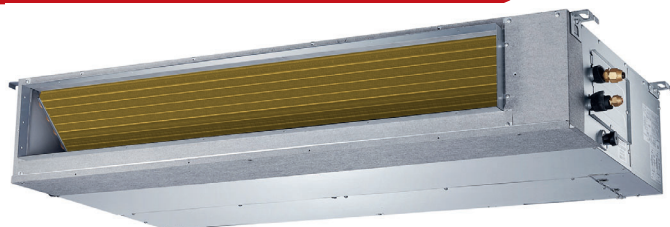


SPLIT DUCT TYPE MUCR-H11 Series

NEW!

MUNDCLIMA®
SUPER DC INVERTER

AUTOMATIC ADJUSTMENT OF STATIC PRESSURE



KJR-120G2/TFBG-E-02
(CL 09 210) Incl.



Models 20 to 42



Models 48 and 60



Power supply to outdoor unit only
The indoor unit is powered by the same interconnection cable with the outdoor unit (4 x 1 mm²).



Low silhouette duct
Indoor unit height from 200 mm.



Drainage pump
It incorporates drainage pump to facilitate the drainage of the indoor unit.



Full weekly timer
Sets the weekly operation of the unit.



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



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.



Laterally removable filters
Air filters can be removed from the side, facilitating maintenance work



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.



LED-Digital Bildschirm
Equipment with a digital display showing the setpoint temperature during normal operation or the ambient temperature in ventilation mode.



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



Engineering mode
Setting of functions and querying of operating parameters. Only by means of the optional RG10 remote control.



Adjusting the setpoint temperature range
The new remote control is able to adjust: Min. cooling from 16°C to 24°C; max. heating from 30°C to 25°C.



Temperature compensation
The RG10 remote control (optional) allows you to adjust the compensation temperature for heating and cooling mode.



Configurable static pressure
Using the new KJR-120G2 wall-mounted remote control, the static pressure of the fan can be adjusted automatically or manually, so that the machine can be adapted to each installation.



Remote signs (CP)
The indoor unit has an ON / OFF input, 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
Maximum cooling/heating time reduction.



Wide operating range
Cooling operation until 50 °C and in heating until -15 °C.



Problem solving
Error codes are showed in the indoor panel, wall control and outdoor PCB.



GEAR
Allows the equipment capacity to be set to 50%, 75% or 100% (default). Only by means of the optional RG10 remote control.



More silent outdoor unit
Optimized design of air outlet grille with noise reduction.



Twin function (2 x 1)
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.



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



Different speeds of the external fan
Accurate adjustment of fan speed thanks to DC fan.



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



R32
Unit that uses more environmentally friendly refrigerant: R32.



Sleep mode
It causes the unit to operate according to the preset nighttime temperature curve, which creates an ideal nighttime environment and improves sleep quality. Only by means of the optional RG10 remote control.



Wall backlit control
The new KJR-120G2 wired wall control has a backlit display for easy reading.



Golden Fin
Treatment applied on 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 of controlling several units with the same control, which can directly regulate up to 64 units of different systems (optional).



Wifi
Possibility that the unit is controlled via WIFI, through a module and its own mobile Apps (optional).

(1) SCOP warm climate zone, except model 48 which is A+ +, for more information see specification table

