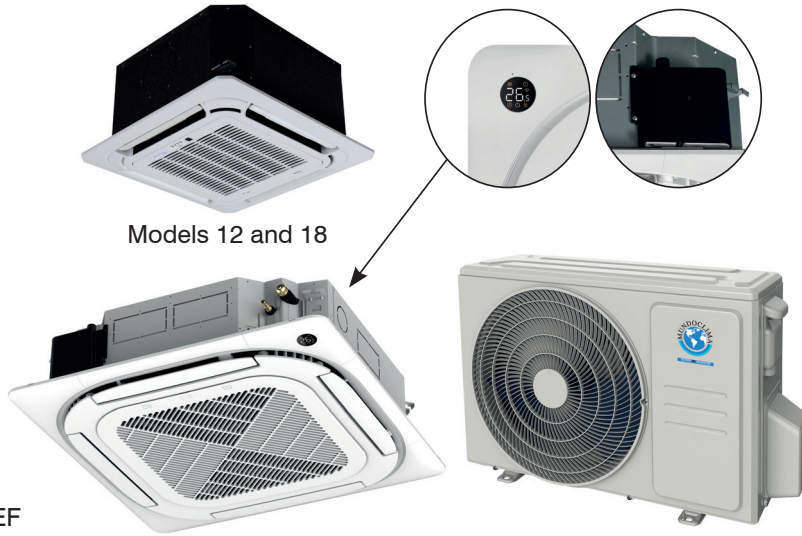


CASSETTE TYPE SPLIT MUCSR-H11 Series



Models 12 and 18

Models: 24 to 60

Models: 12 to 42

Models: 48 to 60

Outdoor condensate removal pump (2)
MAKES MAINTENANCE EASY!

RG10A(F2S)BGEF
Included
(CL 09 100)



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



360° Design
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 panel size (12 and 18 models only)
The trim panel of the cassette type unit measures 600 x 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 supplying outdoor air directly on the indoor unit.



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



Digital LED display (except models 12 and 18)
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 query of operating parameters using the RG10 wireless control.



Setpoint temperature range adjustment
The new remote control is able to adjust: Minimum cooling from 16°C up to 24°C; Maximum heating from 30°C up to 25°C.



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



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.



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
This unit uses a more eco-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.



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).



Continuous room input output (except models 12 and 18)
The unit has pre-drilled outlets for connecting a small duct to air-condition an adjacent room.

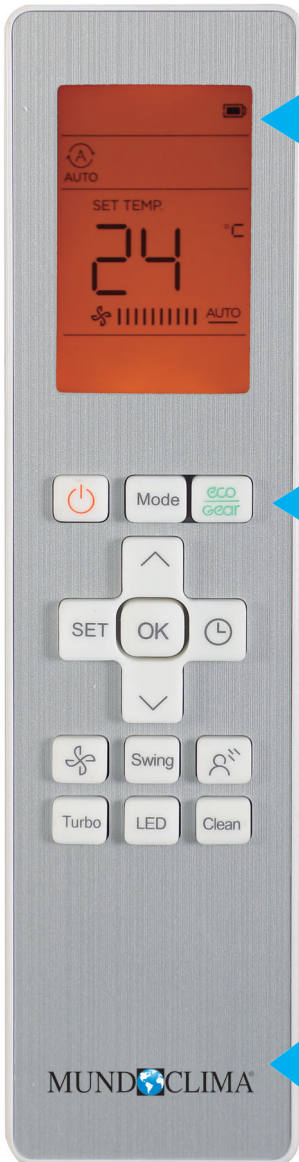
(1) SCOP warm climate zone, except models 18 and 48 which is A+++, see specification table for more information.

(2) Except models 12 and 18.

