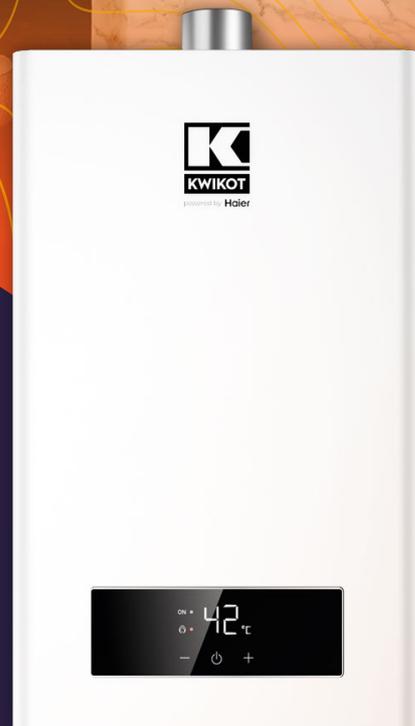




KWIKOT

powered by **Haier**



Gasmate

Canopus Series

**Indoor and Outdoor
Fan Forced Gas
Water Heater**

Add warmth to life.

Indoor and Outdoor Fan Forced Gas Water Heater

Canopus Series

Features



Consistent Comfort

- DC Stable Thermostatic
- 3 Stages Precise Burner
- Smart Ai Precise Temperature Calibration
- Low Water Pressure Start-up



Energy Saving

- High Efficiency Oxygen Free Copper Heat Exchanger
- Low-Power Heating
- Compatible with Solar Water Heating Systems



Safety & Health

- Dual CPU Protection (Over 250,000 Tests)
- Intelligent Safety Auto-check System
- Anti-Freezing
- 5-Stage Sterilization



Consistent Comfort



DC Fan Oxygenation Tech

The bottom-mounted DC inverter fan (500–5000 RPM) adjusts oxygen intake and optimizes the gas pathway according to outdoor conditions, ensuring stable and reliable combustion even under strong winds.



DC Fan

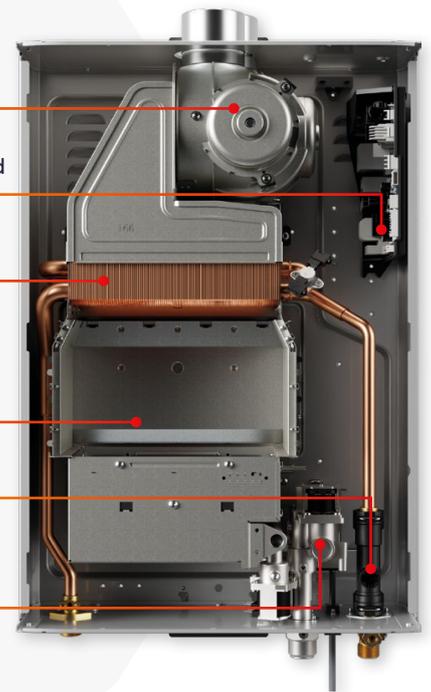
Dual-Chip Main Control Board

Heat Exchanger

Burner

Water Flow Sensor

Gas Proportional Valve



3 Stage Precise Burner

Consistent Hot Water

Automatically adjusts the burner between soft/medium/high flame intensity by segmental combustion, controlling the temperature with precision, within $\pm 0.5^{\circ}\text{C}$, to ensure comfortable hot water in any season.



Summer

Comfortable shower in summer

Soft flame intensity in summer to prevent overheated water during a shower.

Winter

Warm shower in winter

Higher flame intensity in winter to ensure fast heating for comfortable warm showers

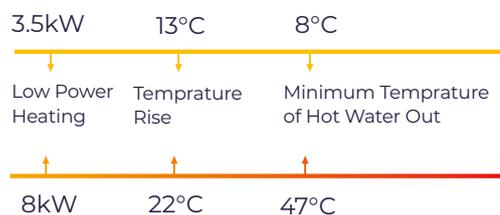


Segmental New-Tech Combustion

Comfortable shower in any season.

Conventional combustion

Not at an ideal temperature.



Working condition:

Basic water temperature at 25°C Water flow volume 5L/min.

Consistent Comfort



Smart AI Precise Temperature Calibration

Precise temperatures, at all times.

