R32 MULTISPLIT

Outdoor unit	EER*	COP*	SEER*	SCOP*
HCKU 470 Z2	3.23	3.71	5.6 / A+	3.8 / A
HCKU 530 Z2	3.24	4.01	6.1 / A++	3.8 / A
HCKU 600 Z3	3.24	3.71	6.1 / A++	4.0 / A+
HCKU 760 Z3	3.23	3.91	6.1 / A++	4.0 / A+
HCKU 810 Z4	3.23	4.00	6.1 / A++	3.8 / A
HCKU 1060 Z4	3.23	3.93	6.2 / A++	3.8 / A
HCKU 1200 Z5	2.89	3.97	6.1 / A++	3.5 / 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 cooling

INSTALLATION FLEXIBILITY

Extensive splitting lengths.

HCKU 470-530 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 600-760 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 | HCKU 1200 Z5

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 470-530 Z2

HCKU 600-760 Z3

HCKU 810-1060 Z4 | HCKU 1200 Z5

R32 MULTISPLIT
Outdoor unit - Up to 5 connectable indoor units

HCKU 470 Z2
HCKU 530 Z2

HCKU 600 Z3
HCKU 760 Z3

HCKU 810 Z4
HCKU 1060 Z4

HCKU 1200 Z5

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

Broad operating range in heating mode up 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 470 Z2	HCKU 530 Z2	HCKU 600 Z3	HCKU 760 Z3	HCKU 810 Z4	HCKU 1060 Z4	HCKU 1200 Z5
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	2 - 5
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 (2.96~8.50)	8.21 (2.05~9.85)	10.55 (2.05~12.66)	12.31 (2.05~14.16)
Rated absorbed power (T=+35°C)		kW	1.27 (0.17~1.71)	1.63 (0.65~2.00)	1.90 (0.18~2.24)	2.45 (0.24~3.22)	2.54 (0.89~3.18)	3.27 (1.14~4.09)	4.26 (1.49~4.58)
Rated energy efficiency coefficient		EER[3]	3.23	3.24	3.24	3.23	3.23	3.23	2.89
Seasonal energy efficiency class	Cooling	626/2011[1]	A+	A++	A++	A++	A++	A++	A++
Seasonal energy efficiency index		SEER[2]	5.6	6.1	6.1	6.1	6.1	6.2	6.1
Annual energy consumption		kWh/a	256	309	350	453	471	598	711
Theoretical load (Pdesignc)		kW	4.1	5.3	6.1	7.9	8.2	10.6	12.4
Rated capacity (T=+7°C)		kW	4.40 (1.53~5.10)	5.57 (2.34~7.24)	6.6 (1.73~7.25)	8.21 (2.04~9.38)	8.79 (2.34~10.55)	10.84 (2.34~13.01)	12.31 (2.34~14.77)
Rated absorbed power (T=+7°C)		kW	1.185 (0.27~1.71)	1.39 (0.60~1.67)	1.78 (0.33~1.92)	2.10 (0.31~2.89)	2.20 (0.77~2.75)	2.76 (0.97~3.45)	3.10 (1.09~4.00)
Rated energy performance coefficient		COP[3]	3.71	4.01	3.71	3.91	4.00	3.93	3.97
Energy efficiency class (average season)	Heating	626/2011[1]	A	A	A+	A+	A	A	A
Seasonal energy efficiency class index (average season)		SCOP[2]	3.8	3.8	4.0	4.0	3.8	3.8	3.5
Annual energy consumption		kWh/a	1363	1768	1960	1960	2395	3316	3680
Theoretical load (Pdesignh) @-10° C		kW	3.7	4.8	5.6	5.6	6.5	9.0	9.2
Operating limits (outside temperature)	Cooling	°C	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50
	Heating	°C	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24
Electrical data									
Power supply		Ph-V-Hz	1-220~240V-50HZ	1-220~240V-50HZ	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^2	3 x 2.5 mm^2	3 x 4 mm^2	3 x 4 mm^2	3 x 4 mm^2	3 x 6 mm^2	3 x 6 mm^2
Connection wires between each I.U. and O.U.		no.	4	4	4	4	4	4	4
Rated absorbed current (min~max)	Cooling	A	5.50 (0.70~9.30)	7.10 (2.80~9.20)	9.00 (1.10~9.90)	13.70 (2.20~14.30)	11.30 (3.90~14.10)	14.30 (5.10~18.20)	18.50 (6.60~20.30)
	Heating	A	5.20 (1.20~9.40)	6.10 (2.60~7.70)	8.50 (1.90~8.50)	12.50 (2.50~12.90)	9.80 (3.40~12.20)	12.10 (4.30~15.30)	13.50 (4.80~17.80)
Maximum current		A	11.5	13	15.5	17.5	19	21.5	22
Maximum absorbed power		kW	2.65	2.85	3.30	3.60	4.15	4.60	4.70
Refrigerant circuit									
Refrigerant (GWP)[4]			R32 (675)	R32 (675)	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	2.1	2.4
Tons of CO2 equivalent		t	0.743	0.844	0.945	1.161	1.418	1.418	1.620
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")	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")	4 x ø6.35(1/4")/ 3 x ø9.52(3/8") + 1 x ø12.74(1/2")	5 x ø6.35(1/4")/ 4 x ø9.52(3/8")+ 1 x ø12.74(1/2")
Total splitting length		m	40	40	60	60	80	80	80
Max length of a single refrigeration line		m	25	25	30	30	35	35	35
Max height difference I.U./O.U.		m	15	15	15	15	15	15	15
Max height difference between I.U.		m	10	10	10	10	10	10	10
Splitting length without additional load		m	15	15	22.5	22.5	30	30	37.5
Additional load		g/m	12	12	12	12	12	12	12
Product specifications									
Dimensions	LxDxH	mm	800x333x554	800x333x554	845x363x702	845x363x702	946x410x810	946x410x810	946x410x810
Net weight		Kg	31.6	35.5	46.8	51.1	62.1	68.8	73.3
Sound pressure level		dB(A)	57	56	57.5	54	61.5	63	64
Sound power level		dB(A)	64	65	65	67	67	67	69
Treated air (Max)		m^3/h	2200	2200	3000	2700	3800	4000	3850
Motor power (Output)		W	34	34	115	115	150	150	150

Energy efficiency values refer to the following combinations: HCKU 470 Z2 + 2 x HKEU 203 ZL - HCKU 530 Z2 + 2 x HKEU 263 ZAL - HCKU 600 Z3 + 3 x HKEU 203 ZL - HCKU760Z3 + 3 x HKEU 263 ZAL - HCKU810Z4 + 4 x HKEU 203 ZL - HCKU 1060 Z4 + 4 x HKEU 263 ZAL - HCKU1 200 Z5 + 5 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.