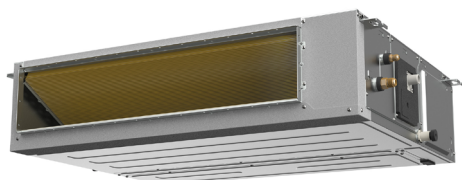


# DUCT TYPE SPLIT

## 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.
- 
**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.
- 
**Configurable static pressure**  
Through the new KJR-120N wired remote control, you can adjust the static pressure of the fan automatically or manually, so you can adapt the machine to each installation.
- 
**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
Static pressure	Adjust the desired static pressure either manually or automatically.
Temperature compensation	Adjust the value from -5°C to +5°C
Limitation of operating modes	Disable/enable an operating mode
Temperature range setting	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)	7.09 (3.23 ~ 7.92)	8.79 (2.23 ~ 9.97)	
	Nominal consumption (min. - max.)	kW	0.72 (0.13 ~ 1.18)	1.16 (0.15 ~ 1.46)	1.59 (0.36 ~ 2.13)	2.28 (0.75 ~ 2.86)	2.80 (0.19 ~ 3.45)	
	Pdesignc (design load)	kW	2.6	3.5	5.3	7.1	8.8	
	SEER	W/W	6.5	6.5	6.5	6.6	6.6	
	Energy labeling		A++	A++	A++	A++	A++	
	Seasonal energy efficiency for space cooling	ηs,c (%)	--	--	--	--	--	
	Annual electricity consumption	kWh/year	140	188	285	377	467	
Heating	Nominal capacity (min. - max.)		2.93 (0.94 ~ 3.48)	3.81 (1.00 ~ 4.47)	6.01 (1.50 ~ 6.31)	8.00 (2.79 ~ 8.56)	9.38 (2.70 ~ 10.00)	
	Nominal consumption (min. - max.)		0.85 (0.29 ~ 0.85)	1.28 (0.30 ~ 1.42)	1.61 (0.50 ~ 1.85)	2.00 (0.640 ~ 2.50)	2.40 (0.43 ~ 2.55)	
	Average climate zone	Pdesignh (design load)	kW	2.1	2.7	4.3	5.6	8.0
		SCOP	W/W	4.1	4.1	4.1	4.2	4.2
		Energy labeling		A+	A+	A+	A+	A+
		Seasonal energy efficiency for space heating	ηs,h (%)	--	--	--	--	--
		Annual electricity consumption	kWh/year	717	922	1,468	1,867	2,667
	Warm climate zone	Tbiv	°C	-7	-7	-7	-7	-7
		Pdesignh (design load)	kW	2.8	3.4	5.2	6.5	8.2
		SCOP	W/W	5.1	5.1	5.1	5.4	5.5
		Energy labeling		A+++	A+++	A+++	A+++	A+++
		Annual electricity consumption	kWh/year	769	933	1,427	1,685	2,087
		Tbiv (bivalent temperature)	°C	2	2	2	2	2
	Tol (Operating limit temp.)	°C	-15	-15	-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	1,500 / 1,200 / 900	
Static pressure		Nominal	Pa	25	25	25	25	37
		Adjustable	Pa	0 ~ 80	0 ~ 100	0 ~ 160	0 ~ 160	0 ~ 160
Sound pressure (High / Medium / Low / Silence) (*4)		dB (A)	35 / 33 / 31	35 / 33 / 31	36.5 / 34 / 31	33.5 / 32.5 / 31	39 / 37 / 35	
Sound power (High)		dB (A)	52	52	53	56	60	
Drain connection (OD)		mm	Ø 25	Ø 25	Ø 25	Ø 25	Ø 25	
Drain pump height (*1)		mm	1,000	1,000	1,000	1,000	1,000	
Fresh air intake (*2)		mm	Ø 92	Ø 92	Ø 100	Ø 100	Ø 100	
Dimensions (Width x Height x Depth)		mm	700 x 200 x 506	700 x 200 x 506	700 x 245 x 750	1,000 x 245 x 750	1,000 x 245 x 750	
Weight		kg	16.6	16.6	24.4	31.8	32.7	
Outdoor unit	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	3,800	
	Sound pressure (High)	dB (A)	53	55.5	59	60	60	
	Sound power (High)	dB (A)	62	62	62	69	70	
	Compressor (Brand / Model)		GMCC / KSK103D33UEZ3	GMCC / KSN98D64UFZ3	GMCC / KSN140D21UFZ	GMCC / KTM240D46UKT2	GMCC / KTM240D43UKT	
	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	946 x 810 x 410	
Weight	kg	24.6	26.6	32.5	41.9	51		
Refrigerant	Type / GWP		R32 / 675	R32 / 675	R32 / 675	R32 / 675	R32 / 675	
	Load	kg	0.65	0.71	1.15	1.4	1.8	
	CO <sub>2</sub> equivalence	TCO <sub>2</sub> eq	0.439	0.479	0.776	0.945	1.215	
	Preload until	m	5	5	5	5	5	
	Additional load (from 5 m)	g / m	12	12	12	24	24	
Refrigeration pipes	Liquid	mm (inch)	1/4"	1/4"	1/4"	3/8"	3/8"	
	Gas	mm (inch)	3/8"	3/8"	1/2"	5/8"	5/8"	
	Maximum length (*3)	m	25	25	30	50	50	
	Max. height difference	m	10	10	20	25	25	
Electrical data (*5)	Power supply	V-Hz-Ph	220-240 ~ 50, 1N	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	4.5	
	Max. current	A	8.5	9	13.5	19	20	
	Power cord (outdoor unit)	mm²	2 x 2.5 + T	2 x 2.5 + T	2 x 2.5 + T	2 x 2.5 + T	2 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	
Operating temperature	Indoor (Cooling / Heating)	°C	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	

