

SPLIT TYPE CEILING - FLOOR MUSTR-H8 Series

**SCOP
4.0**



RG57B2/BGE
Included
(CL 94 982)



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 providing outside 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 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 shown 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).

SPLIT TYPE CEILING-FLOOR H8



SPECIFICATIONS:

Model		MUSTR-18-H8	MUSTR-24-H8	MUSTR-30-H8	MUSTR-36-H8		
Code		CL 20 271	CL 20 272	CL 20 273	CL 20 274		
Cooling	Nominal capacity (min. - max.)	kW	5.28 (0.79~6.15)	7.03 (1.20~8.21)	8.79 (2.08~10.55)	10.55 (2.93~12.02)	
	Nominal consumption (min. - max.)	W	1,630 (270~2,365)	2,285 (400~3,155)	2,960 (690~4,055)	4,060 (975~4,620)	
	Pdesignc	kW	5.3	7.0	8.8	10.5	
	SEER	W/W	6.5	6.1	6.1	6.3	
	Energy labeling		A++	A++	A++	A++	
Heating	Nominal capacity (min. - max.)	kW	5.67 (0.88~7.03)	7.62 (1.20~8.65)	9.38 (2.08~10.84)	11.13 (2.64~13.19)	
	Nominal consumption (min. - max.)	W	1,460 (255~2,510)	2,050 (400~3,090)	2,475 (690~3,870)	2,985 (880~4,690)	
	Intermediate climate zone	Pdesignh	kW	3.8	5.3	8.2	10.5
		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	5.2	5.6	8.6	10.5
		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	902/786/677	1,208/1,066/853	1,650/1,450/1,250	2,160/1,844/1,431
		Sound pressure (High / Medium / Low)	dB(A)	45 / 40 / 37	50 / 46 / 41	54 / 49 / 44	51 / 47 / 42
Sound power (High)		dB(A)	57	63	64	63	
Drain connection		mm	Φ25	Φ25	Φ25	Φ25	
Fresh air intake (1*)		mm	Φ120	Φ120	Φ120	Φ120	
Power supply		V-Hz-Ph	220-240V~50Hz, 1Ph				
Max. intensity		A	0.8	1.2	1.3	1.5	
Max. consumption		W	80	120	160	180	
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	1,068 x 235 x 675	1,068 x 235 x 675	1,650 x 235 x 675	1,650 x 235 x 675	
Weight		kg	26.6	26.8	31.5	39	
Outdoor unit		Air flow (High)	m³/h	2,100	2,700	4,300	4,300
	Sound pressure (High)	dB(A)	56.5	60.5	59.5	61	
	Sound power (High)	dB(A)	65	65	66	69	
	Compressor (Brand / Model)		GMCC / ASM135D23UFZ	GMCC / ATF235D22UMT	GMCC / ATF235D22UMT	GMCC / ATF310D43UMT	
	Power supply	V-Hz-Ph	220-240V~50Hz, 1Ph				
	Max. intensity	A	10	14	19	21	
	Max. consumption	W	2,200	2,950	3,400	4,500	
	Outdoor power cable	mm²	2 x 2.5 + T	2 x 2.5 + T	2 x 4 + T	2 x 4 + T	
	Dimensions (Width x Height x Depth)	mm	800 x 554 x 333	845 x 702 x 363	946 x 810 x 410	946 x 810 x 410	
	Weight	kg	35.5	49	62.9	67.2	
	Whole set	Communication cable	mm²	2 x 0.75 (shielded)			
Refrigerant		Type		R410A	R410A	R410A	R410A
		Load	kg	1.78	1.95	2.8	3.2
		Preload until	m	5	5	5	5
		Additional load (from 5 m)	g/m	15	30	30	30
Connection pipes		Liquid / Gas	mm (inch)	Φ6.35 / Φ12.7 (1/4" / 1/2")	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 (2*)	m	30	50	50	65
		Max. Drop Height	m	20	25	25	30
Operation temperature		Indoor (Cooling / Heating)	°C	17 ~ 32 / 0 ~ 30			
		Outdoor (Cooling / Heating)	°C	-15 ~ 50 / -15 ~ 24			

Notes:

(1*) Inner diameter

(2*) 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 TYPE CEILING-FLOOR H8



SPECIFICATIONS:

