

# MULTISPLIT INVERTER H9

## Indoor Unit **MUEX-H9 Series**

### 2x1, 3x1, 4x1 and 5x1



**NEW!**

**R32**



**Different speeds of the external fan**  
Accurate adjustment of fan speed thanks to DC fan.



**Without screws**  
Not only the indoor unit but also the outdoor unit have less screws, so the disassembly is going to be easier.



**Cooling in low temperatures**  
Operation in cooling up to -15 °C outdoor temp.



**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 working temperature range**  
Cooling operation until 50°C and in heating up to -15°C.



**126 Possible combinations**  
Choose the indoor unit that best suits your needs.

## MULTISPLIT INVERTER H9



### OUTDOOR UNIT SPECIFICATIONS

Model			MUEX-14-H9.2	MUEX-18-H9.2	MUEX-21-H9.3	MUEX-27-H9.3		
Code			CL20460	CL20461	CL20462	CL20463		
Cooling	Nominal capacity (min. - max.)		kW	4.10 (1.44 - 4.79)	5.28 (2.05 - 6.86)	6.15 (1.95 - 6.83)	7.91 (2.89 - 8.50)	
	Nominal consumption (min. - max.)		kW	1.27 (0.12 - 1.68)	1.63 (0.69 - 2.00)	1.90 (0.12 - 2.13)	2.45 (0.24 - 3.22)	
	Pdesignc		kW	4.10	5.30	6.10	7.90	
	SEER		W/W	6.80	6.10	6.50	6.10	
	Energy labeling			A++	A++	A++	A++	
	Seasonal energy efficiency for space cooling		ηs,c (%)	—	—	—	—	
	Annual electricity consumption		kWh/year	211	304	328	453	
Heating	Nominal capacity (min. - max.)		kW	4.40 (1.45 - 6.86)	5.57 (2.34 - 7.24)	6.59 (1.45 - 6.82)	8.21 (1.99 - 8.55)	
	Nominal consumption (min. - max.)		kW	1.77 (0.25 - 1.983)	1.50 (0.60 - 1.67)	1.77 (0.25 - 1.98)	2.20 (0.32 - 2.84)	
	Intermediate climate zone	Pdesignh		kW	3.70	4.30	5.40	5.70
		SCOP		W/W	4.00	4.00	4.00	4.00
		Energy labeling			A+	A+	A+	A+
		Seasonal energy efficiency for space heating		ηs,h(%)	—	—	—	—
		Annual electricity consumption		kWh/year	1295	1537	1890	1993
		Tbiv		°C	-7	-7	-7	-7
	Warm climate zone	Pdesignh		kW	3.7	5.1	5.5	6.0
		SCOP		W/W	5.1	5.1	5.2	5.1
		Energy labeling			A+++	A+++	A+++	A+++
		Annual electricity consumption		kWh/year	1016	1400	1491	1647
		Tbiv		°C	2	2	2	2
	Tol			°C	-15	-15	-15	-15
Power supply		V-Hz-Ph	230 / 50 / 1Ph	230 / 50 / 1Ph	230 / 50 / 1Ph	230 / 50 / 1Ph		
Max. consumption		kW	2.65	2.85	3.3	3.6		
Max. current		A	11.5	13	15.5	17.5		
Outdoor unit	Air flow rate (max.)		m <sup>3</sup> /h	2,200	2,200	3,000	2,700	
	Sound pressure (High)		dB(A)	57	56	57.5	54	
	Sound power (High)		dB(A)	64	65	66	67	
	Dimensions (W x H x D)		mm	800 x 554 x 333	800 x 554 x 333	845 x 702 x 363	845 x 702 x 363	
	Weight		kg	31.6	35.5	46.8	51.1	
Refrigerant	Type / PCA			R32 / 675	R32 / 675	R32 / 675	R32 / 675	
	Load		kg / TCO <sub>2</sub> eq	1.1 / 0.743	1.25 / 0.844	1.4 / 0.945	1.72 / 1.161	
	Preload until	Total Liquid Line 1/4"		m	15	15	22.5	22.5
		Total Liquid Line 3/8"		m	—	—	—	—
	Additional charge	Liquid Line 1/4"		g/m	12	12	12	12
		Liquid Line 3/8"		g/m	—	—	—	—
Connection pipes	Liquid		mm(inch)	(1/4") x 2	(1/4") x 2	(1/4") x 3	(1/4") x 3	
	Gas		mm(inch)	(3/8") x 2	(3/8") x 2	(3/8") x 3	(3/8") x 3	
	Max. Length		m	40	40	60	60	
	Lengths per unit Interior		m	25	25	30	30	
	Max. Drop Height	Between ind. and outdoor unit		m	15	15	15	15
		Difference bt. ind. and outdoor unit		m	10	10	10	10
Electrical wiring	Power supply (outdoor unit only)		mm <sup>2</sup>	2 x 2.5 + T	2 x 2.5 + T	2 x 2.5 + T	2 x 2.5 + T	
	Interconnection per unit Interior		mm <sup>2</sup>	3 x 1.5 + T	3 x 1.5 + T	3 x 1.5 + T	3 x 1.5 + T	
Operation temp.	Indoor (Cooling / Heating)		°C	17 ~ 32 / 0 ~ 30	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	-15 ~ 50 / -15 ~ 24	

