R32 MULTISPLIT

OUTDOOR UNITS	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.

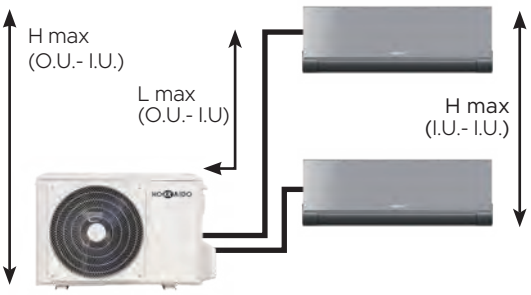
OPERATING RANGE

-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 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**

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**

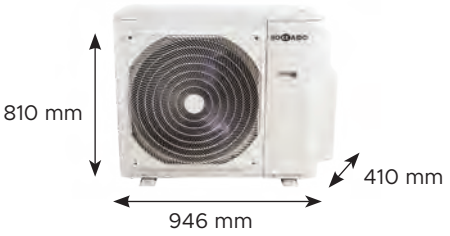
HIGHLY COMPACT

Highly compact and easy to install.

HCKU 471-531 Z2

HCKU 601-761 Z3

HCKU 810-1060 Z4



R32 MULTISPLIT

kW		4.10	5.28	6.15	7.91	8.21	10.55
Number of connectable I.U.		2	2	3	3	4	4
		 HCKU 471 Z2	 HCKU 531 Z2	 HCKU 601 Z3	 HCKU 761 Z3	 HCKU 810 Z4	 HCKU 1060 Z4
	HKEMM 262 ZAL	●	●	●	●	●	●
	HKEMM 352 ZAL	●	●	●	●	●	●
	HKEMM 266 ZAL	●	●	●	●	●	●
	HKEMM 356 ZAL	●	●	●	●	●	●
	HKEU 203 ZL	●	●	●	●	●	●
	HKEU 263 ZAL	●	●	●	●	●	●
	HKEU 353 ZAL-1	●	●	●	●	●	●
	HKEU 533 ZAL		●	●	●	●	●
	HTFU 351 ZAL	●	●	●	●	●	●
	HTFU 531 ZAL		●	●	●	●	●
	HUCU 351 ZAL	●	●	●	●	●	●
	HUCU 531 ZAL		●	●	●	●	●
	HFIU 351 ZAL	●	●	●	●	●	●
	HFIU 501 ZAL		●	●	●	●	●
	HSFU 531 ZAL		●	●	●	●	●

Performance and consumption are based on the following test conditions:
O.T. heating 7° C DB, 6° C WB - I.T. 20° C DB. Cooling: O.T. 35° C DB, 24° C WB - I.T. 27° C DB, 19° C WB (ISO T1).

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
Type			Outdoor DC-Inverter heat pump unit					
Connectable indoor units (min - max)		no.	1 - 2	1 - 2	2 - 3	2 - 3	2 - 4	2 - 4
Nominal data								
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)	Cooling	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	Cooling	EER[1]	3.23	3.23	3.23	3.23	3.23	3.23
Rated capacity (T=+7°C)	Heating	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)	Heating	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	Heating	COP[1]	3.71	3.71	3.71	3.71	4.00	3.93
Seasonal data								
Theoretical load (Pdesignc)	Cooling	kW	4.10	5.30	6.10	7.90	8.20	10.60
Seasonal energy efficiency index	Cooling	SEER[2]	5.60	6.10	6.10	6.10	6.10	6.20
Seasonal energy efficiency class	Cooling	626/2011[3]	A+	A++	A++	A++	A++	A++
Annual energy consumption	Cooling	kWh/a	256	304	350	453	470	598
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	3.70	4.80	5.40	5.60	6.50	9.00
Seasonal energy efficiency index	Heating (average climate conditions)	SCOP[2]	3.80	3.80	4.00	4.00	3.80	3.80
Seasonal energy efficiency class	Heating (average climate conditions)	626/2011[3]	A	A	A+	A+	A	A
Annual energy consumption	Heating (average climate conditions)	kWh/a	1363	1768	1890	1960	2395	3316
Electrical data								
Power supply		Ph-V-Hz	1~220~240V-50HZ					
Power cable		Type	3 x 2.5 mm²	3 x 2.5 mm²	3 x 4 mm²	3 x 4 mm²	3 x 4 mm²	3 x 6 mm²
Connection wires between I.U. and O.U.		no.	4	4	4	4	4	4
Absorbed current	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)
Absorbed current	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	19.00	21.50
Maximum absorbed power		kW	2.75	3.05	3.91	4.10	4.15	4.60
Refrigerant circuit								
Refrigerant[4]		Type (GWP)	R32 (675)					
Quantity refrigerant pre-load		Kg	1.1	1.25	1.5	1.85	2.1	2.1
Tons of CO2 equivalent		t	0.743	0.844	1.013	1.249	1.418	1.418
Diameter of refrigerant piping on liquid/gas		mm (inches)	2 x 6.35(1/4") 2 x 9.52(3/8")	2 x 6.35(1/4") 2 x 9.52(3/8")	3 x 6.35(1/4") 3 x 9.52(3/8")	3 x 6.35(1/4") 3 x 9.52(3/8")	4 x 6.35(1/4") 3 x 9.52(3/8") + 1 x 12.74(1/2")	4 x 6.35(1/4") 3 x 9.52(3/8") + 1 x 12.74(1/2")
Total splitting length		m	40	40	60	60	80	80
Max length of a single refrigeration line		m	25	25	30	30	35	35
Max height difference I.U./O.U.		m	15	15	15	15	15	15
Max height difference between I.U.		m	10	10	10	10	10	10
Splitting length without additional load		m	15	15	22.5	22.5	30	30
Additional load		g/m	12	12	12	12	12	12
Product specifications								
Dimensions	LxDxH	mm	805x330x554	805x330x554	890x342x673	890x342x673	946x410x810	946x410x810
Net weight		Kg	31.6	35	43.3	48	62.1	68.8
Sound pressure level		dB(A)	65	65	65	68	67	67
Sound power level		dB(A)	56	54	57.5	58	61.5	63
Treated air volume		m³/h	2100	2100	3000	3000	3800	4000
Operating limits (outside temperature)	Cooling	°C	-15~50					
Operating limits (outside temperature)	Heating	°C	-15~24					

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. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 - - Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 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.