Model			MUSTR-48-H8	MUSTR-48-H8T	MUSTR-60-H8T		
Code			CL20276	CL20277	CL20278		
Cooling	Nominal capacity (min. - max.)	kW	14.07 (4.10 ~ 16.41)	14.07 (4.10 ~ 16.41)	15.82 (4.98 ~ 18.11)		
	Nominal consumption (min. - max.)	W	5,190 (1,370 ~ 6,310)	5,190 (1,370 ~ 6,310)	6,060 (1,660 ~ 6,965)		
	Pdesignnc	kW	14.0	14.0	16.0		
	SEER	W/W	6.1	6.1	6.1		
	Energy labeling		A++	A++	A++		
Heating	Nominal capacity (min. - max.)		kW	16.12 (4.40 ~ 18.46)	16.12 (4.40 ~ 18.46)	18.17 (5.28 ~ 20.51)	
	Nominal consumption (min. - max.)		W	4,730 (1,465 ~ 6,590)	4,730 (1,465 ~ 6,590)	5,645 (1,760 ~ 7,320)	
	Intermediate climate zone	Pdesignnh	kW	11.8	11.8	12.0	
		SCOP	W/W	4.0	4.0	4.0	
		Energy labeling			A+	A+	A+
		Tbiv	°C	-7	-7	-10	
	Warm climate zone	Tol	°C	-15	-15	-15	
		Pdesignnh	kW	11.8	11.6	12.2	
		SCOP	W/W	5.1	5.1	5.1	
		Energy labeling			A+++	A+++	A+++
	Tbiv	°C	2	2	2		
	Indoor unit	Air flow rate (High / Medium / Low)		m³/h	2,329 / 1,930 / 1,417	2,329 / 1,930 / 1,417	2,454 / 1,834 / 1,426
		Sound pressure (High / Medium / Low)		dB(A)	54 / 50 / 46	54 / 50 / 46	54 / 47 / 42
Sound power (High)		dB(A)	67	67	71		
Drain connection		mm	Φ25	Φ25	Φ25		
Fresh air intake (1*)		mm	Φ120	Φ120	Φ120		
Power supply		V-Hz-Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph		
Max. intensity		A	1.7	1.7	1.9		
Max. consumption		W	220	220	240		
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	1,650 x 235 x 675	1,650 x 235 x 675	1,650 x 235 x 675		
Weight		kg	40.5	40.5	40.5		
Outdoor unit	Air flow (High)		m³/h	6,800	6,800	7,200	
	Sound pressure (High)		dB(A)	65	65	62.5	
	Sound power (High)		dB(A)	73	73	75	
	Compressor (Brand / Model)			GMCC / ATQ420D1UMU	GMCC / ATQ420D1UMU	GMCC / ATQ420D1UMU	
	Power supply		V-Hz-Ph	220-240V~ 50Hz, 1Ph	380-415V~ 50Hz, 3Ph	380-415V~ 50Hz, 3Ph	
	Max. intensity		A	26	13	14	
	Max. consumption		W	6,100	6,100	7,500	
	Outdoor power cable		mm²	2 x 6 + T	4 x 2.5 + T	4 x 2.5 + T	
	Dimensions (Width x Height x Depth)		mm	952 x 1333 x 415	952 x 1333 x 415	952 x 1333 x 415	
	Weight		kg	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)	
	Refrigerant	Type		R410A	R410A	R410A	
		Load	kg	4	4	4.3	
		Preload until	m	5	5	5	
		Additional load (from 5 m)	g/m	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")	
		Max. Length (2*)	m	65	65	65	
		Max. Drop Height	m	30	30	30	
	Operation temperature	Indoor (Cooling / Heating)	°C	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		

Notes:

