

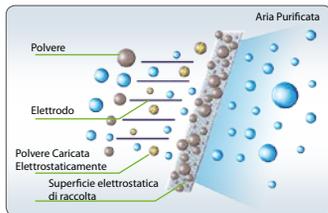
# SK

HFC  
Refrigerant  
R410A

INVERTER  
TECHNOLOGY

A+++

Maximum Seasonal  
Energy Efficiency  
(Refer to the Technical Data)



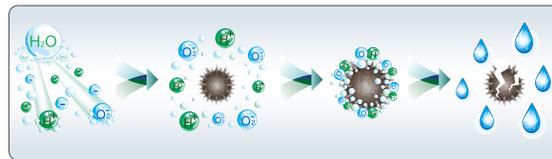
Operating principle of the **Electrostatic anti-dust filter** (electrically powered)



WRCA  
Wired Control Panel  
(Accessory)



SK



**Air Ionizer (Cold Plasma Generator):** reduces the polluting agents, decomposing their molecules by means of electrical charges and causing the division of the water molecules in the air into positive and negative ions. These ions neutralise the molecules of the gaseous polluting agents creating substances that are normally present in clean air. The device can eliminate 90% of bacteria. The result is clean, ionised air without any unpleasant odours.

## Reversible Split System Heat Pumps High Wall Type Monosplit Cooling Capacity from 2,6kW up to 7,0kW Heating Capacity from 3,0kW up to 7,3kW



SK\_W

WIFI Smart APP

Scan for download the APP

Download on the  
**App Store**

ANDROID APP ON  
**Google play**

Necessary App for use the WIFIKIT accessory



### Extra Horizontal Louver

- 1 Activated in Heating Mode to improve the air distribution and avoid air stratification
- 2 Retracts in Cooling Mode

## Features

### Outdoor Unit:

- **SK**
- Outdoor Unit available in 4 size.
- Outdoor Unit with **Electrical Anti-Freeze Heater (in unit base)** to avoid the formation of ice and encourage the drainage of condensate during heating operation.
- Outdoor Unit with **DC Inverter Twin Rotary Compressor**.
- Outdoor Unit with DC Inverter Fan.
- Ultra Low Noise function.
- Outdoor Unit with Electronic Expansion Valve.

### Indoor Unit:

- **SK\_W**
- Indoor Unit available in 4 size.
- Indoor Unit fitted with double horizontal louvers and with vertical louvers, all motorised for optimum air flow control in two directions.
- The indoor unit fan works at 7 speeds, 5 of which can be directly selected using the "FAN" key, while the other 2 are set by means of a specific key. "QUIET" for extremely quiet operation. "TURBO" for reaching the required temperature as quickly as possible.

- "AUTO" function for continual speed variation.
- "Anti-Freeze" function for maintaining a minimum temperature of 8°C indoors during the winter months.
- "I FEEL" functioning: used to activate the indoor environment temperature probe on the remote control for better comfort.
- Air Filters easy to remove and clean.
- Electrostatic dust filter (electrically powered).
- Air Ioniser (**Cold Plasma Generator**).
- Infrared remote control with backlit liquid crystal screen for controlling all the functions.
- **Universal Indoor Unit:** the same indoor unit can be combined with either the Mono-Split outdoor units of the SK range or the Multi-Split outdoor units of the MKM range.
- Adapter for the gas refrigerating line, supplied with indoor units SK360W and SK500W for use with outdoor units MKM only.
- Ultra Low Noise function.
- **General Features:**
  - Operation Modes: Cooling, Heating, Dehumidification, Automatic and Fan only.
  - Microprocessor control.

- Auxiliary emergency control (AUTO button in the indoor unit).
- Front panel of indoor unit with liquid crystal display and leds indicating the operating mode.
- Timer for programming switch-off and/or switch-on.
- 3 Sleep programs.
- Auto-restart function.
- Self-diagnostics function.
- Flared refrigerant connections.
- Easy installation and maintenance.
- **Low Cooling Function:** cooling operation with outdoor temperatures down to -15°C.
- **Low Heating Function:** heating operation with outdoor temperatures down to -20°C.

## Accessories

- **WI-FI KIT:** Plug & Play module to be installed in the indoor unit for Wi-Fi control. Using this accessory and the special App for iOS and Android devices (freely available on Apple Store and Google play), the system can be controlled from a distance, directly via your smartphone or tablet. The remote control

can be done by Local Wi-Fi (Short Distance Control), otherwise through Cloud System with a Wireless Router connected to the internet (Long Distance Control).

- **WRCA:** wired panel with liquid crystal display and Soft-Touch keys. Using this accessory, it's possible to

control not only the traditional system functions but also a weekly timer with up to 8 daily time bands.