SPLIT DUCT TYPE H11

SPECIFICATIONS

Model			MUCR-12-H11	MUCR-18-H11	MUCR-24-H11	MUCR-30-H11		
Joint code			CL21520	CL21521	CL21522	CL21523		
Cooling	Nominal capacity (min. - max.)		kW	3.52 (0.53 ~ 3.99)	5.28 (2.55 ~ 5.86)	7.03 (3.28 ~ 8.16)	8.79 (2.23 ~ 9.85)	
	Nominal consumption (min. - max.)		kW	1.05 (0.15 ~ 1.37)	1.53 (0.71 ~ 2.15)	2.19 (0.75 ~ 2.96)	2.50 (0.19 ~ 3.05)	
	Pdesignc (design load)		kW	3.5	5.4	7.1	8.8	
	SEER		W/W	6.3	6.5	6.2	6.5	
	Energy labeling			A++	A++	A++	A++	
	Seasonal energy efficiency for space cooling		ηs,c (%)	--	--	--	--	
Annual electricity consumption			kWh/year	197	291	401	474	
Heating	Nominal capacity (min. - max.)		kW	3.81 (1.00 ~ 4.39)	5.57 (2.20 ~ 6.15)	7.62 (2.81 ~ 8.49)	9.38 (2.70 ~ 10.02)	
	Nominal consumption (min. - max.)		kW	1.03 (0.30 ~ 1.39)	1.51 (0.74 ~ 1.76)	1.90 (0.640 ~ 2.58)	2.25 (0.43 ~ 2.45)	
	Intermediate climate zone	Pdesignh (design load)		kW	2.7	4.3	5.4	8.0
		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 (%)	--	--	--	--
		Annual electricity consumption		kWh/year	945	1,505	1,890	2,800
		Tbiv (bivalent temperature)		°C	-7	-7	-7	-7
		Tol (Operating limited temp.)		°C	-15	-15	-15	-15
	Warm climate zone	Pdesignh (design load)		kW	3.4	5.2	6.0	8.2
		SCOP		W/W	5.1	5.1	5.1	5.1
		Energy labeling			A+++	A+++	A+++	A+++
		Annual electricity consumption		kWh/year	933	1,434	1647	2,251
		Tbiv (bivalent temperature)		°C	2	2	2	2
Indoor unit	Model			MUCR-12-H11-I	MUCR-18-H11-I	MUCR-24-H11-I	MUCR-30-H11-I	
	Code			UI21520	UI21521	UI21522	UI21523	
	EAN Code			8432953050429	8432953050436	8432953050443	8432953050450	
	Air flow rate (High / Medium / Low)		m³/h	600 / 480 / 300	911 / 706 / 515	1229 / 1035 / 825	2100 / 1800 / 1500	
	Static pressure	Rated	Pa	25	25	25	37	
		Adjustable	Pa	0 ~ 60	0 ~ 100	0 ~ 160	0 ~ 160	
	Sound pressure (High/Medium/Low/Silence) ^(*)		dB(A)	34.5 / 30.5 / 29 / 23	41 / 38 / 34 / 26	42 / 40 / 37 / 27	50 / 46.5 / 45 / 40.5	
	Sound power (High)		dB(A)	57	58	61	63	
	Drain connection (OD)		mm	Ø25	Ø25	Ø25	Ø25	
	Drain pump height ^(*)		mm	750	750	750	750	
	Fresh air intake ^(*)		mm	Ø90	Ø125	Ø125	Ø125	
	Dimensions (Width x Height x Depth)		mm	700 x 200 x 450	880 x 210 x 674	1,100 x 249 x 774	1,360 x 249 x 774	
Weight		kg	17.8	24.4	32.3	40.5		
Outdoor unit	Model			MUER-12-H11-E	MUER-18-H11-E	MUER-24-H11-E	MUER-30-H11-E	
	Code			UE21500	UE21501	UE21502	UE21503	
	EAN Code			8432953050214	8432953050221	8432953050238	8432953050245	
	Air flow (High)		m³/h	2,200	2,100	3,500	3,800	
	Sound pressure (High)		dB(A)	53.6	55.5	60	62	
	Sound power (High)		dB(A)	61	65	67	70	
	Compressor (Brand / Model)			GMCC / KSN98D64UFZ3	GMCC / KSN140D21UFZ	GMCC / KTM240D43UKT	GMCC / KTM240D43UKT	
	Dimensions (Width x Height x Depth)		mm	765 x 555 x 303	805 x 554 x 330	890 x 673 x 342	946 x 810 x 410	
	Weight		kg	26.6	32.5	43.9	52.8	
	Type / PCA			R32 / 675	R32 / 675	R32 / 675	R32 / 675	
Refrigerant	Load		kg / TCO ₂ eq	0,71 / 0,479	1,15 / 0,776	1,5 / 1,012	2,0 / 1,350	
	Preload until		m	5	5	5	5	
	Additional load (from 5 m)		g/m	12	12	24	24	
Connection pipes	Liquid		mm (inch)	Ø6.35 (1/4")	Ø6.35 (1/4")	Ø9.52 (3/8")	Ø9.52 (3/8")	
	Gas		mm (inch)	Ø9.52 (3/8")	Ø12.7 (1/2")	Ø15.9 (5/8")	Ø15.9 (5/8")	
	Max. Length ^(*)		m	25	30	50	50	
	Max. Drop Height		m	10	20	25	25	
Electrical Data	Power supply		V-Hz-Ph	220-240~50, 1N	220-240~50, 1N	220-240~50, 1N	220-240~50, 1N	
	Max. consumption		kW	1.85	2.95	3.7	4.5	
	Max. current		A	9	13.5	19	20	
	Power cable (outdoor unit)		mm²	2 x 2.5 + T	2 x 2.5 + T	2 x 2.5 + T	2 x 2.5 + T	
	Communication wire		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:

