

SPLIT CASSETTE TYPE MUCSR-H8 Series

MUNDOCLIMA®
SUPER DC INVERTER

**SCOP
4.0**



Models: 12 and 18



RG57B2/BGE
Included
(CL 94 982)



Models: 24 to 60



Design 360°

Thanks to the 360° panel design, the air is more evenly distributed.



Drainage pump

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



Compact size panel (only models 12 and 18)

The trim panel of the cassette type equipment is 600 × 600 mm.



Daily timer

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



Outdoor air inlet

Possibility of providing outside air directly on the indoor unit.



Pipe compatibility

Possibility of increasing a size over the standard diameter in the gas pipe.



LED digital display (except models 12 and 18)

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.



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 motor.



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 is energy-saving and provides night comfort.



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).

H8 SPLIT CASSETTE TYPE



SPECIFICATIONS:

Model			MUCSR-12-H8	MUCSR-18-H8	MUCSR-24-H8	MUCSR-30-H8	
Code			CL 20 260	CL 20 261	CL 20 262	CL 20 263	
Cooling	Nominal capacity (min. - max.)	kW	3.52 (0.62~4.40)	5.28 (0.79~6.15)	7.03 (1.20~8.21)	8.79 (2.08~10.55)	
	Nominal consumption (min. - max.)	W	960 (210~1,692)	1,630 (270~2,365)	2,170 (400~3,155)	2,765 (690~4,055)	
	Pdesignc	kW	3.5	5.1	7	8.8	
	SEER	W/W	6.1	6.3	6.1	6.1	
	Energy labeling		A++	A++	A++	A++	
Heating	Nominal capacity (min. - max.)	kW	4.10 (0.62~5.13)	5.57 (0.88~7.03)	7.62 (1.20~8.65)	9.08 (2.08~10.52)	
	Nominal consumption (min. - max.)	W	995 (496~1,830)	1,500 (295~2,510)	2,050 (400~3,090)	2,380 (690~3,755)	
	Intermediate climate zone	Pdesignh	kW	2.9	4.7	5.2	7.9
		SCOP	W/W	4.0	4.0	4.0	4.0
		Energy labeling		A+	A+	A+	A+
		Tbiv	°C	-7	-7	-7	-7
		Tol	°C	-15	-15	-15	-15
	Warm climate zone	Pdesignh	kW	3.5	5.0	5.6	8.3
		SCOP	W/W	5.1	5.1	5.1	5.1
		Energy labeling		A+++	A+++	A+++	A+++
		Tbiv	°C	2	2	2	2
Indoor unit	Air flow rate (High / Medium / Low)	m³/h	650 / 530 / 450	660 / 550 / 490	1,378 / 1,200 / 1,032	1,700 / 1,460 / 1,300	
	Sound pressure (High / Medium / Low)	dB(A)	42 / 38 / 34	46 / 42 / 38	47 / 43 / 40	53 / 48 / 44	
	Sound power (High)	dB(A)	57	57	61	64	
	Drain connection	mm	Φ25	Φ25	Φ32	Φ32	
	Drain pump height (*)	mm	750	750	750	750	
	Fresh air intake (**)	mm	Φ65	Φ65	Φ75	Φ75	
	Power supply	V-Hz-Ph	–	220-240 V~ 50 Hz, 1 Ph			
	Max. intensity	A	–	0.6	1.0	1.2	
	Max. consumption	W	–	70	100	120	
	Inner power cable	mm²	–	2 x 1.5 + T	2 x 1.5 + T	2 x 1.5 + T	
	Dimensions	Unit body (Width x Height x Depth)	mm	570 x 260 x 570	570 x 260 x 570	840 x 245 x 840	840 x 245 x 840
		Panel (Width x Height x Depth)	mm	647 x 50 x 647	647 x 50 x 647	950 x 55 x 950	950 x 55 x 950
	Weight	Unit	kg	16.2	16.5	23	26.5
Panel		kg	2.5	2.5	5	5	
Outdoor unit	Air flow (High)	m³/h	2,000	2,100	2,700	4,300	
	Sound pressure (High)	dB(A)	57.0	56.5	60.5	59.5	
	Sound power (High)	dB(A)	62	64	65	67	
	Compressor (Brand / Model)		GMCC / ASM98D32UFZ	GMCC / ASM135D23UFZ	GMCC / ATF235D22UMT	GMCC / ATF235D22UMT	
	Power supply	V-Hz-Ph	220-240 V~ 50 Hz, 1 Ph				
	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	29.9	35.5	49	62.9	
Whole set	Communication cable	mm²	4 x 1.5	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
		Additional load (from 5 m)	g/m	15	15	30	30
	Connection pipes	Liquid / Gas	mm (inch)	Φ6.35 / Φ9.52 (1/4" / 3/8")	Φ6.35 / Φ12.7 (1/4" / 1/2")	Φ9.52 / Φ15.9 (3/8" / 5/8")	Φ9.52 / Φ15.9 (3/8" / 5/8")
		Max. Length (**)	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			

