



# RESIDENTIAL AND COMMERCIAL R32





## WELL-BEING FOR YOUR HOME



The most demanding customers, in tune with technological evolution and the benefits deriving from it as well as respect for the environment, will find a concrete answer in the new **RESIDENTIAL R32** line. This line offers a selection of the best available on the market today for residential environment installations.

## RESIDENTIAL AND COMMERCIAL R32



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RESPONSIBLE CHOICE

# WELL-BEING FOR PEOPLE AND THE PLANET



REDUCED BY THE  
GREENHOUSE  
EFFECT



LESS  
ENVIRONMENTAL  
IMPACT

## WHAT IS REFRIGERANT R32 GAS?

The specific name of the R32 gas is difluoromethane. Currently, it is present among the low-value GWP fluorinated gases, equal to 675, and is used in air-conditioning units intended for residential use.

There is no obligation to replace the current R410A gas, which therefore remains regularly on the market, except in monosplit applications with refrigerant <3 kg where, starting from 2025, the use of gas with GWP<750 will be mandatory for new installations.

There are certain limitations in particular conditions of use that must be considered in accordance with the Regulations in force.

## ADVANTAGES OF R32 GAS

- R32 has a GWP of 675 - 68% less than R410A gas with GWP 2088.
- It requires 20% less charge than R410A gas.
- It is more efficient than the R410A gas, from 3% to 5%.
- It allows the threshold to be overcome which obliges a characteristic leakage control limit today of 2.4 kg for R410A gas.

## WARNINGS FOR USE

When storing units containing R32, it may be necessary, depending on the quantities stored, to revise the Fire Prevention Certificate to guarantee the validity of its insurance guarantee (Presidential Decree 151/2011). The transport of dangerous goods is regulated by Leg. Decree 35/2010. R32 has been classified as slightly flammable by ISO 817 and as such has no stringent restrictions on road transport (ADR in force), maintaining a strict regulation in maritime (IMDG in force) and aeronautical transport (IATA in force).

The EN 378:2016 standard regulates the applications of appliances using R32 gas. The maximum concentration limits of gas in residential applications must always be verified, with particular regard to multisplit systems that can potentially concentrate (in case of leakage) high quantities of refrigerant in small-sized environments. R32 gas is heavier than air and accumulates in the event of a leak. Indoor units therefore follow different normative parameters depending on the type of application. Installation in public buildings is regulated by specific standards concerning the application of appliances with flammable gases, such as: Min. Decree for Hotels 09/04/1994, Min. Decree for shopping centres 27/07/2010, Min. Decree for buildings for shows 19/08/1996, Min. Decree for hospitals 18/09/2012, Min. Decree for schools 26/08/1992, Min. Decree for offices 22/02/2006, Min. Decree for games for children 16/07/2014, Min. Decree for airports 07/07/2014, Min. Decree for interports 18/07/2014.

The design, installation and maintenance of appliances with R32 gas are regulated by the provisions of Ministerial Decree 37/2008 provisions concerning the installation of plants inside buildings, Leg. Decree 81/2008 text on health and safety at work, F-gas 517/2014 regulation of fluorinated gases, Presidential Decree 151/2011 governing the procedures relating to fire prevention, EN 378:2016 refrigeration systems and heat pumps - Requirements for plant safety. Scrupulous checking of existing regulations is recommended when using equipment containing R32 gas. Failure to comply with these regulations requires the designers and installers of equipment with R32 to have a direct legal responsibility for their application.

# HOKKAIDO HKM-WIFI APP

# SIMPLIFY YOUR LIFESTYLE

## FRENZIED LIFESTYLE

Hokkaido Wi-Fi can communicate with your air conditioning system, letting you regulate the climate in your home while you carry out your day-to-day activities. Have you set your air conditioning system to turn on when you get home from work but decide to go out for dinner?

With the Hokkaido Wi-Fi App, you can easily change the timer or turn on/off the air conditioning system remotely, saving money.

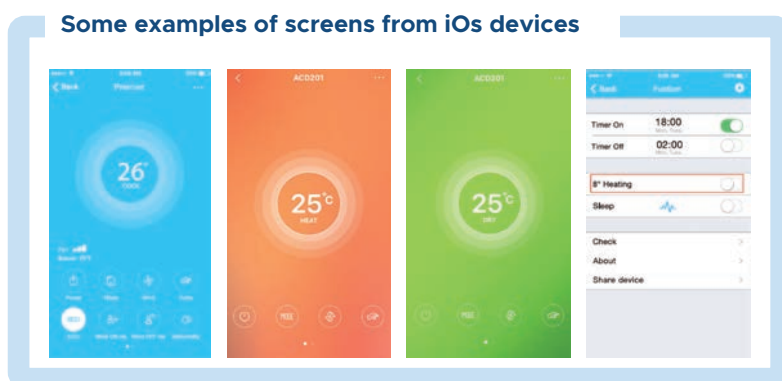
## EXPERT SAVERS

The Hokkaido Wi-Fi features help you save money and energy. Did you ever go back to a home that was too hot or too cold and turn the air conditioning system on at maximum?

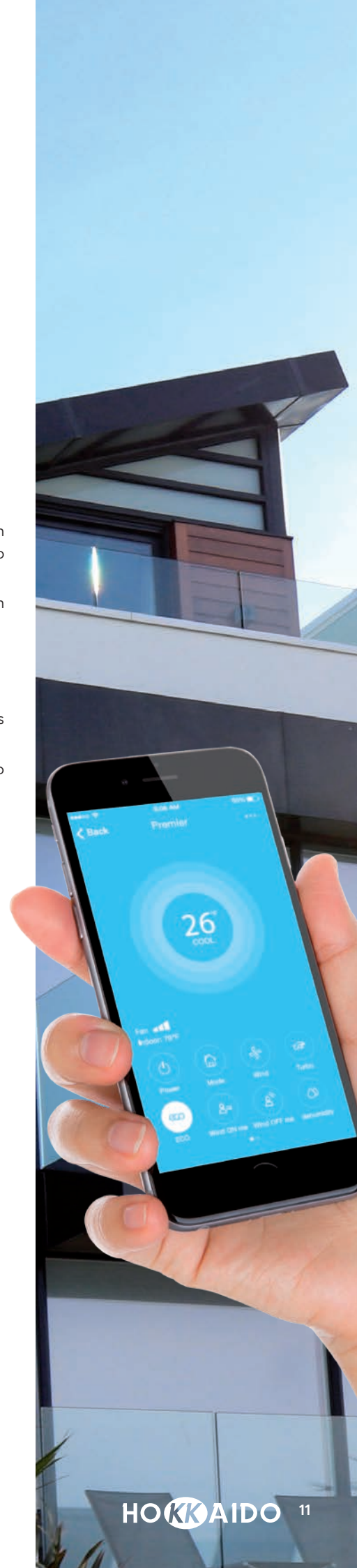
Using the Hokkaido App, you can turn on the air conditioning system while you're on your way back to gradually heat or cool your home. Same results, greater savings.



Available for Android devices from the Google Play Store.



Available for iOS devices from the Apple App Store.



# RESIDENTIAL AND COMMERCIAL R32 - LINE UP

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## MONOSPLIT

		kW	2.60	3.50	5.30	7.10	8.80	10.80	12.30	14.00	16.00
<b>V-DESIGN DC INVERTER</b>											
Wall			HKEU ZAL-B*	HKEU ZAL-B*							
<b>TOP CLASS DC INVERTER</b>											
Wall			HKEU ZAL*	HKEU ZAL*							
<b>ACTIVE LINE DC INVERTER</b>											
Wall			HKEU ZAL*	HKEU ZAL*	HKEU ZAL*	HKEU ZAL*					
<b>COMMERCIAL</b>											
Console				HFIU ZAL*							
Compact Cassette				HTFU ZAL*	HTFU ZAL*						
Slim Cassette 84x84						HTBI ZA	HTBI ZA	HTBI ZA	HTBI ZA	HTBI ZA	HTBI ZA
Ducted with medium head Pa				HUCU ZAL*	HUCU ZAL*	HUCI ZA	HUCI ZA	HUCI ZA	HUCI ZA	HUCI ZA	HUCI ZA
Floor/ceiling					HSFU ZAL*	HSFI ZA1	HSFI ZA1	HSFI ZA1	HSFI ZA1	HSFI ZA1	HSFI ZA1

















\* Can also be installed in multisplit version.

Performance and consumption are based on the following test conditions. O.T. heating 7° C DB, 6° C WB and - I.T. 20° C DB. Cooling: O.T. 35° C DB, 24° C WB - I.T. 27° C DB, 19° C WB (ISO T1).

# RESIDENTIAL AND COMMERCIAL R32 - LINE UP

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## MULTISPLIT


kW		4.10	5.28	6.15	7.91	8.21	10.55	12.31
Number of connectable I.U.		2	2	3	3	4	4	5
							NEW	NEW
								
		HCKU 470 Z2	HCKU 530 Z2	HCKU 600 Z3	HCKU 760 Z3	HCKU 810 Z4	HCKU 1060 Z4	HCKU 1200 Z5
NEW 	HKEU 262 ZAL-B	•	•	•	•	•	•	•
	HKEU 352 ZAL-B	•	•	•	•	•	•	•
	HKEU 264 ZAL	•	•	•	•	•	•	•
	HKEU 354 ZAL	•	•	•	•	•	•	•
NEW 	HKEU 203 ZL	•	•	•	•	•	•	•
	HKEU 263 ZAL	•	•	•	•	•	•	•
	HKEU 353 ZAL	•	•	•	•	•	•	•
	HKEU 533 ZAL	•	•	•	•	•	•	•
	HKEU 713 ZAL						•	•
NEW 	HFIU 260 ZL	•	•	•	•	•	•	•
	HFIU 350 ZAL	•	•	•	•	•	•	•
NEW 	HTFU 260 ZL	•	•	•	•	•	•	•
	HTFU 350 ZAL	•	•	•	•	•	•	•
	HTFU 530 ZAL	•	•	•	•	•	•	•
NEW 	HUCU 260 ZL	•	•	•	•	•	•	•
	HUCU 350 ZAL	•	•	•	•	•	•	•
	HUCU 530 ZAL	•	•	•	•	•	•	•
NEW 	HSFU 530 ZAL	•	•	•	•	•	•	•

Performance and consumption are based on the following test conditions. O.T. heating 7° C DB, 6° C WB and - I.T. 20° C DB. Cooling: O.T. 35° C DB, 24° C WB - I.T. 27° C DB, 19° C WB (ISO T1).



