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# R32 MULTISPLIT

Outdoor Unit	EER*	COP*	SEER*	SCOP*
HCKU 471 Z2	3.23	3.71	5.60 / A+	3.80 / A
HCKU 531 Z2	3.23	3.71	6.10 / A++	3.80 / A
HCKU 601 Z3	3.23	3.71	6.10 / A++	4.00 / A+
HCKU 761 Z3	3.23	3.71	6.10 / A++	4.00 / A+
HCKU 810 Z4	3.23	4.00	6.10 / A++	3.80 / A
HCKU 1060 Z4	3.23	3.93	6.20 / A++	3.80 / A

\* The values shown may vary depending on the combinations chosen. For further information, refer to the technical manual.

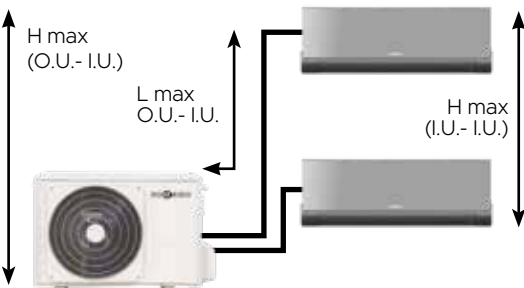
## OPERATING RANGE

**-15° C / 50° C**  
in cooling

**-15° C / 24° C**  
in heating

## INSTALLATION FLEXIBILITY

Extensive splitting lengths.



### HCKU 471-531 Z2

- L TOT PIPING = 40 m
- L MAX O.U.- I.U. = 25 m
- H MAX O.U.- I.U. = 15 m
- H MAX I.U.- I.U. = 10 m

### HCKU 810-1060 Z4

- L TOT PIPING = 80 m
- L MAX O.U.- I.U. = 35 m
- H MAX O.U.- I.U. = 15 m
- H MAX I.U.- I.U. = 10 m

### HCKU 601-761 Z3

- L TOT PIPING = 60 m
- L MAX O.U.- I.U. = 30 m
- H MAX O.U.- I.U. = 15 m
- H MAX I.U.- I.U. = 10 m

## HIGHLY COMPACT

Highly compact and easy to install.

### HCKU 471-531 Z2



### HCKU 601-761 Z3



### HCKU 810-1060 Z4





# R32 MULTISPLIT

## Outdoor unit - Up to 4 connectable indoor units



HCKU 471 Z2  
HCKU 531 Z2

HCKU 601 Z3  
HCKU 761 Z3

HCKU 810 Z4  
HCKU 1060 Z4

**A++/A+** (6.15~7.91 kW) | Energy efficiency class in cooling/heating

Broad operating range in heating mode down to an outside temperature of -15° C, in cooling mode up to an outside temperature of +50° C

Maximum flexibility and ease of installation guaranteed by long refrigerant pipe length

Verify the maximum gas concentration limits, in particular in residential applications, as required by EN 378:2016.