Notes:

(*) Pump height measured from the unit shaft. The elbow is set horizontally at 200 mm maximum.

(**) Inner diameter.

(***) 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.

H8 SPLIT CASSETTE TYPE



SPECIFICATIONS:

Model			MUCSR-36-H8	MUCSR-48-H8	MUCSR-48-H8T	MUCSR-60-H8T	
Code			CL 20 264	CL 20 266	CL 20 267	CL 20 268	
Cooling	Nominal capacity (min. - max.)	kW	10.55 (2.93~12.02)	14.07 (3.99~16.12)	14.09 (3.99~16.12)	15.53 (4.98~18.46)	
	Nominal consumption (min. - max.)	W	4,060 (975~4,620)	5,740 (1,330~6,200)	5,390 (1,330~6,200)	6,400 (1,660~7,100)	
	Pdesignc	kW	10.5	14.0	14.0	15.2	
	SEER	W/W	6.1	5.6	5.6	5.6	
	Energy labeling		A++	A+	A+	A+	
Heating	Nominal capacity (min. - max.)	kW	11.13 (2.64~13.19)	16.12 (4.19~17.59)	16.12 (4.19~17.59)	18.17 (5.28~20.51)	
	Nominal consumption (min. - max.)	W	3,085 (880~4,690)	5,355 (1,400~6,765)	5,355 (1,400~6,765)	5,735 (1,760~7,320)	
	Intermediate climate zone	Pdesignh	kW	9.8	11.5	11.5	11.5
		SCOP	W/W	4.0	4.0	4.0	4.0
		Energy labeling		A+	A+	A+	A+
		Tbiv	°C	-7	-7	-7	-7
		Tol	°C	-15	-15	-15	-15
	Warm climate zone	Pdesignh	kW	10.5	11.8	11.6	12.2
		SCOP	W/W	5.1	5.1	5.1	5.1
		Energy labeling		A+++	A+++	A+++	A+++
Tbiv		°C	2	2	2	2	
Indoor unit	Air flow rate (High / Medium / Low)	m³/h	1,775 / 1,620 / 1,438	1,715 / 1,568 / 1,381	1,715 / 1,568 / 1,381	1,970 / 1,737 / 1,537	
	Sound pressure (High / Medium / Low)	dB(A)	52 / 49 / 46	52 / 50 / 49	52 / 50 / 49	53 / 50 / 48	
	Sound power (High)	dB(A)	61	64	64	68	
	Drain connection	mm	Φ32	Φ32	Φ32	Φ32	
	Drain pump height (*)	mm	750	750	750	750	
	Fresh air intake (**)	mm	Φ75	Φ75	Φ75	Φ75	
	Power supply	V-Hz-Ph	220-240 V~ 50 Hz, 1 Ph				
	Max. intensity	A	1.4	1.6	1.6	1.8	
	Max. consumption	W	170	200	200	220	
	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	Unit body (Width x Height x Depth)	mm	840 x 245 x 840	840 x 287 x 840	840 x 287 x 840	840 x 287 x 840
		Panel (Width x Height x Depth)	mm	950 x 55 x 950	950 x 55 x 950	950 x 55 x 950	950 x 55 x 950
	Weight	Unit	kg	27.5	28.7	28.7	29.7
Panel		kg	5	5	5	5	
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)	67	72	73	75	
	Compressor (Brand / Model)		GMCC / ATF310D43UMT	GMCC / ATQ420D1UMU	GMCC / ATQ420D1UMU	GMCC / ATQ420D1UMU	
	Power supply	V-Hz-Ph	220-240 V~ 50 Hz, 1 Ph	380-415 V~ 50 Hz, 3 Ph	380-415 V~ 50 Hz, 3 Ph	380-415 V~ 50 Hz, 3 Ph	
	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)				
	Refrigerant	Type		R410A	R410A	R410A	R410A
		Load	kg	3.2	4	4	4.3
		Preload until	m	5	5	5	5
		Additional load (from 5 m)	g/m	30	30	30	30
	Connection pipes	Liquid / Gas	mm (inch)	Φ9.52 / Φ15.9 (3/8" / 5/8")	Φ9.52 / Φ15.9 (3/8" / 5/8")	Φ9.52 / Φ15.9 (3/8" / 5/8")	Φ9.52 / Φ15.9 (3/8" / 5/8")
		Max. Length (**)	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				

