

HOKKAIDO

Experience makes technology

2013

Residential

MULTISPLIT



PREVIEW MULTISPLIT RANGE 2013*

new

MULTI LIBERTY DC INVERTER

INDOOR UNITS

2,00 kW

2,60 kW

3,50 kW

5,20 kW

5,30 kW

7,00 kW

WALL

HKEU X series 8



CASSETTE 60x60 ROUND FLOW

HTFU X series 8



DUCT MEDIUM STATIC PRESSURE

HUCU X series 8



OUTDOOR UNITS

DUAL

HCKU 408 X2

4,10 kW

HCKU 538 X2

5,30 kW



TRIPLE

HCKU 808 X3

8,00 kW



POKER

HCKU 1068 X4

10,50 kW



* Products available starting from October 2013

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

MULTISPLIT MULTI LIBERTY DC INVERTER



OUTDOOR UNITS*

Sine Wave Inverter Technology: 180°



2 I.U.



HKCU 408 X2 DUAL
HKCU 538 X2 DUAL

3 I.U.



HKCU 808 X3 TRIPLE

4 I.U.



HKCU 1068 X4 POKER

Model			HKCU 408 X2	HKCU 538 X2	HKCU 808 X3	HKCU 1068 X4								
Type			DC Inverter	DC Inverter	DC Inverter	DC Inverter								
Indoor unit connectable			2	2	3	4								
Capacity (T=35°C)	Cooling	kW	4,10(1,54-5,50)	5,30(1,40-6,60)	8,00(1,38-9,80)	10,50(1,27-13,80)								
Power Input (T=+35° C)	Cooling	kW	1,200(0,61-1,83)	1,570(0,41-2,09)	2,410(0,48-3,06)	3,250(0,55-4,31)								
Annual Consumption	Cooling	kWh/a	282	344	488	701								
Energy Efficiency Class Seasonal	Cooling	626/2011 ¹	A	A+	A+	A								
Energy Efficiency Class Seasonal Index	Cooling	SEER ²	5,1	5,8	5,8	5,2								
Energy Efficiency Rated	Cooling	31/2002 ³	A	A	A	A								
Coefficient of Energy Efficiency Rated	Cooling	EER ⁴	3,42	3,38	3,32	3,23								
Design load (Pdesignc)	Cooling	kW	4,10	5,3	7,9	10,5								
Capacity (T=+7° C)	Heating	kW	4,60(1,59-5,70)	5,80(1,30-6,40)	8,85(1,47-10,50)	11,70(1,59-14,40)								
Power Input (T=+7° C)	Heating	kW	1,080(0,45-1,75)	1,462(0,37-1,80)	2,350(0,46-2,75)	3,100(0,61-4,23)								
Annual Consumption	Heating	kWh/a	1540	2279	3589	4498								
Energy Efficiency Class Seasonal (average season)	Heating	626/2011 ¹	A+	A	A	A								
Energy Efficiency Class Seasonal Index	Heating	SCOP ²	4,0	3,8	3,8	3,8								
Energy Efficiency Rated	Heating	31/2002 ³	A	A	A	A								
Coefficient of Energy Efficiency Rated	Heating	COP ⁴	4,26	3,97	3,77	3,77								
Design load (Pdesignh)	Heating	kW	4,40	5,6	8,2	10,4								
T° operational limit (Tol)	Heating	°C	-15	-15	-15	-15								
Power supply		Ph-V-Hz	1-220-230V-50HZ	1-220-230V-50HZ	1-220-230V-50HZ	1-220-230V-50HZ								
		I.U. - O.U.	O.U.	O.U.	O.U.	O.U.								
Input Rated Current (Cooling - Heating)		A	5,00 - 4,50	7,00 - 7,40	10,8 - 10,3	15,3 - 15,8								
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)								
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")	4 x ø6,35(1/4") - 4 x ø9,52(3/8")								
Refrigerating pipes adapter 9,53(3/8")→ 12,7(1/2")		n.	1	2	2	4								
TOTAL Piping Length		m	15 + 15	15 + 15	15 + 15 + 15	15 + 15 + 15 + 15								
Max splitting level difference O.U./I.U. - I.U./ O.U.		m	10/10	10/10	10/10	10/10								
Refrigerant Precharge		kg	1,55	1,9	2,4	2,7								
MAX Splitting with Refrigerant Precharge (each I.U.)		m	5	5	5	5								
Additional Refrigerant Charge	Liquid Pipe ø1/4"	g/m	15	15	15	15								
Temperature range cooling		°C	-15°C ~ +50°C											
Temperature range heating		°C	-15°C ~ +24°C											
Indoor unit specifications														
Outdoor Unit	Dimension (WxHxD)	mm	845	700	320	845	700	320	900	860	315	990	965	345
	Net	kg	46			48			62			68		
	Max noise level 1 m	dB(A)	58			58			59			63		
	Max power sound level	dB(A)	63			63			67			69		
	Max air flow	m³/h	2500			2500			3500			5500		

Energy efficiency values refer to the following combinations:
 HKCU 408 X2 + 2 x HTFU 208 X - HKCU 538 X2 + 2 x HTFU 268 X - HKCU 808 X3 + 3 x HTFU 268 X - HKCU 1068 X4 + 4 x HTFU 268 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 Commission Delegated Regulation (EU) No 31/2012 with regard to energy labelling of air conditioners.
 4 Value measured according to EN14511.

