

## R32 MULTISPLIT

Outdoor unit - Up to 4 connectable indoor units



HCKU 470 Z2  
HCKU 530 Z2



HCKU 600 Z3  
HCKU 760 Z3



HCKU 810 Z4

### Main features

Energy efficiency class in cooling/heating mode A++/A+ (5.28~7.91 kW).

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

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

Model		HCKU 470 Z2	HCKU 530 Z2	HCKU 600 Z3	HCKU 760 Z3	HCKU 810 Z4	
<b>Type</b>		Outdoor DC-Inverter heat pump unit					
Connectable indoor units (min - max)	no.	1 - 2	1 - 2	2 - 3	2 - 3	2 - 4	
Rated capacity (T=+35°C)	kW	4.10 (1.82~4.81)	5.28 (2.05~6.86)	6.15 (1.94~6.86)	7.91 (2.89~8.50)	8.21 (2.05~9.85)	
Rated absorbed power (T=+35°C)	kW	1.27 (0.17~1.71)	1.63 (0.69~2.00)	1.95 (0.18~2.24)	2.45 (0.24~3.22)	2.54 (0.89~3.18)	
Rated energy efficiency coefficient	EER <sup>3</sup>	3.23	3.24	3.16	3.23	3.23	
Seasonal energy efficiency class	626/2011 <sup>1</sup>	A+	A++	A++	A++	A++	
Seasonal energy efficiency index	SEER <sup>2</sup>	5.6	6.1	6.1	6.1	6.1	
Annual energy consumption	kWh/a	256	304	350	453	470	
Theoretical load (Pdesignc)	kW	4.1	5.3	6.1	7.9	8.2	
Rated capacity (T=+7°C)	kW	4.40 (1.53~5.10)	5.57 (2.34~7.24)	6.60 (1.73~7.25)	8.21 (1.99~8.50)	8.79 (2.34~10.55)	
Rated absorbed power (T=+7°C)	kW	1.185 (0.27~1.71)	1.50 (0.60~1.67)	1.78 (0.33~1.92)	2.20 (0.32~2.84)	2.20 (0.77~2.75)	
Rated energy performance coefficient	COP <sup>3</sup>	3.71	3.71	3.71	3.73	4.00	
Energy efficiency class (intermediate climate season)	626/2011 <sup>1</sup>	A	A+	A+	A+	A	
Seasonal energy efficiency index (intermediate climate season)	SCOP <sup>2</sup>	3.8	4.0	4.0	4.0	3.8	
Annual energy consumption	kWh/a	1363	1537	1960	1993	2395	
Theoretical load (Pdesignh)	kW	3.7	4.3	5.6	5.7	6.5	
Operating limits (external temperature)	Cooling	°C	-15~50	-15~50	-15~50	-15~50	
	Heating	°C	-15~24	-15~24	-15~24	-15~24	
<b>Electrical data</b>							
Power	Ph-V-Hz	1-220~240V-50HZ	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 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	
Rated absorbed current	Cooling	A	5.5 (0.7~9.3)	7.1 (3.1~9.2)	9.0 (1.1~9.9)	13.7 (2.2~14.3)	11.3 (3.9~14.1)
	Heating	A	5.2 (1.2~9.4)	6.6 (2.6~7.9)	8.5 (1.9~8.5)	12.5 (2.6~12.6)	9.8 (3.4~12.2)
Maximum current	A	11.5	13	15.5	17.5	19	
Maximum absorbed power	kW	2.65	2.85	3.30	3.60	4.15	
Connection wires between each I.U. and O.U.	no.	4	4	4	4	4	
<b>Refrigerant circuit</b>							
Refrigerant (GWP) <sup>4</sup>		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	
Quantity refrigerant pre-load	Kg	1.10	1.25	1.4	1.72	2.1	
Tons of CO2 equivalent	t	0.743	0.844	0.945	1.161	1.418	
Diameter of refrigerant piping on liquid/gas	mm (inches)	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	80	
Max length of a single refrigeration line	m	25	25	30	30	35	
Max I.U./O.U. height difference	m	15	15	15	15	15	
Max height difference between I.U.	m	10	10	10	10	10	
Splitting length without additional load	m	15	15	22.5	22.5	30	
Additional load	g/m	12	12	12	12	12	
<b>Product specifications</b>							
Dimensions	LxDxH	mm	800x333x554	800x333x554	845x363x702	845x363x702	946x410x810
	Net weight	Kg	31.6	35.5	46.8	51.1	62.1
Sound pressure level	dB(A)	57	56	57.5	54	61.5	
Sound power level	dB(A)	64	65	65	67	67	
Handled air (Max)	m <sup>3</sup> /h	2200	2200	3000	2700	3800	
Motor power (Input)	W	34	34	115	115	150	

Energy efficiency values refer to the following combinations: HCKU470Z2 + 2xHKEU203ZL -- HCKU530Z2 + 2xHKEU264ZAL -- HCKU600Z3 + 3xHKEU203ZL -- HCKU760Z3 + 3xHKEU264ZAL -- HCKU 810 Z4 + 4xHKEU203ZL

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.