

DUCT TYPE SPLIT MUCR-H9 Series

AUTOMATIC ADJUSTMENT OF STATIC PRESSURE

MUND CLIMA®
SUPER DC INVERTER

NEW!



R32

AU-KJR-120G/TF-E
Included
(CL 97 263)



12 to 42 Models



48 to 60 Models



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.



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 wireless remote control adds a room temperature sensor.



Outdoor air inlet
Possibility of providing outside 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.



LED digital display
Equipment with a digital display showing the setpoint temperature during normal operation or room temperature in ventilation mode.



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



Adjustment
Function adjustment and query of operating parameters using the RG57 wireless control.



Setpoint temperatures range adjustment
The new remote control allows adjusting: Minimum cooling from 17 °C up to 24 °C; Maximum heating from 30 °C up to 25 °C.



Temperature compensation
The RG57 remote control (optional) allows you to set the compensation temperature for heating and cooling mode.



Configurable static pressure
Through the new remote control AU-KJR-120G G/TF-E, 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.



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 up to -15°C.



Trouble shooting
Error codes are showed in the indoor panel, wall control or outdoor PCB.



Quieter 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 under low temperatures
Operation in cooling up to -15°C outdoor temp.



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
This function automatically increases cooling or drops heating temperature by 1°C per hour during the first 2 hours, and then keeps constant temp. for the next 5 h before turning off. This function saves energy and provides comfort at night (only with the optional remote control RG57).



Centralized control CCM
Possibility to control several units from only one remote control. The remote control can directly control 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).