- ⁽¹⁾ Pump height measured from the unit shaft. The elbow is set horizontally at 200 mm maximum.
⁽²⁾ Inner diameter.
⁽³⁾ Pipes minimum length of 3 m.
⁽⁴⁾ The "Silence" mode is only selectable via the RG10 wireless remote control.

- * Design and specifications are subject to change in order to product improvement without prior notice.
** The values of noise level match with values obtained in the anechoic chamber.
*** Data and specifications can be changed without previous notice.

SPLIT DUCT TYPE H11

SPECIFICATIONS

Model			MUCR-36-H11	MUCR-42-H11	MUCR-48-H11T	MUCR-60-H11T		
Joint code			CL21524	CL21525	CL21527	CL21528		
Cooling	Nominal capacity (min. - max.)		kW	10,55 (2,75 ~ 11,14)	12,02 (2,93 ~ 12,31)	14,07 (3,52 ~ 15,53)	15,24 (4,10 ~ 17,29)	
	Nominal consumption (min. - max.)		kW	3,95 (0,90 ~ 4,15)	4,20 (0,68 ~ 4,50)	4,80 (0,88 ~ 6,00)	5,25 (1,03 ~ 6,65)	
	Pdesignc (design load)		kW	10.5	12.1	14.0	15.3	
	SEER		W/W	6.2	6.1	6.1	6.1	
	Energy labeling			A + +	A + +	A + +	A + +	
	Seasonal energy efficiency for space cooling		ηs,c (%)	--	241	241	241	
Annual electricity consumption			kWh/year	593	700	811	900	
Heating	Nominal capacity (min. - max.)		kW	11,72 (2,78 ~ 12,78)	13,48 (3,37 ~ 14,07)	16,12 (4,10 ~ 18,17)	18,17 (4,40 ~ 20,52)	
	Nominal consumption (min. - max.)		kW	3,25 (0,80 ~ 3,95)	3,45 (0,75 ~ 4,10)	4,50 (0,95 ~ 0,57)	5,15 (0,95 ~ 6,60)	
	Intermediate climate zone	Pdesignh (design load)		kW	8.4	9.5	11.5	12.5
		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	157	157
		Annual electricity consumption		kWh/year	2,940	3,350	4,025	4,390
		Tbiv (bivalent temperature)		°C	-7	-7	-7	-7
		Tol (Operating limited temp.)		°C	-15	-15	-15	-15
	Warm climate zone	Pdesignh (design load)		kW	9.8	10.2	11.5	12.8
		SCOP		W/W	5.1	5.1	5.0	5.1
		Energy labeling			A + + +	A + + +	A + +	A + + +
		Annual electricity consumption		kWh/year	2,690	2,800	3,220	3,514
		Tbiv (bivalent temperature)		°C	2	2	2	2
Indoor unit	Model			MUCR-36-H11-I	MUCR-42-H11-I	MUCR-48-H11-I	MUCR-60-H11-I	
	Code			UI21524	UI21525	UI21527	UI21528	
	EAN Code			8432953050467	8432953050474	8432953050481	8432953050498	
	Air flow rate (High / Medium / Low)		m³/h	2100 / 1800 / 1500	2400 / 2040 / 1680	2400 / 2040 / 1680	2600 / 2210 / 1820	