**The two accessories, WRCA and WI-FI KIT, are mutually compatible and so they can be connected to the same indoor unit simultaneously.**

## Technical Data

Indoor Units			SK260W	SK360W	SK500W	SK700W
Outdoor Units			SK260	SK360	SK500	SK700
Cooling Capacity	Nominal (Min-Max)	kW	2,6 (0,6-3,2)	3,5 (0,6-4,0)	5,3 (1,0-6,3)	7,0 (2,0-8,6)
Cooling Power Input	Nominal (Min-Max)	kW	0,6 (0,12-1,1)	0,9 (0,12-1,4)	1,51 (0,4-2,45)	2,0 (0,45-3,2)
Cooling Current Input		A	2,7	4,0	8,75	8,90
Moisture Removed		l/h	0,8	1,4	1,8	2,5
Seasonal Efficiency	Energy Efficiency Class	(1) -	<b>A+++</b>	<b>A++</b>	<b>A++</b>	<b>A++</b>
	SEER	-	8,50	8,0	6,4	6,3
	Pdesignnc	kW	2,6	3,5	5,3	7,0
	Annual Power Consumption	kWh / annum	107	153	290	389

Heating Capacity	Nominal (Min-Max)	kW	3,0 (0,6-4,0)	4,0 (0,6-5,0)	5,4 (1,0-6,8)	7,3 (1,9-9,0)
Heating Power Input	Nominal (Min-Max)	kW	0,65 (0,12-1,6)	1,0 (0,12-1,7)	1,45 (0,4-2,5)	1,96 (0,38-3,2)
Heating Current Input		A	3,2	4,5	8,54	9,63
Seasonal Efficiency (Temperate Climate)	Energy Efficiency Class	(1) -	<b>A+++</b>	<b>A++</b>	<b>A+</b>	<b>A+</b>
	SCOP	-	5,1	4,7	4,0	4,0
	Pdesignnh	kW	2,8	3,5	5,4	7,0
	Annual Power Consumption	kWh / annum	769	1043	1890	2450

Refrigerant Gas	Type / GWP		R410A / 2088kgCO <sub>2</sub> eq			
Refrigerant Charge	kg		1,2	1,3	1,6	2,3
EER	(2) W/W		4,33	3,89	3,50	3,50
COP	(2) W/W		4,62	4,00	3,72	3,72
Rated Power Input	(3) kW		1,6	1,7	2,5	3,2
Rated Current Input	(3) A		7,1	8,0	14,0	14,20

Indoor Units			SK260W	SK360W	SK500W	SK700W
Air flow rate	Turbo / Quiet	m <sup>3</sup> /h	650/350	750/350	950/480	1200/780
Sound Power	Turbo / Quiet	dB(A)	55/38	55/38	60/46	65/49
Sound Pressure	Turbo / Quiet	(4) dB(A)	43/26	43/26	46/34	51/37

Outdoor Units			SK260W	SK360W	SK500W	SK700W
Air flow rate	Max	m <sup>3</sup> /h	2400	2400	3200	4000
Sound Power	Max	dB(A)	63	63	65	68
Sound Pressure	Max	(4) dB(A)	54	54	56	58
Compressor	Typo		Twin Rotary DC Inverter			
Refrigerant Connections	Liquid	inch	1/4"	1/4"	1/4"	1/4"
	Gas	inch	3/8"	1/2"	5/8"	5/8"
Refrigerant Lines	Øe Liquid	mm (inch)	6,35 (1/4")	6,35 (1/4")	6,35 (1/4")	6,35 (1/4")
	Øe Gas	mm (inch)	9,52 (3/8")	12,7 (1/2")	15,9 (5/8")	15,9 (5/8")
	Pipe length	Max m	15	20	25	25
	Height difference	Max m	10	10	10	10
Power Supply		-	220-240V ~ 50/60Hz			

### Cooling (EN-14511 and EN-14825)

Ambient air temperature 27°C D.B. / 19°C W.B Outside air temperature 35°C; Max speed; Length of Refrigerant Lines 5m.

### Heating (EN-14511 and EN-14825)

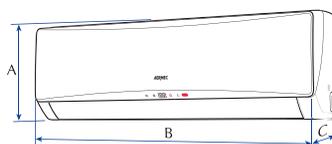
Ambient air temperature 20°C D.B.; Outside air temperature 7°C D.B. / 6°C W.B Max speed; Length of Refrigerant Lines 5m.

**Min** = Minimum; **Med** = Medium; **Max** = Maximum.

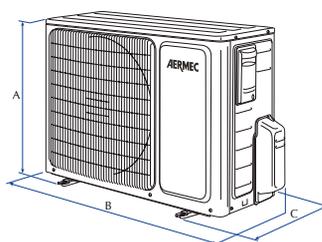
- (1) Data in accordance with Delegated Regulation (EU) No. 626/2011
- (2) EER/COP in accordance with the Standard (EN-14511)
- (3) The Rated Power Input (Rated Current Input) is the Maximum Input Electrical Power (Maximum Current Input) from the system, in accordance with the Standards EN-60335-1 and EN-60335-2-40
- (4) Sound Pressure measured in semi anechoic chamber at a distance of 1,5m from the source

## Sizes and Weights

Indoor Units			SK260W	SK360W	SK500W	SK700W
Height	(A)		292	292	319	326
Width	(B)	mm	866	866	1018	1178
Depth	(C)		209	209	230	264
Net Weight		kg	11	11	14	17
Outdoor Units			SK260	SK360	SK500	SK700
Height	(A)		596	596	700	790
Width	(B)	mm	899	899	955	980
Depth	(C)		378	378	396	427
Net Weight		kg	41	43	47,5	65



SK\_W



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Aermec reserves the faculty at any time to implement any and all modifications it deems necessary for product improvement as well as any modification of related technical data.

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