



MUNDOCLIMA®

1x1 WALL SPLIT MUPR-H16 Series

- Matte white color
- Display with 3 digits **88.8**
- Humidity control by AI
- HEPA Filters and Catalyst
- WiFi module inserted in the indoor unit
- Air 3D: Horizontal and Vertical Blades Swing
 - Quiet mode of both indoor and outdoor unit
 - Monitoring of energy consumption through the APP
- Save installation and maintenance time!
 - More space for pipelines
 - Easier access to PCBs
 - Replacement of the indoor unit fan motor without removing the evaporator
 - Ultra-reinforced mounting plate



RG10D7(F2HS)/BGEF
Included
(CL09112)

Download the App



OPTIONALS

More information on optional features in the "CONTROL SYSTEMS" section.

Wired control with WIFI⁽¹⁾



KJR-120N(X4W)/BGEF⁽¹⁾
(CL09211)



KJR-120P(X6W)/EF⁽¹⁾
(CL09214)



CCM180A/WS⁽¹⁾
(CL09300)

Centralized control⁽¹⁾



CCM30/BKE⁽¹⁾
(CL92871)

Accessories



H16 Multifunction Module
(CL09450)



M-CHECK
(CL09410)



MD-AC-MBS⁽¹⁾
(CL99097)



MD-AC-KNX⁽¹⁾
(CL94792)



INBACMID⁽¹⁾
(CL99222)

AIDOO Airzone WIFI⁽¹⁾



AZAI6WSCGM1⁽¹⁾
(CO48080)

⁽¹⁾The multifunction module H16 (CL09450) is required.

MUPR-H16 Series WALL SPLIT

MUNDCLIMA®

PREMIUM MULTIFUNCTION REMOTE CONTROL

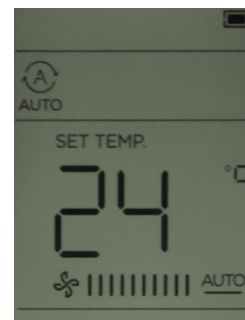


LARGE BACKLIT DISPLAY

The RG10 remote control features 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: "ECO+", "AI Humidity", "Sleep", "Breeze Away", "Follow me", "Clean", "Turbo", "Swing horizontal and vertical", "LED", "FP": Heating at 8 °C, "Daily timer" and "Outdoor Silence".

Note: Indoor unit Quiet mode is equivalent to speeds below 20%.



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 down 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 easily through the indoor unit's display.

RG10D7(F2HS)BGEF
(CL09112)

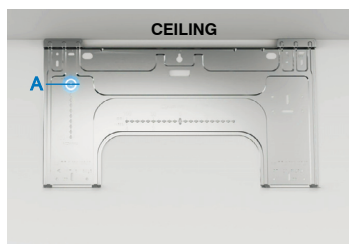


ENGINEERING MODE HANDBOOK

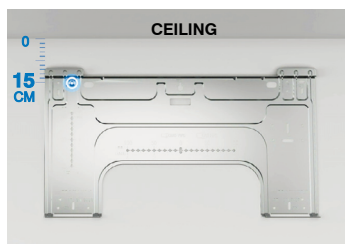
Download the engineering mode manual from this QR code and... discover all the possibilities!

EASY POSITIONING WITHOUT AUXILIARY TOOLS

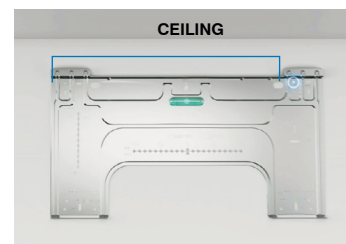
The mounting plate incorporates measuring range and spirit level **Measure and mark the position of the equipment the mounting plate and nothing more.**



STEP 1: Support the plate against the ceiling, mark point A according to the desired height.



