

DUCT TYPE SPLIT MUCR-H11 Series



MUNDOCLIMA®
SUPER DC INVERTER

AUTOMATIC ADJUSTMENT OF STATIC PRESSURE



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



Models: 12 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 mm²).



Extra flat duct

Height of the indoor unit: from 200 mm.



Drainage pump

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



Complete 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 extractable filters

Air filters are removed from the side, facilitating maintenance.



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.



Digital LED display

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

Function adjustment and operating parameters query. Only through the optional RG10 remote control.



Setpoint temperature range adjustment

The new remote control is able to adjust: Minimum cooling from 17 °C up to 24 °C; Max. heating from 30 °C up to 25 °C.



Temperature compensation

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



Configurable static pressure

Through the new KJR-120G2 remote control, you can adjust the static pressure of the fan automatically or manually, so you can adapt the machine to each installation.



Remote signs (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

Maximum cooling/heating time reduction.



Wide working temperature 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

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



More silent outdoor unit

Optimized design of air outlet grille with noise reduction.



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.



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.



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. Only via the optional RG10 remote control.



Backlit wall wired control

The new KJR-120G2 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.



CCM centralized controller

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



Wifi

Possibility that the unit is controlled via WiFi, through its own module and App (optional).

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

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SPECIFICATIONS

Model	MUCR-12-H11	MUCR-18-H11	MUCR-24-H11	MUCR-30-H11
Joint code	CL 21 520	CL 21 521	CL 21 522	CL 21 523
Cooling	Nominal capacity (min. - max.)	kW	3.52 (0.53 ~ 3.99)	5.28 (2.55 ~ 5.86)
	Nominal consumption (min. - max.)	kW	1.05 (0.15 ~ 1.37)	1.53 (0.71 ~ 2.15)
	Pdesignc (design load)	kW	3.5	5.4
	SEER	W/W	6.3	6.5
	Energy labeling	A++	A++	A++
	Seasonal energy efficiency for space cooling	ηs,c (%)	--	--
Heating	Annual electricity consumption	kWh/year	197	291
	Nominal capacity (min. - max.)	kW	3.81 (1.00 ~ 4.39)	5.57 (2.20 ~ 6.15)
	Nominal consumption (min. - max.)	kW	1.03 (0.30 ~ 1.39)	1.51 (0.74 ~ 1.76)
	Pdesignh	kW	2.7	4.3
	SCOP	W/W	4.0	4.0
	Energy labeling	A+	A+	A+
	Seasonal energy efficiency for space heating	ηs,h (%)	--	--
	Annual electricity consumption	kWh/year	945	1505
	Tbiv	°C	-7	-7
	Tol (Operating limit temp.)	°C	-15	-15
Indoor unit	Pdesignh	kW	3.4	5.2
	SCOP	W/W	5.1	5.1
	Energy labeling	A+++	A+++	A+++
	Annual electricity consump.	kWh/year	933	1434
	Tbiv	°C	2	2
	Model	MUCR-12-H11-I	MUCR-18-H11-I	MUCR-24-H11-I
Outdoor Unit	Code	UI 21 520	UI 21 521	UI 21 522
	EAN Code	8432953050429	8432953050436	8432953050443
	Air flow rate (High / Medium / Low)	m³/h	600 / 480 / 300	911 / 706 / 515
	Static pressure	Nominal	Pa	25
		Adjustable	Pa	0 ~ 60
				0 ~ 100
	Sound pressure (High / Medium / Low / Silence) ⁽⁴⁾	dB (A)	34.5 / 30.5 / 29 / 23	41 / 38 / 34 / 26
	Sound power (High)	dB (A)	57	58
	Drain connection (OD)	mm	Ø 25	Ø 25
	Drain pump height ^{(*)1}	mm	750	750
Refrigerant	Fresh air intake ^{(*)2}	mm	Ø 90	Ø 125
	Dimensions (Width x Height x Depth)	mm	700 x 200 x 450	880 x 210 x 674
	Weight	kg	17.8	24.4
	Model	MUER-12-H11-E	MUER-18-H11-E	MUER-24-H11-E
	Code	UE 21 500	UE 21 501	UE 21 502
	EAN Code	8432953050214	8432953050221	8432953050238
Connection pipes	Air flow (High)	m³/h	2,200	2,100
	Sound pressure (High)	dB (A)	53.6	55.5
	Sound power (High)	dB (A)	61	65
	Compressor (Brand / Model)		GMCC / KSN98D64UFZ3	GMCC / KSN140D21UFZ
	Dimensions (Width x Height x Depth)	mm	765 x 555 x 303	805 x 554 x 330
	Weight	kg	26.6	32.5
Electrical data	Type / GWP	R32 / 675	R32 / 675	R32 / 675
	Load	kg / TCO ₂ eq	0.71 / 0.479	1.15 / 0.776
	Preload until	m	5	5
	Additional load (from 5 m)	g / m	12	12
	Liquid	mm (inch)	Ø 6.35 (1/4")	Ø 6.35 (1/4")
Temp. while operating	Gas	mm (inch)	Ø 9.52 (3/8")	Ø 9.52 (3/8")
	Maximum length ^{(*)3}	m	25	30
	Max. Height Difference	m	10	20
Temp. while operating	Power supply	V - Hz - Ph	220-240 ~ 50, 1N	220-240 ~ 50, 1N
	Maximum consumption	kW	1.85	2.95
	Max. current	A	9	13.5
	Power cord (outdoor unit)	mm ²	2 x 2.5 + T	2 x 2.5 + T
	Communication cable	mm ²	3 x 1 + T	3 x 1 + T
Temp. while operating	Indoor (Cooling / Heating)	°C	16 ~ 32 / 0 ~ 30	16 ~ 32 / 0 ~ 30
	Outdoor (Cooling / Heating)	°C	-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.

