

FLOOR-CEILING TYPE SPLIT MISTR-H11 Series



RG10A(F2S)BGEF
Included
(CL 09 100)



Models: 18 to 36



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).
- 
Horizontal and vertical blade swing
 Better air distribution thanks to the automatic blade swing, horizontal and vertical.
- 
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.
- 
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
 Cooling/Heating maximum 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.
- 
GEAR
 It allows the equipment capacity to be set to 50%, 75% or 100% (default).
- 
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
 Equipment using the most 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.
- 
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.
- 
Centralized controller CCM
 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, see specification table for more information.

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PREMIUM MULTIFUNCTION REMOTE CONTROL



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(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 FLOOR-CEILING TYPE SPLIT



SPECIFICATIONS

Model			MUSTR-18-H11	MUSTR-24-H11	MUSTR-36-H11	
Joint code			CL 21 511	CL 21 512	CL 21 514	
Cooling	Nominal capacity (min. - max.)	kW	5.28 (2.71 ~ 5.86)	7.03 (3.22 ~ 7.77)	10.55 (2.73 ~ 11.43)	
	Nominal consumption (min. - max.)	kW	1.45 (0.67 ~ 2.02)	2.30 (0.74 ~ 2.93)	3.90 (0.90 ~ 4.25)	
	Pdesignc (design load)	kW	5.4	7.2	10.5	
	SEER	W/W	6.2	6.1	6.4	
	Energy labeling		A++	A++	A++	
	Seasonal energy efficiency for space cooling	hs,c (%)	--	--	--	
Annual electricity consumption		kWh/year	305	413	574	
Heating	Nominal capacity (min. - max.)		kW	5.57 (2.42 ~ 6.30)	7.62 (2.72 ~ 8.29)	11.72 (2.78 ~ 12.78)
	Nominal consumption (min. - max.)		kW	1.50 (0.54 ~ 1.64)	2.05 (0.65 ~ 2.85)	3.35 (0.80 ~ 3.95)
	Intermediate climate zone	Pdesignh	kW	4.0	5.5	8.6
		SCOP	W/W	4.0	4.0	4.1
		Energy labeling		A+	A+	A+
		Seasonal energy efficiency for space heating	hs,h (%)	--	--	--
		Annual electricity consumption	kWh/year	1,400	1,925	2,937
		Tbiv	°C	-7	-7	-7
	Warm climate zone	Tol (Operating limit temp.)	°C	-15	-15	-15
		Pdesignh	kW	5.1	5.8	10.2
		SCOP	W/W	5.1	5.1	5.1
		Energy labeling		A+++	A+++	A+++
		Annual electricity consumption	kWh/year	1,400	1,592	2,800
		Tbiv	°C	2	2	2
Indoor unit	Model		MUSTR-18-H11-I	MUSTR-24-H11-I	MUSTR-36-H11-I	
	Code		UI 21 511	UI 21 512	UI 21 514	
	EAN Code		8432953050375	8432953050382	8432953050399	
	Air flow rate (High / Medium / Low)	m³/h	958 / 839 / 723	1,192 / 1,023 / 853	1,955 / 1,728 / 1,504	
	Sound pressure (High / Medium / Low / Silence) ⁽³⁾	dB (A)	43.5 / 41 / 36.5 / 24	49 / 46 / 43 / 32	50 / 48.5 / 44 / 37	
	Sound power (High)	dB (A)	57	55	64	
	Drain connection (OD)	mm	Ø 25	Ø 25	Ø 25	
	Fresh air intake ^(*)	mm	Ø 120	Ø 120	Ø 120	
	Dimensions (Width x Height x Depth)	mm	1,068 x 235 x 675	1,068 x 235 x 675	1,650 x 235 x 675	
	Weight	kg	28	28	41.5	
Outdoor Unit	Model		MUER-18-H11-E	MUER-24-H11-E	MUER-36-H11-E	
	Code		UE 21 501	UE 21 502	UE 21 504	
	EAN Code		8432953050221	8432953050238	8432953050252	
	Air flow (High)	m³/h	2,100	3,500	4,000	
	Sound pressure (High)	dB (A)	57	60	63	
	Sound power (High)	dB (A)	65	66	70	
	Compressor (Brand / Model)		GMCC / KSN140D21UFZ	GMCC / KTM240D43UKT	GMCC / KTF310D43UMT	
	Dimensions (Width x Height x Depth)	mm	805 x 554 x 330	890 x 673 x 342	946 x 810 x 410	
	Weight	kg	32.5	43.9	66.9	
Refrigerant	Type / GWP		R32 / 675	R32 / 675	R32 / 675	
	Load	kg / TCO ₂ eq	1.15 / 0.776	1.5 / 1.012	2.4 / 1.620	
	Preload until	m	5	5	5	
	Additional load (from 5 m)	g / m	12	24	24	
Connection pipes	Liquid	mm (inch)	Ø 6.35 (1/4")	Ø 9.52 (3/8")	Ø 9.52 (3/8")	
	Gas	mm (inch)	Ø 12.7 (1/2")	Ø 15.9 (5/8")	Ø 15.9 (5/8")	
	Maximum length ^(*)	m	30	50	75	
	Max. Height Difference	m	20	25	30	
Electrical data	Power supply	V - Hz - Ph	220-240 ~ 50, 1N	220-240 ~ 50, 1N	220-240 ~ 50, 1N	
	Maximum consumption	kW	2.95	3.7	5	
	Max. current	A	13.5	19	22.5	
	Power cord (outdoor unit)	mm²	2 x 2.5 + T	2 x 2.5 + T	2 x 4 + T	
Communication cable	mm²	3 x 1 + T	3 x 1 + T	3 x 1 + T		
Temperature while operating	Indoor (Cooling / Heating)	°C	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	

Notes:

⁽¹⁾ Inner diameter.