STEP 2: Move the plate down until the fixing hole reaches point A



STEP 3: Locate the fixing point on the other side with the help of the spirit level

MUPR-H16 Series WALL SPLIT



TECHNICAL FEATURES

Model			MUPR-09-H16	MUPR-12-H16	MUPR-18-H16	MUPR-24-H16	
Code			CL20066	CL20067	CL20068	CL20069	
EAN Code			8432953144272	8432953144289	8432953144296	8432953144302	
Cooling	Nominal capacity (min. ~ max.)	kW	2,64 (1,10 ~ 3,20)	3,50 (1,10 ~ 3,98)	5,20 (1,80 ~ 5,90)	7,00 (2,00 ~ 7,80)	
	Nominal consumption (min. ~ max.)	kW	0,75 (0,07 ~ 1,26)	1,22 (0,12 ~ 1,35)	1,60 (0,14 ~ 2,10)	2,60 (0,42 ~ 3,90)	
	Pdesignhc (design capacity)	kW	2,6	3,5	5,2	7,0	
	SEER	W/W	7,0	6,5	7,4	6,5	
	Energy Efficiency Class Labeling			A++	A++	A++	A++
	Annual electricity consumption	kWh/year	130	189	246	377	
Heating	Nominal capacity (min. ~ max.)	kW	2,93 (0,76 ~ 3,60)	3,81 (1,08 ~ 4,26)	5,40 (1,30 ~ 6,10)	7,33 (1,60 ~ 7,80)	
	Nominal consumption (min. ~ max.)	kW	0,73 (0,12 ~ 1,16)	1,04 (0,11 ~ 1,25)	1,38 (0,22 ~ 1,70)	2,15 (0,30 ~ 2,50)	
	Average climate zone	Pdesignhc (design capacity)	kW	2,3	2,8	4,1	4,8
		SCOP	W/W	4,1	4,1	4,1	4,1
		Energy Efficiency Class Labeling			A+	A+	A+
		Annual electricity consumption	kWh/year	786	958	1401	1640
	Warm climate zone	Tbiv (bivalent temperature)	°C	-7	-7	-7	-7
		Pdesignhc (design capacity)	kW	2,5	3,0	4,6	5,6
		SCOP	W/W	5,1	5,2	5,1	5,1
		Energy Efficiency Class Labeling			A+++	A+++	A+++
	Cold climate zone	Annual electricity consumption	kWh/year	686	808	1262	1537
		Tbiv (bivalent temperature)	°C	2	2	2	2
		Pdesignhc (design capacity)	kW	3,4	3,5	5,4	7,4
		SCOP	W/W	3,1	3,1	3,1	3,1
	Energy Efficiency Class Labeling			B	B	B	
	Annual electricity consumption	kWh/year	2303	2371	3658	5013	
Tbiv (bivalent temperature)	°C	-10	-10	-10	-10		
Tol (Operation limit temperature)		°C	-20	-20	-20	-20	
Dehumidification	Capacity	L/day	26,4	28,8	48	69,6	
	Model		MUPR-09-H16-I	MUPR-12-H16-I	MUPR-18-H16-I	MUPR-24-H16-I	
Indoor unit	EAN Code		8432953143671	8432953143688	8432953143695	8432953143701	
	Air flow (Turbo / High / Medium / Low / Silence)	m³/h	580 / 510 / 380 / 300 / 140	740 / 590 / 420 / 340 / 190	950 / 800 / 600 / 470 / 340	1400 / 1050 / 750 / 600 / 400	
	Sound pressure (Turbo / High / Medium / Low / Silence) ⁽¹⁾	dB(A)	45.5 / 38.5 / 33.0 / 23.5 / 19.0	46 / 39.0 / 32.0 / 24.0 / 20.0	48.5 / 43.0 / 35.5 / 33.5 / 20.0	51.0 / 45.0 / 39.5 / 36.0 / 20.0	
	Sound power (High) ⁽¹⁾	dB(A)	54	56	58	59	
	Dimensions (W x H x D)	mm	723 x 286 x 199	813 x 289 x 201	975 x 308 x 218	1.055 x 330 x 231	
	Weight	kg	7	7.4	10.3	12.4	
	Model		MUPR-09-H16-E	MUPR-12-H16-E	MUPR-18-H16-E	MUPR-24-H16-E	
EAN Code		8432953143633	8432953143640	8432953143657	8432953143664		
Outdoor unit	Air flow rate (High)	m³/h	1.750	1.750	2.100	3.500	
	Sound pressure (High) ⁽¹⁾	dB(A)	54.5 / 51.5	56 / 53	58 / 55	59 / 56	
	Sound power (High) ⁽¹⁾	dB(A)	62	63	65	68	
	Dimensions (W x H x D) ⁽²⁾	mm	720 x 495 x 270	720 x 495 x 270	805 x 554 x 330	890 x 673 x 342	
	Weight	kg	20.4	20.4	29.8	38.3	
	Type / GWP		R32 / 675				
Refrigerant	Charge	kg	0.46	0.49	0.8	0.95	
	CO ₂ equivalence	TCO ₂ eq	0.311	0.331	0.540	0.641	
	Precharge until	m	5	5	5	5	
	Additional charge (from 5 m)	g/m	12	12	12	12	
Refrigerant pipes	Liquid	inch	1/4"	1/4"	1/4"	1/4"	
	Gas	inch	3/8"	3/8"	1/2"	1/2"	
	Max. length	m	25	25	30	50	
	Max. height difference	m	10	10	20	25	
Electrical data ⁽³⁾	Power supply	V / Hz / Ph	220-240 ~ / 50, 1N				
	Maximum consumption	kW	2.20	2.20	2.80	3.90	
	Max. current	A	10	10	13	19	
	Power cable (outdoor unit)	mm²	2 x 1.5 + T	2 x 1.5 + T	2 x 1.5 + T	2 x 2.5 + T	
	Interconnection cable	mm²	4 x 1.5 + T	4 x 1.5 + T	4 x 1.5 + T	4 x 2.5 + T	
Operating 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	

