TWIN COMBINATIONS

Indoor unit model			**2 x HTBI 711 ZA**
Outdoor unit model			**HCSI 1401 ZA-1**
Type			DC-Inverter heat pump with 2 slim cassette indoor units
Control (included)			Remote control
Operating limits (outside temperature)	Cooling	°C	-15~50
	Heating	°C	-15~24
Nominal data			
Rated capacity (T=+35°C)	Cooling	kW	14.07 (3.52~15.83)
Rated absorbed power (T=+35°C)		kW	4.65 (0.80~5.90)
Rated energy efficiency coefficient		EER[1]	3.03
Rated capacity (T=+7°C)	Heating	kW	16.12 (4.10~17.29)
Rated absorbed power (T=+7°C)		kW	4.58 (0.90~5.50)
Rated energy performance coefficient		COP[1]	3.52
Seasonal data			
Theoretical load (Pdesignc)	Cooling	kW	14.00
Seasonal energy efficiency index		SEER[2]	6.10
Seasonal energy efficiency class		626/2011[3]	A++
Annual energy consumption		kWh/a	803
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	11.00
Seasonal energy efficiency index		SCOP[2]	4.00
Seasonal energy efficiency class		626/2011[3]	A+
Annual energy consumption		kWh/a	3850
Electrical data			
Power supply	Outdoor unit	Ph-V-Hz	3Ph - 380/415V - 50Hz
Power cable		Type	5 x 4 mm[2]
Connection wires between I.U. and O.U.		no.	4
Absorbed current	Cooling	A	8.10 (1.80~10.20)
	Heating	A	8.00 (1.90~9.50)
Maximum current		A	13.00
Maximum absorbed power		kW	6.90
Refrigerant circuit			
Refrigerant[4]		Type (GWP)	R32 (675)
Quantity refrigerant pre-load		Kg	2.9
Tons of CO2 equivalent		t	1.958
Diameter of refrigerant piping on liquid/gas	Indoor unit	mm (inches)	9.52(3/8") / 15.88(5/8")
	Outdoor unit		
Max splitting length		m	75
Max height difference I.U./O.U.		m	30
Split length without additional charge		m	5
Additional load		g/m	24

Indoor unit model			**2 x HUCU 351 ZAL**	**2 x HUCU 531 ZAL**	**2 x HUCI 711 ZA**
Outdoor unit model			**HCKI 711 ZA-1**	**HCSI 1081 ZA-1**	**HCSI 1401 ZA-1**
Type			DC-Inverter heat pump with 2 ducted indoor units		
Control (included)			Wired remote		
Operating limits (outside temperature)	Cooling	°C	-15~50		
	Heating	°C	-15~24		
Nominal data					
Rated capacity (T=+35°C)	Cooling	kW	7.03 (3.28~8.16)	10.55 (2.73~11.78)	14.07 (3.52~15.53)
Rated absorbed power (T=+35°C)		kW	2.19 (0.75~2.96)	4.00 (0.89~4.20)	4.80 (0.88~6.00)
Rated energy efficiency coefficient		EER[1]	3.21	2.64	2.93
Rated capacity (T=+7°C)	Heating	kW	7.62 (2.81~8.49)	11.72 (2.78~12.84)	16.12 (4.10~18.17)
Rated absorbed power (T=+7°C)		kW	1.90 (0.64~2.58)	3.25 (0.78~4.00)	4.50 (0.95~5.70)
Rated energy performance coefficient		COP[1]	4.01	3.61	3.58
Seasonal data					
Theoretical load (Pdesignc)	Cooling	kW	7.10	10.60	14.00
Seasonal energy efficiency index		SEER[2]	6.20	6.10	6.10
Seasonal energy efficiency class		626/2011[3]	A++	A++	A++
Annual energy consumption		kWh/a	401	608	803
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	5.40	8.80	11.50
Seasonal energy efficiency index		SCOP[2]	4.00	4.00	4.00
Seasonal energy efficiency class		626/2011[3]	A+	A+	A+
Annual energy consumption		kWh/a	1890	3080	4025
Electrical data					
Power supply	Outdoor unit	Ph-V-Hz	1Ph - 220/240V - 50Hz	3Ph - 380/415V - 50Hz	
Power cable		Type	3 x 4 mm[2]	5 x 2.5 mm[2]	5 x 4 mm[2]
Connection wires between I.U. and O.U.		no.	4	4	4
Absorbed current	Cooling	A	10.20 (4.20~13.20)	6.50 (1.40~6.70)	8.40 (1.90~10.40)
	Heating	A	9.20 (3.80~11.60)	5.30 (1.30~6.40)	8.00 (2.00~9.80)
Maximum current		A	19.00	10.00	13.00
Maximum absorbed power		kW	3.70	5.00	6.90
Refrigerant circuit					
Refrigerant[4]		Type (GWP)	R32 (675)		
Quantity refrigerant pre-load		Kg	1.5	2.4	2.9
Tons of CO2 equivalent		t	1.013	1.620	1.958
Diameter of refrigerant piping on liquid/gas	Indoor unit	mm (inches)	6.35(1/4") / 9.52(3/8")	6.35(1/4") / 12.74(1/2")	9.52(3/8") / 15.88(5/8")
	Outdoor unit		9.52(3/8") / 15.88(5/8")	9.52(3/8") / 15.88(5/8")	
Max splitting length		m	50	75	75
Max height difference I.U./O.U.		m	25	30	30
Split length without additional charge		m	5	5	5
Additional load		g/m	24	24	24

