

MULTISPLIT MULTI LIBERTY DC INVERTER

ERP
READY

Multi Liberty Residential Range.

Wide range of indoor units, from wall to cassette
60x60, console and ducted.
Possibility to connect up to 5 indoor units.

HKEU X



NEW

HKEU 209~539 X

HTFU X



HTFU 208~538 X

HFIU X



NEW

HFIU 208~538 X

HUCU X



HUCU 208~538 X

MULTISPLIT MULTI LIBERTY DC INVERTER

Outdoor units

Sine Wave Inverter Technology: 180°



HCKU 408 X2 DUAL
HCKU 538 X2 DUAL
HCKU 608 X3 TRIAL



HCKU 808 X3 TRIAL
HCKU 818 X4 POKER



HCKU 1068 X4 POKER
HCKU 1068 X5 PENTA

NEW

NEW

NEW

Model			HCKU 408 X2	HCKU 538 X2	HCKU 608 X3	HCKU 808 X3	HCKU 818 X4	HCKU 1068 X4	HCKU 1068 X5
Type			DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter
Indoor unit connectable			n°	2	2	3	3	4	5
Capacity (T=35°C)	Cooling	kW	4.10 (1.54~5.50)	5.30 (1.40~6.60)	6.16 (1.56~8.93)	8.00 (1.38~9.80)	8.21 (1.38~11.09)	10.55 (1.27~13.80)	10.50 (1.30~17.23)
Power Input (T=+35° C)	Cooling	kW	1.200 (0.61~1.83)	1.570 (0.41~2.09)	1.900 (0.53~3.03)	2.410 (0.48~3.06)	2.470 (0.58~3.75)	3.250 (0.55~4.31)	3.280 (0.55~5.82)
Annual Consumption	Cooling	kWh/a	282	320	386	477	470	707	656
Energy Efficiency Class Seasonal	Cooling	626/2011 ¹	A	A+	A+	A+	A++	A	A+
Energy Efficiency Class Seasonal Index	Cooling	SEER ²	5.1	5.8	5.8	5.8	6.1	5.2	5.6
Coefficient of Energy Efficiency Rated	Cooling	EER ³	3.42	3.38	3.24	3.32	3.32	3.25	3.20
Design load (Pdesignc)	Cooling	kW	4.10	5.30	6.40	7.90	8.20	10.50	10.50
Capacity (T=+7° C)	Heating	kW	4.60 (1.59~5.70)	5.80 (1.30~6.40)	6.74 (1.67~9.32)	8.85 (1.47~10.50)	9.10 (1.59~12.30)	11.70 (1.59~14.40)	12.30 (1.59~17.74)
Power Input (T=+7° C)	Heating	kW	1.080 (0.45~1.75)	1.462 (0.37~1.80)	1.750 (0.49~2.80)	2.350 (0.46~2.75)	2.440 (0.47~3.71)	3.100 (0.61~4.23)	3.400 (0.61~5.23)
Annual Consumption	Heating	kWh/a	1540	2063	2247	3021	2984	3832	3868
Energy Efficiency Class Seasonal (average season)	Heating	626/2011 ¹	A+	A	A	A	A	A	A
Energy Efficiency Class Seasonal Index	Heating	SCOP ²	4.0	3.8	3.8	3.8	3.8	3.8	3.8
Coefficient of Energy Efficiency Rated	Heating	COP ³	4.26	3.97	3.85	3.77	3.73	3.77	3.62
Design load (Pdesignh)	Heating	kW	4.40	5.60	6.10	8.20	8.10	10.40	10.50
T° operational limit (Tol)	Heating	°C	-15	-15	-15	-15	-15	-15	-15
Power supply	Ph-V-Hz I.U. ~ O.U.		1-220~230V-50HZ O.U.	1-220~230V-50HZ O.U.	1-220~230V-50HZ O.U.	1-220~230V-50HZ O.U.	1-220~230V-50HZ O.U.	1-220~230V-50HZ O.U.	1-220~230V-50HZ O.U.
Input Rated Current (Cooling - Heating)	A		5.70 - 6.50	7.00 - 7.40	8.30 - 7.60	10.80 - 10.30	11.20 - 11.10	14.30 - 14.50	16.60 - 15.30
Wiring cables i.u./o.u. (without ground)	n°		3 (internal and external side terminal board)	3 (internal and external side terminal board)	3 (internal and external side terminal board)	3 (internal and external side terminal board)	3 (internal and external side terminal board)	3 (internal and external side terminal board)	3 (internal and external side terminal board)
Refrigerant circuit									
Refrigerant Pipe Liquid/Gas side	mm/inch.		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") - 4 x ø9.52 (3/8")	4 x ø6.35 (1/4") - 4 x ø9.52 (3/8")	5 x ø6.35 (1/4") - 5 x ø9.52 (3/8")
Refrigerating pipes adapter 9.53 (3/8")→ 12.7 (1/2")	n.		1	2	2	2	3	4	5
TOTAL Piping Length	m		30	30	45	45	60	60	75
MAX length of one refrigerant line	m		20	20	25	25	30	30	30
Max splitting level difference O.U./I.U. - I.U./O.U.	m		10/15	10/15	10/15	10/15	10/15	10/15	10/15
Refrigerant Precharge	kg		1.55	1.90	2.10	2.40	2.40	2.70	3.00
MAX Splitting with Refrigerant Precharge (each I.U.)	m		5	5	5	5	5	5	5
Additional Refrigerant Charge	Liquid Pipe ø1/4"	g/m	15	15	15	15	15	15	15
Temperature range cooling	°C		-15° C ~ +50° C						
Temperature range heating	°C		-15° C ~ +24° C						
Specifications									
Outdoor Unit	Dimension (WxHxD)	mm	845x700x320	845x700x320	845x700x320	900x860x315	900x860x315	990x965x345	990x965x345
	Net	kg	46	48	50	62	65	78	80
Max noise level 1 m		dB(A)	60	62	58	62	61	65	65
Max power sound level		dB(A)	63	63	64	67	70	70	68
Max air flow		m³/h	2500	2500	2700	3500	3800	5500	5500

Energy efficiency values refer to the following combinations:

HCKU 408 X2 + 2 x HTFU 208 X - HCKU 538 X2 + 2 x HTFU 268 X - HCKU 608 X3 + 3 x HTFU 208 X
HCKU 808 X3 + 3 x HTFU 268 X - HCKU 818 X4 + 4 x HTFU 208 X - HCKU 1068 X4 + 4 x HTFU 268 X
HCKU 1068 X5 + 5 x HTFU 208 X.

¹ Commission Delegated Regulation (EU) No 626/2011 with regard to energy labelling of air conditioners.

² Commission Delegated Regulation (EU) No 206/2012. Value measured according to EN14825.

³ Value measured according to EN14511.

Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO₂ over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.