#### 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.

\* 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)	
	Pdesignc (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 ~ 0.57)	4.60 (0.95 ~ 0.58)	5.15 (0.95 ~ 6.60)	
	Average climate zone	Pdesignh (design load)		kW	8.4	9.5	11.5	11.5	12.5
		SCOP		W/W	4.1	4.1	4.0	4.0	4.0
		Energy labeling			A+	A+	A+	A+	A+
		Seasonal energy efficiency for space heating		ηs,h (%)	--	161.0	157.0	157.0	157.1
		Annual electricity consumption		kWh/year	2,868	3,244	4,025	4,025	4,375
	Warm climate zone	Tbiv		°C	-7	-7	-7	-7	-7
		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
		Tol (Operating limit temp.)		°C	-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	50	
		Adjustable	Pa	0 ~ 160	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	Ø 25	Ø 25	Ø 25	Ø 25		
Drain pump height (*1)		mm	1,000	1,000	1,000	1,000	1,000		
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 245 x 750	1,200 x 245 x 750	1,200 x 245 x 750	1,200 x 300 x 750		
Weight		kg	38.4	40.6	40.4	40.4	42.9		
Outdoor unit		Model			MUER-36-H14-E	MUER-42-H14-E	MUER-48-H14-E	MUER-48-H14T-E	MUER-60-H14T-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	
	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	R32 / 675	R32 / 675	R32 / 675	R32 / 675	
Refrigerant	Load		kg	2.4	2.8	2.9	2.9	3.2	
	CO <sub>2</sub> equivalence		TCO <sub>2</sub> 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"	
Refrigeration pipes	Gas		mm (inch)	5/8"	5/8"	5/8"	5/8"	5/8"	
	Maximum length (*3)		m	75	75	75	75	75	
	Max. height difference		m	30	30	30	30	30	
Electrical data (*5)	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	
	Power cord (outdoor unit)		mm <sup>2</sup>	2 x 4 + T	2 x 4 + T	2 x 6 + T	4 x 2.5 + T	4 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	3 x 1 + T	
Operating temperature	Indoor (Cooling / Heating)		°C	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	

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

## H14 DUCT TYPE SPLIT

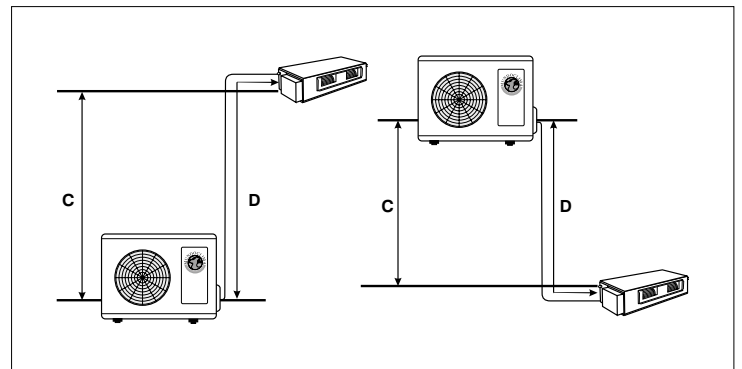
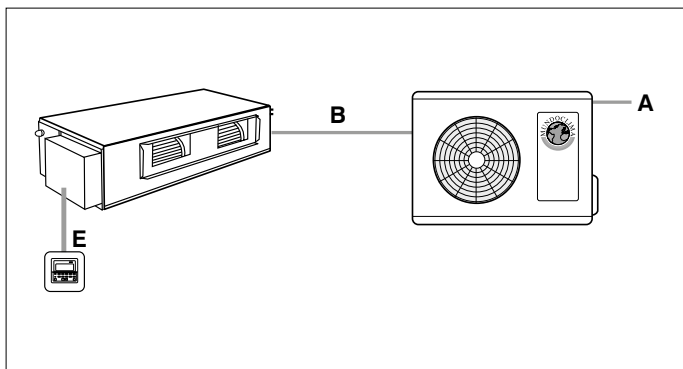