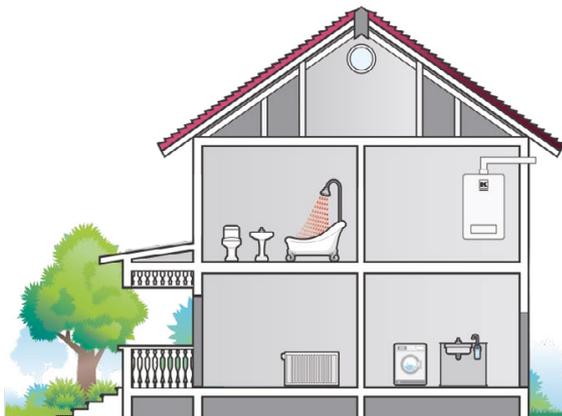
AI Thermostatic Algorithm with AI Smart Combustion delivers precise, stable warmth for constant comfort



Smart Switch Water Capacity

AI thermostatic flue system delivers precise, stable warmth for constant comfort.

Low Water Pressure Start-up



The minimum start-up water flow is 2.3L/min, and the minimum operating water flow rate is 1.7L/min.



88%
Thermal
Efficiency

Energy Saving

Oxygen Free Copper Heat Exchanger

Upgraded heat exchange system produces higher heat exchange efficiency.



Low-Power Heating

Heats Only When Needed, Using Far Less Electricity

Unlike storage heaters that reheat water all day, this gas system uses electricity only for ignition and control. It avoids continuous power consumption and cuts daily costs in markets where electricity is expensive.



Gas Instantaneous

Works only once a tap is opened



Low - Power
Heating



Extremely
low power
consumption



Cut
Expenses

Traditional Electric

Keep heating regardless of whether the user needs it or not



Compatible with Solar Systems

Free Solar Energy

Designed for seamless integration with home solar water heating systems. In sunny regions, this can lead to major annual savings, as most hot water demand is supported by solar energy - turning every sunny day into cost-free comfort.



Safety and Health



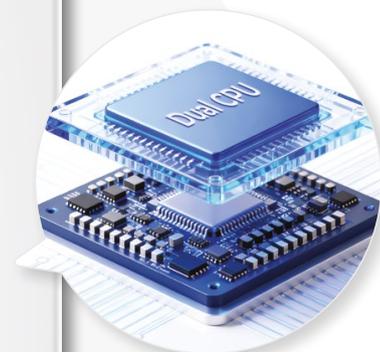
Dual CPU Protection

Equipped with dual-chip algorithms, similar to bi-brain coordination, the main and auxiliary chips work together to provide multiple layers of protection and enhance system security.

Each unit undergoes more than 250,000 simulated water-usage tests, and the dual-processor adaptive safety system ensures stable, reliable operation throughout the entire lifecycle.

Ultimate smart comfort
with peace of mind.

Over
250,000
Water Usage
Tests



Intelligent Safety Auto-check System

The intelligent safety self-check system provides continuous safety monitoring, with multiple layers of safety protection including gas pressure, water pressure, over-temperature, timeout, accidental flameout, anti-scald, anti-lightning, grounding protection, IPX2, and anti-freezing, providing you with a reliable and safeguarded experience.



Gas circuit
safety
protection



Overheating
protection



Unexpected
flameout
protection



Temperature
safety lock



Voltage
overcurrent
protection



Ventilation
blocking
protection



Burnthrough
protection



Smart auto-
check
system



Anti-freezing
protection



60 min non-
stop
combustion
shutdown
protection



Safety and Health

5 Stage Sterilization

Water inlet filter, nano Ag ion, copper outlet/inlet bacteria inhibition, oxygen free heat exchanger and 60°C set up sterilization.



Anti-freezing Protection

When the ambient temperature is lower than 4°C, the electric heating protection program will be activated, and it can operate normally at -15°C