# V-DESIGN DC INVERTER

## Clean air, design, high performance



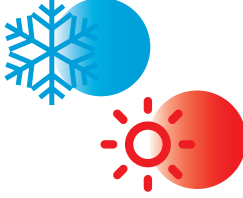
### Turbo function

In both cooling and heating modes, Turbo function allows the user to quickly reach desired temperature to quickly cool or heat rooms.



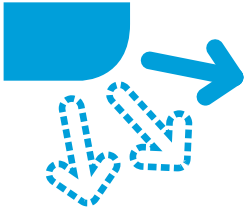
### High density filter

These remove dust and pollen by up to 80%, improving room air quality.



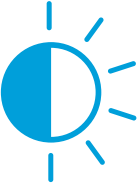
### Light effects

The V-DESIGN colour display allows for at-a-glance understanding of which operating mode is activated on the unit (blue light for cooling, orange light for heating).



### Storing air flow louvre position

When the V-Design is switched back on, this function allows the horizontal deflector to maintain the same angle tilt used and stored during the last machine use.



### Auto-brightness

When the room light is off, the display goes dark slowly after 5s, the fan speed is reduced and the buzzer goes into silent mode. When the room is back to light, these functions resume automatically according to normal operation.



### Wi-Fi control

Conveniently control air conditioners via smartphone. HKM-Wi-Fi is a simple, intuitive app that allows users to control air conditioning wherever you are. Available for iOS and Android.



### Simplicity of installation

The condensate drain pipe is characterised by flexibility and the possibility of two applications (right and left). The new layout of the indoor unit mounting brackets makes wall application more secure.



### Simplicity of maintenance

V DESIGN wall unit design facilitates all maintenance, disassembly and cleaning operations.

# RESIDENTIAL AND COMMERCIAL R32

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## V-DESIGN DC INVERTER

Wall HKEU 262-352 ZAL-B Dark silver



NEW



Standard remote control with built-in temperature sensor (Follow me function)

### Characteristics

**2.64-3.52 kW** | 2 available power levels

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

**6.7/4.0** (2.64 kW) | SEER/SCOP values

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

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

**182 mm deep** | Compact dimensions

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



Indoor unit model			HKEU 262 ZAL-B	HKEU 352 ZAL-B
Outdoor unit model			HCNI 262 ZA	HCNI 352 ZA
Type			DC-Inverter heat pump	
Control (included)			Remote control	
Rated capacity (T=35°C)	Cooling	kW	2.64 (1.23~3.30)	3.52 (1.39~4.44)
Rated absorbed power (T=35°C)		kW	0.71 (0.10~1.26)	1.21 (0.13~1.43)
Rated energy efficiency coefficient		EER <sup>3</sup>	3.72	2.91
Seasonal energy efficiency class		626/2011 <sup>1</sup>	A++	A++
Seasonal energy efficiency index		SEER <sup>2</sup>	6.7	6.1
Annual energy consumption		kWh/a	141	206
Theoretical load (Pdesignc)		kW	2.7	3.5
Rated capacity (T=7°C)	Heating	kW	2.93 (0.85~3.72)	3.81 (1.23~4.36)
Rated absorbed power (T=7°C)		kW	0.77 (0.13~1.32)	1.34 (0.11~1.34)
Rated energy performance coefficient		COP <sup>3</sup>	3.80	2.84
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	1015	1015
Theoretical load (Pdesignh) @-10° C		kW	2.9	2.9
Operating limits (external temperature)	Cooling	°C	-15~50	-15~50
	Heating	°C	-15~30	-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	5
Rated absorbed current (min~max)	Cooling	A	3.1 (0.4~5.5)	5.3 (0.6~6.2)
	Heating	A	3.4 (0.5~5.7)	4.9 (0.5~5.8)
Maximum current		A	10	10
Maximum absorbed power		kW	2.2	2.2
<b>Refrigerant circuit</b>				
Refrigerant (GWP) <sup>4</sup>			R32 (675)	R32 (675)
Quantity refrigerant pre-load		Kg	0.8	0.8
Tons of CO2 equivalent		t	0.540	0.540
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	12	12
<b>Indoor unit specifications</b>				
Dimensions	LxDxH	mm	897x182x312	897x182x312
Net weight		Kg	9.9	9.9
Sound pressure level (I.U.)	Hi/Mi/Lo	dB(A)	37.5/26/21	37.5/26/21
Sound power level (I.U.)	Hi	dB(A)	50	50
Handled air volume	Hi/Mi/Lo	m <sup>3</sup> /h	530/421/305	530/421/305
Motor power (Output)		W	20	20
<b>Specifications of outdoor units</b>				
Dimensions	LxDxH	mm	770x300x555	770x300x555
Net weight		Kg	27	27
Sound pressure level (O.U.)		dB(A)	54	54
Sound power level (O.U.)		dB(A)	63	63
Handled air (Max)		m <sup>3</sup> /h	2000	2000
Motor power (Output)		W	63	63
<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.





# TOP CLASS DC INVERTER

## Wall



### 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.



### 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).



### 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.



### 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.



### 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.

# RESIDENTIAL AND COMMERCIAL R32

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## TOP CLASS DC INVERTER

Wall HKEU 264-354 ZAL



- "3D" air diffusion
- Photocatalytic filter
- Louvre position memorization function
- Standard remote control with built-in temperature sensor (Follow me function)

### Characteristics

**2.64-3.52 kW** | 2 available power levels

**A+++/A++** (2.64 kW) | **A++/A++** (3.52 kW)  
Seasonal energy efficiency class in cooling/heating mode

**8.5/4.6** (2.64 kW) | SEER/SCOP values

**-15-43° C** | **-30-30° C** | Operating range in cooling and heating

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

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

**189 mm deep** | Compact dimensions

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

**Tax deductions** and **Thermal account** | Tax benefits



Indoor unit model		HKEU 264 ZAL		HKEU 354 ZAL	
Outdoor unit model		HCNI 264 ZA		HCNI 354 ZA	
Type		DC-Inverter heat pump			
Control (included)		Remote control			
Rated capacity (T=+35° C)	Cooling	kW	2.64 (0.91~4.40)	3.52 (0.93~4.75)	
Rated absorbed power (T=+35° C)		kW	0.60 (0.05~1.55)	0.98 (0.05~1.59)	
Rated energy efficiency coefficient		EER <sup>3</sup>	4.40	3.59	
Seasonal energy efficiency class		626/2011 <sup>1</sup>	A+++	A++	
Seasonal energy efficiency index		SEER <sup>2</sup>	8.5	8.1	
Annual energy consumption	Heating	kWh/a	111	155	
Theoretical load (Pdesignc)		kW	2.7	3.5	
Rated capacity (T=+7° C)		kW	2.86 (0.79~6.30)	3.81 (0.98~6.50)	
Rated absorbed power (T=+7° C)		kW	0.65 (0.14~2.10)	1.026 (0.17~2.13)	
Rated energy performance coefficient		COP <sup>3</sup>	4.42	3.71	
Energy efficiency class (average season)	626/2011 <sup>1</sup>	A++	A++		
Seasonal energy efficiency class index (average season)	SCOP <sup>2</sup>	4.6	4.6		
Annual energy consumption	kWh/a	792	852		
Theoretical load (Pdesignh) @-10° C	kW	2.2	2.8		
Operating limits (external temperature)	Cooling	°C	-15~43	-15~43	
	Heating	°C	-30~30	-30~30	
<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	5	
Rated absorbed current (min~max)	Cooling	A	4.00 (0.50~7.00)	4.20 (0.50~7.00)	
	Heating	A	4.20 (1.00~9.20)	4.50 (1.20~9.40)	
Maximum current		A	10	10	
Maximum absorbed power		kW	2.35	2.35	
<b>Refrigerant circuit</b>					
Refrigerant (GWP) <sup>4</sup>			R32 (675)	R32 (675)	
Quantity refrigerant pre-load		Kg	0.87	0.87	
Tons of CO2 equivalent		t	0.587	0.587	
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 added load		m	5	5	
Additional load		g/m	12	12	
<b>Indoor unit specifications</b>					
Dimensions	LxDxH	mm	802x189x297	802x189x297	
Net weight		Kg	8.5	8.5	
Sound pressure level (I.U.)	Hi/Mi/Lo/ULo	dB(A)	42/35/25/21.5	42/35/25/22	
Sound power level (U.I.)	Hi	dB(A)	56	56	
Handled air volume	Hi/Mi/Lo	m <sup>3</sup> /h	611/479/360	611/479/360	
Motor power (Output)		W	50	50	
<b>Specifications of outdoor units</b>					
Dimensions	LxDxH	mm	800x333x554	800x333x554	
Net weight		Kg	34.7	34.7	
Sound pressure level (O.U.)		dB(A)	55.5	55.5	
Sound power level (O.U.)		dB(A)	64	65	
Handled air (Max)		m <sup>3</sup> /h	2000	2000	
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 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.



