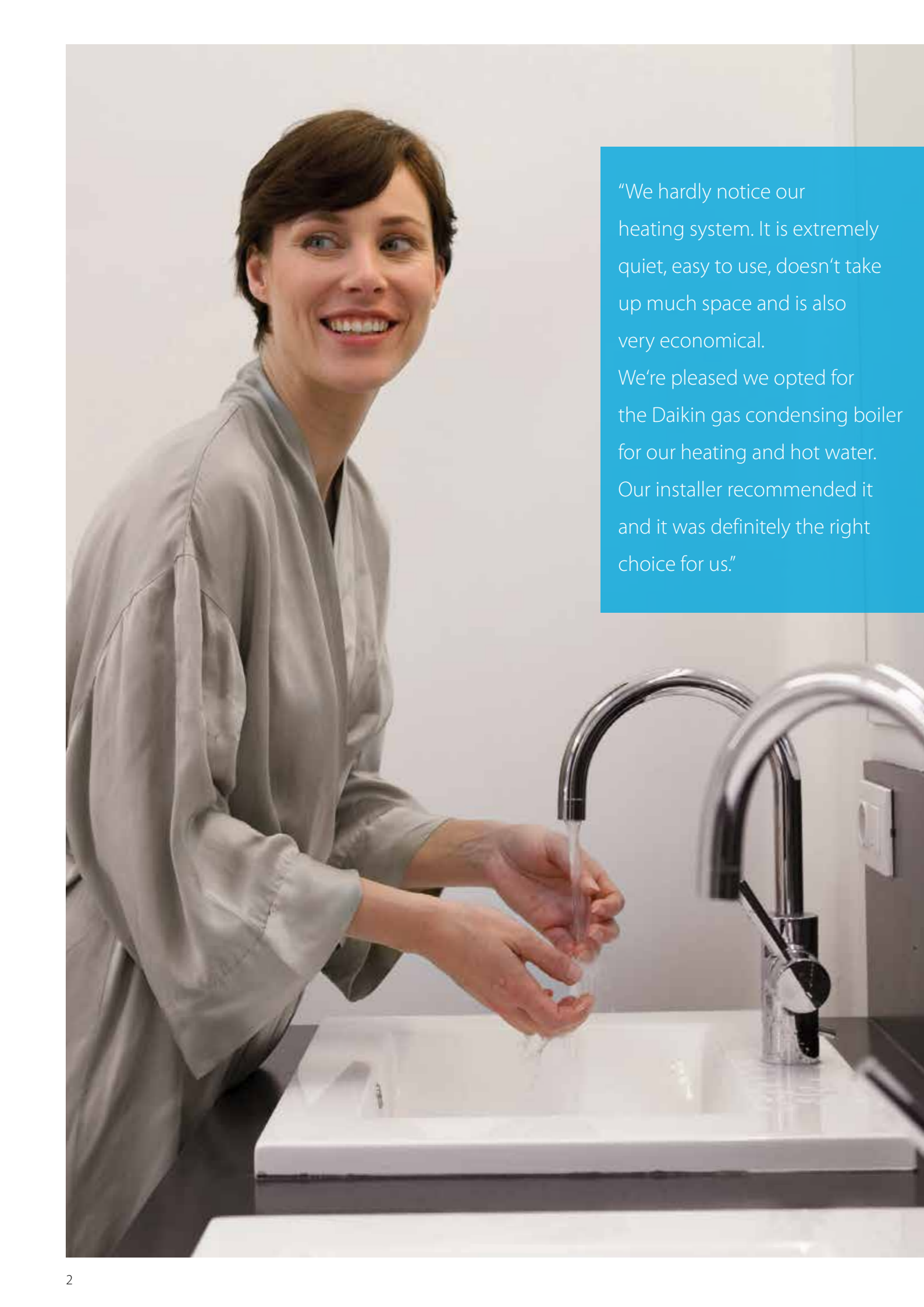




Wall mounted  
gas  
condensing  
boiler

Warmly recommended: efficient, safe, economical

A woman with short brown hair, wearing a light grey bathrobe, is smiling and washing her hands in a white rectangular sink. The sink has a modern chrome faucet with a curved spout. The background is a plain, light-colored wall.

"We hardly notice our heating system. It is extremely quiet, easy to use, doesn't take up much space and is also very economical.

We're pleased we opted for the Daikin gas condensing boiler for our heating and hot water. Our installer recommended it and it was definitely the right choice for us."

