# 1x1 INVERTER WALL SPLIT **MUPR-H9A Series**







YKR-H/102E Included (CL 93 165)





#### Follow Me Function (iFeel)

The remote control incorporates an ambient temperature sensor.



#### 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.



#### Quieter outdoor unit

Optimized design of air outlet grille.



Wide working temperature range Cooling operation until 43°C and in heating up to -10°C.



### 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.



#### **Daily timer**

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



Possibility that the unit is controlled via WIFI, through its own module and mobile APP.



Energy labelling for cooling A++



#### Energy labelling for heating A+



#### STANDBY FUNCTION (ONLY 1W IN STANDBY)

The outdoor unit is automatically disconnected from the supply when the unit is in standby, in that way the consumption in standby modus is only 1W.



Unit that uses more environmentally friendly refrigerant:



#### Reminder cleaning filter

The equipment tells us when to clean and / or replace the air filter of the indoor unit.



#### Pipe compatibility

**BMS** 

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



#### Digital display LED

Equipment with a digital display showing the setpoint temperature during normal operation or the ambient temperature in ventilation mode.



### Self-cleaning (ICLEAN)

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 battery. 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.



#### Low voltage start

The equipment can start and run normally up to a supply voltage of 165 V



#### **PROBLEM SOLVING**

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

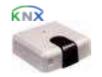


## Different speeds of the external

Accurate adjustment of fan speed thanks to DC fan.

### **OPTIONALS**

More information of the optionals in "MUNDOCLIMA CONTROL SYSTEMS"



IS-IR-KNX-1i (CL 99 096)



K-380EW (CO 14 907)

