

DUCT SPLIT TYPE MUCR-H8 Series

NEW!

**SCOP
4.0**



KJR-120C/TF-E
Included in model 12
(CL 97 291)



AU-KJR-120G/TF-E
Included in models 18 to 60
(CL 97 263)



AUTOMATIC ADJUSTMENT OF STATIC PRESSURE



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 allows you to set the compensation temperature for heating and cooling mode.



Configurable static pressure

Thanks to the new remote wall controls, 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 units will operate in a unified way 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 temperatures.



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.



R410A

Unit that uses R410A refrigerant.



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 H8



SPECIFICATIONS:

Model			MUCR-12-H8	MUCR-18-H8	MUCR-24-H8	MUCR-30-H8		
Code			CL 20 280	CL 20 281	CL 20 282	CL 20 283		
Cooling	Nominal capacity (min. - max.)	kW	3.52 (0.53 ~ 3.75)	5.28 (1.23 ~ 6.15)	7.03 (1.99 ~ 8.21)	8.79 (2.08 ~ 10.55)		
	Nominal consumption (min. - max.)	W	1,300 (155 ~ 2,100)	1,643 (260 ~ 2,120)	2,175 (450 ~ 2,800)	2,836 (500 ~ 3,200)		
	Pdesignc	kW	3.5	5.3	7.0	8.8		
	SEER	W/W	6.1	6.1	6.1	6.1		
	Energy labeling		A++	A++	A++	A++		
Heating	Nominal capacity (min. - max.)	kW	3.81 (1.00 ~ 4.00)	5.57 (1.80 ~ 7.03)	7.62 (2.40 ~ 8.65)	9.38 (2.70 ~ 10.84)		
	Nominal consumption (min. - max.)	W	1,200 (302 ~ 2,100)	1,542 (310 ~ 2,510)	2,050 (480 ~ 2,850)	2,287 (550 ~ 3,250)		
	Intermediate climate zone	Pdesignh	kW	3.4	4.6	5.8	8.2	
		SCOP	W/W	4.0	4.0	4.0	4.0	
		Energy labeling		A+	A+	A+	A+	
		Tbiv (Temp. bivalent)	°C	-7	-7	-7	-7	
	Warm climate zone	Tol	°C	-15	-15	-15	-15	
		Pdesignh	kW	3.6	4.6	5.5	7.2	
		SCOP	W/W	5.1	4.8	5.2	5.0	
		Energy labeling		A+++	A++	A+++	A++	
		Tbiv (Temp. bivalent)	°C	2	2	2	2	
	Indoor unit	Air flow rate (High / Medium / Low)	m³/h	600 / 480 / 300	1,006 / 853 / 684	1,248 / 1,054 / 839	1,540 / 1,255 / 723	
		Static pressure	Rated	Pa	25	25	25	37
			Adjustable	Pa	0 ~ 60	0 ~ 100	0 ~ 160	0 ~ 160
		Sound pressure (High/Med./Low)	dB(A)	40 / 34.5 / 27.5	44 / 42 / 40	44 / 42 / 40	44 / 42 / 40	
Sound power (High)		dB(A)	57	59	64	64		
Drain connection		mm	Ø25	Ø25	Ø25	Ø25		
Drain pump height (1*)		mm	750	750	750	750		
Fresh air intake (2*)		mm	Ø90	Ø125	Ø125	Ø125		
Power supply		V-Hz-Ph	-	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph		
Max. intensity		A	-	1.3	1.7	2.8		
Max. consumption		W	-	160	220	450		
Inner power cable		mm²	-	2 x 1.5 + T	2 x 1.5 + T	2 x 1.5 + T		
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	18	25.6	31.5	40.6		
Outdoor unit		Air flow (High)	m³/h	2,000	2,100	2,700	4,300	
	Sound pressure (High)	dB(A)	57	56.5	60.5	59.5		
	Sound power (High)	dB(A)	62	64	65	68		
	Compressor (Brand / Model)		GMCC / ASM98D32UFZ	GMCC / ASM135D23UFZ	GMCC / ATF235D22UMT	GMCC / ATF235D22UMT		
	Power supply	V-Hz-Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph		
	Max. intensity	A	9	10	14	19		
	Max. consumption	W	1,900	2,200	2,950	3,400		
	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	34.5	35.5	49	62.9		
Whole set	Communication cable	mm²	4 x 1.5	2 x 0.75 (shielded)	2 x 0.75 (shielded)	2 x 0.75 (shielded)		
	Refrigerant	Type		R410A	R410A	R410A	R410A	
		Load	kg	1.05	1.78	1.95	2.8	
		Preload until	m	5	5	5	5	
	Connection pipes	Additional load (from 5 m)	g/m	15	15	30	30	
		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	
	Operation temperature	Max. Drop Height	m	10	20	25	25	
		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 2 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 H8