Notes:

(*) Pump height measured from the unit shaft. The elbow is set horizontally at 200mm maximum.

(**) Inner diameter.

(***) Pipes minimum length of 2 m

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H8 SPLIT CASSETTE TYPE

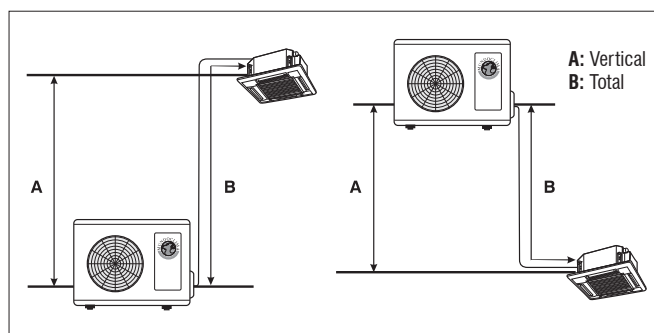
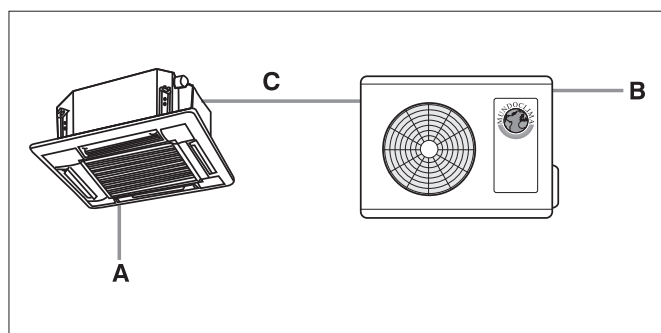


ELECTRICAL WIRING

Model	Power supply				Interconnection C
	Unit	Phases	Indoor A	Outdoor B	
MUCSR-12-H8	OUTDOOR	SINGLE	–	3 x 2.5	4 x 1.5
MUCSR-18-H8	IND/OUTD	SINGLE/SINGLE	3 x 1.5	3 x 2.5	2 x 0.75 (Shielded)
MUCSR-24-H8	IND/OUTD	SINGLE/SINGLE	3 x 1.5	3 x 2.5	
MUCSR-30-H8	IND/OUTD	SINGLE/SINGLE	3 x 1.5	3 x 4	
MUCSR-36-H8	IND/OUTD	SINGLE/SINGLE	3 x 1.5	3 x 4	
MUCSR-48-H8	IND/OUTD	SINGLE/SINGLE	3 x 1.5	3 x 6	
MUCSR-48-H8T	IND/OUTD	SINGLE/THREE	3 x 1.5	5 x 2.5	
MUCSR-60-H8T	IND/OUTD	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		
MUCSR-12-H8	3/8"	1/4"	10	25	15	5
MUCSR-18-H8	1/2"	1/4"	20	30	15	5
MUCSR-24-H8	5/8"	3/8"	25	50	30	5
MUCSR-30-H8	5/8"	3/8"	25	50	30	5
MUCSR-36-H8	5/8"	3/8"	30	65	30	5
MUCSR-48-H8	5/8"	3/8"	30	65	30	5
MUCSR-48-H8T	5/8"	3/8"	30	65	30	5
MUCSR-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