# 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.



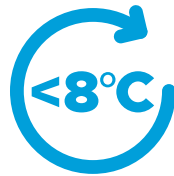
### Refrigerant leak detection

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.



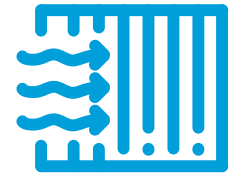
### Anti-freeze function 8° C

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.

## RESIDENTIAL AND COMMERCIAL R32

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# CONSOLE

HFU 350 ZAL



4 air distribution inlets for increased system energy efficiency



Standard remote control with built-in temperature sensor (Follow me function)

### Characteristics

**3.52 kW** | 1 available power level

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

**7.7/4.3** | SEER/SCOP values

**-15~50° C** | **-15~24° C** | Operating range in cooling and heating

**210 mm deep** | Compact size

Double air distribution mode

Anti-formaldehyde filter supplied

**Installation flexibility** | Up to 25 m splitting length

**Tax deductions** and **Thermal account** | Tax benefits



<b>Indoor unit model</b>			HFU 350 ZAL
<b>Outdoor unit model</b>			HCKI 350 ZA
<b>Type</b>			FULL DC-Inverter heat pump
Control (included)			Remote control
Rated capacity (T=+35° C)	Cooling	kW	3.52 (0.77~3.81)
Rated absorbed power (T=+35° C)		kW	0.92 (0.17~1.84)
Rated energy efficiency coefficient		EER <sup>3</sup>	3.83
Seasonal energy efficiency class		626/2011 <sup>1</sup>	A++
Seasonal energy efficiency index		SEER <sup>2</sup>	7.7
Annual energy consumption		kWh/a	159
Theoretical load (Pdesignc)		kW	3.5
Rated capacity (T=+7° C)	Heating	kW	3.81 (0.46~4.34)
Rated absorbed power (T=+7° C)		kW	1.02 (0.15~1.47)
Rated energy performance coefficient		COP <sup>3</sup>	3.74
Energy efficiency class (average season)		626/2011 <sup>1</sup>	A+
Seasonal energy efficiency class index (average season)		SCOP <sup>2</sup>	4.3
Annual energy consumption		kWh/a	1042
Theoretical load (Pdesignh) @-10° C		kW	3.2
Operating limits (external temperature)	Cooling	°C	-15~50
	Heating	°C	-15~24
<b>Electrical data</b>			
Power	Outdoor unit	Ph-V-Hz	1-220~240V-50HZ
Power cable		Type	3 x 2.5 mm <sup>2</sup>
Connection wires between I.U and O.U.		no.	4
Rated absorbed current (min~max)	Cooling	A	4.10 (1.40~8.10)
	Heating	A	4.50 (1.20~6.50)
Maximum current		A	10
Maximum absorbed power		kW	2.35
<b>Refrigerant circuit</b>			
Refrigerant (GWP) <sup>4</sup>			R32 (675)
Quantity refrigerant pre-load		Kg	0.87
Tons of CO2 equivalent		t	0.587
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")
Max. splitting length		m	25
Max height difference I.U./O.U.		m	10
Splitting length without additional load		m	5
Additional load		g/m	12
<b>Indoor unit specifications</b>			
Dimensions	LxDxH	mm	700xx210x600
Net weight		Kg	14.8
Sound pressure level (I.U.)	Hi/Mi/Lo	dB(A)	43/41.5/35
Sound power level (U.I.)	Hi	dB(A)	58
Handled air volume	Hi/Mi/Lo	m <sup>3</sup> /h	512/480/370
Motor power (Output)		W	67
Outside diameter of condensate drain		mm	ø16
<b>Specifications of outdoor units</b>			
Dimensions	LxDxH	mm	800x333x554
Net weight		Kg	34.7
Sound pressure level (O.U.)		dB(A)	55.5
Sound power level (O.U.)		dB(A)	63
Handled air (Max)		m <sup>3</sup> /h	2000
Motor power (Output)		W	40
<b>Optional parts</b>			
Wired remote control			YES
Manual centralized control	Requires NIM-GRH interface		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 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.

# RESIDENTIAL AND COMMERCIAL R32

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## COMPACT CASSETTE 60x60

HTFU 350-530 ZAL



Standard remote control with built-in temperature sensor (Follow me function)

### Characteristics

**3.52-5.28 kW** | 2 available power levels

**A++/A++** (3.52 kW) | **A++/A+** (5.28 kW)  
Seasonal energy efficiency classes in cooling/heating mode

**7.8/4.6** (3.52 kW) | SEER/SCOP values

**-15-50° C** | **-15-24° C** | Operating range in cooling and heating

**260 mm in height** | Compact size

TFP 200 IHRS panel with 360° air diffusion

Pre-set for external air inlet

Electrical box inside the unit body

Condensate drain pump with possibility of raising the discharge up to 750 mm from the lower height

**Tax deductions** and **Thermal account** | Tax benefits



Indoor unit model			HTFU 350 ZAL	HTFU 530 ZAL
Outdoor unit model			HCKI 350 ZA	HCKI 530 ZA
Type			FULL DC-Inverter heat pump	
Control (included)			Remote control	
Rated capacity (T=35°C)	Cooling	kW	3.52 (1.52~5.28)	5.28 (2.90~5.74)
		kW	0.85 (0.35~1.60)	1.63 (0.72~1.86)
		EER <sup>3</sup>	4.14	3.24
		626/2011 <sup>1</sup>	A++	A++
		SEER <sup>2</sup>	7.8	6.1
		kWh/a	157	304
Rated capacity (T=7°C)	Heating	kW	4.40 (1.03~5.57)	5.42 (2.37~6.10)
		kW	1.10 (0.31~1.80)	1.46 (0.70~1.93)
		COP <sup>3</sup>	4.00	3.71
		626/2011 <sup>1</sup>	A++	A+
		SCOP <sup>2</sup>	4.6	4.0
		kWh/a	959	1470
Operating limits (external temperature)	Cooling	°C	-15~50	-15~50
	Heating	°C	-15~24	-15~24
<b>Electrical data</b>				
Power	Outdoor unit	Ph-V-Hz	1-220~240V-50HZ	1-220~240V-50HZ
Power cable		Type	3 x 2.5 mm <sup>2</sup>	3 x 4.0 mm <sup>2</sup>
Connection wires between I.U and O.U.		no.	5	4
Rated absorbed current (min~max)	Cooling	A	3.80 (1.60~7.10)	7.20 (3.20~8.20)
	Heating	A	5.00 (1.40~7.90)	6.40 (3.10~8.50)
Maximum current		A	10	13.5
Maximum absorbed power		kW	2.35	2.95
<b>Refrigerant circuit</b>				
Refrigerant (GWP) <sup>4</sup>			R32 (675)	R32 (675)
Quantity refrigerant pre-load		Kg	0.87	1.15
Tons of CO2 equivalent		t	0.587	0.776
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")
Max splitting length		m	25	30
Max height difference I.U./O.U.		m	10	20
Splitting length without additional load		m	5	5
Additional load		g/m	12	12
<b>Indoor unit specifications</b>				
Dimensions	LxDxH	mm	570x570x260	570x570x260
Net weight		Kg	16.2	16.2
Sound pressure level (I.U.)	Hi/Mi/Lo	dB(A)	41/36/33	42.5/39/35.5
Sound power level (U.I.)	Hi	dB(A)	51	56
Handled air volume	Hi/Mi/Lo	m <sup>3</sup> /h	617/504/416	720/625/540
Motor power (Output)		W	45	45
Outside diameter of condensate drain		mm	ø25	ø25
<b>Specifications of outdoor units</b>				
Dimensions	LxDxH	mm	800x333x554	800x333x554
Net weight		Kg	34.7	33.7
Sound pressure level (O.U.)		dB(A)	55.5	55
Sound power level (O.U.)		dB(A)	63	63
Handled air (Max)		m <sup>3</sup> /h	2000	2000
Motor power (Output)		W	40	57
<b>Accessories</b>				
<b>Decorative panel</b>			TFP 200 ZA	
Dimensions	LxDxH	mm	647x647x50	
Net weight		Kg	2.5	
<b>Optional parts</b>				
Wired remote control			YES	
Manual centralized control			YES	
Wi-Fi centralized control			XRV Mobile BMS	

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# RESIDENTIAL AND COMMERCIAL R32

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## SLIM CASSETTE 84x84

HTBI 710-1080-1400-1600 ZA



Standard remote control with built-in temperature sensor (Follow me function)

### Characteristics

**7.03-11.40 kW** | 3 single phase power levels

**10.55-15.53 kW** | 3 three-phase power levels

**A++/A+** (single phase 7.03 kW | three-phase 10.55-15.53 kW)  
Seasonal energy efficiency classes in cool./heat.

**-15-50° C** | **-15-24° C** | Operating range in cooling and heating

Pre-set for external air inlet

Electrical box inside the unit body

Condensate drain pump with possibility of raising the discharge up to 750 mm from the lower height