SPECIFICATIONS:

Model			MUCR-36-H8	MUCR-48-H8	MUCR-48-H8T	MUCR-60-H8T	
Code			CL 20 284	CL 20 286	CL 20 287	CL 20 288	
Cooling	Nominal capacity (min. - max.)	kW	10.55 (2.40 ~ 12.01)	14.07 (3.10 ~ 16.40)	14.07 (3.10 ~ 16.40)	15.20 (3.40 ~ 18.20)	
	Nominal consumption (min. - max.)	W	4,058 (660 ~ 4,620)	5,390 (850 ~ 6,000)	5,030 (880 ~ 6,000)	6,300 (1,100 ~ 7,100)	
	Pdesignc	kW	10.5	14.0	13.7	15.3	
	SEER	W/W	6.1	5.6	5.9	5.6	
	Energy labeling		A++	A+	A++	A+	
Heating	Nominal capacity (min. - max.)	kW	11.14 (2.78 ~ 13.20)	16.12 (3.50 ~ 18.20)	16.12 (3.50 ~ 18.20)	18.17 (4.20 ~ 20.50)	
	Nominal consumption (min. - max.)	W	3,085 (650 ~ 4,400)	4,345 (900 ~ 5,900)	4,345 (920 ~ 5,900)	5,030 (1,150 ~ 7,200)	
	Intermediate climate zone	Pdesignh	kW	9.9	11.5	12.2	12.1
		SCOP	W/W	4.0	4.0	4.0	4.0
		Energy labeling		A+	A+	A+	A+
		Tbiv (Temp. bivalent)	°C	-7	-7	-7	-7
		Tol	°C	-15	-15	-15	-15
	Warm climate zone	Pdesignh	kW	10.5	11.6	12.2	12.2
		SCOP	W/W	4.9	5.1	5.1	5.1
		Energy labeling		A++	A++	A+++	A+++
		Tbiv (Temp. bivalent)	°C	2	2	2	2
Indoor unit	Air flow rate (High / Medium / Low)	m³/h	1,400 / 1,150 / 750	2,400 / 2,040 / 1,680	2,400 / 2,040 / 1,680	2,600 / 2,040 / 1,680	
	Static pressure	Rated	Pa	37	50	50	50
		Adjustable	Pa	0 ~ 160	0 ~ 160	0 ~ 160	0 ~ 160
	Sound pressure (High / Medium / Low)	dB(A)	47 / 43 / 40	50.5 / 49.5 / 48	50.5 / 49.5 / 48	54 / 52 / 50.5	
	Sound power (High)	dB(A)	64	68	70	74	
	Drain connection	mm	Ø25	Ø25	Ø25	Ø25	
	Drain pump height (1*)	mm	750	750	750	750	
	Fresh air intake (2*)	mm	Ø125	Ø125	Ø125	Ø125	
	Power supply	V-Hz-Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	
	Max. intensity	A	2.8	2.5	2.5	3.8	
	Max. consumption	W	450	310	310	600	
	Inner power cable	mm²	2 x 1.5 + T	2 x 1.5 + T	2 x 1.5 + T	2 x 1.5 + T	
	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	47.6	
Outdoor unit	Air flow (High)	m³/h	4,300	6,800	6,800	7,200	
	Sound pressure (High)	dB(A)	61	65	65	62.5	
	Sound power (High)	dB(A)	69	72	73	76	
	Compressor (Brand / Model)		GMCC / ATF310D43UMT	GMCC / ATQ420D1UMU	GMCC / ATQ420D1UMU	GMCC / ATQ420D1UMU	
	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	26	13	14	
	Max. consumption	W	4,500	6,100	6,100	7,500	
	Outdoor power cable	mm²	2 x 4 + T	2 x 6 + T	4 x 2.5 + T	4 x 2.5 + T	
	Dimensions (Width x Height x Depth)	mm	946 x 810 x 410	952 x 1333 x 415	952 x 1333 x 415	952 x 1333 x 415	
	Weight	kg	67.2	95.1	108.1	112.8	
	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		R410A	R410A	R410A	
		Load	kg	3.2	4	4	
		Preload until	m	5	5	5	
		Additional load (from 5 m)	g/m	30	30	30	
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 2 m