	Static pressure	Rated	Pa	37	50	50	50	
		Adjustable	Pa	0 ~ 160	0 ~ 160	0 ~ 160	0 ~ 160	
	Sound pressure(High/Medium/Low/Silence) ^(*)		dB(A)	49.5 / 48 / 46 / 42	51.5 / 49 / 48 / 43	50 / 49 / 47 / 42	52.5 / 49 / 47 / 40	
	Sound power (High)		dB(A)	61	67	66	66	
	Drain connection (OD)		mm	Ø25	Ø25	Ø25	Ø25	
	Drain pump height ^(*)		mm	750	750	750	750	
	Fresh air intake ^(*)		mm	Ø125	Ø125	Ø125	Ø125	
	Dimensions (Width x Height x Depth)		mm	1,360 x 249 x 774	1,200 x 300 x 874	1,200 x 300 x 874	1,200 x 300 x 874	
Weight		kg	40.5	47.6	47.6	47.4		
Outdoor unit	Model			MUER-36-H11-E	MUER-42-H11-E	MUER-48-H11T-E	MUER-60-H11T-E	
	Code			UE21504	UE21505	UE21507	UE21508	
	EAN Code			8432953050252	8432953050269	8432953050276	8432953050283	
	Air flow (High)		m³/h	4,000	4,000	7,500	7,500	
	Sound pressure (High)		dB(A)	63	63	63.5	63.0	
	Sound power (High)		dB(A)	70	74	73	74	
	Compressor (Brand / Model)			GMCC / KTF310D43UMT	GMCC / KTF310D43UMT	GMCC / KTQ420D1UMU	GMCC / KTQ420D1UMU	
	Dimensions (Width x Height x Depth)		mm	946 x 810 x 410	946 x 810 x 410	952 x 1333 x 415	952 x 1333 x 415	
	Weight		kg	66.9	71	103.7	107	
Refrigerant	Type / PCA			R32 / 675	R32 / 675	R32 / 675	R32 / 675	
	Load		kg / TCO ₂ eq	2,4 / 1,620	2,8 / 1,89	2,9 / 1,96	3,0 / 2,03	
	Preload until		m	5	5	5	5	
	Additional load (from 5 m)		g/m	24	24	24	24	
Connection pipes	Liquid		mm (inch)	Ø9.52 (3/8")	Ø9.52 (3/8")	Ø9.52 (3/8")	Ø9.52 (3/8")	
	Gas		mm (inch)	Ø15.9 (5/8")	Ø15.9 (5/8")	Ø15.9 (5/8")	Ø15.9 (5/8")	
	Max. Length ^(*)		m	75	75	75	75	
	Max. Drop Height		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	
	Max. consumption		kW	5	5	6.9	7.5	
	Max. current		A	22.5	22.5	13	14	
	Power cable (outdoor unit)		mm ²	2 x 4 + T	2 x 4 + T	4 x 2.5 + T	4 x 2.5 + T	
	Communication wire		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:

- ⁽¹⁾ Pump height measured from the unit shaft. The elbow is set horizontally at 200 mm maximum.
⁽²⁾ Inner diameter.
⁽³⁾ Pipes minimum length of 3 m.
⁽⁴⁾ The "Silence" mode is only selectable via the RG10 wireless remote control.

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** The values of noise level match with values obtained in the anechoic chamber.
*** Data and specifications can be changed without previous notice.