# Gas condensing technology

## The best response to rising prices: efficiency

Energy is becoming increasingly precious and expensive. Choosing a boiler for your heating system is a decision affecting the next 15 to 25 years. During this time costs for your heating system will rise to a multiple of its initial investment. When investing in a new heating system, it is therefore worth giving the decision careful consideration. Gas condensing systems from Daikin are developed and manufactured according to the very latest combustion and thermal technology.

## Get more from condensing technology.

State of the art condensing technology converts fuel into available heat with virtually no losses. Flue gases are cooled until the water vapour they contain has been condensed. The energy generated is used as heating energy. This makes gas condensing boilers up to 20% more efficient than standard boilers.

## Optimum technology, maximum efficiency, minimum footprint – the Daikin EKOMB(G).

Thanks to energy-saving condensing technology, the Daikin EKOMB(G) achieves efficiency levels of up to 109%. The small footprint, extremely straightforward operation and installation, quiet running and maximum efficiency for domestic hot water and central heating are all features that set these Daikin gas condensing boilers apart.

## Hot water at any time.

For DHW heating, you can opt for the hygienic instantaneous water heater principle or use the boiler in conjunction with the Daikin high performance domestic hot water tank for maximum DHW hygiene and convenience.

## The combi boiler

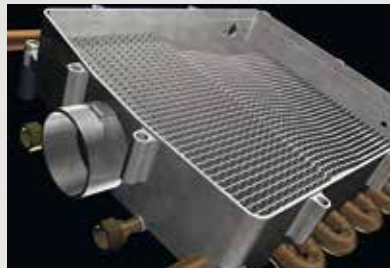
Through the application of the instantaneous water heater principle, the Daikin EKOMB(G) heats DHW particularly efficiently thanks to its special 2-in-1 heat exchanger. Additional functions offer optimum convenience: the COMFORT function ensures that hot water is available quickly whenever you want it. In ECO mode, the boiler "learns" to recognise your specific hot water requirements and pre-heats the water accordingly.



Daikin EKOMB(G) – the intelligent combi boiler for  
domestic hot water and central heating.



Daikin EKOMB straight fins



Daikin EKOMB labyrinth fins

### Innovative heat exchangers.

The larger heat exchanger surface with labyrinth fins and an high efficiency pump increase DHW heating efficiency to 101.4% in the EKOMBG model (EKOMB model: 95.8%).



## It's a matter of the right technology

### Easy, convenient, individual

The Daikin EKOMB(G) offers two product ranges that can cover every demand. From the EKOMB standard model right through to the EKOMBG high efficiency class, with high efficiency high efficiency pump and larger heat exchanger surface as standard.

### Convenience guaranteed

Heat exchangers in the EKOMB(G) models come with a Daikin 10-year guarantee.

### Quick installation and maintenance

The mounting rail, available as an option, with pre-assembled expansion vessel and all necessary connection valves ensures quick and easy installation in the smallest of spaces. The compact product design, with just a small number of individual parts not only increases the reliability of the boiler, but also reduces the usual maintenance costs. All individual parts, are easily accessible, making maintenance easier too.

## User benefits

- › Energy-saving condensing technology with efficiency levels of up to 109%
- › Maximum efficiency thanks to the 2-in-1 heat exchanger (in every combi boiler)
- › Copper pipes in the heat exchanger for a long service life
- › Extremely convenient technology in the smallest of spaces
- › Very quiet operation
- › With 3-way valve, ideal for use in conjunction with thermal stores
- › 10-year guarantee on the heat exchanger

	Daikin EKOMB	Daikin EKOMBG
Heat exchanger	Straight fins	Labyrinth fins
Circulation pump	High efficiency pump	High efficiency pump
DHW heating efficiency	95.8%	101.4%

### Two product ranges – but always the first choice

The gas condensing boiler is available in two different versions:

- › The EKOMB models are a simple introduction to efficient gas condensing technology.
- › The EKOMBG models offer maximum convenience and maximum efficiency – without compromise



### DHW heating up to 30% more efficient

The special 2-in-1 heat exchanger of the Daikin EKOMB(G) gas condensing boiler is used for central heating and DHW heating. Because it heats the domestic hot water directly, employing the hygienic instantaneous water heater principle, the appliance still operates within the condensing range for DHW heating. This leads to an increase in efficiency of up to 30% compared to conventional gas condensing boilers.