**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 1080 ZA	HTBI 1400 ZA	HTBI 1600 ZA
Outdoor unit model			HCKI 710 ZA	HCKI 880 ZA	HCKI 1200 ZA	HCSI 1080 ZA	HCSI 1400 ZA	HCSI 1600 ZA
Type	FULL DC-Inverter heat pump							
Control (included)	Remote control							
Rated capacity (T=35°C)	Cooling	kW	7.03 (3.22~8.21)	8.79 (4.04~10.02)	11.40 (4.75~13.19)	10.55 (4.04~12.02)	14.07 (4.75~14.58)	15.53 (5.28~16.71)
Rated absorbed power (T=35°C)		kW	2.19 (0.48-2.85)	2.93 (0.89~4.20)	3.77 (1.16~4.79)	3.95 (0.89~4.50)	5.13 (1.17~5.60)	5.95 (1.15~6.68)
Rated energy efficiency coefficient		EER <sup>3</sup>	3.21	3.00	3.02	2.67	2.74	2.61
Seasonal energy efficiency class		626/2011 <sup>1</sup>	A++	A++	A+	A++	A++	A++
Seasonal energy efficiency index		SEER <sup>2</sup>	6.1	6.5	5.9	6.1	6.1	6.1
Annual energy consumption	kWh/a	402	479	694	602	805	901	
Theoretical load (Pdesignc)	kW	7.0	8.9	11.7	10.5	14.0	15.7	
Rated capacity (T=7°C)	Heating	kW	7.62 (2.43~8.65)	9.82 (2.94~11.48)	13.20 (3.93~15.03)	11.14 (2.95~14.14)	16.12 (3.93~16.77)	18.17 (4.40~19.34)
Rated absorbed power (T=7°C)		kW	2.05 (0.50-2.88)	2.42 (0.72~4.15)	3.76 (0.99~4.38)	3.00 (0.72~4.75)	5.05 (0.99~5.38)	6.04 (1.02~6.45)
Rated energy performance coefficient		COP <sup>3</sup>	3.71	4.06	3.51	3.71	3.19	3.01
Energy efficiency class (average season)		626/2011 <sup>1</sup>	A+	A	A	A+	A+	A+
Seasonal energy efficiency class index (average season)		SCOP <sup>2</sup>	4.0	3.8	3.9	4.0	4.0	4.0
Annual energy consumption	kWh/a	1890	2653	3303	2835	3920	4165	
Theoretical load (Pdesignh) @-10° C	kW	5.4	7.2	9.2	8.1	11.2	11.9	
Operating limits (external temperature)	Cooling	°C	-15~50					
	Heating	°C	-15~24					
<b>Electrical data</b>								
Power	Outdoor unit	Ph-V-Hz	1-220~240V-50HZ			3-380~415V-50HZ		
Power cable		Type	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	3 x 6 mm <sup>2</sup>	5 x 2.5 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.	5 (2 of which shielded)					
Rated absorbed current (min~max)	Cooling	A	9.50 (2.10-12.40)	12.90 (3.90~18.20)	16.50 (5.30~20.80)	6.60 (3.90~8.20)	8.30 (1.80~9.30)	9.80 (1.80~11.60)
	Heating	A	8.90 (2.20-12.50)	10.70 (3.20~18.30)	16.40 (4.50~19.90)	5.00 (3.20~8.30)	8.20 (1.60~8.90)	9.90 (1.60~11.20)
Maximum current	A	13.5	16.5	22.5	10	11.2	14	
Maximum absorbed power	kW	2.95	3.60	4.80	5.60	6.20	7.50	
<b>Refrigerant circuit</b>								
Refrigerant (GWP) <sup>4</sup>	R32 (675)							
Quantity refrigerant pre-load	Kg	1.5	2	2.8	2.4	2.8	2.95	
Tons of CO2 equivalent	t	1.013	1.350	1.890	1.620	1.890	1.991	
Diameter of refrigerant piping on liquid/gas	mm (inches)	ø9.52 (3/8") - ø15.88 (5/8")						
Max. splitting length	m	50	50	50	65	65	65	
Max height difference I.U./O.U.	m	25	25	30	30	30	30	
Splitting length without additional load	m	5	5	5	5	5	5	
Additional load	g/m	24	24	24	24	24	24	
<b>Indoor unit specifications</b>								
Dimensions	LxDxH	mm	840x840x205	840x840x245	840x840x287	840x840x245	840x840x287	840x840x287
Net weight	Kg	23	27.5	29	27.5	29	29.7	
Sound pressure level (I.U.)	Hi/Mi/Lo	dB(A)	47/43/40	51/49/46	52/50/49	51/47/41	52/50/49	53/50.5/48
Sound power level (U.I.)	Hi	dB(A)	59	62	66	62	65	65
Handled air volume	Hi/Mi/Lo	m <sup>3</sup> /h	1378/1200/1032	1775/1620/1438	1715/1568/1381	1775/1620/1438	1715/1568/1381	1970/1737/1537
Motor power (Output)	W	141	141	141	141	141	232	
Outside diameter of condensate drain	mm	ø32	ø32	ø32	ø32	ø32	ø32	
<b>Specifications of outdoor units</b>								
Dimensions	LxDxH	mm	845x363x702	946x410x810	946x410x810	946x410x810	952x415x1333	952x415x1333
Net weight	Kg	66.8	56.9	73.9	81.5	106.7	111.3	
Sound pressure level (O.U.)	dB(A)	62	60.5	67	64	66	66	
Sound power level (O.U.)	dB(A)	65	69	74	68	72	74	
Handled air (Max)	m <sup>3</sup> /h	2700	3600	3800	4000	7500	7500	
Motor power (Output)	no. x W	1 x 115	1 x 150	1 x 150	1 x 150	2 x 126	2 x 126	
<b>Accessories</b>								
<b>Decorative panel</b>						<b>TBP 710 ZA</b>		
Dimensions	LxDxH	mm	950x950x55					
Net weight	Kg	5						
<b>Optional parts</b>								
Wired remote control							YES	
Manual centralized control							YES	
Wi-Fi centralized control							XRV Mobile BMS	

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# RESIDENTIAL AND COMMERCIAL R32

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## DUCTED WITH MEDIUM HEAD

HUCU 350-530 ZAL



Standard remote control with built-in temperature sensor (Follow me function)

### Characteristics

**3.51-5.28 kW** | 2 available power levels

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

**-15-50° C** | **-15-24° C** | Operating range in cooling and heating

**200 mm in height** | Compact size (3.51 kW)

Automatic adjustment of the head of the fan at constant flow rate

Flexi air inlet, from the bottom or from the back

Condensate drain pump with possibility of raising the discharge up to 750 mm from the lower height

**Tax deductions** and **Thermal account** | Tax benefits



Indoor unit model			HUCU 350 ZAL	HUCU 530 ZAL
Outdoor unit model			HCKI 350 ZA	HCKI 530 ZA
Type			FULL DC-Inverter heat pump	
Control (included)			Remote control	
Cooling	Rated capacity (T=35°C)	kW	3.51 (1.49~4.75)	5.28 (2.55~5.69)
	Rated absorbed power (T=35°C)	kW	0.95 (0.35~1.62)	1.63 (0.71~1.90)
	Rated energy efficiency coefficient	EER <sup>3</sup>	3.69	3.24
	Seasonal energy efficiency class	626/2011 <sup>1</sup>	A++	A++
	Seasonal energy efficiency index	SEER <sup>2</sup>	6.5	6.1
	Annual energy consumption	kWh/a	188	304
Heating	Theoretical load (Pdesignc)	kW	3.5	5.3
	Rated capacity (T=7°C)	kW	4.10 (0.97~5.63)	5.86 (2.20~6.15)
	Rated absorbed power (T=7°C)	kW	1.10 (0.35~2.05)	1.58 (0.74~1.76)
	Rated energy performance coefficient	COP <sup>3</sup>	3.73	3.71
	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
Operating limits (external temperature)	Annual energy consumption	kWh/a	1120	1512
	Theoretical load (Pdesignh) @-10° C	kW	3.2	4.3
	Cooling	°C	-15~50	
	Heating	°C	-15~24	
Electrical data				
Power	Outdoor unit	Ph-V-Hz	1-220~240V-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	4
Rated absorbed current (min~max)	Cooling	A	4.20 (1.70~7.20)	7.20 (3.20~8.30)
	Heating	A	5.00 (1.70~9.00)	7.00 (3.30~7.70)
Maximum current		A	10	13.5
Maximum absorbed power		kW	2.35	2.95
Refrigerant circuit				
Refrigerant (GWP) <sup>4</sup>			R32 (675)	
Quantity refrigerant pre-load		Kg	0.87	1.15
Tons of CO2 equivalent		t	0.587	0.776
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")
Max. splitting length		m	25	30
Max height difference I.U./O.U.		m	10	20
Splitting length without additional load		m	5	5
Additional load		g/m	12	12
Indoor unit specifications				
Dimensions	LxDxH	mm	700x450x200	880x674x210
Net weight		Kg	18	24.3
Sound pressure level (I.U.)	Hi/Mi/Lo	dB(A)	35/30.5/26	41.5/38/33
Sound power level (I.U.)	Hi	dB(A)	56	59
Handled air volume	Hi/Mi/Lo	m <sup>3</sup> /h	600/480/300	880/650/350
Fan pressure head	Std/Max	Pa	25/60	25/100
Motor power (Output)		W	130	90
Outside diameter of condensate drain		mm	ø25	ø25
Specifications of outdoor units				
Dimensions	LxDxH	mm	800x333x554	800x333x554
Net weight		Kg	34.7	33.7
Sound pressure level (O.U.)		dB(A)	55.5	55
Sound power level (O.U.)		dB(A)	63	63
Handled air (Max)		m <sup>3</sup> /h	2000	2000
Motor power (Output)		no. x W	1 x 40	1 x 57
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 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.