H11 CASSETTE TYPE SPLIT



PREMIUM MULTIFUNCTION REMOTE CONTROL

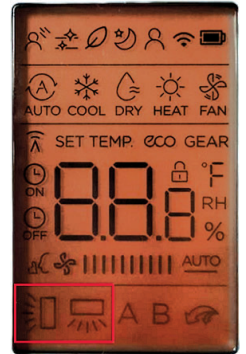


RG10A(F2S)BGEF
(CL 09 100)

LARGE BACKLIT DISPLAY

The RG10 remote control has a large display to show all the functions of the new equipment, for example:

- Fan speed adjustment from 1% to 100% in 1% increments.
- Functions: "Sleep", "Follow me", "Clean", "Turbo", "LED", "Swing", "ECO", "Gear" and Timer.



MULTIPLE CONFIGURATIONS

It also allows the adjustment of different functions of the equipment.

Set the parameters as desired:

Function	Adjustment
Auto-restart function	Active/Inactive
Temperature Compensation	Adjust the value from 0 °C to 6 °C
Fan speed setting	Adjust fan speed as desired
Temperature range setting	Minimum cooling from 16°C up to 24 °C Maximum heating from 30 °C up to 25 °C

and much more!

SAVE TIME IN MAINTENANCE

Finally, the new remote control also allows you to check operating parameters.

Check the operating frequency or temperature of all sensors of the equipment in an easy manner through the indoor unit's display.



ENGINEERING MODE MANUAL

Download the engineering mode manual from this QR code and ...
discover all the possibilities!

