

MUCNR-H9 Series CONSOLE SPLIT TYPE

NEW!

MUNDOCLIMA®
SUPER DC INVERTER

R32



RG57A2 / B6GE
Included
(CL 94 774)



Double flow

Selectable air outlet from the top and bottom or only from the top



Daily timer

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



Pipe compatibility

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



LED digital display

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 SIGNS (CP)

The indoor unit has an ON/OFF input.



Auto 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 temp. 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.



Low temperature cooling

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.



R32

Unit that uses more environmentally friendly refrigerant: R32.



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.

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SPECIFICATIONS:

Model			MUCNR-12-H9	MUCNR-16-H9	
Code			CL 20 536	CL 20 537	
Cooling	Nominal capacity (min. - max.)	kW	3.52 (0.77 - 3.81)	4.83 (2.63 - 4.98)	
	Nominal consumption (min. - max.)	kW	1.17 (0.17 - 1.84)	1.51 (0.65 - 1.71)	
	Pdesignc (design load)	kW	3.5	4.8	
	SEER	W/W	7.7	6.1	
	Energy efficiency class		A++	A++	
	Annual electricity consumption	kWh/year	159	275	
Heating	Nominal capacity (min. - max.)	kW	3.81 (0.46 - 4.34)	4.98 (2.19 - 5.74)	
	Nominal consumption (min. - max.)	kW	1.10 (0.31 - 1.80)	1.406 (0.60 - 2.02)	
	Intermediate climate zone	Pdesignh	kW	3.6	4.0
		SCOP	W/W	4.3	4.0
		Energy efficiency class		A+	A+
		Annual electricity consumption	kWh/year	1172	1400
		Tbiv	°C	-7	-7
		Tol (Operation limited temperature)	°C	-10	-10
	Warm climate zone	Pdesignh	kW	3.5	4.5
		SCOP	W/W	5.1	4.6
		Energy efficiency class		A+++	A++
		Annual electricity consumption	kWh/year	961	1370
		Tbiv	°C	2	2
		Tol (Operation limited temperature)	°C	2	2
Indoor unit	Air flow rate (High / Medium / Low)	m³/h	512 / 480 / 370	560 / 480 / 400	
	Sound pressure (High / Medium / Low)	dB(A)	43 / 41.5 / 35	42.5 / 39 / 35	
	Sound power (High)	dB(A)	55	60	
	Drain connection (OD)	mm	Ø16	Ø16	
	Power supply	V-Hz-Ph	--	--	
	Max. intensity	A	--	--	
	Max. consumption	kW	--	--	
	Inner power cable	mm²	--	--	
	Dimensions	mm	700 x 600 x 210	700 x 600 x 210	
	Weight	kg	14.8	14.8	
	Outdoor Unit	Air flow (High)	m³/h	2,000	2,000
Sound pressure (High)		dB(A)	55.5	55	
Sound power (High)		dB(A)	62	64	
Compressor (Brand / Model)			GMCC / KTN110D42UFZ	GMCC / KSN140D21UFZ	
Power supply		V-Hz-Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	
Max. intensity		A	10	13.5	
Max. consumption		kW	2.35	2.95	
Outdoor power cable		mm²	2 x 2.5 + T	2 x 2.5 + T	
Dimensions (Width x Height x Depth)		mm	800 x 554 x 333	800 x 554 x 333	
Weight		kg	34.7	33.7	
Whole set		Communication cable	mm²	4 x 1.5	4 x 1.5
	Refrigerant	Type / PCA		R32 / 675	R32 / 675
		Load	kg / TCO ₂ eq	0.87 / 0.587	1.15 / 0.776
		Preload until	m	5	5
		Additional load (from 5 m)	g/m	12	12
	Connection pipes	Liquid / Gas	mm (inch)	Ø6.35 / Ø9.52 (1/4" / 3/8")	Ø6.35 / Ø12.7 (1/4" / 1/2")
		Max. Length ⁽¹⁾	m	25	30
		Max. Drop Height	m	10	20
	Operation temperature	Indoor (Cooling / Heating)	°C	17 ~ 32 / 0 ~ 30	17 ~ 32 / 0 ~ 30
		Outdoor (Cooling / Heating)	°C	-15 ~ 50 / -15 ~ 24	-15 ~ 50 / -15 ~ 24

Notes:

⁽¹⁾ Pipes minimum length of 3 m.

* 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.

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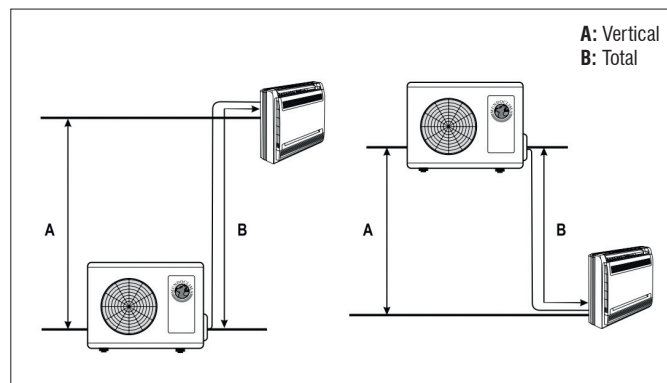
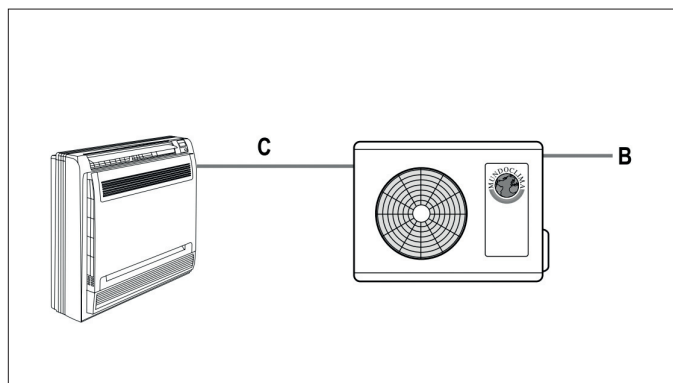


ELECTRICAL WIRING

Model	Power supply			Interconnection
	Unit	Phases	Outdoor B	C
MUCNR-12-H9	OUTDOOR	SINGLE	3x2.5	4 x 1.5
MUCNR-16-H9	OUTDOOR	SINGLE	3x2.5	

COOLING PIPES AND ADDITIONAL LOAD (R-32)

Model	Tube		Max. distance		Additional Load (g/m)	Preload up to (m)
	Gas	Liquid	A	B		
MUCNR-12-H9	3/8"	1/4"	10	25	12	5
MUCNR-16-H9	1/2"	1/4"	20	30	12	5



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

OPTIONALS COMPONENTS

More information on the optional components in "MUNDOCLIMA CONTROL SYSTEMS"

Wireless control



RG57A6/BGE
(CL 94 588)



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



KJR-86C-E
(CL 92 870)



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



JC-02
(CL 94 724)

Wired control⁽¹⁾

Accessories

⁽¹⁾Model 16 only.