Note: ⁽¹⁾ The values of sound level match with the values obtained in a semi-anechoic chamber.

⁽²⁾ The dimensions are for the unit body, not including protruding elements (valve covers, grids, handles, etc.), for detailed dimensions please refer to the installation manual.

⁽³⁾ The electrical wiring sections indicated are recommended, but may be higher depending on each installation, these must be adapted to the electrical regulations in force.

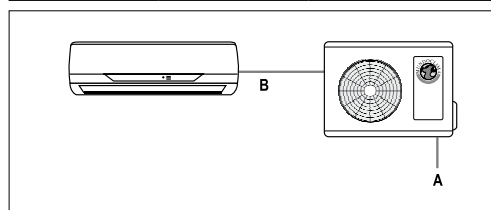
Warning: - Data and specifications can be changed without previous notice.

Refer to the manual:



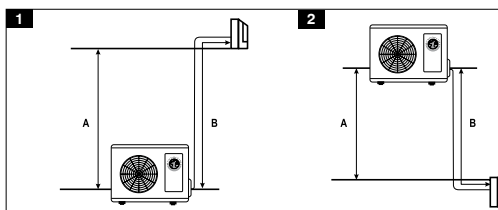
ELECTRICAL INSTALLATION

Model	Electrical wiring (A)	Interconnection wiring (B)
MUPR-09-H16	2 x 1.5 + T	4 x 1.5 + T
MUPR-12-H16	2 x 1.5 + T	4 x 1.5 + T
MUPR-18-H16	2 x 1.5 + T	4 x 1.5 + T
MUPR-24-H16	2 x 2.5 + T	4 x 2.5 + T



REFRIGERATING INSTALLATION (R-32)





















Model	Piping		Max. Length (B)	Max. height difference (A)	Precharge until (m)	Additional charge (g/m)
	Liquid	Gas				
MUPR-09-H16	1/4"	3/8"	25	10	5	12
MUPR-12-H16	1/4"	3/8"	25	10	5	12
MUPR-18-H16	1/4"	1/2"	30	20	5	12
MUPR-24-H16	1/4"	1/2"	50	25	5	12



*In the 2nd case (higher outdoor unit), for height differences higher than 5 ~ 7 m it is recommended to install an oil trap in the gas pipe every 5 ~ 7 m.

Features Description

IMPORTANT: This Features Description is generic, you will find the icons that apply to this data sheet in the header of the first page of the data sheet.