SPLIT DUCT TYPE H9



SPECIFICATIONS

Model			MUCR-12-H9	MUCR-18-H9	MUCR-24-H9	MUCR-30-H9	
Code			CL20520	CL20521	CL20522	CL20523	
Cooling	Nominal capacity (min. - max.)	kW	3.51 (1.49 ~ 4.75)	5.28 (2.55 ~ 5.69)	7.03 (3.28 ~ 8.16)	8.79 (2.23 ~ 9.82)	
	Nominal consumption (min. - max.)	kW	0.95 (0.35 ~ 1.62)	1.63 (0.71 ~ 1.90)	2.19 (0.48 ~ 2.85)	2.60 (0.19 ~ 3.35)	
	Pdesignc	kW	3.5	5.3	7.0	8.8	
	SEER	W/W	6.5	6.1	6.1	6.1	
	Energy labeling		A++	A++	A++	A++	
	Seasonal energy efficiency for space cooling	ηs,c(%)	--	--	--	--	
	Annual electricity consumption	kWh/year	188	304	402	505	
Heating	Nominal capacity (min. - max.)	kW	3.81 (0.97 ~ 5.63)	5.86 (2.20 ~ 6.15)	7.62 (2.72 ~ 8.72)	9.37 (2.70 ~ 10.84)	
	Nominal consumption (min. - max.)	kW	1.10 (0.35 ~ 2.05)	1.58 (0.74 ~ 1.76)	2.05 (0.50 ~ 2.88)	2.30 (0.43 ~ 2.90)	
	Intermediate climate zone	Pdesignh	kW	3.2	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	1120	1512	1911	2800
		Tbiv	°C	-7	-7	-7	-7
	Warm climate zone	Tol	°C	-15	-15	-15	-15
		Pdesignh	kW	3.7	5.2	5.6	7.0
		SCOP	W/W	4.8	5.0	4.8	5.1
		Energy labeling		A++	A++	A++	A+++
		Annual electricity consumption	kWh/year	1079	1464	1633	1922
		Tbiv	°C	2	2	2	2
Indoor unit	Air flow rate (High / Medium / Low)	m³/h	600 / 480 / 300	880 / 650 / 350	1,248 / 1,054 / 839	1,400 / 1,015 / 635	
	Sound pressure (High / Medium / Low)	dB(A)	25	25	25	37	
	Sound power (High)	dB(A)	0 ~ 60	0 ~ 100	0 ~ 160	0 ~ 160	
	Drain connection	mm	35 / 30.5 / 26	41.5 / 38 / 33	42 / 40 / 38	45.5 / 43 / 40	
	Drain pump height (1*)	mm	56	59	62	65	
	Fresh air intake (2*)	mm	Ø25	Ø25	Ø25	Ø25	
	Power supply	V-Hz-Ph	750	750	750	750	
	Max. intensity	A	Ø90	Ø125	Ø125	Ø125	
	Max. consumption	kW	--	--	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	
	Inner power cable	mm²	--	--	1.7	2.8	
	Dimensions	Unit body (Width x Height x Depth)	mm	--	--	0.22	0.45
		Panel (Width x Height x Depth)	mm	--	--	2 x 1.5 + T	2 x 1.5 + T
	Weight	Unit	kg	700 x 200 x 450	880 x 210 x 674	1,100 x 249 x 774	1,360 x 249 x 774
Panel		kg	18	24.3	31.5	40.3	
Outdoor unit	Air flow (High)	m³/h	2,000	2,000	2,700	3,600	
	Sound pressure (High)	dB(A)	55.5	55	62	58.5	
	Sound power (High)	dB(A)	61	62	65	67	
	Compressor (Brand / Model)		GMCC / KTN-110D42UFZ	GMCC / KSN-140D21UFZ	GMCC / KTF-235D22UMT	GMCC / KTM-240D57UMT	
	Power supply	V-Hz-Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	
	Max. intensity	A	10	13.5	13.5	16	
	Max. consumption	kW	2.35	2.95	2.95	3.60	
	Outdoor power cable	mm²	2 x 2.5 + T	2 x 2.5 + T	2 x 2.5 + T	2 x 4 + T	
	Dimensions (Width x Height x Depth)	mm	800 x 554 x 333	800 x 554 x 333	845 x 702 x 363	946 x 810 x 410	
	Weight	kg	34.7	33.7	49.4	56.9	
Whole set	Communication cable	mm²	4 x 1.5	4 x 1.5	2 x 0.75 (shielded)	2 x 0.75 (shielded)	
	Refrigerant	Type / PCA		R32 / 675	R32 / 675	R32 / 675	R32 / 675
		Load	kg / TCO ₂ eq	0.87 / 0.587	1.15 / 0.776	1.5 / 1.013	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 / Gas	mm (inch)	Ø6.35 / Ø9.52 (1/4" / 3/8")	Ø6.35 / Ø12.7 (1/4" / 1/2")	Ø9.52 / Ø15.9 (3/8" / 5/8")	Ø9.52 / Ø15.9 (3/8" / 5/8")
		Max. Length (3*)	m	25	30	50	50
		Max. Drop Height	m	10	20	25	25
	Operation temperature	Indoor (Cooling / Heating)	°C	17 ~ 32 / 0 ~ 30	17 ~ 32 / 0 ~ 30	17 ~ 32 / 0 ~ 30	17 ~ 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.

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.