⁽²⁾ Pipes minimum length of 3 m

⁽³⁾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 FLOOR-CEILING TYPE SPLIT



SPECIFICATIONS

Model			MUSTR-48-H11T	MUSTR-60-H11T		
Joint code			CL 21 517	CL 21 518		
Cooling	Nominal capacity (min. - max.)	kW	14.07 (3.52 ~ 15.24)	15.83 (4.10 ~ 16.71)		
	Nominal consumption (min. - max.)	kW	5.00 (0.90 ~ 5.95)	5.65 (1.10 ~ 6.65)		
	Pdesignc (design load)	kW	14.0	15.5		
	SEER	W/W	6.1	6.1		
	Energy labeling			A++	A++	
	Seasonal energy efficiency for space cooling		hs,c (%)	241	241	
	Annual electricity consumption		kWh/year	809	890	
Heating	Nominal capacity (min. - max.)		kW	16.12 (4.10 ~ 17.00)	18.17 (4.40 ~ 19.64)	
	Nominal consumption (min. - max.)		kW	5.10 (1.00 ~ 6.05)	6.05 (1.05 ~ 7.10)	
	Intermediate climate zone	Pdesignh		kW	11.2	11.9
		SCOP		W/W	4.0	4.0
		Energy labeling			A+	A+
		Seasonal energy efficiency for space heating		hs,h (%)	157	157
		Annual electricity consumption		kWh/year	4,079	4,150
		Tbiv		°C	-7	-10
		Tol (Operating limit temp.)		°C	-15	-15
	Warm climate zone	Pdesignh		kW	11.7	12.6
		SCOP		W/W	5.1	5.1
		Energy labeling			A+++	A+++
		Annual electricity consumption		kWh/year	3,211	3,459
		Tbiv		°C	2	2
	Indoor unit	Model		MUSTR-48-H11-I	MUSTR-60-H11-I	
Code		UI 21 517	UI 21 518			
EAN Code		8432953050405	8432953050412			
Air flow rate (High / Medium / Low)		m³/h	2,100 / 1,850 / 1,600	2,200 / 1,950 / 1,650		
Sound pressure (High / Medium / Low / Silence) ⁽³⁾		dB (A)	53 / 50 / 45 / 36	54 / 50.5 / 46.5 / 38		
Sound power (High)		dB (A)	67	67		
Drain connection (OD)		mm	Ø 25	Ø 25		
Fresh air intake ^(*)		mm	Ø 120	Ø 120		
Dimensions (Width x Height x Depth)		mm	1,650 x 235 x 675	1,650 x 235 x 675		
Weight		kg	41.7	42.3		
Outdoor Unit	Model		MUER-48-H11T-E	MUER-60-H11T-E		
	Code		UE 21 507	UE 21 508		
	EAN Code		8432953050276	8432953050283		
	Air flow (High)		m³/h	7,500	7,500	
	Sound pressure (High)		dB (A)	63.5	64	
	Sound power (High)		dB (A)	73	73	
	Compressor (Brand / Model)			GMCC / KTQ420D1UMU	GMCC / KTQ420D1UMU	
	Dimensions (Width x Height x Depth)		mm	952 x 1333 x 415	952 x 1333 x 415	
Weight		kg	103.7	107		
Refrigerant	Type / GWP		R32 / 675	R32 / 675		
	Load	kg / TCO ₂ eq	2.9 / 1.96	3.0 / 2.03		
	Preload until	m	5	5		
	Additional load (from 5 m)	g / m	24	24		
Connection pipes	Liquid	mm (inch)	Ø 9.52 (3/8")	Ø 9.52 (3/8")		
	Gas	mm (inch)	Ø 15.9 (5/8")	Ø 15.9 (5/8")		
	Maximum length ⁽²⁾	m	75	75		
	Max. Height Difference	m	30	30		
Electrical data	Power supply	V - Hz - Ph	380-415 ~ 50, 3N	380-415 ~ 50, 3N		
	Maximum consumption	kW	6.9	7.5		
	Max. current	A	13	14		
	Power cord (outdoor unit)	mm²	4 x 2.5 + T	4 x 2.5 + T		
	Communication cable	mm²	3 x 1 + T	3 x 1 + T		
Temperature 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:

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⁽²⁾ Pipes minimum length of 3 m