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 2. The values of noise level match with values obtained in the semi-anechoic chamber.  
 3. The capacity, consumption and SEER / SCOP values indicated are for MUPR-09-H9M indoor units (just as much outputs has the outdoor unit).

## MULTISPLIT INVERTER H9

### OUTDOOR UNIT SPECIFICATIONS



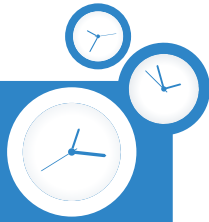
Model			MUEX-28-H9.4	MUEX-36-H9.4	MUEX-42-H9.5		
Code			CL20464	CL20465	CL20466		
Cooling	Nominal capacity (min. - max.)		kW	8.21 (2.05 – 9.85)	10.55 (2.05 – 10.55)	12.31 (2.05 – 14.14)	
	Nominal consumption (min. - max.)		kW	2.50 (0.88 – 3.13)	3.51 (0.73 – 4.93)	4.10 (1.53 – 4.59)	
	Pdesignc		kW	8.20	10.50	12.30	
	SEER		W/W	7.00	6.50	6.60	
	Energy labeling			A++	A++	A++	
	Seasonal energy efficiency for space cooling		ηs,c(%)	—	—	229	
	Annual electricity consumption		kWh/year	410	565	652	
Heating	Nominal capacity (min. - max.)		kW	8.90 (3.26 – 10.65)	10.55 (2.34 – 11.14)	12.31 (2.34 – 14.77)	
	Nominal consumption (min. - max.)		kW	2.40 (0.84 – 3.00)	2.80 (0.78 – 3.97)	3.30 (1.12 – 4.15)	
	Intermediate climate zone	Pdesignh		kW	6.50	9.20	9.50
		SCOP		W/W	4.00	4.00	3.80
		Energy labeling			A+	A+	A
		Seasonal energy efficiency for space heating		ηs,h(%)	—	—	137
		Annual electricity consumption		kWh/year	2275	3226	3500
		Tbiv		°C	-7	-7	-7
	Warm climate zone	Pdesignh		kW	6.8	10.4	9.5
		SCOP		W/W	5.1	5	5.1
		Energy labeling			A+++	A++	A+++
		Annual electricity consumption		kWh/year	1867	2918	2608
		Tbiv		°C	2	2	2
	Tol			°C	-15	-15	-15
	Power supply			V-Hz-Ph	230 / 50 / 1Ph	230 / 50 / 1Ph	230 / 50 / 1Ph
Max. consumption			kW	4.15	4.6	4.7	
Max. current			A	19	21.5	22	
Outdoor unit	Air flow rate (max.)		m³/h	3,800	4,000	3,850	
	Sound pressure (High)		dB(A)	61	62	64	
	Sound power (High)		dB(A)	69	68	69	
	Dimensions (W x H x D)		mm	946 x 810 x 410	946 x 810 x 410	946 x 810 x 410	
	Weight		kg	62.1	68.8	73.3	
Refrigerant	Type / PCA			R32 / 675	R32 / 675	R32 / 675	
	Load		kg / TCO <sub>2</sub> eq.	2.1 / 1.418	2.1 / 1.418	2.4 / 1.620	
	Preload until	Total Liquid Line 1/4"		m	30	30	37.5
		Total Liquid Line 3/8"		m	7.5	7.5	7.5
	Additional charge	Liquid Line 1/4"		g/m	12	12	12
		Liquid Line 3/8"		g/m	24	24	24
Connection pipes	Liquid		mm(inch)	(1/4") x 3 + (1/4") x 1	(1/4") x 3 + (1/4") x 1	(1/4") x 4 + (1/4") x 1	
	Gas		mm(inch)	(3/8") x 3 + (1/2") x 1	(3/8") x 3 + (1/2") x 1	(3/8") x 4 + (1/2") x 1	
	Max. Length		m	80	80	80	
	Lengths per unit Interior		m	35	35	35	
	Max. Drop Height	Between ind. and outdoor unit		m	15	15	15
		Difference bt. ind. and outdoor unit		m	10	10	10
Electrical wiring	Power supply (outdoor unit only)		mm²	2 x 4 + T	2 x 4 + T	2 x 4 + T	
	Interconnection per unit Interior		mm²	3 x 1.5 + T	3 x 1.5 + T	3 x 1.5 + T	
Operation temp.	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	