(1*) Inner diameter

(2*) Pipes minimum length of 2 m

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

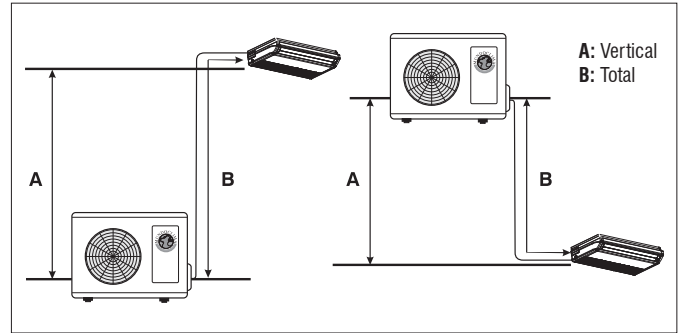
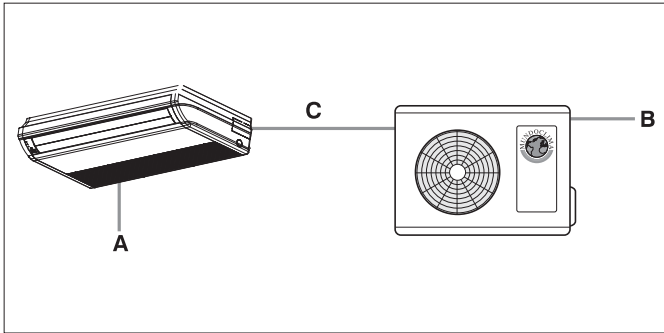
SPLIT TYPE CEILING-FLOOR H8

ELECTRICAL WIRING

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



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

OPTIONALS

Wireless control



RG57A6/BGE
(CL 94 588)



KJR-120G/TF-E
(CL 94 907)



KJR-120C/TF-E
(CL 94 384)



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



KJR-86C-E
(CL 92 870)



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

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)⁽¹⁾



CCM30/BKE
(CL 92 871)



CCM15
(CL 92 872)



K-380EW
(CO 14 907)



MUNDOCLIMA WF-60A1
(CL 97 157)

WIFI



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



JC-02
(CL 94 724)

Accessories

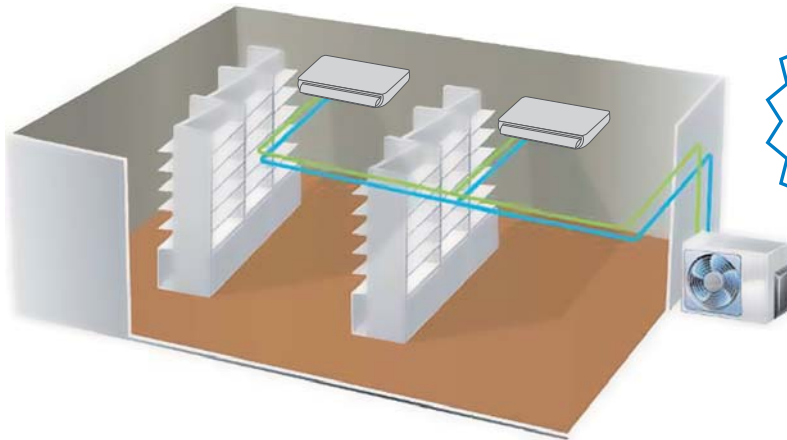
⁽¹⁾ Check availability.

More information of the optionals in
"MUNDOCLIMA CONTROL SYSTEMS"



SPLIT TYPE CEILING-FLOOR H8

Floor/Ceiling Twin System (2x1)



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

Model			MUSTR-18X2-H8	MUSTR-24X2-H8	MUSTR-24X2-H8T	MUSTR-30X2-H8T
Code			CL 20 984	CL 20 985	CL 20 986	CL 20 987
Total capacity	Cooling / Heating	kW	10.55 / 11.13	14.07 / 16.12	14.07 / 16.12	15.20 / 18.17
Pcs. Indoor uts.	Model		MUSTR-18-H8	MUSTR-24-H8	MUSTR-24-H8	MUSTR-30-H8
	Code		UI20271	UI20272	UI20272	UI20273
	Amount		2	2	2	2
	Individual capacity (Cooling / Heating)	kW	5.28 / 5.67	7.03 / 7.62	7.03 / 7.62	8.79 / 9.38
	Power supply		220-240V~ 50Hz, 1Ph			
Unit Exterior	Model		MUSTR-36-H8	MUSTR-48-H8	MUSTR-48-H8T	MUSTR-60-H8T
	Code		UE20274	UE20276	UE20277	UE20278
	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 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

WARNING: 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 duct indoor units with identical capacity duct.
- 1 branch pipe FQZHN-01D.