* The unit design and specifications are subject to change due product improvement without prior notice.

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

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SPECIFICATIONS

Model	MUCR-36-H11	MUCR-42-H11	MUCR-48-H11	MUCR-48-H11T	MUCR-60-H11T	
Joint code	CL 21 524	CL 21 525	CL 21 526	CL 21 527	CL 21 528	
Cooling	Nominal capacity (min. - max.)	kW	10.55 (2.75 ~ 11.14)	12.02 (2.93 ~ 12.31)	14.07 (2.29 ~ 14.45)	
	Nominal consumption (min. - max.)	kW	3.95 (0.90 ~ 4.15)	4.20 (0.68 ~ 4.50)	4.65 (0.65 ~ 5.70)	
	Pdesignh (design load)	kW	10.5	12.1	14.0	
	SEER	W/W	6.2	6.1	6.1	
	Energy labeling		A++	A++	A++	
	Seasonal energy efficiency for space cooling	hs,c (%)	--	241	241	
Heating	Annual electricity consumption	kWh/year	593	700	811	
	Nominal capacity (min. - max.)	kW	11.72 (2.78 ~ 12.78)	13.48 (3.37 ~ 14.07)	16.12 (2.58 ~ 17.44)	
	Nominal consumption (min. - max.)	kW	3.25 (0.80 ~ 3.95)	3.45 (0.75 ~ 4.10)	4.75 (0.55 ~ 0.57)	
	Pdesignh	kW	8.4	9.5	11.5	
	SCOP	W/W	4.0	4.0	4.0	
	Energy labeling		A+	A+	A+	
	Seasonal energy efficiency for space heating	hs,h (%)	--	157	157	
	Annual electricity consumption	kWh/year	2,940	3,350	4,025	
	Tbiv	°C	-7	-7	-7	
	Tol (Operating limited temp.)	°C	-15	-15	-15	
Warm climate zone	Pdesignh	kW	9.8	10.2	11.5	
	SCOP	W/W	5.1	5.1	5.0	
	Energy labeling		A++	A++	A++	
	Annual electricity consumption	kWh/year	2,690	2,800	3,220	
	Tbiv	°C	2	2	2	
	Weight	kg	40.5	47.6	47.6	
Indoor unit	Model	MUCR-36-H11-I	MUCR-42-H11-I	MUCR-48-H11-I	MUCR-48-H11-I	MUCR-60-H11-I
	Code	UI 21 524	UI 21 525	UI 21 527	UI 21 527	UI 21 528
	EAN Code	8432953050467	8432953050474	8432953050481	8432953050481	8432953050498
	Air flow rate (High / Medium / Low)	m³/h	2,100 / 1,800 / 1,500	2,400 / 2,040 / 1,680	2,400 / 2,040 / 1,680	2,600 / 2,210 / 1,820
	Static pressure	Nominal	Pa	37	50	50
		Adjustable	Pa	0 ~ 160	0 ~ 160	0 ~ 160
	Sound pressure (High / Medium / Low / Silence) ⁽⁴⁾	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	Ø 25	Ø 25	Ø 25	Ø 25
	Drain pump height (*1)	mm	750	750	750	750
Outdoor Unit	Fresh air intake (*2)	mm	Ø 125	Ø 125	Ø 125	Ø 125
	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
	Model	MUER-36-H11-E	MUER-42-H11-E	MUER-48-H11-E	MUER-48-H11-E	MUER-60-H11-E
	Code	UE 21 504	UE 21 505	UE 21 506	UE 21 507	UE 21 508
	EAN Code	8432953050252	8432953050269	8432953055110	8432953050276	8432953050283
	Air flow (High)	m³/h	4,000	4,000	7,500	7,500
	Sound pressure (High)	dB (A)	63	63	63.0	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
Refrigerant	Weight	kg	66.9	71	91.5	103.7
	Type / GWP		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	2.9 / 1.96
	Preload until	m	5	5	5	5
Connection pipes	Additional load (from 5 m)	g / m	24	24	24	24
	Liquid	mm (inch)	Ø 9.52 (3/8")	Ø 9.52 (3/8")	Ø 9.52 (3/8")	Ø 9.52 (3/8")
	Gas	mm (inch)	Ø 15.9 (5/8")	Ø 15.9 (5/8")	Ø 15.9 (5/8")	Ø 15.9 (5/8")
	Maximum length (*3)	m	75	75	75	75
Electrical data	Max. Height Difference	m	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
	Maximum consumption	kW	5	5	6.9	6.9
	Max. current	A	22.5	22.5	29	13
Operating temp.	Power cord (outdoor unit)	mm²	2 x 4 + T	2 x 4 + T	2 x 6 + 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
Operating temp.	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) Elevation height of condensate water from the unit shaft if elbow is installed 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.