SPLIT DUCT TYPE H11

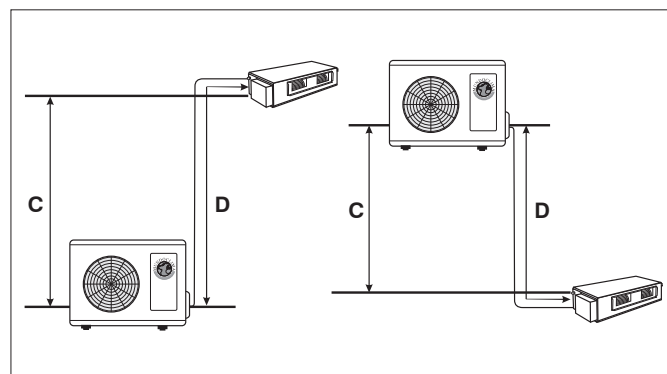
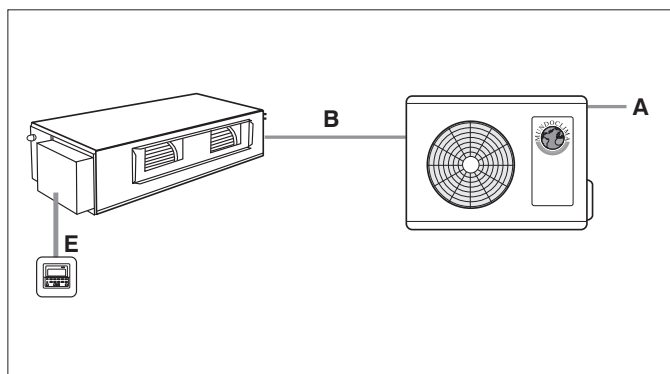


ELECTRICAL WIRING

Model	Power supply (outdoor unit only)		Interconnection (B)	Wired remote control (E)		
	Type	Section (A)				
12	230V (1N~)	2 x 2,5 + T (mm²)	3 x 1 + T (mm²)	4 x 0.2 (mm²) (Supplied 6 m)		
18						
24						
30						
36		2 x 4 + T (mm²)				
42						
48	400V (3N~)	4 x 2.5 + T (mm²)				
60						

REFRIGERANT PIPES AND ADDITIONAL REFRIGERANT LOAD (R-32)

Model	Pipe		Max. distance		Additional refrigerant load	Preload until
	Liquid	Gas	Vertical (C)	Total (D)		
12	1/4"	3/8"	10 m	25 m	12 g/m	5 m
18		1/2"	20 m	30 m		
24	3/8"	5/8"	25 m	50 m	24 g/m	
30			30 m	75 m		
36						
42						
48						
60						



OPTIONALS

More information on optional items in "MUNDOCLIMA CONTROL SYSTEMS"

Wireless control



RG10A1 (F2S) BGEF
(CL 97 807)

Wired remote control



KJR-29B1/BK-E
(CL 92 869)

BMS



MD-AC-MBS
(CL 99 097/
CL 99 114-116)



MD-AC-KNX
(CL 94 792 /
CL 99 094-095)



INBACMID
(CL 99 222 /
CL 99 210)

WIFI



MUNDCLIMA
WF-105
(CL 09 002)

K-380EW⁽¹⁾
(CO 14 907)

Accessories



JC-02
(CL 94 724)

Centralized controller



CCM180A/WS
(CL 97 800)



CCM270B/WS
(CL 97 802)



CCM30/BKE
(CL 92 871)