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 2. The values of noise level match with values obtained in the semi-anechoic chamber.  
 3. The capacity, consumption and SEER / SCOP values indicated are for MUPR-09-H9M indoor units (just as much outputs has the outdoor unit).

## MULTISPLIT INVERTER H9 Wall Type MUPR-H9M Series



Save time for installation



### EASILY DISMANTELED

Easy access to PCB, detachable fan, movable housing.  
**Save 30 % of servicing time.**



### MORE SPACE FOR INSTALLATION

New bracket, fastener feet, simpler electrical connection.  
**Save 20% of installation time.**



### MORE ACCESSIBLE FILTERS

Without the need to open the panel, it avoids the dirt to fall down.  
**Save 5% of cleaning time.**



### WIDE RANGE OF CONNECTIVITY

Possibility of connecting different control devices, among them also a Wifi module.  
**Check your new Mundoclimate air conditioner from anywhere you are.**



### Feeling function

The wireless remote control incorporates a temperature sensor.



### Cold air protection

In heating, the initial fan speed is adjusted in accordance with the coil temperature.



### Automatic restart

Recovery of the adjustments before the electrical cut.



### Turbo operation

Maximum cooling/heating time reduction.



### Emergency operation

Possibility of unit operation with the manual button in case of activation of some alarms.



### Temperature compensation

The new remote control allows adjusting compensation temperature for the heating mode.

### OPTIONALS

Description	Code
WIFI MODULE	CL94382
Wired wall control (KJR-12B)	CL94848
Multi-function module adds: - ON / OFF remote signal - Alarm remote signal - Connection of wired control with week programmer (KJR-120C) - Connection of centralized controller (CCM)	CL94383
Wired control week programmer (KJR-120C)*	CL97291
Centralized controller*	CCM30/BKE-B
	CL92871

\*For connection it is necessary the Multi-function Module (CL 94 383).