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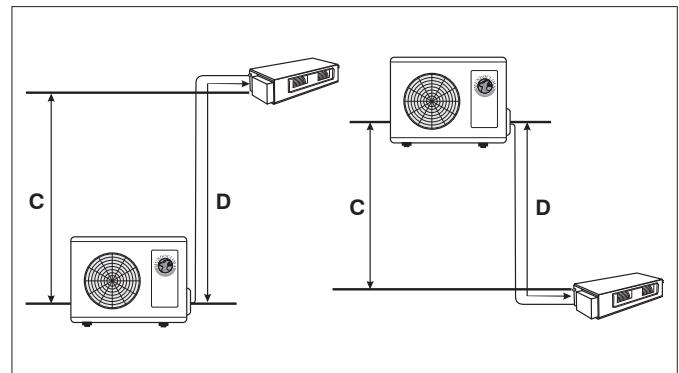
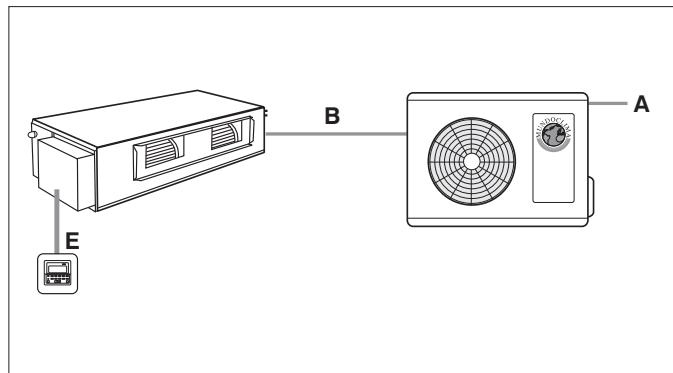
MUNDOCLIMA®
SUPER DC INVERTER

ELECTRICAL WIRING

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

CONNECTION PIPES AND ADDITIONAL CHARGE (R-32)

Model	Pipe		Max. distance		Additional refrigerant charge	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	5 m		
30			30 m	75 m				
36	42	48			24 g/m	5 m		
42								
48	48T	60T	30 m	75 m				
48T								
60T								



OPTIONALS

More information on the optionals in "MUNDOCLIMA CONTROL SYSTEMS"