SPLIT DUCT TYPE H9

SPECIFICATIONS



Model			MUCR-36-H9	MUCR-42-H9	MUCR-48-H9T	MUCR-60-H9T	
Code			CL20524	CL20525	CL20527	CL20528	
Cooling	Nominal capacity (min. - max.)	kW	10.54 (4.04 ~ 12.02)	12.31 (2.58 ~ 12.31)	14.07 (4.26 ~ 15.19)	15.24 (5.86 ~ 17.29)	
	Nominal consumption (min. - max.)	kW	4.00 (0.90 ~ 4.90)	3.65 (0.23 ~ 4.35)	5.15 (1.17 ~ 5.69)	5.42 (1.27 ~ 6.65)	
	Pdesigngc	kW	10.5	12.4	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	241	241	
	Annual electricity consumption	kWh/year	602	711	808	878	
Heating	Nominal capacity (min. - max.)	kW	11.13 (2.81 ~ 13.19)	13.48 (2.05 ~ 14.27)	16.11 (3.70 ~ 18.02)	18.17 (4.69 ~ 20.52)	
	Nominal consumption (min. - max.)	kW	3.10 (0.34 ~ 4.29)	3.68 (0.34 ~ 4.29)	4.28 (0.94 ~ 5.82)	5.32 (1.04 ~ 6.03)	
	Intermediate climate zone	Pdesignh	kW	8.4	9.6	12.1	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	2940	3360	4263	4375
		Tbiv	°C	-7	-7	-7	-10
	Warm climate zone	Tol	°C	-15	-15	-15	-15
		Pdesignh	kW	9.9	10.7	10.7	11.8
		SCOP	W/W	5.1	5	5.1	5.1
		Energy labeling		A+++	A++	A+++	A+++
		Annual electricity consumption	kWh/year	2718	2996	2949	3239
	Tbiv	°C	2	2	2	2	
	Indoor unit	Air flow rate (High / Medium / Low)	m³/h	1,400 / 1,150 / 750	1,871 / 1,574 / 1,047	2,400 / 2,040 / 1,680	2,600 / 2,040 / 1,680
Sound pressure (High / Medium / Low)		dB(A)	37	50	50	50	
Sound power (High)		dB(A)	0 ~ 160	0 ~ 160	0 ~ 160	0 ~ 160	
Drain connection		mm	47 / 43 / 40	53.5 / 51.3 / 48.8	51 / 50 / 48	54 / 52 / 51	
Drain pump height (1*)		mm	63	71	68	71	
Fresh air intake (2*)		mm	Ø25	Ø25	Ø25	Ø25	
Power supply		V-Hz-Ph	750	750	750	750	
Max. intensity		A	Ø125	Ø125	Ø125	Ø125	
Max. consumption		kW	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	
Inner power cable		mm²	2.8	2.5	2.8	3.8	
Dimensions		Unit body (Width x Height x Depth)	mm	0.45	0.31	0.45	0.6
		Panel (Width x Height x Depth)	mm	2 x 1.5 + T	2 x 1.5 + T	2 x 1.5 + T	2 x 1.5 + T
Weight		Unit	kg	1,360 x 249 x 774	1,200 x 300 x 874	1,200 x 300 x 874	1,200 x 300 x 874
	Panel	kg	40.5	52.8	47.6	47.6	
Outdoor unit	Air flow (High)	m³/h	4,000	3,800	7,500	7,500	
	Sound pressure (High)	dB(A)	65	65	66	66	
	Sound power (High)	dB(A)	67	72	72	73	
	Compressor (Brand / Model)		GMCC / KTF-310D43UMT	GMCC / KTF-310D43UMT	GMCC / KTQ420D1U-MU	GMCC / KTQ420D1UMU	
	Power supply	V-Hz-Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	380-415V~ 50Hz, 3Ph	380-415V~ 50Hz, 3Ph	
	Max. intensity	A	21.5	22.5	11.2	14	
	Max. consumption	kW	4.70	4.80	6.20	7.50	
	Outdoor power cable	mm²	2 x 4 + T	2 x 4 + T	4 x 2.5 + T	4 x 2.5 + T	
	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	66.8	73.9	106.7	111.3	
	Whole set	Communication cable	mm²	2 x 0.75 (shielded)	2 x 0.75 (shielded)	2 x 0.75 (shielded)	2 x 0.75 (shielded)
Refrigerant		Type / PCA		R32 / 675	R32 / 675	R32 / 675	R32 / 675
		Load	kg / TCO ₂ eq	2.4 / 1.620	2.8 / 1.89	2.8 / 1.890	2.95 / 1.991
		Preload until	m	5	5	5	5
		Additional load (from 5 m)	g/m	24	24	24	24
Connection pipes		Liquid / Gas	mm (inch)	Ø9.52 / Ø15.9 (3/8" / 5/8")	Ø9.52 / Ø15.9 (3/8" / 5/8")	Ø9.52 / Ø15.9 (3/8" / 5/8")	Ø9.52 / Ø15.9 (3/8" / 5/8")
		Max. Length (3*)	m	65	65	65	65
		Max. Drop Height	m	30	30	30	30
Operation temperature		Indoor (Cooling / Heating)	°C	17 ~ 32 / 0 ~ 30	17 ~ 32 / 0 ~ 30	17 ~ 32 / 0 ~ 30	17 ~ 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.

