

RESIDENTIAL AND COMMERCIAL R410A

SLIM CASSETTE 84x84

HTBI 710-1080-1400-1600 ZA



Infrared remote control



Main features

4 power levels: 7.03-15.53 kW.

Seasonal energy efficiency class in cooling/heating mode: A++/A+ (7.03-10.55 kW); A+/A+ (14.07-15.53 kW).

Operating range in cooling and heating: -15-50° C; -15-24° C.

Pre-set for external air intake.

Electrical box inside the unit body.

Condensate drain pump with possibility of raising the discharge up to 750 mm from the lower part of the unit.

Installation flexibility: up to 65 m splitting length and 30 m height difference between O.U. and I.U. (10.55-15.53 kW).



Indoor unit model			HTBI 710 ZA	HTBI 1080 ZA	HTBI 1400 ZA	HTBI 1600 ZA
Outdoor unit model			HCKI 711 XA-1	HCSI 1081 XA-1	HCSI 1401 XA-1	HCSI 1601 XA-1
Type	FULL DC-Inverter heat pump					
Control	Remote control					
Rated capacity (T=+35°C) Rated absorbed power (T=+35°C) Rated energy efficiency coefficient Seasonal energy efficiency class Seasonal energy efficiency index Annual energy consumption Theoretical load (Pdesignc)	Cooling	kW	7.03 (1.20~8.21)	10.55 (2.93~12.02)	14.07 (3.99~16.12)	15.53 (4.98~18.46)
		kW	2.17 (0.40~3.16)	4.06 (0.98~4.62)	5.39 (1.33~6.20)	6.40 (1.66~7.10)
		EER ³	3.24	2.60	2.61	2.43
		626/2011 ¹	A++	A++	A+	A+
		SEER ²	6.1	6.1	5.6	5.6
		kWh/a	402	602	875	950
Rated capacity (T=+7°C) Rated absorbed power (T=+7°C) Rated energy performance coefficient Energy efficiency class (intermediate climate season) Seasonal energy efficiency index (intermediate climate season) Annual energy consumption Theoretical load (Pdesignh)	Heating	kW	7.62 (1.20~8.65)	11.13 (2.64~13.19)	16.12 (4.19~17.59)	18.17 (5.28~20.51)
		kW	2.05 (0.40~3.09)	3.09 (0.88~4.69)	5.36 (1.40~6.77)	5.74 (1.76~7.32)
		COP ³	3.72	3.60	3.01	3.17
		626/2011 ¹	A+	A+	A+	A+
		SCOP ²	4.0	4.0	4.0	4.0
		kWh/a	1820	3535	4025	4025
Operating limits (external temperature)	Cooling	°C	-15~50			
	Heating	°C	-15~24			
Electrical data						
Power	Outdoor unit	Ph-V-Hz	1-220~240V-50HZ	3-380~415V-50HZ	3-380~415V-50HZ	3-380~415V-50HZ
Power cable		Type	3 x 4 mm ²	5 x 2.5 mm ²	5 x 2.5 mm ²	5 x 4 mm ²
Absorbed current (rated)	Cooling	A	9.9 (1.8~14.4)	7.0 (1.7~8.0)	9.3 (2.3~10.7)	11.0 (2.9~12.3)
	Heating	A	8.9 (1.8~14.1)	5.3 (1.5~8.1)	9.2 (2.1~11.7)	9.9 (3.0~12.6)
Maximum current		A	14.4	10	13	14
Maximum absorbed power		kW	2.95	5.30	6.10	7.50
Connection wires between I.U. and O.U.		no.	5 (2 of which shielded)			
Refrigerant circuit						
Refrigerant (GWP) ⁴	R410A (2088)					
Quantity refrigerant pre-load	Kg		1.95	3.2	4.00	4.3
Tons of CO2 equivalent	t		4.072	6.682	8.352	8.978
Diameter of refrigerant piping on liquid/gas	mm (inches)		ø9.52(3/8") - ø15.88(5/8")			
Max. splitting length	m		50	65	65	65
Max height difference I.U./O.U.	m		25	30	30	30
Splitting length without additional load	m		5	5	5	5
Additional load	g/m		30	30	30	30
Indoor unit specifications						
Dimensions	LxDxH	mm	840x840x245	840x840x245	840x840x287	840x840x287
	Net weight	Kg	23	27.5	29	29.7
Sound pressure level (I.U.)	Hi/Mi/Lo	dB(A)	47/43/40	52/49/46	52/50/49	53/50.5/48
Sound power level (I.U.)	Hi	dB(A)	61	62	64	68
Handled air volume	Hi/Mi/Lo	m ³ /h	1378/1200/1032	1775/1620/1438	1715/1568/1381	1970/1737/1537
Motor power (Output)		W	141	141	141	232
Outside diameter of condensate drain		mm	ø32	ø32	ø32	ø32
Specifications of outdoor units						
Dimensions	LxDxH	mm	845x363x702	946x410x810	952x410x1333	952x410x1333
	Net weight	Kg	49	78.9	108.1	112.8
Sound pressure level (O.U.)		dB(A)	60.5	62	65	62.5
Sound power level (O.U.)		dB(A)	65	69	73	75
Handled air (Max)		m ³ /h	2700	4300	6800	7200
Motor power (Output)		no. x W	1 x 115	1 x 150	2 x 126	2 x 126
Accessories						
Decorative panel					TBP 710 ZA	
Dimensions	LxDxH	mm	950x950x55			
	Net weight	Kg	5			
Optional parts						
Wired remote control	YES					
Manual centralized control	YES					
Wi-Fi centralized control	XRV Mobile BMS					

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 cooling fluid with a 2088 GWP. If 1 kg of this refrigerant was released into the atmosphere, then the impact on global warming would be 2088 times higher than 1 kg of CO2, for a period of 100 years. In no case should the user try to intervene on the refrigerant circuit or to disassemble the product. If necessary, always contact qualified personnel.