H11 CASSETTE TYPE SPLIT



SPECIFICATIONS

Model			MUCSR-12-H11	MUCSR-18-H11	MUCSR-24-H11	MUCSR-30-H11	
Joint code			CL 21 500	CL 21 501	CL 21 502	CL 21 503	
Cooling	Nominal capacity (min. - max.)	kW	3.52 (0.85 ~ 4.11)	5.28 (2.90 ~ 5.59)	7.03 (3.30 ~ 7.91)	8.79 (2.23 ~ 9.38)	
	Nominal consumption (min. - max.)	kW	1.01 (0.16 ~ 0.14)	1.63 (0.72 ~ 2.08)	2.32 (0.78 ~ 2.74)	2.75 (0.19 ~ 3.00)	
	Pdesignc (design load)	kW	3.5	5.3	7.0	8.8	
	SEER	W/W	6.6	6.3	6.2	6.6	
	Energy labeling		A++	A++	A++	A++	
	Seasonal energy efficiency for space cooling	hs,c (%)	--	--	--	--	
Annual electricity consumption			186	294	395	467	
Heating	Nominal capacity (min. - max.)		kW	3.81 (0.47 ~ 4.31)	5.57 (2.37 ~ 6.10)	7.62 (2.81 ~ 8.94)	9.38 (2.70 ~ 9.73)
	Nominal consumption (min. - max.)		kW	1.01 (0.12 ~ 1.37)	1.54 (0.70 ~ 1.93)	1.90 (0.61 ~ 2.70)	2.45 (0.43 ~ 2.55)
	Intermediate climate zone	Pdesigngh	kW	2.7	4.2	6.0	7.4
		SCOP	W/W	4.1	4.0	4.0	4.2
		Energy labeling		A+	A+	A+	A
		Seasonal energy efficiency for space heating	hs,h (%)	--	--	--	--
		Annual electricity consumption	kWh/year	922	1470	2 100	2467
		Tbiv	°C	-7	-7	-7	-7
	Tol (Operating limit temp.)		°C	-15	-15	-15	-15
	Warm climate zone	Pdesigngh	kW	3.3	5.4	6.3	7.6
		SCOP	W/W	5.1	4.8	5.1	5.1
		Energy labeling		A+++	A++	A+++	A+++
		Annual electricity consumption	kWh/year	906	1575	1729	2086
		Tbiv	°C	2	2	2	2
	Indoor unit	Model		MUCSR-12-H11-I	MUCSR-18-H11-I	MUCSR-24-H11-I	MUCSR-30-H11-I
Panel		MUCSR-H11-P1	MUCSR-H11-P1	MUCSR-H11-P2	MUCSR-H11-P2		
Code		UI 21 500	UI 21 501	UI 21 502	UI 21 503		
Panel		UI 21 500	UA 21 500	UA 21 502	UA 21 502		
EAN Code		8432953050290	8432953050306	8432953050313	8432953050320		
Panel		8432953050504	8432953050504	8432953050511	8432953050511		
Air flow rate (High / Medium / Low)		m³/h	620 / 510 / 420	720 / 620 / 500	1,300 / 1,140 / 1,000	1 720 / 1 550 / 1 400	
Sound pressure (High / Medium / Low / Silence) ⁽⁴⁾		dB (A)	41/36/33/25.5	43/39.5/35.5/29	45.5/42.5/39.5/27	49.5/47/44/38.5	
Sound power (High)		dB (A)	56	57	57	63	
Drain connection (OD)		mm	Ø 25	Ø 25	Ø 25	Ø 25	
Drain pump height ⁽¹⁾		mm	750	750	750	750	
Fresh air intake ⁽²⁾		mm	Ø 65	Ø 65	Ø 75	Ø 75	
Dimensions (Width x Height x Depth)		Body	mm	570 x 260 x 570	570 x 260 x 570	830 x 205 x 830	830 x 245 x 830
		Panel	mm	647 x 50 x 647	647 x 50 x 647	950 x 75 x 950	950 x 75 x 950
Weight	Body	kg	16.3	16	21.6	24.6	
	Panel	kg	2.5	2.5	6	6	
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)	53.5	54.5	59	61.5
	Sound power (High)		dB (A)	60	63	67	70
	Compressor (Brand / Model)			GMCC/KSN98D64UFZ3	GMCC/SN140D21UFZ	GMCC/TM240D43UKT	GMCC/TM240D43UKT
	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	
Refrigerant	Type / GWP		R32 / 675	R32 / 675	R32 / 675	R32 / 675	
	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)	Ø 6.35 (1/4")	Ø 6.35 (1/4")	Ø 9.52 (3/8")	Ø 9.52 (3/8")	
	Gas	mm (inch)	Ø 9.52 (3/8")	Ø 12.7 (1/2")	Ø 15.9 (5/8")	Ø 15.9 (5/8")	
	Maximum length ⁽³⁾	m	25	30	50	50	
	Max. Height Difference	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
	Maximum consumption		kW	1.85	2.95	3.7	4.5
	Max. current		A	9	13.5	19	20
	Power cord (outdoor unit)		mm²	2 x 2.5 + T	2 x 2.5 + T	2 x 2.5 + T	2 x 2.5 + T
	Communication cable		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⁾ Minimum pipe length: 3 m.

⁽⁴⁾ "Silence" mode is selectable only via RG10 wireless remote control

* Design and specifications are subject to change without notice for product improvement.