* The above design and specifications are subject to change of product improvement without prior notice.

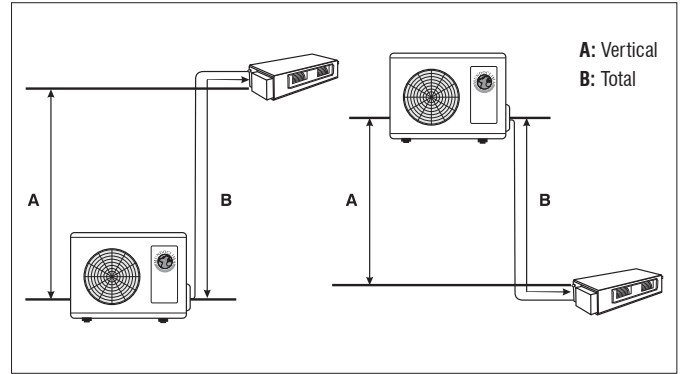
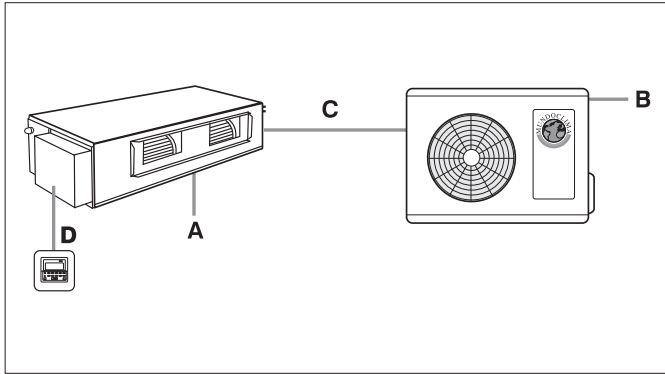
* The values of noise level match with values obtained in the anechoic chamber.

ELECTRICAL WIRING

Model	Power supply				Interconnection C	Control D
	Unit	Phases	Indoor A	Outdoor B		
MUCR-12-H8	OUTDOOR	SINGLEPHASE	-	3 x 2.5	4 x 1.5	4 x 1
MUCR-18-H8	IND/OUT	SINGLE/SINGLE	3 x 1.5	3 x 2.5	2 x 0.75 (Shielded)	2x1
MUCR-24-H8	IND/OUT	SINGLE/SINGLE	3 x 1.5	3 x 2.5		
MUCR-30-H8	IND/OUT	SINGLE/SINGLE	3 x 1.5	3x4		
MUCR-36-H8	IND/OUT	SINGLE/SINGLE	3 x 1.5	3 x 4		
MUCR-48-H8	IND/OUT	SINGLE/SINGLE	3 x 1.5	3 x 6		
MUCR-48-H8T	IND/OUT	SINGLE/THREE	3 x 1.5	5 x 2.5		
MUCR-60-H8T	IND/OUT	SINGLE/THREE	3 x 1.5	5 x 2.5		