WIFI

### **1x1 WALL SPLIT INVERTER H9A**



Model				MUPR-09-H9A	MUPR-12-H9A	MUPR-18-H9A	MUPR-24-H9A
Code			CL20041	CL20042	CL20043	CL20044	
Coue	Dated capacity	/ (min. ~ max.)	kW	2.60 (0.5 – 2.9)	3.5 (0.8 – 3.5)	5.27 (1.3 – 5.4)	7.03 (2.0 – 7.6)
Cooling		ption (min max.)	kW		1.09 (0.086 – 1.6)	1.65 (0.2 – 2.0)	2.20 (0.3 – 2.9)
		puon (mm max.)	kW	2.6	3.2	5.3	6.7
	Pdesignc SEER		W/W	6.15	6.10	6.57	6.89
	Energy labeling	~	VV/ VV	A++	A++	0.57 A++	0.09 A++
		y city consumption	kWh/year	149	184	283	341
		t (min. ~ max.)	kW1/year	2.80 (0.5 – 3.1)	3.5 (1.0 – 3.6)	5.37 (1.4 – 6.1)	7.05 (2.5 – 8.0)
			kW				
	Rated Consum	ption (min max.)	kW	2.2	0.97 (0.188 – 1.6) 2.4	4.4	1.96 (0.35 – 3.0) 5.7
	Intermediate	Pdesignh SCOP	W/W	4.10	4.07	4.02	4.11
	climate zone	Energy labeling		A+	A+	A+	A+
Heating		Annual electricity consumption	kWh/year	752	826	1535	1940
Ü		Tbiv	°C	-7	-7	-7	-7
		Pdesignh	kW	2.4	2.7	5.5	7.0
	Warm climate	SCOP	W/W	5.08	4.82	5.40	5.25
	zone	Energy labeling		A++	A++	A+++	A+++
		Annual electricity consumption	kWh/year	663	784	1426	1867
		Tbiv	°C	2	2	2	2
Tol			°C	-10	-10 -10 -10 -10		
Power supply			V-Hz-Ph	220-240V~ 50Hz, 1N			
Max. consumption			kW	1.5	1.9	2.9	3.7
Max. current			A	8	9.5	12	16
	Air flow rate (Turbo / High / Medium / Low)		m³/h	600 / 500 / 450	600 / 500 / 450	850 / 818 / 740	1150 / 1090 / 990
	Sound process	re (Turbo / High / Medium / Low)	dB(A)	/ 405 42 / 37 / 33 / 27	/ 405 42 / 37 / 33 / 27	/ 666 48 / 43 / 38 / 32	/ 890 50 / 45 / 40 / 34
Indoor unit	Sound power		dB(A)	57	53	57	60
	Dimensions (V		mm	750 x 285 x 200	750 x 285 x 200		1082 x 330 x 233
	Weight	v x ii x b)	kg	7.5	8	12	15
	Air flow rate (r	nav )	m <sup>3</sup> /h	2000	2000	2150	3000
	Sound pressure (High)		dB(A)	52	52	54	55
Outdoor unit	Sound power (High)		dB(A)	61	59	61	64
Outuooi uiiit	Dimensions (V	(riigii) M v Ll v D)	mm	723 x 546 x 260	723 x 546 x 260	805 x 546 x 315	895 x 700 x 350
	Weight	V X II X D)	kg	25	25	35	45
	Type / PCA		l va	R32 / 675	R32 / 675	R32 / 675	R32 / 675
	Load		kg / TCO <sub>2</sub> eq	0.53 / 0.357	0.60 / 0.405	1.28 / 0.864	1.44 / 0.972
Refrigerant	Preload until		m	5	5	5	5
	Additional load	(from 5 m)	g/m	16	16	24	24
	Liquid						
	•		mm(inch)	Ø6.35 (1/4")	Ø6.35 (1/4")	Ø6.35 (1/4")	Ø9.52 (3/8")
Connection pipes	Gas		mm(inch)	Ø9.52 (3/8")	Ø9.52 (3/8")	Ø12.7 (1/2")	Ø15.9 (5/8")
	Max. Length		m	20	20	25	25
	Max. Drop Height		m	10	10	15	15
Electrical wiring	Supply (outdo		mm <sup>2</sup>	2 x 2.5 + T	2 x 2.5 + T	2 x 2.5 + T	2 x 4 + T
Licotrical wiring	Interconnectio	n	mm <sup>2</sup>	4 x 2.5 + T	4 x 2.5 + T	4 x 2.5 + T	4 x 4 + T
Wireless remote control				H Series			
Operation	Indoor (Coolin		°C	18 ~ 32 / 0 ~ 27			
temperature	Outdoor (Cool	ing / Heating)	°C	-10 ~ 43 / -7 ~ 24			
Warning:	•						

Warning:

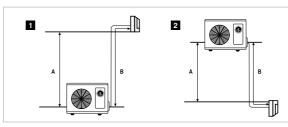
- 1. Data and specifications are subject to changes without previous notice.
- 2. 2. The values of noise level match with values obtained in the semi-anechoic chamber.

#### **ELECTRICAL INSTALLATION**

Model	Electrical wiring (A)	Interconnection wiring (B)		
MUPR-09-H9A	2 x 2.5 + T	4 x 2.5 + T		
MUPR-12-H9A	2 x 2.5 + T	4 x 2.5 + T		
MUPR-18-H9A	2 x 2.5 + T	4 x 2.5 + T		
MUPR-24-H9A	2 x 4 + T	4 x 4 + T		

### **COOLING INSTALLATION AND ADDITIONAL LOAD (R-32)**

Model	Pipe		Max. Length	Max. slope	Preload until	Additional charge	
Model	Liquid	Gas	(B)	(A) ·	(m)	(g/m)	
MUPR-09-H9A	1/4"	3/8"	20	10	5	16	
MUPR-12-H9A	1/4"	3/8"	20	10	5	16	
MUPR-18-H9A	1/4"	1/2"	25	15	5	24	
MUPR-24-H9A	3/8"	5/8"	25	15	5	24	



<sup>\*</sup>In case 2 (outdoor unit higher) for slopes higher than 5~7 m it is recommended to install an oil trap in the gas pipe every 5~7 m.