# RESIDENTIAL AND COMMERCIAL R32

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## DUCTED WITH MEDIUM HEAD

HUCI 710-1080-1400-1600 ZA



Standard remote control with built-in temperature sensor (Follow me function)

### Characteristics

**7.03-12.31 kW** | 3 single phase power levels

**10.55-15.24 kW** | 3 three-phase power levels

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

**-15-50° C** | **-15-24° C** | Operating range in cooling and heating

**160 Pa** | Maximum static fan pressure

Automatic adjustment of the head of the fan at constant flow rate

Flexi air inlet, from the bottom or back

Condensate drain pump with possibility of raising the discharge up to 750 mm from the lower height



Indoor unit model		HUCI 710 ZA	HUCI 1080 ZA	HUCI 1400 ZA	HUCI 1080 ZA	HUCI 1400 ZA	HUCI 1600 ZA	
Outdoor unit model		HCKI 710 ZA	HCKI 880 ZA	HCKI 1200 ZA	HCSI 1080 ZA	HCSI 1400 ZA	HCSI 1600 ZA	
<b>Type</b>		FULL DC-Inverter heat pump						
Control (included)		Remote control						
Rated capacity (T=35°C)	Cooling	kW	7.03 (3.28~8.16)	8.79 (2.23~9.82)	12.31 (2.58~12.31)	10.55 (4.04~12.02)	14.07 (4.26~15.19)	15.24 (5.86~17.29)
Rated absorbed power (T=35°C)		kW	2.19 (0.48~2.85)	2.60 (0.19~3.35)	3.65 (0.23~4.35)	4.10 (0.89~4.98)	5.15 (1.17~5.70)	5.42 (1.27~6.65)
Rated energy efficiency coefficient		EER <sup>3</sup>	3.21	3.38	3.37	2.57	2.73	2.81
Seasonal energy efficiency class		626/2011 <sup>1</sup>	A++	A++	A++	A++	A++	A++
Seasonal energy efficiency index	SEER <sup>2</sup>	6.1	6.1	6.1	6.1	6.1	6.1	
Annual energy consumption	kWh/a	402	505	711	602	808	878	
Theoretical load (Pdesignc)	kW	7.0	8.8	12.4	10.5	14.0	15.3	
Rated capacity (T=7°C)	Heating	kW	7.62 (2.72~8.72)	9.38 (2.70~11.14)	13.48 (2.05~14.27)	11.14 (2.81~13.19)	16.12 (3.7~18.02)	18.17 (4.69~20.52)
Rated absorbed power (T=7°C)		kW	2.05 (0.50~2.88)	2.30 (0.43~2.90)	3.68 (0.34~4.29)	3.00 (0.78~4.67)	4.28 (0.95~5.82)	5.33 (1.04~6.03)
Rated energy performance coefficient		COP <sup>3</sup>	3.72	4.08	3.66	3.71	3.77	3.41
Energy efficiency class (average season)		626/2011 <sup>1</sup>	A+	A+	A+	A+	A+	A+
Seasonal energy efficiency class index (average season)	SCOP <sup>2</sup>	4.0	4.0	4.0	4.0	4.0	4.0	
Annual energy consumption	kWh/a	1911	2800	3360	2968	4263	4375	
Theoretical load (Pdesignh) @-10° C	kW	5.4	8.0	9.6	8.4	12.1	12.5	
Operating limits (external temperature)	Cooling	°C						
	Heating	°C						
<b>Electrical data</b>			1-220~240V-50HZ			3-380~415V-50HZ		
Power	Outdoor unit	Ph-V-Hz						
Power cable		Type	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	3 x 6 mm <sup>2</sup>	5 x 2.5 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.	5 (2 of which shielded)					
Rated absorbed current (min~max)	Cooling	A	9.50 (2.10~12.40)	11.80 (2.00~15.50)	16.00 (1.50~19.10)	6.50 (1.40~8.20)	8.30 (1.80~9.40)	8.90 (2.00~11.60)
	Heating	A	8.90 (2.20~12.50)	10.60 (3.00~13.50)	16.20 (1.90~18.80)	4.70 (1.30~7.40)	6.80 (1.50~9.20)	8.80 (1.60~10.50)
Maximum current	A	13.5	16.5	22.5	10	11.2	14	
Maximum absorbed power	kW	2.95	3.60	4.80	5.60	6.20	7.50	
<b>Refrigerant circuit</b>			R32 (675)					
Refrigerant (GWP) <sup>4</sup>								
Quantity refrigerant pre-load	Kg	1.5	2	2.8	2.4	2.8	2.95	
Tons of CO2 equivalent	t	1.013	1.350	1.890	1.620	1.890	1.991	
Diameter of refrigerant piping on liquid/gas	mm (inches)	ø9.52(3/8") - ø15.88(5/8")						
Max. splitting length	m	50	50	50	65	65	65	
Max height difference I.U./O.U.	m	25	25	30	30	30	30	
Splitting length without additional load	m	5	5	5	5	5	5	
Additional load	g/m	24	24	24	24	24	24	
<b>Indoor unit specifications</b>								
Dimensions	LxDxH	mm	1100x774x249	1360x774x249	1200x874x300	1360x774x249	1200x874x300	1200x874x300
Net weight	Kg	31.5	40.5	47.6	40.5	47.6	47.6	
Sound pressure level (I.U.)	Hi/Mi/Lo	dB(A)	42/40/38	47/43/40	51/50/48	47/43/40	51/50/48	54/52/51
Sound power level (I.U.)	Hi	dB(A)	62	63	68	63	68	71
Handled air volume	Hi/Mi/Lo	m <sup>3</sup> /h	1248/1054/839	1400/1150/750	2400/2040/1680	1400/1150/750	2400/2040/1680	2600/2210/1820
Fan pressure head	Std/Max	Pa	25/160	37/160	50/160	37/160	50/160	50/160
Motor power (Output)	W	90	250	560	250	560	560	
Outside diameter of condensate drain	mm	ø25	ø25	ø25	ø25	ø25	ø25	
<b>Specifications of outdoor units</b>								
Dimensions	LxDxH	mm	845x363x702	946x410x810	946x410x810	946x410x810	952x415x1333	952x415x1333
Net weight	Kg	66.8	56.9	73.9	81.5	106.7	111.3	
Sound pressure level (O.U.)	dB(A)	62	60.5	67	64	66	66	
Sound power level (O.U.)	dB(A)	65	69	74	68	72	74	
Handled air (Max)	m <sup>3</sup> /h	2700	3600	3800	4000	7500	7500	
Motor power (Output)	no. x W	1 x 115	1 x 150	1 x 150	1 x 150	2 x 126	2 x 126	
<b>Optional parts</b>								
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 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.

# RESIDENTIAL AND COMMERCIAL R32

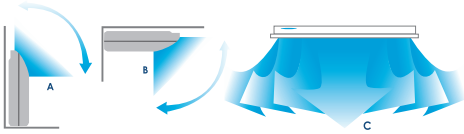
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## FLOOR/CEILING

HSFU 530 ZAL - HSF1 710-1080-1400-1600 ZA1



Standard remote control with built-in temperature sensor (Follow me function)



Installation flexibility: possibility of installation even in the corners of the ceiling, in the event that it is not possible to install the unit in the centre of the room due to the presence of any obstacles.

### Characteristics

**5.28-11.70 kW** | 4 single phase power levels

**10.55-15.83 kW** | 3 three-phase power levels

**A++/A+** (single phase 5.28~7.03 | three-phase 10.55~15.83 kW) Seasonal energy efficiency classes in cool./heat.

**-15~50° C** | **-15~24° C** | Operating range in cooling and heating

Terminal for remote on-off control and output for alarm signal in case of malfunction