RG57A6/BGE
(CL 94 588)



KJR-120G/TF-E⁽¹⁾
(CL 94 907)



KJR-120C/TF-E
(CL 97 291)



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



KJR-86C-E
(CL 92 870)



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

Wired remote control

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)



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

BMS

Centralized controller



CCM180A/BWS
(CL 97 800)⁽²⁾



CCM30/BKE
(CL 92 871)



CCM15
(CL 92 872)



K-380EW
(CO 14 907)

WIFI



MUNDOCLIMA WF-60A1
(CL 97 157)

Accessories



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



JC-02
(CL 94 724)

⁽¹⁾ Necessary to acquire the adapter plate (CL 97 290).

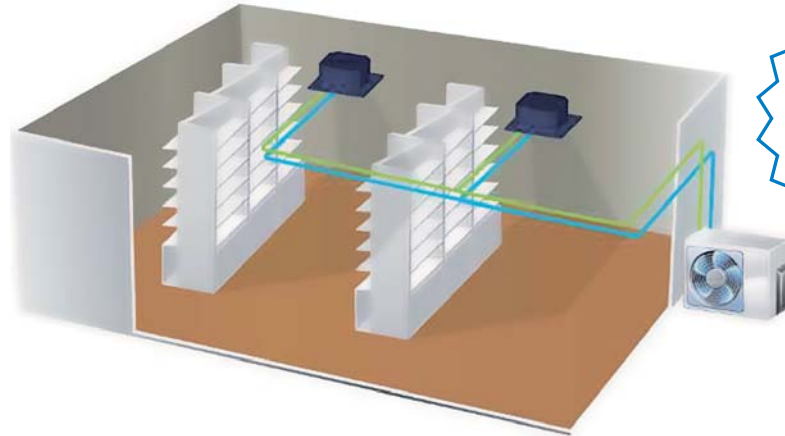
⁽²⁾ Please, check availability.

More information of the optionals in
"MUNDOCLIMA CONTROL SYSTEMS"



H8 SPLIT CASSETTE TYPE

Twin Cassette System (2x1)



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

Model			MUCSR-18X2-H8	MUCSR-24X2-H8	MUCSR-24X2-H8T	MUCSR-30X2-H8T
Code			CL 20 980	CL 20 981	CL 20 982	CL 20 983
Total capacity	Cooling / Heating	kW	10.55 / 11.14	14.07 / 16.12	14.07 / 16.12	15.20 / 18.17
Pcs. Indoor uts.	Model		MUCSR-18-H8	MUCSR-24-H8	MUCSR-24-H8	MUCSR-30-H8
	Code		UI20261	UI20262	UI20262	UI20263
	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			
Unit Exterior	Model		MUCSR-36-H8	MUCSR-48-H8	MUCSR-48-H8T	MUCSR-60-H8T
	Code		UE20264	UE20266	UE20267	UE20268
	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 distributor (Liq./Gas)	inch	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"
	Unit Ind. Unit to distributor (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 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

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

Twin systems Cassette (2x1) includes:

- 1 Outdoor unit (axial).
- 1 Outdoor unit (axial)
- 2 duct indoor units with identical capacity duct.
- 1 branch pipe FQZHN-01D.