**Lower
than
4°C**



Product Specifications



Main Product Info

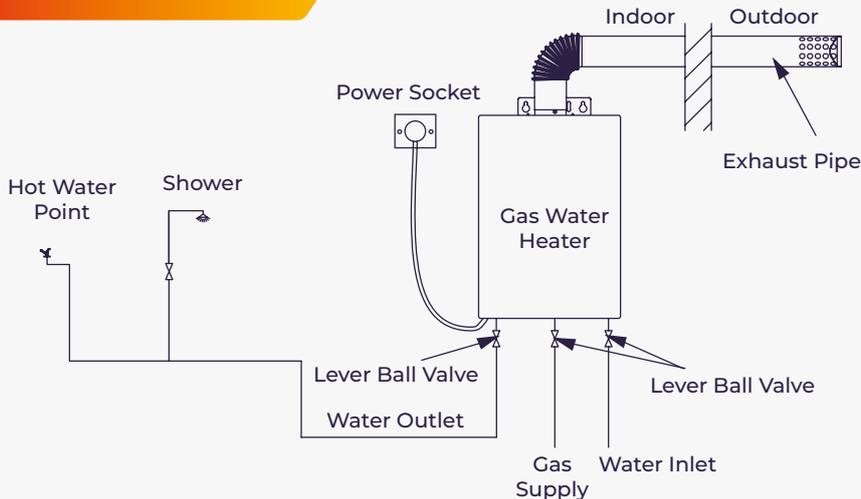
Product Code		FGI-HFI12-LPG	FGI-HFI16-LPG	FGI-HFI20-LPG
Normal Gas Consumption	Kg/h	1,73	2,23	2,74
Water Pressure Max.	kPa	1000	1000	1000
Water Pressure Min.	kPa	50	150	150
Gas Inlet Pressure	kPa	2,8	2,8	2,8
Test Point Pressure	Pa	1200	1200	1050
Number of Injector	Psc.	7	7	8
Diameter of Injector	Mm	1,2	1,35	1,45
Electrical Rating	W	50	55	55
Anti-freezing heating capacity	W	56	56	56
Heat Output	kW	21	28	34
Water Heating Capacity (at 25°C rise)	L/min	12	16	20
Water flow rate to activate the water heater	L/min	2,3	2,3	2,3
Water flow rate to keep water heater running	L/min	1,7	1,7	1,7
Relief valve pressure setting	MPa	1,0 - 1,5	1,0 - 1,5	1,0 - 1,5
Power Supply	AC	230V~/50Hz.	230V~/50Hz.	230V~/50Hz.
IP Protection	/	IPX2	IPX2	IPX2
Ignition	/	Direct ignition without pilot	Direct ignition without pilot	Direct ignition without pilot
Gas Inlet Connection	/	G'1/2	G'1/2	G'1/2
Water inlet/outlet connection	/	G'1/2	G'1/2	G'1/2
Net Weight / Gross Weight	Kg	10.6/14.8	11.5 /14.5	12 /14,5
Product Dimensions	mm	540 x 340 x 165	540 x 340 x 165	540 x 340 x 175
Packaging Dimensions	mm	707 x 524 x 282	710 x 565 x 262	760 x 515 x 278





Installation Specifications

Instructions



Installation Instructions for the Ventilation Duct

- When the exhaust pipe passes through a combustible material wall, it must be covered with insulation material with a thickness greater than 20mm.
- The outlet of the exhaust pipe should be inclined downward by 3° to 5° to facilitate the drainage of condensed water and to prevent rainwater from flowing back.
- The turning angle of the exhaust pipe should be no less than 90°, and the turning radius should be no less than 90mm. (One elbow is equivalent to the resistance loss of 2 meters of straight pipe.) Ensure there is no air leakage at the connection of the extended exhaust pipe to allow the exhaust gases to be vented outside. (The maximum length of the exhaust pipe is 5 meters, and the maximum number of bends is 3.)
- A stop valve must be installed near the water heater to cut off the water and gas supply during maintenance.
- The water heater is not intended to be connected to flues that are likely to be affected by heat (e.g. plastic ducts or ducts with internal plastic coatings)
- Exhaust pipe should be used with the included flue pipe. If it needs to be extended, it is recommended to buy from Kwikot after sale or use the same grade (0.3mm thick SUS304 stainless steel) or higher grade material smoke pipe.
- If the Gas Water Heater is installed outdoors, a Gas Geyser Cover is to be installed over the unit to protect the unit and prevent the warranty from being voided.