**Turbo function** | For heating and cooling the room quickly



Indoor unit model		HSFU 530 ZAL	HSF1 710 ZA1	HSF1 1080 ZA1	HSF1 1400 ZA1	HSF1 1080 ZA1	HSF1 1400 ZA1	HSF1 1600 ZA1	
Outdoor unit model		HCKI 530 ZA	HCKI 710 ZA	HCKI 880 ZA	HCKI 1200 ZA	HCSI 1080 ZA	HCSI 1400 ZA	HCSI 1600 ZA	
Type		FULL DC-Inverter heat pump							
Control (included)		Remote control							
Cooling	Rated capacity (T=35°C)	kW	5.28 (2.71~5.57)	7.03 (3.22~8.29)	8.79 (4.04~10.02)	11.70 (4.96~13.11)	10.55 (3.93~12.02)	14.07 (4.96~15.11)	15.83 (5.28~17.00)
	Rated absorbed power (T=35°C)	kW	1.63 (0.67~1.85)	2.19 (0.48-2.93)	2.65 (0.89~4.00)	3.73 (1.16~4.72)	3.75 (0.87~4.50)	5.50 (1.16~6.00)	6.06 (1.23~6.50)
	Rated energy efficiency coefficient	EER <sup>3</sup>	3.24	3.21	3.32	3.14	2.81	2.67	2.61
	Seasonal energy efficiency class	626/2011 <sup>1</sup>	A++	A++	A++	A++	A++	A++	A++
	Seasonal energy efficiency index	SEER <sup>2</sup>	6.1	6.1	7.0	7.0	6.1	6.1	6.1
	Annual energy consumption	kWh/a	304	402	440	590	602	803	916
Heating	Theoretical load (Pdesignc)	kW	5.3	7.0	8.8	11.8	10.5	14.0	15.9
	Rated capacity (T=7°C)	kW	5.57 (2.42~6.30)	7.62 (2.72~8.65)	9.82 (2.94~11.48)	12.90 (3.81~14.96)	11.14 (2.81~13.95)	16.12 (3.81~18.07)	18.17 (4.4~19.64)
	Rated absorbed power (T=7°C)	kW	1.50 (0.54~1.64)	2.05 (0.50-2.85)	2.37 (0.72~4.05)	3.82 (1.03~4.20)	3.00 (0.73-4.89)	5.05 (1.03~6.20)	6.04 (1.02~6.55)
	Rated energy performance coefficient	COP <sup>3</sup>	3.71	3.72	4.14	3.38	3.71	3.19	3.01
	Energy efficiency class (average season)	626/2011 <sup>1</sup>	A+	A+	A	A	A+	A+	A+
	Seasonal energy efficiency class index (average season)	SCOP <sup>2</sup>	4.0	4.0	3.8	3.8	4.0	4.0	4.0
Operating limits (external temperature)	Annual energy consumption	kWh/a	1435	1890	2689	3398	3150	4025	4165
	Theoretical load (Pdesignh) @-10° C	kW	4.1	5.4	7.3	9.3	9.0	11.5	11.9
Electrical data	Power	Outdoor unit	Ph-V-Hz				1-220~240V-50HZ		
	Power cable	Type	3 x 4 mm <sup>2</sup>			3 x 6 mm <sup>2</sup>			5 x 2.5 mm <sup>2</sup>
Rated absorbed current (min~max)	Cooling	A	7.20 (3.20~8.20)	10.00 (2.10~13.10)	11.80 (3.90~17.40)	16.30 (5.60~20.50)	5.80 (1.20~8.20)	9.10 (1.80~9.80)	10.50 (1.90~11.30)
	Heating	A	6.60 (2.70~7.30)	9.50 (2.20~12.70)	10.60 (3.20~17.40)	16.70 (5.60~18.30)	4.80 (1.20~8.30)	8.10 (1.60~10.30)	9.90 (1.60~11.50)
Refrigerant circuit	Maximum current	A	13.5	13.5	16.5	22.5	10	11.2	14
	Maximum absorbed power	kW	2.95	2.95	3.60	4.80	5.60	6.20	7.50
Refrigerant (GWP) <sup>4</sup>		R32 (675)							
Quantity refrigerant pre-load	Kg	1.15	1.5	2	2.8	2.4	2.8	2.95	
Tons of CO2 equivalent	t	0.76	1.013	1.350	1.890	1.620	1.890	1.991	
Diameter of refrigerant piping on liquid/gas	mm (inches)	ø6.35(1/4") - ø12.74(1/2")			ø9.52(3/8") - ø15.88(5/8")				
Max. splitting length	m	30	50	50	50	65	65	65	
Max height difference I.U./O.U.	m	20	25	25	30	30	30	30	
Splitting length without additional load	m	5	5	5	5	5	5	5	
Additional load	g/m	12	24	24	24	24	24	24	
Indoor unit specifications		LxDxH	mm	1068x675x235	1068x675x235	1650x675x235	1650x675x235	1650x675x235	1650x675x235
Net weight	Kg	26.8	28	39	41.2	39	41.2	41.4	
Sound pressure level (I.U.)	Hi/Mi/Lo	dB(A)	41.5/38.5/34.5	50/46/41	51/47/42	54/50/46	51/47/42	54/50/46	54/47/42
Sound power level (I.U.)	Hi	dB(A)	58	61	62	67	59	66	69
Handled air volume	Hi/Mi/Lo	m <sup>3</sup> /h	880/760/650	1208/1066/853	2160/1844/1431	2329/1930/1417	2160/1844/1431	2329/1930/1417	2454/1834/1426
Motor power (Output)	no. x W	1 x 96	1 x 100	2 x 96	2 x 96	2 x 96	2 x 96	2 x 90	
Outside diameter of condensate drain	mm	ø25	ø25	ø25	ø25	ø25	ø25	ø25	
Specifications of outdoor units		LxDxH	mm	800x333x554	845x363x702	946x410x810	946x410x810	946x410x810	952x415x1333
Net weight	Kg	33.7	66.8	56.9	73.9	81.5	106.7	111.3	
Sound pressure level (O.U.)	dB(A)	55	62	60.5	67	64	66	66	
Sound power level (O.U.)	dB(A)	63	65	69	74	68	72	74	
Handled air (Max)	m <sup>3</sup> /h	2000	2700	3600	3800	4000	7500	7500	
Motor power (Output)	no. x W	1 x 57	1 x 115	1 x 150	1 x 150	1 x 150	2 x 126	2 x 126	
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 labeling 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 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.



## TWIN COMBINATIONS



Indoor unit model			2 x HTBI 710 ZA		2 x HTBI 1080 ZA	
Outdoor unit model			HCSI 1400 ZA		HCSI 1600 ZA	
Type			FULL DC-Inverter heat pump			
Control (included)			Remote control			
Rated capacity (T=35°C)	Cooling	kW	14.06 (4.68~14.60)		15.53 (5.28~16.71)	
Rated absorbed power (T=35°C)		kW	5.13 (1.17~5.60)		5.95 (1.15~6.68)	
Rated energy efficiency coefficient		EER <sup>3</sup>	2.74		2.61	
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	803		901	
Theoretical load (Pdesignc)	Heating	kW	14.0		15.7	
Rated capacity (T=7°C)		kW	16.12 (3.93~16.76)		18.17 (4.40~19.34)	
Rated absorbed power (T=7°C)		kW	5.05 (0.99~5.38)		6.04 (1.02~6.45)	
Rated energy performance coefficient		COP <sup>3</sup>	3.19		3.01	
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	3920		4165		
Theoretical load (Pdesignh) @-10°C	Cooling	kW	11.2		11.9	
Operating limits (external temperature)		°C	-15~50		-15~50	
	Heating	°C	-15~24		-15~24	
<b>Electrical data</b>						
Power	Indoor unit	Ph-V-Hz	1-220~240V-50HZ		1-220~240V-50HZ	
	Outdoor unit		3-380~415V-50HZ		3-380~415V-50HZ	
Power cable		Type	5 x 2.5 mm <sup>2</sup>		5 x 4 mm <sup>2</sup>	
Connection wires between each I.U. and O.U.		no.	5 (2 of which shielded)		5 (2 of which shielded)	
Rated absorbed current (min~max)	Cooling	A	8.30 (1.80~9.30)		9.80 (1.80~11.00)	
	Heating	A	8.20 (1.60~8.80)		9.90 (1.60~10.60)	
Maximum current		A	11.2		14.0	
Maximum absorbed power		kW	6.20		7.50	
<b>Refrigerant circuit</b>						
Refrigerant (GWP) <sup>4</sup>			R32 (675)		R32 (675)	
Quantity refrigerant pre-load		Kg	2.8		2.95	
Tons of CO2 equivalent		t	1.890		1.991	
Diameter of refrigerant piping on liquid/gas	Indoor unit	mm (inches)	ø9.52 (3/8") - ø15.88 (5/8")		ø9.52 (3/8") - ø15.88 (5/8")	
	Outdoor unit					
Max. splitting length		m	65		65	
Max height difference I.U./O.U.		m	30		30	
Splitting length without additional load		m	5		5	
Additional load		g/m	24		24	



Indoor unit model			2 x HUCI 710 ZA		2 x HUCI 1080 ZA	
Outdoor unit model			HCSI 1400 ZA		HCSI 1600 ZA	
Type			FULL DC-Inverter heat pump			
Control (included)			Remote control			
Rated capacity (T=35°C)	Cooling	kW	14.07 (4.28~15.24)		15.24 (5.86~17.29)	
Rated absorbed power (T=35°C)		kW	5.15 (1.17~5.70)		5.42 (1.27~6.65)	
Rated energy efficiency coefficient		EER <sup>3</sup>	2.73		2.81	
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	803		884	
Theoretical load (Pdesignc)	Heating	kW	14.0		15.4	
Rated capacity (T=7°C)		kW	16.12 (3.69~18.02)		18.17 (4.69~20.52)	
Rated absorbed power (T=7°C)		kW	4.28 (1.05~6.12)		5.33 (1.04~6.03)	
Rated energy performance coefficient		COP <sup>3</sup>	3.77		3.41	
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	4200		4375		
Theoretical load (Pdesignh) @-10°C	Cooling	kW	12.0		12.5	
Operating limits (external temperature)		°C	-15~50		-15~50	
	Heating	°C	-15~24		-15~24	
<b>Electrical data</b>						
Power	Indoor unit	Ph-V-Hz	1-220~240V-50HZ		1-220~240V-50HZ	
	Outdoor unit		3-380~415V-50HZ		3-380~415V-50HZ	
Power cable		Type	5 x 2.5 mm <sup>2</sup>		5 x 4 mm <sup>2</sup>	
Connection wires between each I.U. and O.U.		no.	5 (2 of which shielded)		5 (2 of which shielded)	
Rated absorbed current (min~max)	Cooling	A	8.30 (1.8~9.4)		8.90 (2.0~11.0)	
	Heating	A	6.80 (1.7~10.2)		8.80 (1.6~9.9)	
Maximum current		A	11.2		14.0	
Maximum absorbed power		kW	6.20		7.50	
<b>Refrigerant circuit</b>						
Refrigerant (GWP) <sup>4</sup>			R32 (675)		R32 (675)	
Quantity refrigerant pre-load		Kg	2.8		2.95	
Tons of CO2 equivalent		t	1.890		1.991	
Diameter of refrigerant piping on liquid/gas	Indoor unit	mm (inches)	ø9.52 (3/8") - ø15.88(5/8")		ø9.52(3/8") - ø15.88(5/8")	
	Outdoor unit					
Max. splitting length		m	65		65	
Max height difference I.U./O.U.		m	30		30	
Splitting length without additional load		m	5		5	
Additional load		g/m	24		24	