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

*** All the data and specifications can be changed without previous notice.

H11 CASSETTE TYPE SPLIT



SPECIFICATIONS

Model			MUCSR-36-H11	MUCSR-42-H11	MUCSR-48-H11	MUCSR-48-H11T	MUCSR-60-H11T	
Joint code			CL 21 504	CL 21 505	CL 21 506	CL 21 507	CL 21 508	
Cooling	Nominal capacity (min. - max.)	kW	10.55 (2.70 ~ 11.43)	12.02 (2.93 ~ 12.31)	14.07 (3.52 ~ 15.24)	14.07 (3.52 ~ 15.83)	15.24 (4.10 ~ 16.71)	
	Nominal consumption (min. - max.)	kW	3.95 (0.90 ~ 4.20)	4.20 (0.68 ~ 4.35)	4.95 (0.80 ~ 5.70)	4.65 (0.80 ~ 5.90)	5.00 (0.98 ~ 6.20)	
	Pdesignc (design load)	kW	10.5	12.1	14.0	14.0	15.3	
	SEER	W/W	6.7	6.1	6.1	6.1	6.3	
	Energy labeling		A++	A++	A++	A++	A++	
	Seasonal energy efficiency for space cooling	hs,c (%)	--	241	241	241	249	
	Annual electricity consumption	kWh/year	549	700	810	811	860	
Heating	Nominal capacity (min. - max.)		kW	11.14 (2.78 ~ 12.30)	13.48 (3.37 ~ 14.07)	16.12 (4.20~17.00)	16.12 (4.10~17.29)	18.17 (4.40 ~ 19.93)
	Nominal consumption (min. - max.)		kW	3.00 (0.80 ~ 3.95)	3.70 (0.75 ~ 4.25)	4.75 (0.90~5.80)	4.58 (0.90~5.50)	5.55 (0.102 ~ 6.70)
	Intermediate climate zone	Pdesignh	kW	8.5	9.5	11.0	11.0	11.9
		SCOP	W/W	4.0	4.0	4.0	4.0	4.0
		Energy labeling		A+	A+	A+	A+	A+
		Seasonal energy efficiency for space heating	hs,h (%)	--	157	157	157	157
		Annual electricity consumption	kWh/year	2,975	3,275	3,860	4,025	4,190
	Warm climate zone	Tbiv	°C	-7	-7	-7	-7	-10
		Tol (Operating limit temp.)	°C	-15	-15	-15	-15	-15
		Pdesignh	kW	10.1	9.8	12.0	11.5	12.5
		SCOP	W/W	5.1	5.1	5	5	5.1
		Energy labeling		A+++	A+++	A++	A++	A+++
	Annual electricity consumption	kWh/year	2,773	2,690	3,360	3,220	3,431	
	Tbiv	°C	2	2	2	2	2	
	Indoor unit	Model		MUCSR-36-H11-I	MUCSR-42-H11-I	MUCSR-48-H11-I	MUCSR-48-H11-I	MUCSR-60-H11-I
Panel		MUCSR-H11-P2	MUCSR-H11-P2	MUCSR-H11-P2	MUCSR-H11-P2	MUCSR-H11-P2		
Code		UI 21 504	UI 21 505	UI21507	UI 21 507	UI 21 508		
Panel		UI 21 502	UA 21 502	UA21502	UA 21 502	UA 21 502		
EAN Code		8432953050337	8432953050344	8432953050351	8432953050351	8432953050368		
Panel		8432953050511	8432953050511	8432953050511	8432953050511	8432953050511		
Air flow rate (High / Medium / Low)		m³/h	1700 / 1550 / 1380	1900 / 1750 / 1600	1970 / 1780 / 1580	1970 / 1780 / 1580	2000 / 1850 / 1650	
Sound pressure (High / Medium / Low / Silence) ⁽⁴⁾		dB (A)	50/47.5/44.5/39	51/48.5/46/38	51/48.5/46.5/37.5	51/48.5/46.5/37.5	53/50.5/48/40	
Sound power (High)		dB (A)	63	65	65	65	65	
Drain connection (OD)		mm	Ø 25	Ø 25	Ø 25	Ø 25	Ø 25	
Drain pump height ⁽¹⁾		mm	750	750	750	750	750	
Fresh air intake ⁽²⁾		mm	Ø 75	Ø 75	Ø 75	Ø 75	Ø 75	
Dimensions (Width x Height x Depth)		Body	mm	830 x 245 x 830	830 x 287 x 830	830 x 287 x 830	830 x 287 x 830	830 x 287 x 830
		Panel	mm	950 x 75 x 950	950 x 75 x 950	950 x 75 x 950	950 x 75 x 950	950 x 75 x 950
Weight		Body	kg	27.2	29.3	29.3	29.3	29.3
	Panel	kg	6	6	6	6	6	
Outdoor Unit	Model		MUER-36-H11-E	MUER-42-H11-E	MUER-48-H11-E	MUER-48-H11T-E	MUER-60-H11T-E	
	Code		UE 20 504	UE 20 505	UE21506	UE 20 507	UE 20 508	
	EAN Code		8432953050252	8432953050269	8432953055110	8432953050276	8432953050283	
	Air flow (High)	m³/h	4,000	4,000	7,500	7,500	7,500	
	Sound pressure (High)	dB (A)	62.5	62	63.0	63	63.5	
	Sound power (High)	dB (A)	70	71	73	73	73	
	Compressor (Brand / Model)		GMCC / KTF310D43UMT			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	952 x 1333 x 415
	Weight		kg	66.9	71	91.5	103.7	107
	Refrigerant	Type / GWP		R32 / 675				
Load		kg/TCO _{eq}	2.4 / 1.620	2.8 / 1.89	2.9 / 1.96	2.9 / 1.96	3.0 / 2.03	
Preload until		m	5	5	5	5	5	
Additional load (from 5 m)		g / m	24	24	24	24	24	
Connection pipes	Liquid	mm (inch)	Ø 9.52 (3/8")	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")	Ø 15.9 (5/8")	
	Maximum length ⁽³⁾	m	75	75	75	75	75	
	Max. Height Difference	m	30	30	30	30	30	
Electrical data	Power supply		V - Hz - Ph	220-240 ~ 50, 1N	220-240 ~ 50, 1N	220-240 ~ 50, 1N	380-415 ~ 50, 3N	380-415 ~ 50, 3N
	Maximum consumption	kW	5	5	6.9	6.9	7.5	
	Max. current	A	22.5	22.5	29	13	14	
	Power cord (outdoor unit)	mm²	2 x 4 + T	2 x 4 + T	2 x 6 + T	4 x 2.5 + 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	3 x 1 + T	
Operating temperature	Indoor (Cooling / Heating)	°C	16 ~ 32 / 0 ~ 30	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	-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 the anechoic chamber.