Model			HCKU 471 Z2	HCKU 531 Z2	HCKU 601 Z3	HCKU 761 Z3	HCKU 810 Z4	HCKU 1060 Z4
<b>Type</b>	<b>Outdoor DC-Inverter heat pump unit</b>							
<b>Connectable indoor units (min - max)</b>	<b>no.</b>		<b>1 - 2</b>	<b>1 - 2</b>	<b>2 - 3</b>	<b>2 - 3</b>	<b>2 - 4</b>	<b>2 - 4</b>
Rated capacity (T=+35°C)	Cooling	kW	4.10 (1.47~4.98)	5.28 (2.29~5.72)	6.15 (1.99~6.59)	7.91 (3.18~8.21)	8.21 (2.05~9.85)	10.55 (2.05~12.66)
Rated absorbed power (T=+35°C)		kW	1.27 (0.12~1.67)	1.635 (0.69~2.00)	1.905 (0.18~2.20)	2.45 (0.29~3.10)	2.54 (0.89~3.18)	3.27 (1.14~4.09)
Rated energy efficiency coefficient		EER <sup>3</sup>	3.23	3.23	3.23	3.23	3.23	3.23
Seasonal energy efficiency class		626/2011 <sup>1</sup>	A+	A++	A++	A++	A++	A++
Seasonal energy efficiency index		SEER <sup>2</sup>	5.60	6.10	6.10	6.10	6.10	6.20
Annual energy consumption		kWh/a	256	304	350	453	470	598
Theoretical load (Pdesignc)		kW	4.10	5.30	6.10	7.90	8.20	10.60
Rated capacity (T=+7°C)		kW	4.40 (1.52~4.98)	5.57 (2.40~5.74)	6.45 (1.45~6.68)	8.21 (2.29~8.50)	8.79 (2.34~10.55)	10.84 (2.34~13.01)
Rated absorbed power (T=+7°C)		kW	1.185 (0.25~1.59)	1.50 (0.60~1.78)	1.738 (0.35~1.80)	2.21 (0.37~2.90)	2.20 (0.77~2.75)	2.76 (0.97~3.45)
Rated energy performance coefficient		COP <sup>3</sup>	3.71	3.71	3.71	3.71	4.00	3.93
Energy efficiency class (average season)	626/2011 <sup>1</sup>	A	A	A+	A+	A	A	
Seasonal energy efficiency class index (average season)	SCOP <sup>2</sup>	3.80	3.80	4.00	4.00	3.80	3.80	
Annual energy consumption	kWh/a	1363	1768	1890	1960	2395	3316	
Theoretical load (Pdesignh) @-10° C	kW	3.70	4.80	5.40	5.60	6.50	9.00	
Operating limits (outside temperature)	Cooling	°C	-15~50					
	Heating	°C	-15~24					
<b>Electrical data</b>								
Power supply	Ph-V-Hz	1-220~240V-50HZ		1-220~240V-50HZ		1-220~240V-50HZ		1-220~240V-50HZ
Power cable	Type	3 x 2.5 mm <sup>2</sup>		3 x 2.5 mm <sup>2</sup>		3 x 4 mm <sup>2</sup>		3 x 6 mm <sup>2</sup>
Connection wires between each I.U. and O.U.	no.	4		4		4		4
Rated absorbed current (min~max)	Cooling	A	5.80 (1.10~7.40)	7.30 (3.20~9.00)	8.30 (1.80~10.00)	11.20 (2.00~13.50)	11.30 (3.90~14.10)	14.30 (5.10~18.20)
	Heating	A	5.40 (1.90~7.00)	6.60 (2.80~8.00)	7.60 (2.60~8.00)	10.10 (2.40~13.00)	9.80 (3.40~12.20)	12.10 (4.30~15.30)
Maximum current	A	12.00		13.00		17.00		18.00
Maximum absorbed power	kW	2.75		3.05		3.91		4.10
<b>Refrigerant circuit</b>								
Refrigerant (GWP) <sup>4</sup>		R32 (675)		R32 (675)		R32 (675)		R32 (675)
Quantity refrigerant pre-load	Kg	1.1		1.25		1.5		1.85
Tons of CO2 equivalent	t	0.743		0.844		1.013		1.249
Diameter of refrigerant piping on liquid/gas	mm (inches)	2 x ø6.35(1/4")/ 2 x ø9.52(3/8")		2 x ø6.35(1/4")/ 2 x ø9.52(3/8")		3 x ø6.35(1/4")/ 3 x ø9.52(3/8")		4 x ø6.35(1/4")/ 3 x ø9.52(3/8") + 1 x ø12.74(1/2")
Total splitting length	m	40		40		60		60
Max length of a single refrigeration line	m	25		25		30		30
Max height difference I.U./O.U.	m	15		15		15		15
Max height difference between I.U.	m	10		10		10		10
Splitting length without additional load	m	15		15		22.5		22.5
Additional load	g/m	12		12		12		12
<b>Product specifications</b>								
Dimensions	LxDxH	mm	805x330x554	805x330x554	890x342x673	890x342x673	946x410x810	946x410x810
Net weight	Kg	31.6		35		43.3		48
Sound pressure level	dB(A)	56		54		57.5		58
Sound power level	dB(A)	65		65		65		68
Treated air (Max)	m <sup>3</sup> /h	2100		2100		3000		3000
Motor power (Output)	W	47		47		88		88

Energy efficiency values refer to the following combinations: HCKU 471 Z2 + 2 x HKEU 203 ZL - HCKU 531 Z2 + 2 x HKEU 263 ZAL - HCKU 601 Z3 + 3 x HKEU 203 ZL - HCKU 761 Z3 + 3 x HKEU 263 ZAL - HCKU 810 Z4 + 4 x HKEU 203 ZL - HCKU 1060 Z4 + 4 x HKEU 263 ZAL.

1 EU Delegated Regulation No.626/2011 on the new labelling indicating the energy consumption of air conditioners. 2 EU Regulation No.206/2012 - Value measured according to harmonised standard EN14825. 3 Value measured according to harmonised standard EN14511. 4 Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.