



# ACTIVE LINE DC INVERTER

## Comfort, well-being and air quality



### Sleep mode

It allows lowering energy consumption at night. In cooling mode, the system increases the ambient temperature within 2 hours, by 2° C (in heating mode the system lowers the temperature by 2° C). At the end of the 2 hours the fan of the indoor unit works at low speed. The system keeps the room temperature constant for the next 5 hours.



### Comfort care

ACTIVE air conditioners are equipped with a device that automatically regulates the temperature and moisture in the room.



### Silence mode

This function allows the operating speed of the compressor of the outdoor unit and the fan of the indoor unit to be reduced to a minimum, so as to reduce noise and energy consumption to a minimum.



### Refrigerant leak detection

Active only in cooling mode, it allows to identify compressor malfunctions following the refrigerant leak.



### Cold currents prevention

Through this function in heating mode, it is possible to avoid the introduction of cold air into the room following the defrost cycles.



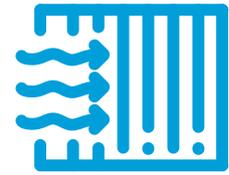
### Anti-freeze function 8° C

In the event of prolonged absence, a minimum temperature level can be guaranteed inside the rooms. By activating the anti-freeze function, when a temperature lower than 8° C is detected in the room, the system starts until this temperature is reached.



### 24H timer

This function allows users to select delayed air conditioner on and/or off within 24 hours, either via remote (standard) or via Wi-Fi (optional).



### High density filter

ACTIVE is equipped with high-density filters that ensure the removal of pollen and dust up to 80% and prolong the effect without impurities, to always have clean room air.

# RESIDENTIAL AND COMMERCIAL R32

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## ACTIVE LINE DC INVERTER

Wall HKEU 263-353-533-713 ZAL



- Cold catalyst filter
- Self-cleaning function
- Self-diagnosis function
- High density filter
- Standard remote control with built-in temperature sensor (Follow me function)

### Characteristics

**2.64-7.03 kW** | 4 available power levels

**A++/A+** | Seasonal energy efficiency class in cooling/heating mode

**7.1/4.0** (5.28 kW) | SEER/SCOP values

**-15-50° C** | **-25-30° C** | **Operating range in cooling and heating**

**21 dB(A)** (2.64 kW) | Extremely quiet

**22 dB(A)** (3.52 kW) | Extremely quiet

**Compact size** | Of the I.U. and O.U.

**Installation flexibility** | Up to 50 m splitting length and 25 m height difference between O.U. and I.U. (7.03 kW)



Indoor unit model	HKEU 263 ZAL		HKEU 353 ZAL		HKEU 533 ZAL		HKEU 713 ZAL	
Outdoor unit model	HCNI 263 ZA		HCNI 353 ZA		HCNI 533 ZA		HCNI 713 ZA	
<b>Type</b>								
Control (included)								
DC-Inverter heat pump								
Remote control								
Rated capacity (T=+35° C)	Cooling	kW	2.64 (0.91~3.40)	3.52 (1.11~4.16)	5.28 (1.82~6.13)	7.03 (2.08~7.95)		
Rated absorbed power (T=+35° C)		kW	0.71 (0.10~1.24)	1.24 (0.13~1.58)	1.54 (0.14~2.36)	2.35 (0.16~2.96)		
Rated energy efficiency coefficient		EER <sup>2</sup>	3.72	2.84	3.43	2.99		
Seasonal energy efficiency class		626/2011 <sup>1</sup>	A++	A++	A++	A++		
Seasonal energy efficiency index		SEER <sup>2</sup>	6.2	6.1	7.1	6.1		
Annual energy consumption		kWh/a	147	201	256	412		
Theoretical load (Pdesignc)	kW	2.6	3.5	5.2	7.0			
Rated capacity (T=+7° C)	Heating	kW	2.93 (0.82~3.37)	3.81 (1.08~4.22)	5.57 (1.38~6.74)	7.33 (1.61~8.79)		
Rated absorbed power (T=+7° C)		kW	0.74 (0.12~1.20)	0.96 (0.10~1.58)	1.48 (0.20~2.41)	2.04 (0.26~3.14)		
Rated energy performance coefficient		COP <sup>3</sup>	3.96	3.97	3.76	3.59		
Energy efficiency class (average season)		626/2011 <sup>1</sup>	A+	A+	A+	A+		
Seasonal energy efficiency class index (average season)		SCOP <sup>2</sup>	4.0	4.0	4.0	4.0		
Annual energy consumption		kWh/a	735	805	1435	1697		
Theoretical load (Pdesignh) @-10° C	kW	2.1	2.3	4.1	4.8			
Operating limits (external temperature)	Cooling	°C	-15~50					
	Heating	°C	-25~30					
<b>Electrical data</b>								
Power	Outdoor unit	Ph-V-Hz	1Ph - 220/240V - 50Hz					
Power cable	Type	3 x 2.5 mm <sup>2</sup>			3 x 4 mm <sup>2</sup>			
Connection wires between I.U. and O.U.	no.	5	5	5	5			
Rated absorbed current (min~max)	Cooling	A	3.10 (0.40~5.40)	5.40 (0.50~6.90)	6.90 (0.60~10.30)	10.20 (0.70~13.30)		
	Heating	A	3.20 (0.50~5.20)	4.20 (0.40~6.90)	6.40 (0.90~10.50)	10.20 (1.10~13.30)		
Maximum current	A	10	10	13.5	17.5			
Maximum absorbed power	kW	2.15	2.15	2.95	3.85			
<b>Refrigerant circuit</b>								
Refrigerant (GWP) <sup>4</sup>			R32 (675)	R32 (675)	R32 (675)	R32 (675)		
Quantity refrigerant pre-load	Kg	0.5	0.5	1.0	1.6			
Tons of CO2 equivalent	t	0.338	0.338	0.675	1.080			
Diameter of refrigerant piping on liquid/gas	mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")	ø9.52(3/8") - ø15.88(5/8")			
Max splitting length	m	25	25	30	50			
Max height difference I.U./O.U.	m	10	10	20	25			
Splitting length without added load	m	5	5	5	5			
Additional load	g/m	12	12	12	24			
<b>Indoor unit specifications</b>								
Dimensions	LxDxH	mm	805x194x285	805x194x285	957x213x302	1040x220x327		
Net weight	Kg	7.5	7.5	10	12.3			
Sound pressure level (I.U.)	Hi/Mi/Lo/U.Lo	dB(A)	40/30/26/21	40/34/26/22	44/37/30/25	44.5/42/34.5/28		
Sound power level (U.I.)	Hi	dB(A)	53	53	55	59		
Handled air volume	Hi/Mi/Lo	m <sup>3</sup> /h	520/460/360	600/500/360	840/680/540	980/817/662		
Motor power (Output)	W	40	40	36	58			
<b>Specifications of outdoor units</b>								
Dimensions	LxDxH	mm	700x275x550	700x275x550	800x333x554	845x363x702		
Net weight	Kg	22.7	22.7	34	51.5			
Sound pressure level (O.U.)	dB(A)	55.5	56	56	59.5			
Sound power level (O.U.)	dB(A)	61	65	61	67			
Handled air (Max)	m <sup>3</sup> /h	1700	1700	2500	3000			
Motor power (Output)	no. x W	66	66	63	115			
<b>Optional parts</b>								
Wired remote control							NO	
Centralised control							NO	
Wi-Fi module							HKM-WIFI	

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 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 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.