H14-I	MUCR-09-H14-I	MUCR-09-H14-I	MUCR-12-H14-I	MUCR-12-H14-I
	Code		UI21560	UI21561	UI215612	UI21560	UI21560	UI21561	UI21561
	Quantity		3	3	3	4	4	4	4
Outdoor unit	Model		MUER-36-H14-E	MUER-36-H14-E	MUER-60-H14T-E	MUER-48-H14-E	MUER-48-H14T-E	MUER-48-H14-E	MUER-48-H14T-E
	Code		UE21545	UE21545	UE21549	UE21547	UE21548	UE21547	UE21548
	Quantity		1	1	1	1	1	1	1
Branch Pipe	Model		FQZHN-01D	FQZHN-01D	FQZHN-01D	FQZHN-01D	FQZHN-01D	FQZHN-01D	FQZHN-01D
	Code		CL09500	CL09500	CL09500	CL09500	CL09500	CL09500	CL09500
	Quantity		2	2	2	3	3	3	3
Refrigeration pipes	Outdoor unit until branch pipe (Liq./Gas)	inch	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"
	Indoor unit until branch pipe (Liq./Gas)	inch	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"	1/4" - 3/8"	1/4" - 3/8"	1/4" - 3/8"	1/4" - 3/8"
Electrical data (*)	Power supply	V-Hz-Ph	220-240 ~ 50, 1N	220-240 ~ 50, 1N	380-415 ~ 50, 3N	220-240 ~ 50, 1N	380-415 ~ 50, 3N	220-240 ~ 50, 1N	380-415 ~ 50, 3N
	Maximum consumption	kW	5	5	7.5	7.3	7.3	7.3	7.3
	Max. current	A	22.5	22.5	14	32	14	32	14
	Power cord (outdoor unit)	mm <sup>2</sup>	2 x 4 + T	2 x 4 + T	4 x 2.5 + T	2 x 6 + T	4 x 2.5 + T	2 x 6 + T	4 x 2.5 + T
	Interconnection cable (outdoor and main indoor unit)	mm <sup>2</sup>	3 x 1 + T	3 x 1 + T	3 x 1 + T	3 x 1 + T	3 x 1 + T	3 x 1 + T	3 x 1 + T
	Cables between indoor units (Main/Secondary) (**)	mm <sup>2</sup>	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 0.75 mm<sup>2</sup> 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.