*** All the data and specifications can be changed without previous notice.

H11 CASSETTE TYPE SPLIT

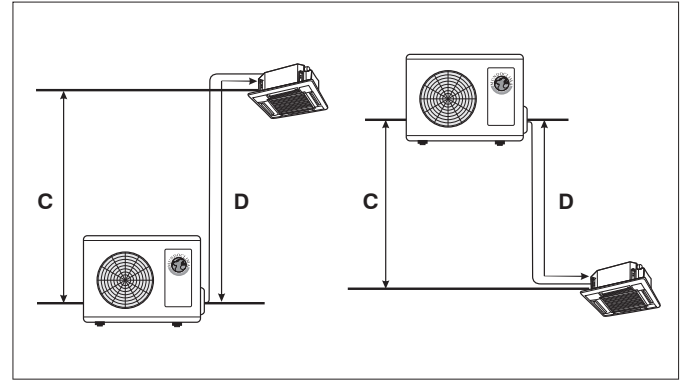
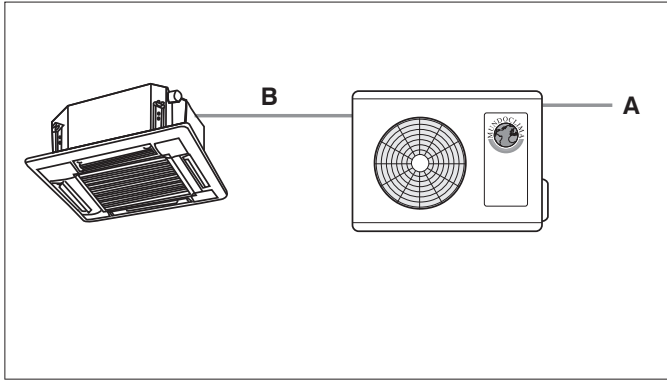