# TWIN COMBINATIONS



Indoor unit model			2 x HSF1 710 ZA1	2 x HSF1 1080 ZA1
Outdoor unit model			HCSI 1400 ZA	HCSI 1600 ZA
Type			FULL DC-Inverter heat pump	
Control (included)			Remote control	
Rated capacity (T=35°C)	Cooling	kW	14.07 (4.96~15.12)	15.83 (5.28~17.00)
Rated absorbed power (T=35°C)		kW	5.50 (1.16~5.70)	6.06 (1.23~6.30)
Rated energy efficiency coefficient		EER <sup>3</sup>	2.56	2.61
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	815	912
Theoretical load (Pdesignc)	Heating	kW	14.2	15.9
Rated capacity (T=7°C)		kW	16.12 (3.81~18.05)	18.17 (4.40~19.64)
Rated absorbed power (T=7°C)		kW	5.05 (1.03~6.20)	6.04 (1.02~6.55)
Rated energy performance coefficient		COP <sup>3</sup>	3.19	3.01
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	3885	4165	
Theoretical load (Pdesignh) @-10° C		kW	11.1	11.9
Operating limits (external temperature)	Cooling	°C	-15~50	-15~50
	Heating	°C	-15~24	-15~24
<b>Electrical data</b>				
Power	Indoor unit	Ph-V-Hz	1-220~240V-50HZ	1-220~240V-50HZ
	Outdoor unit		3-380~415V-50HZ	3-380~415V-50HZ
Power cable		Type	5 x 2.5 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>
Connection wires between each I.U. and O.U.		no.	5 (2 of which shielded)	5 (2 of which shielded)
Rated absorbed current (min~max)	Cooling	A	9.10 (1.80~9.30)	10.50 (1.90~10.30)
	Heating	A	8.10 (1.60~10.30)	9.90 (1.60~10.80)
Maximum current		A	11.2	14.0
Maximum absorbed power		kW	6.20	7.50
<b>Refrigerant circuit</b>				
Refrigerant (GWP) <sup>4</sup>			R32 (675)	R32 (675)
Quantity refrigerant pre-load		Kg	2.8	2.95
Tons of CO2 equivalent		t	1.890	1.991
Diameter of refrigerant piping on liquid/gas	Indoor unit	mm (inches)	ø9.52(3/8") - ø15.88(5/8")	ø9.52(3/8") - ø15.88(5/8")
	Outdoor unit			
Max. splitting length		m	65	65
Max height difference I.U./O.U.		m	30	30
Splitting length without additional load		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 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 was released into the atmosphere, then the impact on global warming would be 675 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. Always contact qualified personnel if necessary.

The indoor units that can be used in the twin combinations are the slim cassette, the medium head duct with outdoor units of 14.00 and 16.00 kW.

## RESIDENTIAL AND COMMERCIAL R32

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# R32 MULTISPLIT

Outdoor unit - Up to 5 connectable indoor units



HCKU 470 Z2  
HCKU 530 Z2



HCKU 600 Z3  
HCKU 760 Z3



HCKU 810 Z4



HCKU 1060 Z4



HCKU 1200 Z5

### Characteristics

**A++/A+** (5.28~7.91 kW) | Energy efficiency class in cooling/heating

Broad operating range in heating mode up to an outdoor temperature of -15° C, in cooling mode up to an outdoor temperature of +50° C

Maximum flexibility and ease of installation guaranteed by long refrigerant pipe length

Verify the maximum gas concentration limits, in particular in residential applications, as required by EN 378:2016.

Model			HCKU 470 Z2	HCKU 530 Z2	HCKU 600 Z3	HCKU 760 Z3	HCKU 810 Z4	HCKU 1060 Z4	HCKU 1200 Z5		
Type			Outdoor DC-Inverter heat pump unit								
Connectable indoor units (min - max)			no.	1 - 2	1 - 2	2 - 3	2 - 3	2 - 4	2 - 4	2 - 5	
Rated capacity (T=+35°C)			kW	4.10 (1.82~4.81)	5.28 (2.05~6.86)	6.15 (1.94~6.86)	7.91 (2.96~8.50)	8.21 (2.05~9.85)	10.55 (2.05~12.66)	12.31 (2.05~14.16)	
Rated absorbed power (T=+35°C)			kW	1.27 (0.17~1.71)	1.63 (0.65~2.00)	1.90 (0.18~2.24)	2.45 (0.24~3.22)	2.54 (0.89~3.18)	3.27 (1.14~4.09)	4.26 (1.49~4.58)	
Rated energy efficiency coefficient			EER <sup>3</sup>	3.23	3.24	3.24	3.23	3.23	3.23	2.89	
Seasonal energy efficiency class			626/2011 <sup>1</sup>	A+	A++	A++	A++	A++	A++	A++	
Seasonal energy efficiency index			SEER <sup>2</sup>	5.6	6.1	6.1	6.1	6.1	6.2	6.1	
Annual energy consumption			kWh/a	256	309	350	453	471	598	711	
Theoretical load (Pdesignc)			kW	4.1	5.3	6.1	7.9	8.2	10.6	12.4	
Rated capacity (T=+7°C)			kW	4.40 (1.53~5.10)	5.57 (2.34~7.24)	6.6 (1.73~7.25)	8.21 (2.04~9.38)	8.79 (2.34~10.55)	10.84 (2.34~13.01)	12.31 (2.34~14.77)	
Rated absorbed power (T=+7°C)			kW	1.185 (0.27~1.71)	1.39 (0.60~1.67)	1.78 (0.33~1.92)	2.10 (0.31~2.89)	2.20 (0.77~2.75)	2.76 (0.97~3.45)	3.10 (1.09~4.00)	
Rated energy performance coefficient			COP <sup>3</sup>	3.71	4.01	3.71	3.91	4.00	3.93	3.97	
Energy efficiency class (average season)			626/2011 <sup>1</sup>	A	A	A+	A+	A	A	A	
Seasonal energy efficiency class index (average season)			SCOP <sup>2</sup>	3.8	3.8	4.0	4.0	3.8	3.8	3.5	
Annual energy consumption			kWh/a	1363	1768	1960	2395	2395	3316	3680	
Theoretical load (Pdesignh) @-10° C			kW	3.7	4.8	5.6	5.6	6.5	9.0	9.2	
Operating limits (external temperature)			Cooling	°C	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50	
			Heating	°C	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24
Electrical data											
Power			Ph-V-Hz	1-220~240V-50HZ	1-220~240V-50HZ	1-220~240V-50HZ	1-220~240V-50HZ	1-220~240V-50HZ	1-220~240V-50HZ	1-220~240V-50HZ	
Power cable			Type	3 x 2.5 mm <sup>2</sup>	3 x 2.5 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	3 x 6 mm <sup>2</sup>	3 x 6 mm <sup>2</sup>	
Connection wires between each I.U. and O.U.			no.	4	4	4	4	4	4		
Rated absorbed current (min~max)			Cooling	A	5.50 (0.70~9.30)	7.10 (2.80~9.20)	9.00 (1.10~9.90)	13.70 (2.20~14.30)	11.30 (3.90~14.10)	14.30 (5.10~18.20)	18.50 (6.60~20.30)
			Heating	A	5.20 (1.20~9.40)	6.10 (2.60~7.70)	8.50 (1.90~8.50)	12.50 (2.50~12.90)	9.80 (3.40~12.20)	12.10 (4.30~15.30)	13.50 (4.80~17.80)
Maximum current			A	11.5	13	15.5	17.5	19	21.5	22	
Maximum absorbed power			kW	2.65	2.85	3.30	3.60	4.15	4.60	4.70	
Refrigerant circuit											
Refrigerant (GWP) <sup>4</sup>				R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	
Quantity refrigerant pre-load			Kg	1.10	1.25	1.4	1.72	2.1	2.1	2.4	
Tons of CO2 equivalent			t	0.743	0.844	0.945	1.161	1.418	1.418	1.620	
Diameter of refrigerant piping on liquid/gas			mm (inches)	2 x ø6.35(1/4")/ 2 x ø9.52(3/8")	2 x ø6.35(1/4")/ 2 x ø9.52(3/8")	3 x ø6.35(1/4")/ 3 x ø9.52(3/8")	3 x ø6.35(1/4")/ 3 x ø9.52(3/8")	4 x ø6.35(1/4")/ 3 x ø9.52(3/8") + 1 x ø12.74(1/2")	4 x ø6.35(1/4")/ 3 x ø9.52(3/8") + 1 x ø12.74(1/2")	5 x ø6.35(1/4")/ 4 x ø9.52(3/8") + 1 x ø12.74(1/2")	
Total splitting length			m	40	40	60	60	80	80	80	
Max length of a single refrigeration line			m	25	25	30	30	35	35	35	
Max height difference I.U./O.U.			m	15	15	15	15	15	15	15	
Max height difference between I.U.			m	10	10	10	10	10	10	10	
Splitting length without additional load			m	15	15	22.5	22.5	30	30	37.5	
Additional load			g/m	12	12	12	12	12	12	12	
Product specifications											
Dimensions			LxDxH	mm	800x333x554	800x333x554	845x363x702	845x363x702	946x410x810	946x410x810	946x410x810
Net weight			Kg	31.6	35.5	46.8	51.1	62.1	68.8	73.3	
Sound pressure level			dB(A)	57	56	57.5	54	61.5	63	64	
Sound power level			dB(A)	64	65	65	67	67	67	69	
Handled air (Max)			m <sup>3</sup> /h	2200	2200	3000	2700	3800	4000	3850	
Motor power (Output)			W	34	34	115	115	150	150	150	

Energy efficiency values refer to the following combinations: HCKU 470 Z2 + 2 x HKEU 203 ZL - HCKU 530 Z2 + 2 x HKEU 263 ZAL - HCKU 600 Z3 + 3 x HKEU 203 ZL - HCKU760Z3 + 3 x HKEU 263 ZAL - HCKU810Z4 + 4 x HKEU 203 ZL - HCKU 1060 Z4 + 4 x HKEU 263 ZAL - HCKU 1200 Z5 + 5 x HKEU 263 ZAL.

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 1kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1kg 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.