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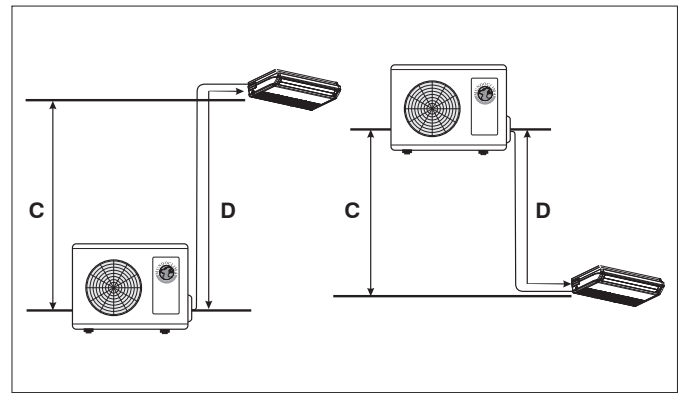
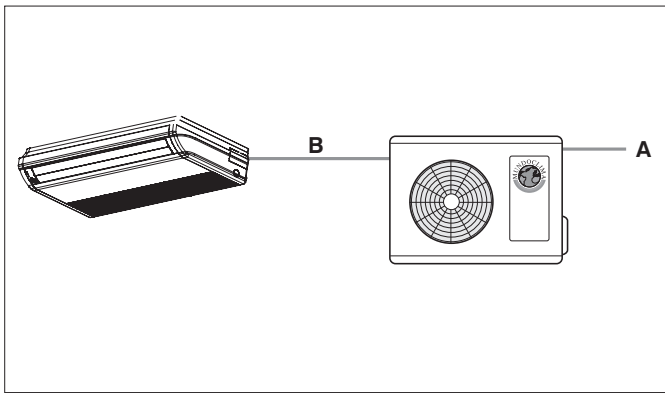


ELECTRICAL WIRING

Model	Power supply (outdoor unit only)		Interconnection (B)
	Type	Section (A)	
18	230 V (1N~)	2 x 2.5 + T (mm ²)	3 x 1 + T (mm ²)
24			
36		2 x 4 + T (mm ²)	
48	400V (3N~)	4 x 2.5 + T (mm ²)	
60			

CONNECTION PIPES AND ADDITIONAL CHARGE (R-32)

Model	Pipe		Max. distance		Additional refrigerant charge	Preload until
	Liquid	Gas	Vertical (C)	Total (D)		
18	1/4"	1/2"	20 m	30 m	12 g/m	5 m
24	3/8"	5/8"	25 m	50 m	24 g/m	
36			30 m	75 m		
48						
60						



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

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



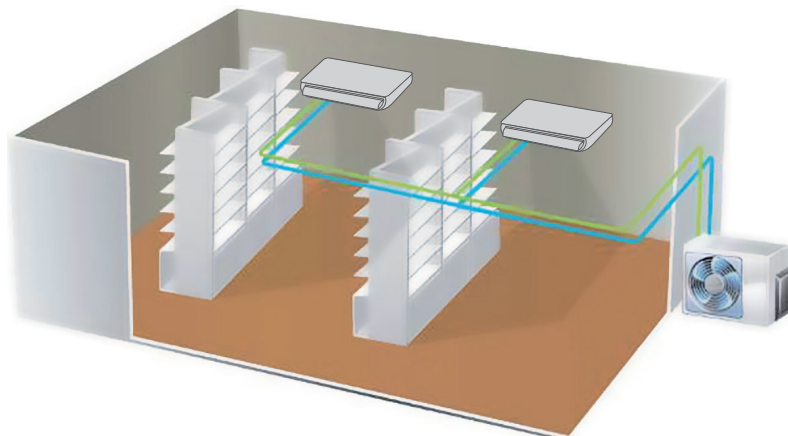
JC-02
(CL 94 724)



M-CHECK
(CL 09 410)

H11 FLOOR-CEILING TYPE SPLIT

FLOOR-CEILING TWIN SYSTEM (2x1)



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

Model			MUSTR-18X2-H11	MUSTR-24X2-H11T
Joint code			CL 21 903	CL 21 904
Nominal capacity	Cooling	kW	5.28 + 5.28	7.03 + 7.03
	Heating	kW	5.57 + 5.57	7.62 + 7.62
Indoor Units	Model		MUSTR-18-H11-I	MUSTR-24-H11-I
	Code		UI 21 511	UI 21 512
	Quantity		2	
Outdoor Unit	Model		MUER-36-H11-E	MUER-48-H11T-E
	Code		UE21504	UE21507
	Quantity		1	
Branch Pipe	Model		FQZHN-01D	
	Code		LC 23 220	
	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 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	380-415 ~ 50, 3N
	Maximum consumption	kW	5	6.9
	Max. current	A	22.5	13
	Power cord (outdoor unit)	mm ²	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.

- Ceiling-Floor Twin Systems (2x1) include:**
- 1 Outdoor unit (axial).
 - 2 Indoor units ceiling-floor with the same capacity.
 - 1 branch pipe FQZHN-01D.
 - 2 RG10 wireless controllers (only the Master unit responds to commands)



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