Model	MUPR-09-H9M	MUPR-12-H9M	MUPR-18-H9M	MUPR-24-H9M	
Code	CL20470	CL20471	CL20472	CL20473	
Cooling	Nominal capacity (min. ~ max.)	kW 2.63 (1.20 ~ 3.42)	3.51 (1.40 ~ 4.45)	5.27 (1.90 ~ 6.21)	7.32 (3.04 ~ 8.44)
	Nominal rating	W 18	21	24	62
Heating	Nominal capacity (min. ~ max.)	kW 2.93 (0.82 ~ 3.86)	4.10 (0.88 ~ 5.13)	5.57 (1.28 ~ 6.97)	7.62 (2.08 ~ 9.43)
	Nominal rating	W 18	21	24	62
Air flow rate (High / Medium / Low)	m <sup>3</sup> /h 486 / 433 / 329	550 / 490 / 360	810 / 720 / 550	1050 / 970 / 650	
Sound pressure (High / Medium / Low)	dB(A) 41 / 35 / 29	41 / 37 / 30	45 / 41 / 33	44 / 44 / 35	
Sound power (High)	dB(A) 52	54	57	59	
Remote control	RG57	RG57	RG57	RG57	
Connection pipes	Liquid	mm (inches) Ø6,35 (1/4")	Ø6,35 (1/4")	Ø6,35 (1/4")	Ø9,52 (3/8")
	Gas	mm (inches) Ø9,52 (3/8")	Ø9,52 (3/8")	Ø12,7 (1/2")	Ø15,9 (5/8")
Dimensions (W x H x D)	mm 717 x 302 x 193	805 x 302 x 193	964 x 325 x 222	1106 x 342 x 232	
Weight	kg 7.8	8.2	10.8	14.3	

Warning: 1. Data and specifications are subject to changes without previous notice.  
2. The values of noise level match with values obtained in the semi-anechoic chamber.  
3. The capacity values will vary depending on the selected outdoor unit.

## MULTISPLIT INVERTER H9 Cassette Type MUCSR-H9M Series



- Design 360°
- Compact size (60x60).
- Condensate removal pump.
- Fresh air intake function.
- Low noise and low-energy consumption DC fan motor.
- Remote ON/OFF signal and alarm.
- Parameters setting using remote control RG57.
- Wireless remote control RG57 included.
- Wall control with week schedule and "Follow Me" (optional).
- Centralized controller CCM (optional).



RG57



KJR-120C (Optional)  
(code CL 97 291)



### Automatic restart

Recovery of the adjustments before the electrical cut.



### Temperature compensation

The new remote control allows adjusting compensation temperature for the heating mode.



### Sleep mode

This function automatically increases or drops indoor temperature by 1 °C per hour during the first 2 h, and then keeps constant temp. for the next 5 h before turning off. This function is energy-saving and provides night comfort.



### Timer function

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



### PROBLEM SOLVING

Error codes are showed in the indoor panel, wall control and outdoor PCB.



### Design 360°

Thanks to the 360° panel design, the air is more evenly distributed.



### REMOTE SIGNS (CP)

The indoor unit has an ON/OFF input and an alarm output.



### Cold air protection

In heating, the initial fan speed is adjusted in accordance with the coil temperature.



### Turbo operation

Maximum cooling/heating time reduction.



### Centralized controller CCM

Possibility to control several units from only one control. It can directly control up to 64 units of different systems (Air conditioners Inverter H6, H7, MVD and fan coil units W7 series) (optional).