### ELECTRICAL WIRING

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)



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

#### BMS



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



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



INBACMID  
(CL99222 /  
CL99210)

#### Centralized controller



CCM180A/WS  
(CL09300)



CCM30/BKE  
(CL92871)



CCM-15(A)  
(CL92872)

#### Accessories



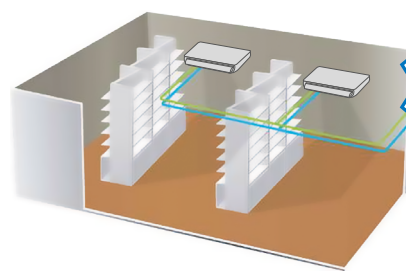
JC-02  
(CL94724)



M-CHECK  
(CL09410)

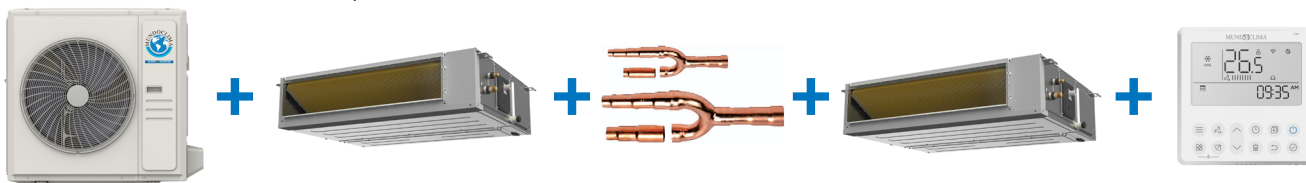
## H14 DUCT TYPE SPLIT

### DUCT TWIN SYSTEM (2x1, 3x1, 4x1)



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

- 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	8.79 + 8.79
	Heating	kW	2.93 + 2.93	3.81 + 3.81	6.01 + 6.01	8.00 + 8.00	8.00 + 8.00	9.38 + 9.38
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"	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"	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	380-415 ~ 50, 3N
	Maximum consumption	kW	3.7	3.7	5	7.3	7.3	7.5
	Max. current	A	19	19	22.5	32	14	14
	Power cord (outdoor unit)	mm <sup>2</sup>	2 x 2.5 + T	2 x 2.5 + T	2 x 4 + T	2 x 6 + T	4 x 2.5 + 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
	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.

## H14 DUCT TYPE SPLIT

### DUCT TWIN SYSTEM (2x1, 3x1, 4x1)



#### SPECIFICATIONS

Twin system:			3x1			4x1			
<b>Model</b>			<b>MUCR-09X3-H14</b>	<b>MUCR-12X3-H14</b>	<b>MUCR-18X3-H14T</b>	<b>MUCR-09X4-H14</b>	<b>MUCR-09X4-H14T</b>	<b>MUCR-12X4-H14</b>	<b>MUCR-12X4-H14T</b>
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	<b>Model</b>		<b>MUCR-09-H14-I</b>	<b>MUCR-12-H14-I</b>	<b>MUCR-18-H14-I</b>	<b>MUCR-09-H14-I</b>	<b>MUCR-09-H14-I</b>	<b>MUCR-12-H14-I</b>	<b>MUCR-12-H14-I</b>
	Code		UI21560	UI21561	UI215612	UI21560	UI21560	UI21561	UI21561
	Quantity		3	3	3	4	4	4	4
Outdoor unit	<b>Model</b>		<b>MUER-36-H14-E</b>	<b>MUER-36-H14-E</b>	<b>MUER-60-H14T-E</b>	<b>MUER-48-H14-E</b>	<b>MUER-48-H14T-E</b>	<b>MUER-48-H14-E</b>	<b>MUER-48-H14T-E</b>
	Code		UE21545	UE21545	UE21549	UE21547	UE21548	UE21547	UE21548
	Quantity		1	1	1	1	1	1	1
Branch Pipe	<b>Model</b>		<b>FQZHN-01D</b>	<b>FQZHN-01D</b>	<b>FQZHN-01D</b>	<b>FQZHN-01D</b>	<b>FQZHN-01D</b>	<b>FQZHN-01D</b>	<b>FQZHN-01D</b>
	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 <sup>(*)</sup>	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) <sup>(**)</sup>	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.