Wireless control ⁽¹⁾RG10A1(F2S)BGEF
(CL 97 807)

Wired remote control

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

Wired control with WIFI

KJR-120N(X4W)/BGEF
(CL 09 211)KJR-120P(X6W)/EF
(CL 09 214)

RECOMMENDED

KJR-120N(X4W)/BGEF
(CL 09 211)KJR-120P(X6W)/EF
(CL 09 214)

Centralized controller

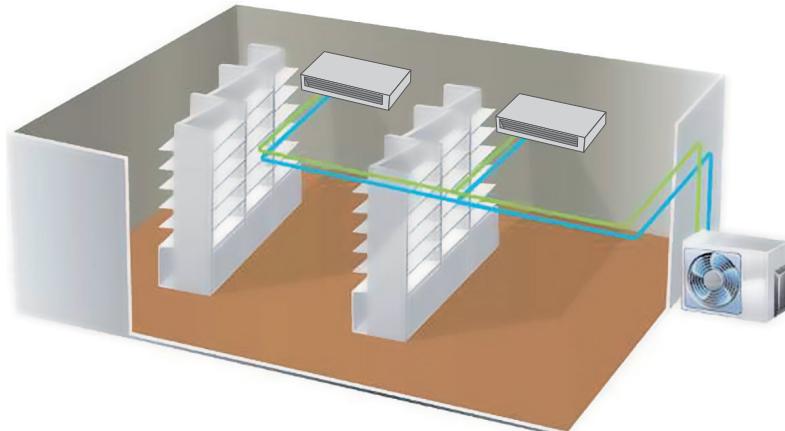
MD-AC-MBS
(CL 99 097/
CL 99 114-116)MD-AC-KNX
(CL 94 792 /
CL 99 094-095)INBACMID
(CL 99 222 /
CL 99 210)CCM180A/WS
(CL 97 800)CCM270B/WS
(CL 97 802)CCM30/BKE
(CL 92 871)CCM15
(CL 97 804)

Accessories

JC-02
(CL 94 724)M-CHECK
(CL 09 410)

⁽¹⁾ You must remove the infrared receiver located in the unit and install it in a visible place, use the cable CL 92 907 to extend the wire up to 3 m. Or install the wired control KJR-29B1/BK-E (CL 92 869) (This control incorporates infrared receiver).

H11 DUCT TYPE SPLIT**DUCT TWIN SYSTEM (2x1)**

MUNDCLIMA®
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		CL 21 906	CL 21 907	CL 21 908	CL 21 909
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		MUCR-12-H11-I	MUCR-18-H11-I	MUCR-24-H11-I	MUCR-30-H11-I
Code		UI 21 520	UI 21 521	UI 21 522	UI 21 523
Quantity		2			
Outdoor Outdoor	Model	MUER-24-H11-E	MUER-36-H11-E	MUER-48-H11T-E	MUER-60-H11T-E
	Code	UE 21 502	UE 21 504	UE 21 507	UE 21 508
Quantity		1			
Branch Pipe	Model	FQZHN-01D			
	Code	LC23220			
	Quantity	1			
Connection pipes	Outdoor Unit to Distributor (Liq./Gas)	mm (inch)	Ø 9.52 (3/8") / Ø 15.9 (5/8")		
	Indoor Units to Distributor (Liq./Gas)	mm (inch)	Ø 6.35 (1/4") / Ø 9.52 (3/8")	Ø 6.35 (1/4") / Ø 12.7 (1/2")	Ø 9.52 (3/8") / Ø 15.9 (5/8")
Electrical Data	Power supply	V - Hz - Ph	220-240 ~ 50, 1N	220-240 ~ 50, 1N	380-415 ~ 50, 3N
	Maximum consumption	kW	3.7	5	6.9
	Max. current	A	19	22.5	13
	Power cord (outdoor unit)	mm ²	2 x 2.5 + T	2 x 4 + T	4 x 2.5 + T
	Cables between indoor units (Master/Slave)	mm ²	3 x 0.75 (shielded) + 2 x 1.5 + T		

Indoor units must be configured as Master and Slave, the configuration must be done through the SW5 micro-switch. 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.**

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

- 2 duct indoor units with identical capacity duct.
- 1 distributor FQZHN-01D.
- 2 KJR-120G2 Wired Controls (only one should be connected to the unit). unit).