		<i>Comfort</i>
	WEEKLY TIMER Sets the weekly operation of the unit.	
	FOLLOW ME FUNCTION (IFEEL) The remote control features an ambient temperature sensor.	
	AUTOMATIC RESTART Recovery of the adjustments before the electrical cut.	
	EMERGENCY OPERATION Possibility of manually operating the unit with the button in case of any alarms sounding.	
	COLD AIR PRECAUTION When heating, the initial fan speed is adjusted according to the battery temperature.	
	TURBO OPERATION Maximum cooling/heating time reduction.	
	LOW SOUND LEVEL Thanks to the Silence mode and its new design, the sound level is reduced to a minimum.	
	TEMPERATURE COMPENSATION The remote control allows you to set the compensation temperature for heating and cooling modes.	
	FRESH AIR (ION) This equipment incorporates an ionizer to generate OH(-) and thus purify the air by deactivating bacteria, viruses and other pathogens, providing a very pleasant feeling of freshness.	
	BREEZE AWAY Function that allows diverting the air flow to another location to prevent the equipment from blowing directly on people.	
	MORE SILENT OUTDOOR UNIT Design optimized of the air exit grill with decrease of the noise up to 3.3 dB (A) in comparison with previous models.	
	WIDE OPERATING TEMPERATURE RANGE Cooling operation until 50 °C and in heating until -15 °C.	
	NIGHT MODE Makes the unit operate according to the preset nighttime temperature curve, which creates an ideal nighttime environment and improves sleep quality.	
		DAILY TIMER The timer can be set to start and stop at any point in a 24-hour period.
		360° DESIGN Thanks to the 360° panel design, the air is more evenly distributed.
		HORIZONTAL AND VERTICAL FLAP ROTATION Better air distribution thanks to the flap's horizontal and vertical automatic swing.
		GEAR It allows the equipment capacity to be set to 50%, 75% or 100% (default). (In the MUPR-H16 series only through the APP).
		COLD CATALYST FILTER Incorporates a catalytic filter capable of adsorbing and decomposing formaldehyde and other volatile organic compounds by catalysis at room temperature, without the need for ultraviolet (UV) light.
		HEPA FILTER It incorporates a HEPA air filter that improves indoor air quality by capturing fine particles, dust and allergens for a cleaner, healthier environment.
		SPRINT START Like a sprint runner, this function allows the compressor to reach 65 Hz in just 6 s.
		HUMIDITY CONTROL In dehumidification mode, the relative humidity control can be set between 35% and 85%.
		VENTILATION FUNCTION It allows operation only with ventilation.
		THERMOSTAT It allows operation only with ventilation.
		DEHUMIDIFICATION Humidity reduction helps restoring an optimum temperature in wet areas.
		DIFFERENT SPEEDS OF THE INDOOR FAN Up to 12 levels of fan speed automatically adjusted if the automatic ventilation is activated.
		SILENCE This function allows you to select the ultra-quiet speed, so that the sound level of the equipment is very low.
		
		
		
		
		CENTRALISED CONTROL Possibility of controlling several units with the same control.
		
		
		ENERGY LABELLING FOR HEATING A+++
		
		ENERGY LABELLING FOR HEATING A++
		
		ENERGY LABELLING FOR HEATING A+
		
		ENERGY LABELLING FOR HEATING A
		
		
		
		R32 Equipment using the most eco-friendly refrigerant R32 with a GWP of 675. In order to install equipment with R32 refrigerant gas, you must check the applicable legislation.
		

Comfort

Connectivity

Energy efficiency

Refrigerant












Features Description

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Easy installation and maintenance