5 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.

* Products available starting from October 2013

MULTISPLIT MULTI LIBERTY DC INVERTER

INDOOR UNITS*



WALL

new



4 power levels: 2.05~5.00 kW.

Ultra-compact design: only 710 mm for the 2.05~2.60 kW models.

Infrared remote control.

HKEU X

Model			HKEU 208 X			HKEU 268 X			HKEU 358 X			HKEU 538 X					
Type			DC Inverter			DC Inverter			DC Inverter			DC Inverter					
Capacity	Cooling	kW	2,05			2,60			3,50			5,00					
	Heating	kW	2,30			2,90			3,80			5,20					
Electrical data			Ph-V-Hz			1-220-230V-50HZ			1-220-230V-50HZ			1-220-230V-50HZ					
Power supply			I.U.-O.U.			O.U.			O.U.			O.U.					
Wiring cables i.u./o.u. (without ground)			n°			3 (internal - external side terminal board)			3 (internal - external side terminal board)			3 (internal - external side terminal board)					
Refrigerant circuit			mm/inch.			ø6,35(1/4") - ø9,52(3/8")			ø6,35(1/4") - ø9,52(3/8")			ø6,35(1/4") - ø12,70(1/2")					
Specifications			mm			710	250	189	710	250	189	790	275	196	930	275	198
Indoor Unit	Dimension (WxHxD)		mm			710			710			790			930		
	Net		kg			6,5			6,5			8			9		
Noise level 1 m (Hi/Mi/Lo)			dB(A)			36	32	28	36	32	28	42	35	29	46	42	36
Sound power level			dB(A)			49			51			55			59		
Air flow (Hi/Mi/Lo)			m³/h			550	450	350	550	450	350	620	520	400	800	700	600
Drain hose diameter			mm			25			25			25			25		
Remote Controller (st. equipment)			type			IR Wireless			IR Wireless			IR Wireless			IR Wireless		
Options																	
Wired control																	

CASSETTE 60x60 - ROUND FLOW



HTFU X

4 power levels: 2.00~5.00 kW.

Ultra-compact cassette.

Pre-set for external air intake connection.

Condensate drain pump.

Panel with 360° air diffusion.

Wide range of oscillation at 40°.

Electrical box inside the body machine.

Easy installation and maintenance.

Infrared remote control.

Model			HTFU 208 X			HTFU 268 X			HTFU 358 X			HTFU 538 X					
Type			DC Inverter			DC Inverter			DC Inverter			DC Inverter					
Capacity	Cooling	kW	2,00			2,60			3,50			5,00					
	Heating	kW	2,35			2,90			3,80			5,20					
Electrical data			Ph-V-Hz			1-220-230V-50HZ			1-220-230V-50HZ			1-220-230V-50HZ					
Power supply			I.U.-O.U.			O.U.			O.U.			O.U.					
Wiring cables i.u./o.u. (without ground)			n°			3 (internal - external side terminal board)			3 (internal - external side terminal board)			3 (internal - external side terminal board)					
Refrigerant circuit			mm/inch.			ø6,35(1/4") - ø9,52(3/8")			ø6,35(1/4") - ø9,52(3/8")			ø6,35(1/4") - ø12,70(1/2")					
Specifications			mm			570	260	570	570	260	570	570	260	570	570	260	570
Indoor Unit	Dimension (WxHxD)		Kg			17			17			17			18		
	Net		kg			2,5			2,5			2,5			2,5		
Noise level 1 m (Hi/Mi/Lo)			dB(A)			42	38	34	42	38	34	42	38	34	44	39	35
Sound power level			dB(A)			53			53			54			57		
Air flow (Hi/Mi/Lo)			m³/h			580	510	400	580	510	400	580	550	420	750	700	560
Drain hose diameter			mm			20			20			20			20		
Remote Controller (st. equipment)			type			IR Wireless			IR Wireless			IR Wireless			IR Wireless		
Panel			mm			647			647			647			647		
Panel	Dimension (WxHxD)		kg			2,5			2,5			2,5			2,5		
	Net																
Options																	
Wired control															YES		

MULTISPLIT MULTI LIBERTY DC INVERTER

INDOOR UNITS*

DUCT MEDIUM STATIC PRESSURE



4 power levels: 2.05~5.00 kW.

Ultra-compact design.