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

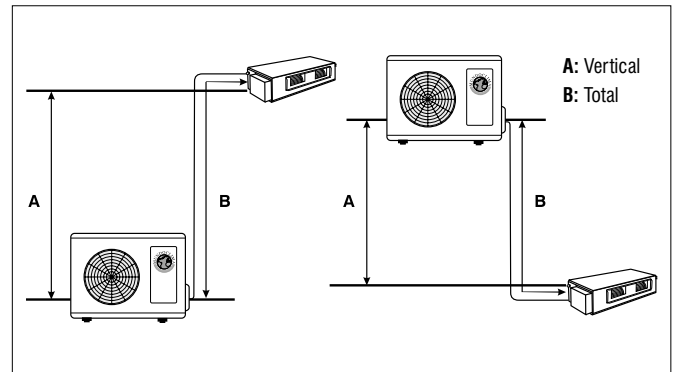
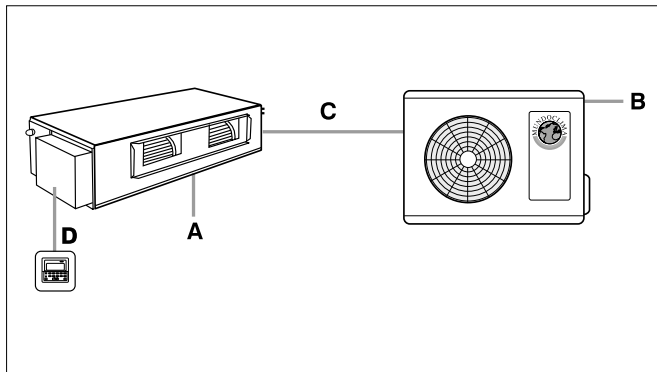
SPLIT DUCT TYPE H9

ELECTRICAL WIRING

Model	Power supply				Inter-connc. C	Control D
	Unit	Phases	Indoor A	Outdoor B		
MUCR-12-H9	OUTDOOR	SINGLE	-	3x2,5	4x1.5	2x1
MUCR-18-H9	OUTDOOR	SINGLE	-	3x2,5		
MUCR-24-H9	IND/OUTD	SINGLE/SINGLE	3x1,5	3x2,5	2 x 0.75 (shielded)	
MUCR-30-H9	IND/OUTD	SINGLE/SINGLE	3x1,5	3 x 4		
MUCR-36-H9	IND/OUTD	SINGLE/SINGLE	3x1,5	3 x 4		
MUCR-42-H9	IND/OUTD	SINGLE/SINGLE	3x1,5	3 x 4		
MUCR-48-H9T	IND/OUTD	SINGLE/THREE	3x1,5	5 x 2.5		
MUCR-60-H9T	IND/OUTD	SINGLE/THREE	3x1,5	5 x 2.5		

CONNECTION PIPES AND ADDITIONAL LOAD (R-32)

Model	Pipe		Max. distance		Additional Load (g/m)	Preload up to (m)
	Gas	Liquid	A	B		
MUCR-12-H9	3/8"	1/4"	10	25	12	5
MUCR-18-H9	1/2"	1/4"	20	30	12	5
MUCR-24-H9	5/8"	3/8"	25	50	24	5
MUCR-30-H9	5/8"	3/8"	25	50	24	5
MUCR-36-H9	5/8"	3/8"	30	65	24	5
MUCR-42-H9	5/8"	3/8"	30	65	24	5
MUCR-48-H9T	5/8"	3/8"	30	65	24	5
MUCR-60-H9T	5/8"	3/8"	30	65	24	5



Note: The communication cable cannot be used to supply neither the indoor unit nor the outdoor one.

