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# 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 type indoor units	
Control (included)			Remote control	
Operating range (outdoor temperature)	Cooling	°C	-15~50	
	Heating	°C	-15~24	
<b>Nominal data</b>				
Rated capacity (T=+35°C)	Cooling	kW	12.93 (3.52~15.83)	
Rated absorbed power (T=+35°C)		kW	3.97 (0.80~5.90)	
Rated energy efficiency coefficient		EER1	3.26	
Rated capacity (T=+7°C)	Heating	kW	15.44 (4.10~17.29)	
Rated absorbed power (T=+7°C)		kW	4.14 (0.90~5.50)	
Rated energy performance coefficient		COP1	3.73	
<b>Seasonal data</b>				
Theoretical load (Pdesignc)	Cooling	kW	14.00	
Seasonal energy efficiency index		SEER2	6.10	
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A++	
Annual energy consumption		kWh/y	803	
Theoretical load (Pdesignh) @ -10°C	Heating (average climate conditions)	kW	11.00	
Seasonal energy efficiency index		SCOP2	4.00	
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A+	
Annual energy consumption		kWh/y	3850	
<b>Electrical data</b>				
Power supply	Outdoor unit	Ph-V-Hz	3Ph - 380/415V - 50Hz	
Power cable		Type	5 x 4 mm <sup>2</sup>	
Connection wires between I.U. and O.U.		no.	4	
Rated 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 current		kW	6.90	
<b>Refrigerant circuit</b>				
Refrigerant <sup>4</sup>		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 charge		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 type indoor units					
Control (included)			Wired remote control					
Operating range (outdoor temperature)	Cooling	°C	-15~50					
	Heating	°C	-15~24					
<b>Nominal data</b>								
Rated capacity (T=+35°C)	Cooling	kW	7.03 (3.28~8.16)	9.97 (2.73~11.78)	12.71 (3.52~15.53)			
Rated absorbed power (T=+35°C)		kW	2.18 (0.75~2.96)	3.04 (0.89~4.20)	3.90 (0.88~6.00)			
Rated energy efficiency coefficient		EER1	3.23	3.28	3.25			
Rated capacity (T=+7°C)	Heating	kW	7.62 (2.81~8.49)	11.25 (2.78~12.84)	15.03 (4.10~18.17)			
Rated absorbed power (T=+7°C)		kW	1.90 (0.64~2.58)	2.88 (0.78~4.00)	4.02 (0.95~5.70)			
Rated energy performance coefficient		COP1	4.01	3.91	3.74			
<b>Seasonal data</b>								
Theoretical load (Pdesignc)	Cooling	kW	7.10	10.60	14.00			
Seasonal energy efficiency index		SEER2	6.20	6.10	6.10			
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A++	A++	A++			
Annual energy consumption		kWh/y	401	608	803			
Theoretical load (Pdesignh) @ -10°C	Heating (average climate conditions)	kW	5.40	8.80	11.50			
Seasonal energy efficiency index		SCOP2	4.00	4.00	4.00			
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A+	A+	A+			
Annual energy consumption		kWh/y	1890	3080	4025			
<b>Electrical data</b>								
Power supply	Outdoor unit	Ph-V-Hz	1Ph - 220/240V - 50Hz	3Ph - 380/415V - 50Hz				
Power cable		Type	3 x 4 mm <sup>2</sup>	5 x 2.5 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>			
Connection wires between I.U. and O.U.		no.	4	4	4			
Rated 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			
<b>Refrigerant circuit</b>								
Refrigerant <sup>4</sup>		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 charge		g/m	24	24	24			

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# TWIN COMBINATIONS

Indoor unit model			2 x HSFU 531 ZAL	2 x HSFU 711 ZA1
Outdoor unit model			HCSI 1081 ZA-1	HCSI 1401 ZA-1
Type			DC-Inverter heat pump with 2 floor/ceiling type indoor units	
Control (included)			Remote control	
Operating range (outdoor temperature)	Cooling	°C	-15~50	
	Heating	°C	-15~24	
<b>Nominal data</b>				
Rated capacity (T=+35°C)	Cooling	kW	10.09 (2.73~11.78)	11.89 (3.52~15.24)
Rated absorbed power (T=+35°C)		kW	3.10 (0.89~4.30)	3.60 (0.90~5.95)
Rated energy efficiency coefficient		EER1	3.25	3.30
Rated capacity (T=+7°C)	Heating	kW	11.71 (2.81~12.78)	13.51 (4.10~17.00)
Rated absorbed power (T=+7°C)		kW	3.09 (0.78~3.95)	3.60 (1.00~6.05)
Rated energy performance coefficient		COP1	3.80	3.76
<b>Seasonal data</b>				
Theoretical load (Pdesignc)	Cooling	kW	10.50	14.00
Seasonal energy efficiency index		SEER2	6.40	6.10
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A++	A++
Annual energy consumption		kWh/y	574	803
Theoretical load (Pdesignh) @ -10°C	Heating (average climate conditions)	kW	8.60	11.20
Seasonal energy efficiency index		SCOP2	4.10	4.00
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A+	A+
Annual energy consumption		kWh/y	3150	4025
<b>Electrical data</b>				
Power supply	Outdoor unit	Ph-V-Hz	3Ph - 380/415V - 50Hz	
Power cable		Type	5 x 2.5 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>
Connection wires between I.U. and O.U.		no.	4	4
Rated absorbed power	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
<b>Refrigerant circuit</b>				
Refrigerant <sup>4</sup>		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")	
	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 charge		g/m	24	24

For the specifications of indoor/outdoor units, the connectable accessories and the optional parts, please refer to the Tables of Mono Models.

1. Value measured according to the harmonised standard EN14511. 2. EU Regulation No. 206/2012 - Value measured according to the harmonised standard EN14825. 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 higher than 1 kg of CO<sub>2</sub> 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 unit and the floor/ceiling unit combined with outdoor units HCKI 711 ZA-1, HCSI 1081 ZA-1, HCSI 1401 ZA-1.