TWIN COMBINATIONS

Indoor unit model			**2 x HSFU 531 ZAL**	**2 x HSFI 711 ZA1**
Outdoor unit model			**HCSI 1081 ZA-1**	**HCSI 1401 ZA-1**
Type			DC-Inverter heat pump with 2 ceiling/floor indoor units	
Control (included)			Remote control	
Operating limits (outside temperature)	Cooling	°C	-15~50	
	Heating	°C	-15~24	
Nominal data				
Rated capacity (T=+35°C)	Cooling	kW	10.55 (2.73~11.78)	14.07 (3.52~15.24)
Rated absorbed power (T=+35°C)		kW	4.00 (0.89~4.30)	5.00 (0.90~5.95)
Rated energy efficiency coefficient		EER[1]	2.64	2.81
Rated capacity (T=+7°C)	Heating	kW	11.72 (2.81~12.78)	16.12 (4.10~17.00)
Rated absorbed power (T=+7°C)		kW	3.35 (0.78~3.95)	5.10 (1.00~6.05)
Rated energy performance coefficient		COP[1]	3.50	3.16
Seasonal data				
Theoretical load (Pdesignc)	Cooling	kW	10.50	14.00
Seasonal energy efficiency index		SEER[2]	6.40	6.10
Seasonal energy efficiency class		626/2011[3]	A++	A++
Annual energy consumption		kWh/a	574	803
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	8.60	11.20
Seasonal energy efficiency index		SCOP[2]	4.10	4.00
Seasonal energy efficiency class		626/2011[3]	A+	A+
Annual energy consumption		kWh/a	3150	4025
Electrical data				
Power supply	Outdoor unit	Ph-V-Hz	3Ph - 380/415V - 50Hz	
Power cable		Type	5 x 2.5 mm^2	5 x 4 mm^2
Connection wires between I.U. and O.U.		no.	4	4
Absorbed current	Cooling	A	6.30 (1.40~6.80)	8.80 (1.90~10.30)
	Heating	A	5.40 (1.30~6.20)	8.90 (2.10~10.50)
Maximum current		A	10.00	13.00
Maximum absorbed power		kW	5.00	6.90
Refrigerant circuit				
Refrigerant[4]		Type (GWP)	R32 (675)	
Quantity refrigerant pre-load		Kg	2.4	2.9
Tons of CO2 equivalent		t	1.620	1.958
Diameter of refrigerant piping on liquid/gas	Indoor unit	mm (inches)	6.35(1/4") / 12.74(1/2")	9.52(3/8") / 15.88(5/8")
	Outdoor unit		9.52(3/8") / 15.88(5/8")	
Max splitting length		m	75	75
Max height difference I.U./O.U.		m	30	30
Split length without additional charge		m	5	5
Additional load		g/m	24	24

For the specifications of the units, the connectable accessories and the optional parts, refer to the tables of the single models.
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.

The indoor units that can be used in the Twin combinations are the slim cassette, the medium static pressure ducted and the floor/ceiling combined with outdoor units HCKI 711 ZA-1, HCSI 1081 ZA-1, HCSI 1401 ZA-1.