

ECO INVERTER GORENJE

EFFICIENT INVERTER TECHNOLOGY.



SUPER ADVANTAGE

**Inverter
Technology**

SUPER FUNCTION

**Self Clean
function**

SUPER EFFICIENCY

**A⁺ heating:
SCOP \geq 4,0
A⁺⁺ cooling:
SEER \geq 6,1**

ADVANTAGES OF INVERTER TECHNOLOGY

Contemporary inverter technology is distinguished by its amazing energy efficiency, which is why the Eco Inverter Gorenje air conditioning device classifies as a heat pump. For the user, this means 40 % energy savings compared to classical air conditioning devices. With its numerous sophisticated functions, it is extremely efficient, which brings us to additional energy and financial savings. The main advantage of inverter technology is the smart

operation of the air conditioning device, which adjusts its cooling or heating power to the current temperature in the room – it strives to maintain a stable temperature by optimal regulation of the heating or cooling power, reducing heat losses due to overheating or underheating the premises in relation to the set temperature, which is a frequent problem of classical air-conditioning devices that switch on and off frequently.



ENERGY CLASS A⁺⁺

Efficiency of Gorenje air conditioner complies with the requirements of the European directive for an extended period of time. A SEER is higher than 6.1, the SCOP higher than 4.0 mean that the DC Inverter air conditioners rank in the A⁺⁺ energy class.

This ensures high-energy efficiency of the appliance in low power consumption.

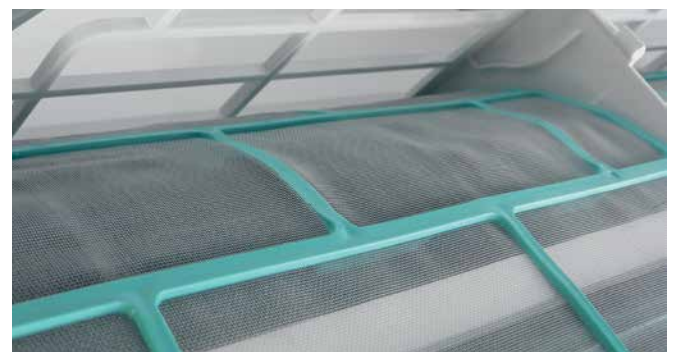
Follow me Room thermostat

If this function is activated, the remote control takes over the role of a room thermostat. The air conditioning device regulates the temperature in the room depending on the temperature at the location where the remote controller is positioned.



High Density Filter High Density HEPA filter

A highly efficient HEPA filter, which captures 80 % more of dust particles than classical filters, ensuring even fresher and purer ambient air.



SELF CLEAN

Self cleaning function

After the cooling mode is finished, the Self Clean function automatically dries the heat exchanger in the indoor unit of the air conditioning device and prepares it for future operation. This prevents the growth of mould and unpleasant smell in the air conditioning device.



Turbo Mode

Turbo operation

The turbo operation function allows the device to reach the preset temperature in the shortest possible time.



Anti-cold Air Function

Protecting the area from frost

With this function activated, the air conditioner will keep the space from freezing during winter months. A temperature of 8°C will be maintained.



Sleep Mode

Night mode of operation

This function enables automatic reduction of cooling/heating power by 1°C for the first two hours of operation. This mode then continues for the following 5 hours, after which it automatically switches off.



Advanced Functions:



1 W Standby

1 Watt standby

In standby mode, the air conditioning device automatically starts the energy saving mode. Instead of 5 W, only 1 W per hour is used, which means 80 % energy savings.



Louver Position Memory Function

Louver position memory function

Horizontal louver will automatically move to the same position as it was the last time when the unit was turned on.



Low Ambient Cooling

- 15 °C Cooling

Thanks to special control functions, the air conditioning device can effectively function in the cooling mode down to the temperature of -15 °C, which is a great advantage, e.g. in cooling rooms using servers.



12 Grades Indoor Fan Speed

12 grades of indoor fan speed

The indoor fan of the air conditioning device has 12 grades, giving it exceptional adaptability, efficiency and convenience of operation in accordance with your desires.

Technical data:

MODEL		KAS 26 DCINV FT	KAS 35 DCINV FT	KAS 53 DCINV FT
Cooling power	W	2640	3520	5275
Consumption of electrical energy in cooling/ Operating current	W/A	100 - 1240 / 0,4 - 5,4	100 - 1580 / 0,4 - 6,9	140 - 2360 / 0,6 - 10,3
Heating power	W	2930	3800	5570
Consumption of electrical energy in heating/ Operating current	W/A	120 - 1200 / 0,5 - 5,2	130 - 1510 / 0,6 - 6,6	200 - 2410 / 0,9 - 10,5
Voltage/Frequency/Number of Phases	V-Hz-Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph
Ratio SEER/SCOP		6,2 / 4,0	6,1 / 4,0	6,4 / 4,0
Energy class (cooling/heating)		A++/A+	A++/A+	A++/A+
AIR FLOW				
Indoor unit (Hi-Me-Lo)	m³/h	420 / 320 / 270	570 / 470 / 370	840 / 680 / 540
Outdoor unit (max)	m³/h	1800	1800	2100
SOUND PRESSURE (SOUND POWER)				
Indoor unit (min/max)	dB(A)	25 (40/52)	23 (41/53)	25 (47/56)
Outdoor unit (max)	dB(A)	55 (60)	56 (59)	56 (63)
WEIGHT AND DIMENSIONS				
Weight of indoor unit (net/gross)	kg	6,8 / 8,9	7,2 / 9,6	9,5 / 12,5
Dimensions of indoor unit (WxDxH)	mm	715x194x285	805x194x285	957x213x302
Weight of outdoor unit (net/gross)	kg	25,2 / 27,4	25,5 / 27,7	37,8 / 40,5
Dimensions of outdoor unit (WxDxH)	mm	770x300x555	770x300x555	800x333x554
REFRIGERANT CONNECTIONS				
Max length of pipe	m	25	25	30
Max height difference	m	10	10	15
Fluid pipe Ø	mm (inch)	Ø 6,35 (1/4")	Ø 6,35 (1/4")	Ø 6,35 (1/4")
Gas pipe Ø	mm (inch)	Ø 9,52 (3/8")	Ø 9,52 (3/8")	Ø 12,7 (1/2")
Condensate outlet pipe Ø	mm	16	16	16
Refrigerant/filling	-/kg	R410A /0,8	R410A/0,8	R410A /1,48
Area*	m²	25	35	50
Area of operation (cooling / heating)	°C	-15~50/-15~30	-15~50/-15~30	-15~50/-15~30

*Usable area depends on the building insulation and potential heat sources in the building.

Technical advantages:



5 Grades Outdoor Fan Speed

5 grades of outdoor fan speed

This ensures better utilisation rates of the air conditioning device and better living conditions.



Refrigerant Leakage Detect

Detection of refrigerant leakage

Automatically detects leakage of refrigerant and switches off the device – additional protection of the compressor.



2-way Draining

2-way drainage connection

Drainage, electrical and gas connection from either the left or the right side allows easier installation.



Manual Switch Button

Manual switch button

The air conditioning device can be switched on or off using a button, without the remote control.

Gorenje d.d.

HCS (Heating and Cooling Systems)
Partizanska 12 | SI- 3503 Velenje | Slovenija
T: 00 (0)3 8992692 ali 080 48 48 | F: 00 (0)3 899 72 73
info@gorenje.com | www.gorenje.com