OPTIONALS

Wireless control⁽¹⁾



RG57A6/BGE (CL 94 588) KJR-120G/TF-EKJR-29B1/BK-E (CL 94 907) KJR-86C-EKJR-12B/DP(T)-E (CL 92 869) (CL 92 870) (CL 94 848)

Wired remote control



CCM180A/BWS (CL 97 800) CCM270A/WS (CL 97 801) CCM30/BKE (CL 92 871)

Centralized controller



CCM15 (CL 92 872)

Integral control



IMM4 (CL 97 160-163)



CCM08/E (CL 92 915)



LONGW64/E (CL 92 877)



CCM18A/N (CL 94 791)



MD-AC-MBS-1 (CL 99 097 / CL 99 114-116)



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

WIFI



MUNDOCLIMA WF-60A1 (CL 97 480)

Accessories



KJR-150A/M-E (CL 97 156)



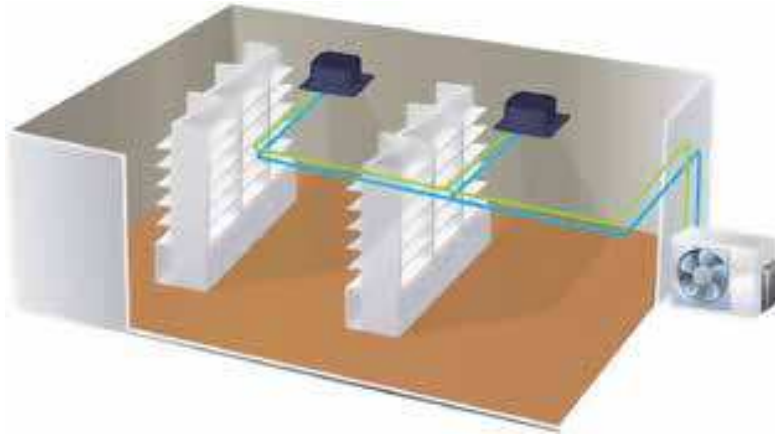
JC-02 (CL 94 724)

⁽¹⁾ You must remove the infrared receiver located in the unit and install it in a visible place, use the cable CL92907 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).

SPLIT DUCT TYPE H9



Ducted Twin System (2x1)



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

Model			MUCR-24X2-H9T	MUCR-30X2-H9T
Code			CL 20 998	CL 20 999
Total capacity	Cooling / Heating	kW	14.07 / 16.12	15.20 / 18.17
Pcs. Indoor uts.	Model		MUCR-24-H9	MUCR-30-H9
	Code		UI20522	UI20523
	Amount		2	2
	Individual capacity (Cooling / Heating)	kW	7.03 / 7.62	8.79 / 9.38
	Power supply		220-240V~ 50Hz, 1Ph	
Unit Exterior	Model		MUCR-48-H9T	MUCR-60-H9T
	Code		UE20527	UE20528
	Amount		1	1
	Power supply		380-415V~ 50Hz, 3Ph	
Branch Pipe	Model		FQZHN-01D	FQZHN-01D
	Code		TF03611	TF03611
	Amount		1	1
Connection pipes	Unit Out. Unit to distributor (Liq./Gas)	inch	3/8" - 5/8"	3/8" - 5/8"
	Unit Ind. Unit to distributor (Liq./Gas)	inch	3/8" - 5/8"	3/8" - 5/8"
Communication cable ⁽¹⁾		mm ²	2 x 0.75 (shielded)	

Note: ⁽¹⁾ The cable has to be wired up from the outdoor unit to the Master indoor unit, then from the Master to the Slave indoor unit.

The indoor units must be configured as Master and Slave, the configuration must be done with the remote control RG57 (CL 94 588).

WARNING: 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.