External air intake pre-set.

Air intake from bottom or rear.

Available static pressure: 40 Pa (2.05~3.50 kW);
70 Pa (5.00 kW).

Condensate drain pump included.

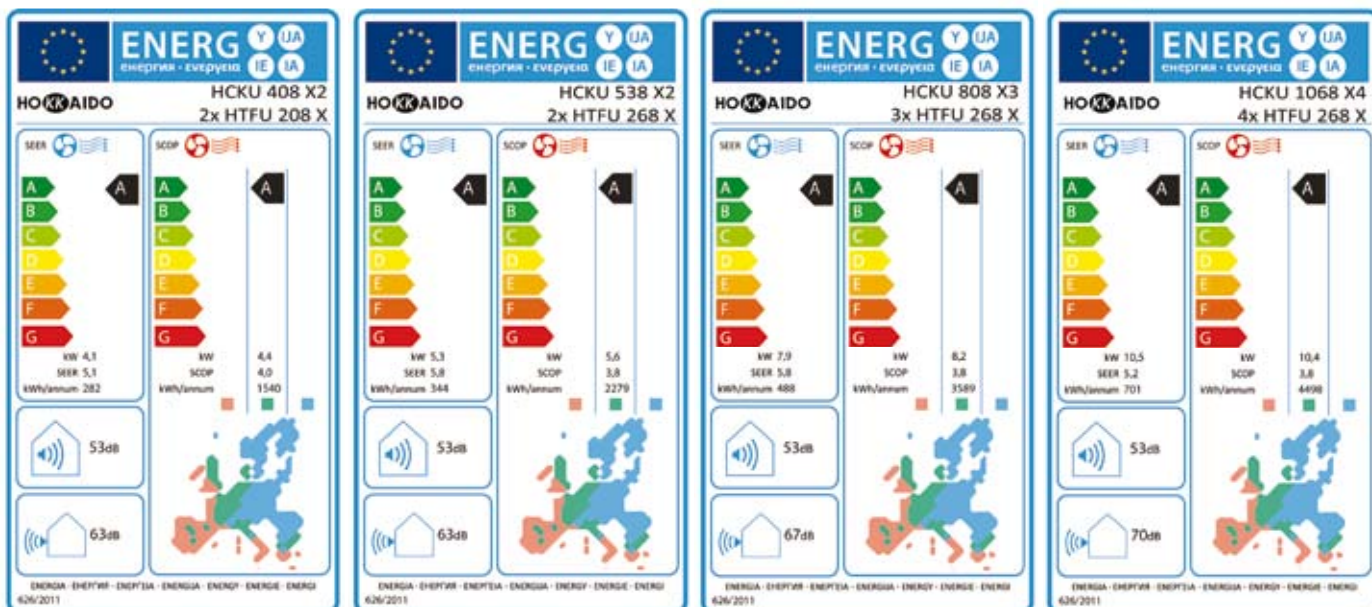
Movable electrical box.

HUCU X

Infrared remote control.

Model		HUCU 208 X			HUCU 268 X			HUCU 358 X			HUCU 538 X					
Type		DC Inverter			DC Inverter			DC Inverter			DC Inverter					
Capacity	Cooling	kW			2,05			2,60			3,50			5,00		
	Heating	kW			2,35			2,90			3,80			5,20		
Electrical data																
Alimentazione		Ph-V-Hz	1-220-230V-50HZ			1-220-230V-50HZ			1-220-230V-50HZ			1-220-230V-50HZ				
		I.U.-O.U.	O.U.			O.U.			O.U.			O.U.				
Wiring cables i.u./o.u. (without ground)		n°	3 (internal - external side terminal board)			3 (internal - external side terminal board)			3 (internal - external side terminal board)			3 (internal - external side terminal board)				
Refrigerant circuit																
Refrigerant Pipe Liquid/Gas side		mm/inch.	ø6,35(1/4") - ø9,52(3/8")			ø6,35(1/4") - ø9,52(3/8")			ø6,35(1/4") - ø9,52(3/8")			ø6,35(1/4") - ø12,70(1/2")				
Specifications																
Indoor Unit	Dimension (WxHxD)	mm	700	210	635	700	210	635	700	210	635	920	210	635		
	Net	kg	20			20			20			23				
	Noise level 1 m (Hi/Mi/Lo)	dB(A)	42	37	35	42	37	35	42	39	37	45	37	35		
	Sound power level	dB(A)	34			34			34			37				
	Air flow (Hi/Mi/Lo)	m³/h	800	690	520	800	690	520	1000	850	600	1150	900	600		
	Available static pressure	Pa	40			40			40			70				
	Drain hose diameter	mm	16			16			16			16				
	Remote Controller (st. equipment)	type	IR Wireless			IR Wireless			IR Wireless			IR Wireless				
Options																
Wired control								YES								

BEST COMBINATIONS



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