



## 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.



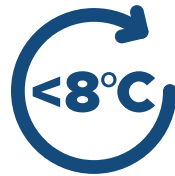
### Refrigerant leak detection

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.



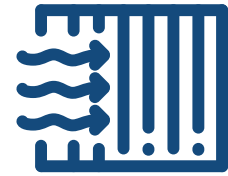
### Anti-freeze function 8° C

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 R410A

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## ACTIVE LINE DC INVERTER

Wall HKEU 263-353 XAL-1



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

### Characteristics

**2.59~3.33 kW** | 2 available power levels

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

**6.1/4.0** | SEER/SCOP values

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

**22.5 dB(A)** (2.59 kW) | Extremely quiet

**23 dB(A)** (3.33 kW) | Extremely quiet

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

**Installation flexibility** | Up to 25 m splitting length and 10 m height difference between O.U. and I.U.



Indoor unit model		HKEU 263 XAL-1		HKEU 353 XAL-1	
Outdoor unit model		HCNI 263 XA		HCNI 353 XA	
Type		DC-Inverter heat pump			
Control (included)		Remote control			
Rated capacity (T=35°C)	Cooling	kW	2.59 (1.02~3.22)	3.33 (1.08~4.10)	
Rated absorbed power (T=35°C)		kW	0.76 (0.10~1.24)	1.24 (0.10~1.58)	
Rated energy efficiency coefficient		EER <sup>3</sup>	3.42	2.69	
Seasonal energy efficiency class		626/2011 <sup>1</sup>	A++	A++	
Seasonal energy efficiency index		SEER <sup>2</sup>	6.1	6.1	
Annual energy consumption		kWh/a	143	189	
Theoretical load (Pdesignc)		kW	2.5	3.3	
Rated capacity (T=7°C)	Heating	kW	2.98 (0.82~3.37)	3.74 (0.88~4.22)	
Rated absorbed power (T=7°C)		kW	0.79 (0.12~1.20)	1.26 (0.13~1.51)	
Rated energy performance coefficient		COP <sup>3</sup>	3.76	2.96	
Energy efficiency class (average season)		626/2011 <sup>1</sup>	A+	A+	
Seasonal energy efficiency class index (average season)		SCOP <sup>2</sup>	4.0	4.0	
Annual energy consumption		kWh/a	770	805	
Theoretical load (Pdesignh) @-10° C		kW	2.2	2.3	
Operating limits (outside temp.)	Cooling	°C	-15~50		
	Heating	°C	-15~30		
<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>		
Connection wires between I.U. and O.U.		no.	5 x 1.5 mm <sup>2</sup>		
Rated absorbed current (min~max)	Cooling	A	3.10 (0.40~5.40)	5.40 (0.40~6.90)	
	Heating	A	3.20 (0.50~5.20)	5.20 (0.60~6.60)	
Maximum current		A	9.5	10	
Maximum absorbed power		kW	2.1	2.2	
<b>Refrigerant circuit</b>					
Refrigerant (GWP) <sup>4</sup>			R410A (2088)	R410A (2088)	
Quantity refrigerant pre-load		Kg	0.8	0.8	
Tons of CO2 equivalent		t	1.670	1.670	
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")	
Max splitting length		m	25	25	
Max height difference I.U./O.U.		m	10	10	
Splitting length without additional load		m	5	5	
Additional load		g/m	15	15	
<b>Indoor unit specifications</b>					
Dimensions	LxDxH	mm	715x194x285	805x194x285	
Net weight		Kg	7.3	7.8	
Sound pressure level (I.U.)	Hi/Mi/Lo/Ulo	dB(A)	40/34/29.5/22.5	41/36/28/23	
Sound power level (I.U.)	Hi	dB(A)	53	53	
Handled air volume	Hi/Mi/Lo	m <sup>3</sup> /h	420/320/270	570/470/370	
Motor power (Output)		W	40	40	
<b>Specifications of outdoor units</b>					
Dimensions	LxDxH	mm	770x300x555	770x300x555	
Net weight		Kg	26	26.3	
Sound pressure level (O.U.)		dB(A)	55.5	56	
Sound power level (O.U.)		dB(A)	61	61	
Handled air (Max)		m <sup>3</sup> /h	1800	1800	
Motor power (Output)		no. x W	40	40	
<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 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.