Model			MUCSR-12-H9M	MUCSR-18-H9M
Code			CL20474	CL20475
Cooling	Rated capacity (min. ~ max.)	kW	3.52 (0.62 ~ 4.40)	4.92 (0.79 ~ 6.15)
	Nominal rating	W	40	102
Heating	Rated capacity (min. ~ max.)	kW	4.10 (0.62 ~ 5.13)	5.42 (0.88 ~ 7.03)
	Nominal rating	W	40	102
Air flow rate (High /Medium /Low)		m³/h	617 / 504 / 416	680 / 560 / 500
Sound pressure (High / Medium / Low)		dB(A)	41 / 37 / 34	44 / 42 / 41
Sound power (High)		dB(A)	58	56
Drain connection		mm	Ø25	Ø25
Drain pump height		mm	750	750
Fresh air intake		mm	Ø65	Ø65
Remote control			RG57	RG57
Connection pipes	Liquid	mm (inch)	Ø6,35 (1/4")	Ø6,35 (1/4")
	Gas	mm (inch)	Ø9,52 (3/8")	Ø12,7 (1/2")
Dimensions	Unit body (Width x Height x Depth)	mm	570 x 260 x 570	570 x 260 x 570
	Panel (Width x Height x Depth)	mm	647 x 50 x 647	647 x 50 x 647
Weight	Unit	kg	16,2	16,2
	Panel	kg	2,5	2,5

Warning: 1. Data and specifications are subject to changes without previous notice. 2. The values of noise level match with values obtained in the semi-anechoic chamber.

## MULTISPLIT INVERTER H9 Duct Type MUCR-H9M Series



- Low silhouette duct.
- Configurable rear (by default) or bottom air intake.
- Drain pump with easy access.
- Fresh air intake function.
- Low noise and low-energy consumption DC fan motor.
- Remote ON/OFF signal and alarm.
- Adjustment of static pressure and other parameters using the wireless remote control RG57 (optional)
- Wall control with week schedule and "Follow Me" function.
- Wireless remote control RG57 (optional).
- Centralized controller CCM (optional).



AU-KJR-120G/TF-E  
(code CL 97 263)



RG57 (Optional)  
(code: CL 94 774)



### Automatic restart

Recovery of the adjustments before the electrical cut.



### Temperature compensation

The new remote control allows adjusting compensation temperature for the heating mode.



### Sleep mode

This function automatically increases or drops indoor temperature by 1 °C per hour during the first 2 h, and then keeps constant temp. for the next 5 h before turning off. This function is energy-saving and provides night comfort.



### Configurable static pressure

The static pressure of the fan can be adjusted using the wireless control RG57 this way, the machine can be adapted to each installation.



### Timer function

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



### PROBLEM SOLVING

Error codes are showed in the indoor panel, wall control and outdoor PCB.



### 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.



### REMOTE SIGNS (CP)

The indoor unit has an ON/OFF input and an alarm output.



### Cold air protection

In heating, the initial fan speed is adjusted in accordance with the coil temperature.



### Turbo operation

Maximum cooling/heating time reduction.



### Follow Me Function

The wall-mounted wire control adds a temperature sensor.



### Centralized controller CCM

Possibility to control several units from only one control. It can directly control up to 64 units of different systems (Air conditioners Inverter H6, H7, MVD and fan coil units W7 series) (optional).

Model			MUCR-12-H9M	MUCR-18-H9M
Code			CL20476	CL20477
Cooling	Rated capacity (min. ~ max.)	kW	3.52 (0.62 ~ 4.40)	5.00 (2.00 ~ 5.50)
	Nominal rating	W	185	200
Heating	Rated capacity (min. ~ max.)	kW	3.81 (0.62 ~ 4.98)	5.40 (2.00 ~ 6.00)
	Nominal rating	W	185	200
Static pressure	Rated	Pa	25	25
	Configurable <sup>(1)</sup>	Pa	(0 ~ 60)	(0 ~ 100)
Air flow rate (High / Medium / Low)		m <sup>3</sup> /h	600 / 480 / 300	880 / 650 / 350
Sound pressure (High / Medium / Low)		dB(A)	40 / 34.5 / 27.5	41.5 / 38 / 33
Sound power (High)		dB(A)	59	59
Drain connection		mm	Ø25	Ø25
Drain pump height		mm	750	750
Fresh air intake		mm	Ø90	Ø90
Wired remote control			AU-KJR-120G	AU-KJR-120G
Connection pipes	Liquid	mm (inch)	Ø6.35 (1/4")	Ø6.35 (1/4")
	Gas	mm (inch)	Ø9.52 (3/8")	Ø12.7 (1/2")
Dimensions (W x H x D)		mm	700 x 200 x 450	AU-KJR-120G
Weight		kg	18	24.3