Installation Accessories

Packing List

Description	Qty
Gasmate Gas water Heater	1
Operation and installation manual	1
Tapping Screw	3
Expansion Dowel	3
Exhaust Pipe	1

Warranty Information



Standard Warranty

Warranty Terms

This warranty is given by **Kwikot (Haier) SA PTY LTD.**

The benefits conferred by this warranty are in addition to all other legal rights and remedies of the Customer in respect of the Product. Given installation and application is in accordance with the manufacturer's specifications and instructions, the Product and components are warranted by **Kwikot (Haier) SA PTY LTD.** for the cost of labour and components in the event of defects arising from faulty materials and/or workmanship in accordance with the warranty conditions and exclusions stated in this document. Warranty of the Product will remain with the Product for the warranty coverage period.

Product Warranty

Please refer to installation manuals of specific products for detailed specifications and warranty cover details.

Kwikot (Haier) SA warrants that products are free from manufacturing defects. **Kwikot** gives no other warranties or representation whether express or implied. No amendments or additions to the warranty shall be binding on **Kwikot**. **Kwikot** makes no warranty or representations in respect of the installation of products. Claims in respect of the installation of products must be referred to the applicable installer, who shall be solely liable under any installation warranties given.

The warranty covers specific products only and does not cover any other part or parts of the installation which may become damaged as a consequence of the failure or defect of **Kwikot** products. **Kwikot** will repair or at its own discretion, replace the faulty part with new or re-manufactured one.

A valid gas certificate of compliance, COC, is required in order to log a warranty claim. It is illegal to install a gas appliance if the installer is not qualified and cannot issue a COC. Warranty claims where a COC cannot be furnished will be voided.

The period during which the warranty applies will be calculated from the date of installation, provided that the documentation of proof of the installation date is furnished. If the installation date is not available or cannot be proved, the date of manufacture as determined by **Kwikot** from information on the serial plate, shall be the commencement date of the warranty period.

If **Kwikot** carries out repairs or replacements, the warranty period will not start afresh or be extended, irrespective of how many repairs or replacements are carried out.

Even if product is repaired or replaced, the warranty period will still be calculated from the date of the original installation or manufacture date of the original product.

Components removed during warranty repairs will remain the property of **Kwikot (Haier) SA**. Warranties are applicable only in South Africa; Namibia; Botswana; Swaziland and Lesotho, subject to water quality in respect of SANS 241.



Warranty Information

A warranty will only be honoured if:

1. The applicable warranty period is still in force.
2. The product is installed, used and maintained in accordance with Kwikot's specifications and instructions.
3. All products included in the installation comply with SANS approvals.
4. The product has been used for water which meets SANS 241 specifications

The warranty does not cover:

(when AC supply isn't available)

1. Damage to the heat exchanger due to freezing.
2. Burnouts due to loose connections.
3. Fair wear and tear.
4. Misuse, abuse or negligent use.
5. Any attempts to self-repair, tampering or defacing the serial plate.

Note: Accessibility to your GWH is of utmost importance.

GWH in an inaccessible space will result in a call out being charged and resubmission of warranty call by client once the water heater has been made accessible.

Kwikot products have been designed and manufactured to work at optimum performance by using Kwikot original spares. Should these parts be replaced with non-genuine Kwikot spare parts whilst still under warranty as required by SANS/IEC 60335-2-21 safety regulation and/or SANS 10087.1, we have the right to void the warranty

Warranty Terms

Kwikot (Haier) SA PTY LTD offers the following warranty terms on Canopus Series Models:

Component	Warranty
Heat Exchanger	2 Years
All other components	2 year
Installer supplied valves and fittings	N/A



Scan and Register Your Kwikot Product (Please Register Online)

Register your Kwikot product today by scanning the QR code on your water heater or by visiting www.kwikot.com to complete the online registration form.

This simple process allows our service team to quickly access your product information, ensuring faster warranty validation and more efficient handling of service calls.

By registering your product, you help us provide a seamless and convenient support experience.



Scan Here
To Register



KWIKOT

powered by **Haier**

Need Assistance?

Sales and Payment Queries:
za_salesorders@kwikot.com | **011 897 4600**

Admin, Marketing and Product Queries:
kwikot.marketinginfo@kwikot.com

Technical Queries:
technical.info@kwikot.com

Gauteng
3 Aberdeen Road
Industrial Sites
Benoni

KwaZulu-Natal
814 Peter Close
Springfield Park
Durban

Western Cape
15 Purdey Road
Sheffield Business Park
Philippi, Cape Town

Eastern Cape
39-41 Leadwood
Crescent
Fairview
Port Elizabeth

www.kwikot.com