## RESIDENTIAL AND COMMERCIAL R32

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# V-DESIGN DC INVERTER MULTISPLIT INTERNAL UNITS

**NEW**

**Wall** HKEU 262-352 ZAL-B Dark silver

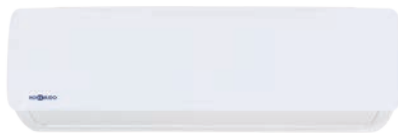


Standard remote control  
with built-in temperature sensor  
(Follow me function)

Model	HKEU 262 ZAL-B		HKEU 352 ZAL-B	
Type	Indoor wall unit			
Control (included)	Remote control			
Rated heating	Cooling	kW	2.60	3.50
	Heating	kW	2.90	3.80
<b>Electrical data</b>				
Power	Ph-V-Hz	-	-	
Connection wires between I.U. and O.U.	no.	4	4	
<b>Refrigerant circuit</b>				
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")
<b>Product specifications</b>				
Dimensions	LxDxH	mm	897x182x312	897x182x312
Net weight		Kg	9.9	9.9
Sound pressure level	Hi/Mi/Lo	dB(A)	37.5/26/21	37.5/26/21
	Hi	dB(A)	50	50
Treated air (High / Med. / Low)	m <sup>3</sup> /h	530/421/305	530/421/305	
Motor power (Output)	W	20	20	
<b>Optional parts</b>				
Wi-Fi module			HKM-WiFi	
Wired remote control			NO	
Centralised control			NO	

# TOP CLASS DC INVERTER MULTISPLIT INTERNAL UNITS

**Wall** HKEU 264-354 ZAL



Standard remote control  
with built-in temperature sensor  
(Follow me function)

Model	HKEU 264 ZAL		HKEU 354 ZAL	
Type	Indoor wall unit			
Control (included)	Remote control			
Rated heating	Cooling	kW	2.60	3.50
	Heating	kW	2.80	3.80
<b>Electrical data</b>				
Power	Ph-V-Hz	-	-	
Connection wires between I.U. and O.U.	no.	4	4	
<b>Refrigerant circuit</b>				
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")
<b>Product specifications</b>				
Dimensions	LxDxH	mm	802x189x297	802x189x297
Net weight		Kg	8.5	8.5
Sound pressure level	Hi/Mi/Lo/ULo	dB(A)	42/35/25/21.5	42/35/25/22
	Hi	dB(A)	56	56
Treated air (High / Med. / Low)	m <sup>3</sup> /h	611/479/360	611/479/360	
Motor power (Output)	W	50	50	
<b>Optional parts</b>				
Wi-Fi module			HKM-WiFi	
Wired remote control			NO	
Centralised control			NO	

## RESIDENTIAL AND COMMERCIAL R32



# ACTIVE LINE DC INVERTER MULTISPLIT INTERNAL UNITS

**Wall** HKEU 203 ZL - HKEU 263-353-533-713 ZAL



**NEW**



Standard remote control  
with built-in temperature sensor  
(Follow me function)

Model			HKEU 203 ZL	HKEU 263 ZAL	HKEU 353 ZAL	HKEU 533 ZAL	HKEU 713 ZAL
<b>Type</b>			Indoor wall unit				
Control (included)			Remote control				
Rated heating	Cooling	kW	2.10	2.60	3.50	5.30	7.00
	Heating	kW	2.30	2.90	3.80	5.60	7.30
<b>Electrical data</b>							
Power		Ph-V-Hz	-	-	-	-	-
Connection wires between I.U. and O.U.		no.	4	4	4	4	4
<b>Refrigerant circuit</b>							
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") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")	ø9.52(3/8") - ø15.88(5/8")
<b>Product specifications</b>							
Dimensions	LxDxH	mm	805x194x285	805x194x285	805x194x285	957x213x302	1040x220x327
Net weight		Kg	7.5	7.5	7.5	10	12.3
Sound pressure level	Hi/Mi/Lo/Ulo	dB(A)	40/30/26/21	40/30/26/21	40/34/26/22	44/37/30/25	44.5/42/34.5/28
Sound power level	Hi	dB(A)	54	54	53	55	59
Treated air (High / Med. / Low)		m <sup>3</sup> /h	520/460/340	520/460/340	600/500/360	840/680/540	980/817/662
Motor power (Output)		W	40	40	40	36	58
<b>Optional parts</b>							
Wi-Fi module			HKM-WiFi				
Wired remote control			NO				
Centralised control			NO				

# MULTISPLIT INTERNAL UNITS

**Console** HFIU 260 ZL - HFIU 350 ZAL



Standard remote control  
with built-in temperature sensor  
(Follow me function)

Model			HFIU 260 ZL	HFIU 350 ZAL
<b>Type</b>			Indoor console unit	
Control (included)			Remote control	
Rated heating	Cooling	kW	2.70	3.50
	Heating	kW	3.50	3.80
<b>Electrical data</b>				
Power		Ph-V-Hz	-	-
Connection wires between I.U. and O.U.		no.	4	4
<b>Refrigerant circuit</b>				
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")
<b>Product specifications</b>				
Dimensions	LxDxH	mm	700x600x210	700x600x210
Net weight		Kg	14.8	14.8
Sound pressure level	Hi/Mi/Lo	dB(A)	43/41.5/35	43/41.5/35
Sound power level	Hi	dB(A)	58	58
Treated air (High / Med. / Low)		m <sup>3</sup> /h	512/480/370	512/480/370
Motor power (Output)		W	67	67
<b>Optional parts</b>				
Wi-Fi module			NO	
Wired remote control			YES	
Manual centralized control			YES	
Requires NIM-GRH interface			XRV Mobile BMS	

## RESIDENTIAL AND COMMERCIAL R32

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# MULTISPLIT INTERNAL UNITS



**Compact cassette 60x60** HTFU 260 ZL - HTFU 350-530 ZAL



Standard remote control  
with built-in temperature sensor  
(Follow me function)

Model			HTFU 260 ZL	HTFU 350 ZAL	HTFU 530 ZAL
<b>Type</b>			Indoor cassette unit		
Control (included)			Remote control		
Rated heating	Cooling	kW	2.60	3.50	5.30
	Heating	kW	2.90	4.10	5.40
<b>Electrical data</b>					
Power		Ph-V-Hz	-	-	-
Connection wires between I.U. and O.U.		no.	4	4	4
<b>Refrigerant circuit</b>					
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")
<b>Product specifications</b>					
Dimensions		LxDxH	mm	570x570x260	570x570x260
Net weight			Kg	14.5	16.2
Sound pressure level	Hi/Mi/Lo		dB(A)	38/33/29	41/37/34
Sound power level	Hi		dB(A)	53	58
Treated air (High / Med. / Low)			m <sup>3</sup> /h	580/500/450	617/504/415
Motor power (Output)			W	45	45
<b>Accessories</b>			TFP200ZA		
Decorative panel					
<b>Optional parts</b>					
Wi-Fi module			NO		
Wired remote control			YES		
Manual centralized control			YES <sup>1</sup>		
Wi-Fi centralized control			YES <sup>1</sup>		

1. Contact the Hokkaido Italia technical department for installation.

# MULTISPLIT INTERNAL UNITS



**Medium head ducted**

HUCU 260 ZL - HUCU 350-530 ZAL



Standard remote control  
with built-in temperature sensor  
(Follow me function)

Model			HUCU 260 ZL	HUCU 350 ZAL	HUCU 530 ZAL
<b>Type</b>			Indoor duct unit		
Control (included)			Remote control		
Rated heating	Cooling	kW	2.60	3.50	5.30
	Heating	kW	2.90	3.80	5.60
<b>Electrical data</b>					
Power		Ph-V-Hz	-	-	-
Connection wires between I.U. and O.U.		no.	4	4	4
<b>Refrigerant circuit</b>					
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")
<b>Product specifications</b>					
Dimensions		LxDxH	mm	700x450x200	700x450x200
Net weight			Kg	18	24.3
Sound pressure level	Hi/Mi/Lo		dB(A)	40/34.5/27.5	41.5/38/33
Sound power level	Hi		dB(A)	58	59
Treated air (High / Med. / Low)			m <sup>3</sup> /h	500/340/230	600/480/300
Fan pressure head			Pa	25/40	25/100
Motor power (Output)			W	130	130
<b>Optional parts</b>			NO		
Wi-Fi module			NO		
Wired remote control			YES		
Manual centralized control			YES <sup>1</sup>		
Wi-Fi centralized control			YES <sup>1</sup>		

1. Contact the Hokkaido Italia technical department for installation.





## MULTISPLIT INTERNAL UNITS

Ceiling HSFU 530 ZAL



Standard remote control with built-in temperature sensor (Follow me function)

<b>Model</b>			HSFU 530 ZAL
<b>Type</b>			Indoor ceiling unit
Control (included)			Remote control
Rated heating	Cooling	kW	5.30
	Heating	kW	5.60
<b>Electrical data</b>			
Power		Ph-V-Hz	-
Connection wires between I.U. and O.U.		no.	4
<b>Refrigerant circuit</b>			
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø12.74(1/2")
<b>Product specifications</b>			
Dimensions	LxDxH	mm	1068x675x235
Net weight		Kg	28
Sound pressure level	Hi/Mi/Lo	dB(A)	41.5/38.5/34.5
Sound power level	Hi	dB(A)	58
Treated air (High / Med. / Low)		m <sup>3</sup> /h	880/760/650
Motor power (Output)		W	96
<b>Optional parts</b>			
Wi-Fi module			NO
Wired remote control			YES
Manual centralized control			YES <sup>1</sup>
Wi-Fi centralized control			YES <sup>1</sup>

1. Contact the Hokkaido Italia technical department for installation.