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## MULTISPLIT INVERTER H9



### Selection Multisplit Inverter H9


#### STEP 1

Select the power that best suited to each of the rooms to be air-conditioned. The following table shows the different powers so you can select the most suitable model for your needs.

Model	9	12	18	24
Capacity	2.6 kW	3.5 kW	5.2 kW	7.0 kW
<b>WALL SPLIT</b> 	MUPR-09-H9M CL 20 470	MUPR-12-H9M CL 20 471	MUPR-18-H9M CL 20 472	MUPR-24-H9M CL 20 473
<b>CASSETTE</b> 	—	MUCSR-12-H9M CL 20 474	MUCSR-18-H9M CL 20 475	—
<b>DUCT</b> 	—	MUCR-12-H9M CL 20 476	MUCR-18-H9M CL 20 477	—

#### STEP 2

Select the outdoor unit that best suits to the chosen combination of indoor units.

	2x1		3x1		4x1		5x1
	MUEX-14-H9.2	MUEX-18-H9.2	MUEX-21-H9.3	MUEX-27-H9.3	MUEX-28-H9.4	MUEX-36-H9.4	MUEX-42-H9.5
	CL 20 460	CL 20 461	CL 20 462	CL 20 463	CL 20 464	CL 20 465	CL 20 466
<b>1 ROOM</b>	9 12 18	9 12 18	9 12 18	9 12 18	9 12 18 24	9 12 18 24	9 12 18 24
<b>2 ROOMS</b>	9+9 9+12	9+9 9+12 9+18 12+12	9+9 9+12 9+18 12+12	9+9 9+12 9+18 12+12 12+18	9+9 9+12 9+18 9+24 12+12 12+18 12+24 18+18	9+9 9+12 9+18 9+24 12+12 12+18 12+24 18+18	9+9 9+12 9+18 9+24 12+12 12+18 12+24 18+18 18+24
<b>3 ROOMS</b>	—	—	9+9+9 9+9+12	9+9+9 9+9+12 9+9+18 9+12+12 9+12+18 12+12+12	9+9+9 9+9+12 9+9+18 9+12+12 9+12+18 12+12+12	9+9+9 9+9+12 9+9+18 9+12+12 9+12+18 9+18+18 12+12+12 12+12+18 12+12+24 12+18+18	9+9+9 9+9+12 9+9+18 9+9+24 9+12+12 9+12+18 9+12+24 9+18+18 12+12+12 12+12+18 12+12+24 12+18+18 18+18+18
<b>4 ROOMS</b>	—	—	—	—	9+9+9+9 9+9+9+12	9+9+9+9 9+9+9+12 9+9+9+18 9+9+12+12 9+9+12+18 9+12+12+12 9+12+12+18 9+12+12+18 12+12+12+12	9+9+9+9 9+9+9+12 9+9+9+18 9+9+12+12 9+9+12+18 9+12+12+12 9+12+12+18 9+12+12+18 9+12+12+24 9+12+18+18 12+12+12+12 12+12+12+18
<b>5 ROOMS</b>	—	—	—	—	—	—	9+9+9+9+9 9+9+9+9+12 9+9+9+9+18 9+9+9+12+12 9+9+9+12+18 9+9+9+12+18 9+12+12+12+12 9+12+12+12+18 9+12+12+12+18 9+12+12+12+24 9+12+18+18 12+12+12+12+12 12+12+12+12+18