CONNECTION PIPES AND ADDITIONAL REFRIGERANT LOAD

Model	Pipe		Max. distance		Additional Load (g/m)	Preload up to (m)
	Gas	Liquid	A	B		
MUCR-12-H8	3/8"	1/4"	10	25	15	5
MUCR-18-H8	1/2"	1/4"	20	30	15	5
MUCR-24-H8	5/8"	3/8"	25	50	30	5
MUCR-30-H8	5/8"	3/8"	25	50	30	5
MUCR-36-H8	5/8"	3/8"	30	65	30	5
MUCR-48-H8	5/8"	3/8"	30	65	30	5
MUCR-48-H8T	5/8"	3/8"	30	65	30	5
MUCR-60-H8T	5/8"	3/8"	30	65	30	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-E
(CL 94 907)



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



KJR-86C-E
(CL 92 870)



KJR-12B/DP(T)-E
(CL 94 848)



CCM180A/BWS
(CL 97 800)⁽²⁾



CCM30/BKE
(CL 92 871)



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)

BMS



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

WIFI



MUNDOCLIMA WF-60A1
(CL 97 157)

Accessories



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



JC-02
(CL 94 724)

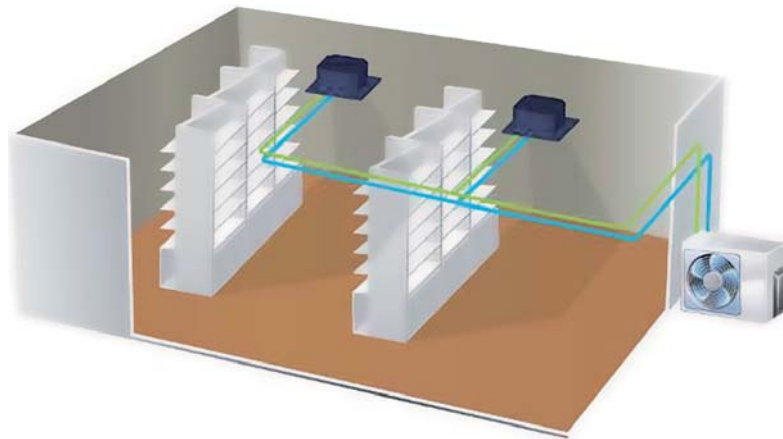
⁽¹⁾ You must remove the infrared receiver located in the unit and install it in a visible place, use the cable CL92907 to extend the wire up to 3 m. Or install the wired control KJR-29B1/BK-E (CL 92 869) (This control incorporates infrared receiver).

⁽²⁾ Please, check availability.

More information of the optionals in "MUNDOCLIMA CONTROL SYSTEMS"



Ducted Twin System (2x1)



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

Model			MUCR-18X2-H8	MUCR-24X2-H8	MUCR-24X2-H8T	MUCR-30X2-H8T
Code			CL 20 988	CL 20 989	CL 20 990	CL 20 991
Total capacity	Cooling / Heating	kW	10.55 / 11.14	14.07 / 16.12	14.07 / 16.12	15.20 / 18.17
Indoor units	Model		MUCR-18-H8	MUCR-24-H8	MUCR-24-H8	MUCR-30-H8
	Code		UI20281	UI20282	UI20282	UI20283
	Amount		2	2	2	2
	Individual capacity (Cooling / Heating)	kW	5.28 / 5.57	7.03 / 7.62	7.03 / 7.62	8.79 / 9.38
	Power supply		220-240V~ 50Hz, 1Ph			
Outdoor units	Model		MUCR-36-H8	MUCR-48-H8	MUCR-48-H8T	MUCR-60-H8T
	Code		UE20284	UE20286	UE20287	UE20288
	Amount		1	1	1	1
	Power supply		220-240V~ 50Hz, 1Ph		380-415V~ 50Hz, 3Ph	
Branch Pipe	Model		FQZHN-01D	FQZHN-01D	FQZHN-01D	FQZHN-01D
	Code		TF03611	TF03611	TF03611	TF03611
	Amount		1	1	1	1
Connection pipes	Unit Out. Unit to branch pipe (Liq./Gas)	inch	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"
	Unit Ind. Unit to branch pipe (Liq./Gas)	inch	1/4" - 1/2"	3/8" - 5/8"	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.