- 
REMOVABLE FILTERS
 New filter fastening system with tabs to ensure correct fastening without vibrations.
- 
OUTSIDE AIR INLET
 Possibility of supplying outside air directly on the indoor unit.
- 
DRAINAGE PUMP
 Features a drainage pump to facilitate the drainage of the indoor unit.
- 
FILTER CLEANING REMINDER
 The equipment tells you when to clean and/or replace the air filter of the indoor unit.
- 
PIPE COMPATIBILITY
 Possibility of increasing one size over the standard diameter in gas, liquid or both pipes.
- 
DIGITAL LED DISPLAY
 Digital display showing the set temperature during normal operation or the room temperature in ventilation mode.
- 
FEWER SCREWS
 Not only the indoor unit, but also the outdoor unit uses less screws, so the disassembly is going to be easier.
- 
REFRIGERANT LEAK DETECTION
 The unit automatically detects possible refrigerant leaks in the circuit.
- 
SELF-CLEANING
 This function performs a self cleaning on the indoor unit. When the "SELF-CLEANING" function is activated (SelfClean or iClean buttons), the unit initially operates in cooling mode with the fan at low speed. During this period, the condensation water drags the dust from the coil. The unit then switches to heating mode with the fan at low speed, to dry the battery and the inside of the unit. Finally the unit switches to ventilation mode to finish drying completely.
- 
ULTRA-REINFORCED MOUNTING PLATE
 Reinforced mounting plate with measuring range and spirit level included.
- 
POWER SUPPLY ONLY TO OUTDOOR UNIT
 The indoor unit is powered by the same interconnection cable with the outdoor unit.
- 
SINGLE-FAN OUTDOOR UNITS
 Optimize outdoor space thanks to outdoor units with lower height.
- 
HIGH STATIC PRESSURE
 Wide static pressure range.
- 
SET TEMPERATURES RANGE ADJUSTMENT
 The remote control is able to adjust: Cooling minimum from 16°C to 24°C; Heating maximum from 30°C to 25°C.
- 
FEET IN U FORM
 Thanks to the new rear legs on the outdoor unit, installation is more convenient.
- 
LOW-VOLTAGE START
 The equipment can start up and operate normally up to a supply voltage lower than the nominal voltage.
- 
PROBLEM SOLVING
 Error codes are displayed on the indoor panel, the wall control or on the outdoor PCB.
- 
REMOTE SIGNALS (CP)
 The indoor unit has an ON/OFF input.
- 
CONFIGURABLE STATIC PRESSURE
 From the PCB (or any model with the wireless or wired remote control) the static pressure of the fan can be adjusted, so that the machine can be adapted to each installation.
- 
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.
- 
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.
- 
REVERSE ROTATION
 When the equipment is stopped, the outdoor unit fan rotates backwards to remove leaves or other external elements from the battery.
- 
ROTATION & BACK UP
 This function allows redundant operation in installations with 2 units connected to the same wired control. KJR-120N, in case one machine does not reach the setpoint temperature, the two machines will automatically operate together at 24 °C in the selected mode. At the same time, a rotation in the operation of the 2 machines is carried out so that both machines operate for the same amount of time.
- 
AUTO ROUTING
 The outdoor unit can assign an address to the indoor units automatically.
- 
ENGINEERING MODE
 Setting of functions and querying of operating parameters by means of the control.
- 
EXTRA FLAT DUCT
 Indoor unit height between 200 and 300 mm.
- 
DELIVERY OUTLET TO ADJACENT ROOM
 The unit has pre-drilled outlets for connecting a small duct to air-condition an adjacent room.
- 
AIR DISCHARGE TUBE TO THE OUTSIDE
 Easy and quick to install, it allows the use of the air conditioner immediately.
- 
CONDENSATE REMOVAL
 Removes condensate water so it is not necessary to connect the air conditioner to a drain. In dehumidification mode and in very humid environments, it is recommended to connect the equipment to a drain.
- 
COMPACT PANEL SIZE
 The trim panel of the cassette type unit measures 600 x 600 mm.
- 
GOLDEN FIN
 Heat exchanger with special treatment, which protects the equipment against atmospheric phenomena and the effects of aggressive environments. It also prevents the proliferation of bacteria and mold.
- 
BLUE FIN
 Heat exchanger with treatment that protects the equipment against corrosion and the growth of bacteria and mold.
- 
AUTOMATIC REFRIGERANT REFILL
 Allows refrigerant gas to be charged to the system automatically without having to perform the additional charge calculation.
- 
HORIZONTAL / VERTICAL
 The equipment can be installed both horizontally and vertically.
- 
FUNCTION GOAL
 Advanced air conditioning technology that optimizes temperature, refrigerant and air flow to save energy and maximize the comfort.
- 
NITROGEN
 The indoor unit is factory pressurized with nitrogen to ensure that there is no leakage prior to installation.

Technology

- 
SUPER DC
 Equipment that has both DC Inverter compressor and DC fan motors.
- 
COOLING IN LOW TEMPERATURES
 Cooling operation up to -15°C outdoor.
- 
HEATING AT LOW TEMPERATURES
 Heating operation down to -25°C outside.
- 
CONSTANT AIR FLOW CONTROL
 The indoor fan adjusts to the required static pressure to ensure a constant air supply at all times.
- 
DC
 Unit with DC fan motor, low noise and low-energy consumption.
- 
EVI COMPRESSOR
 High efficiency asymmetric scroll compressor with steam injection technology.
- 
INPUT 0 - 10 V
 Unit with DC fan motor with 0-10 V regulation.
- 
SALIDA 0-10V
 Equipment with 0-10 V output for the control of an auxiliary valve.
- 
7-SPEED FAN
 Unit with DC fan motor with 7 speeds.
- 
EXTERNAL FAN WITH DIFFERENT SPEEDS
 Accurate adjustment of fan speed thanks to DC fan.
- 
EXV
 Equipment with electronic expansion valve, adjusts in a more stable way the capacity of the equipment.