ELECTRICAL WIRING

Model	Power supply (outdoor unit only)		Interconnection (B)
	Type	Section (A)	
12	230 V (1N~)	2 x 2.5 + T (mm ²)	3 x 1 + T (mm ²)
18			
24			
30		2 x 4 + T (mm ²)	
36			
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	
30						
36						
42						
48	30 m	75 m				
48T						
60T						



OPTIONALS

More information on the optionals in "MUNDOCLIMA CONTROL SYSTEMS"

Wireless control



RG10A1(F2S)BGEF
(CL 97 807)

Wired remote control



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

RECOMMENDED



KJR-120N(X4W)/BGEF
(CL 09 211)

Wired control with WIFI



KJR-120P(X6W)/EF
(CL 09 214)

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)

Centralized controller



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)

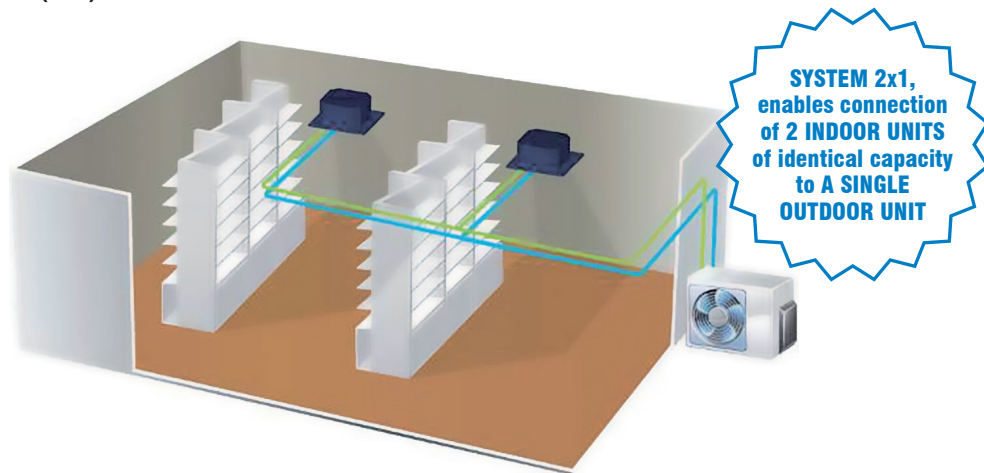


M-CHECK
(CL 09 410)

H11 CASSETTE TYPE SPLIT



CASSETTE TWIN SYSTEM (2x1)



Model			MUCSR-24X2-H11T	MUCSR-30X2-H11T
Code			CL 21 901	CL 21 902
Nominal capacity	Cooling	kW	7.03 + 7.03	8.79 + 8.79
	Heating	kW	7.62 + 7.62	9.38 + 9.38
Pcs. Indoor Units	Model		MUCSR-24-H11-I	MUCSR-30-H11-I
	Code		UI 21 502	UI 21 503
	Quantity		2	
Trim panel	Model		MUCSR-H11-P2	
	Code		UI 20 502	
	Quantity		2	
Outdoor Outdoor	Model		MUER-48-H11T-E	MUER-60-H11T-E
	Code		UE 21 507	UE 21 508
	Quantity		1	
Branch Pipe	Model		FQZHN-01D	
	Code		LC 23 220	
	Quantity		1	
Connection pipes	Outdoor Out. Unit to distributor (Liq./Gas)	mm (inch)	Ø 9.52 (3/8") / Ø 15.9 (5/8")	
	Outdoor Ind. Unit to distributor (Liq./Gas)	mm (inch)	Ø 9.52 (3/8") / Ø 15.9 (5/8")	
Electrical Data	Power supply	V - Hz - Ph	380-415 ~ 50, 3N	
	Maximum consumption	kW	6.9	7.5
	Max. current	A	13	14
	Power cord (outdoor unit)	mm ²	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 SW8 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.

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

- 2 Cassette indoor units with identical capacity.

- 1 distributor FQZHN-01D.

- 2 RG10 wireless controls (only the Master Unit responds to commands)