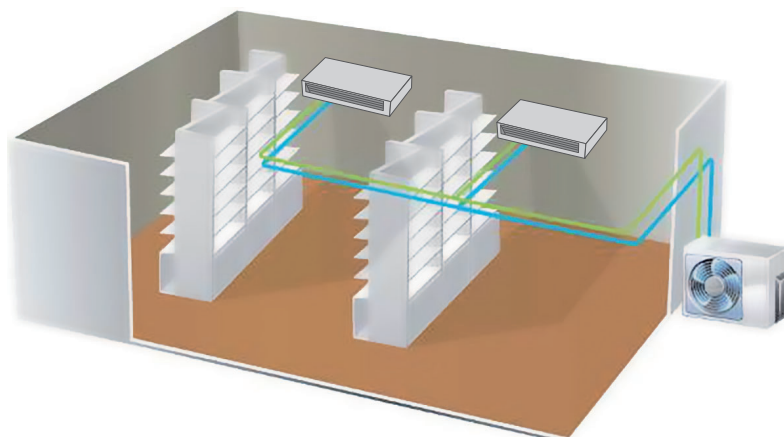
CCM15
(CL 92 872
and/or
CL 97 804)

⁽¹⁾ Remove the infrared receiver located in the unit and install it in a visible place, use the CL92907 cable to extend the cable up to 3 m. Or install the wired control KJR-29B1/BK-E (CL 92 869) (This control incorporates infrared receiver).

SPLIT DUCT TYPE H11

DUCTED TWIN SYSTEM (2 x 1)

MUND CLIMA®
SUPER DC INVERTER



SYSTEM 2x1,
enables connection
of 2 INDOOR UNITS
of identical capacity
to a SINGLE
OUTDOOR UNIT

Model			MUCR-12X2-H11	MUCR-18X2-H11	MUCR-24X2-H11T	MUCR-30X2-H11T
Joint code			CL21906	CL21907	CL21908	CL21909
Nominal capacity	Cooling	kW	3.52 + 3.52	5.28 + 5.28	7.03 + 7.03	8.79 + 8.79
	Heating	kW	3.81 + 3.81	5.57 + 5.57	7.62 + 7.62	9.38 + 9.38
Indoor Units	Model		MUCR-12-H11-I	MUCR-18-H11-I	MUCR-24-H11-I	MUCR-30-H11-I
	Code		UI21520	UI21521	UI21522	UI21523
	Quantity		2			
Outdoor unit	Model		MUER-24-H11-E	MUER-36-H11-E	MUER-48-H11T-E	MUER-60-H11T-E
	Code		UE21502	UE21504	UE21507	UE21508
	Quantity		1			
Branch Pipe	Model		FQZHN-01D			
	Code		LC23220			
	Quantity		1			
Connection pipes	Out. unit to distributor (Liq./Gas)	mm (inch)	Ø9.52 (3/8") / Ø15.9 (5/8")			
	Indoor unit to distributor (Liq./Gas)	mm (inch)	Ø6,35 (1/4")/Ø9,52 (3/8")	Ø6,35 (1/4")/Ø12,7 (1/2")	Ø9,52 (3/8")/Ø15,9 (5/8")	
Electrical Data	Power supply	V-Hz-Ph	220-240 ~ 50, 1N	220-240 ~ 50, 1N	380-415 ~ 50, 3N	380-415 ~ 50, 3N
	Max. consumption	kW	3.7	5	6.9	7.5
	Max. current	A	19	22.5	13	14
	Power cable (outdoor unit)	mm²	2 x 2.5 + T	2 x 4 + T	4 x 2.5 + T	4 x 2.5 + T
	Communication cable between indoor units (Master/Slave)	mm²	3 x 0.75 (shielded)			

The indoor units must be set as Master and Slave, the configuration must be made on the Micro-Switch SW5. For more information, please refer to the installation manual.

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

Twin systems Duct (2x1) includes: - 1 Outdoor unit (axial).

- 1 Outdoor unit (axial)

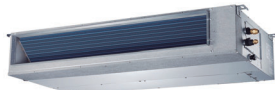
- 2 duct indoor units with identical capacity duct.

- 1 branch pipe FQZHN-01D.

- 2 KJR-120G2 wired controls (only one should be connected to the master unit).



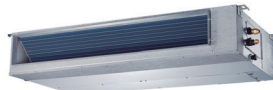
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