## Specification

Indoor Unit		EKOMB/EKOMBG		22AH	28AH	33AH	22A	28A	33A	
Gas	Connection	Diameter	mm	15		-	15			
	Consumption (G20)	Min-Max	m <sup>3</sup> /h	0.58-2.29	0.74-2.46	---	0.57-2.42	0.75-3.02	0.78-3.39	
	Consumption (G25)	Min-Max	m <sup>3</sup> /h	---			0.66-2.80	0.86-3.50	0.80-3.93	
	Consumption (G31)	Min-Max	m <sup>3</sup> /h	0.22-0.87	---		0.22-0.92	0.28-1.15	0.30-1.29	
Central heating	Heat input Q <sub>n</sub> (net calorific value)	Nom	Min-Max	kW	5.6-18.7	7.1-23.7	7.2-27.3	5.5-23.3	7.2-29.1	7.5-32.7
	Heat input Q <sub>n</sub> (gross calorific value)	Nom	Min-Max	kW	6.2-20.8	7.9-26.3	8.0-30.3	6.1-25.9	8.0-32.3	8.3-36.3
	Output P <sub>n</sub> at 80/60°C	Min-Nom		kW	--17.8	--22.8	7.1-26.3	5.4-22.7	7.1-28.4	7.4-32.1
	Output P <sub>nc</sub> at 50/30°C	Min-Nom		kW	---		7.8-27.1	5.9-23.8	7.7-31.1	8.2-35.0
	Output at 40/30°C	Min		kW	-		7.7	5.9	7.7	8.2
	Water pressure (PMS)	Max		bar	3	-		3		
	Water temperature	Max		°C	-			90		
	Efficiency	Net calorific value		%	107					109
	Operation range	Min/Max		°C	-/-					
Domestic hot water	Heat input (net calorific value) Q <sub>nw</sub>	Nom	Min-Max	kW	5.6-22.1	7.1-28.0	---	5.5-23.3	7.2-29.1	7.5-32.7
	Heat input (gross calorific value) Q <sub>nw</sub>	Nom	Min-Max	kW	6.2-24.6	7.9-31.1	---	6.1-25.9	8.0-32.3	8.3-36.3
	Output	Min-Nom		kW	---			5.9-22.7	7.7-28.4	8.2-32.1
	Domestic hot water threshold			l/min	1.5		-	1.5		
	Water flow	Rate	Nom	l/min	10.0 / 6.0	12.5 / 7.5	-	10.0 / 6.0	12.5 / 7.5	15.0 / 9.0
	Temperature	Factory setting		°C	60					
	Operation range	Min/Max		°C	40/65			-/-		
Supply air	Connection		mm	100		-	100			
	Concentric			-			Yes			
Flue gas	Connection		mm	60	-		60			
Casing	Colour			White - RAL9010		-	White - RAL9010			
	Material			Precoated sheet metal		-	Precoated sheet metal			
Dimensions	Unit	HeightxCasingxIntegrated on indoor unitxWidth	mm	590x-x450x240	650x-x450x240	-	590x-x450x240	650x-x450x240	710x-x450x240	
Weight	Unit	Empty	kg	30	33	-	30	33	36	
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230						
Electrical power consumption	Max.		W	80						
	Standby		W	2						
Domestic hot water heating	General	Declared load profile		L	XL		L	XL		
		η <sub>wh</sub> (water heating efficiency)	%	84	87		84	87		
		Water heating energy efficiency class		A						
Space heating	General	η <sub>s</sub> (Seasonal space heating efficiency)	%	93					94	
		Seasonal space heating eff. class		A						

## Our promise...

... is to ensure that customers can depend on Daikin for the ultimate in comfort, so that they are free to focus on their own working and home lives.

We promise to dedicate ourselves to technological excellence, a design focus and the highest quality standards so that our customers can trust and rely on the comfort we deliver.

Our promise to the planet is absolute. Our products are at the forefront of low energy-usage and we will innovate to further reduce the environmental impact of HVACR (Heating, Ventilation, Air conditioning, Refrigeration) solutions.

We lead where others follow. We will continue our global leadership in HVACR solutions as our specialist expertise in all market sectors combined with 90 years' experience enable us to deliver added value in long-lasting relationships based on trust, respect and credibility.

We promise to continue our forward-thinking ethos, treating challenges as opportunities to produce ever-better solutions. We will drive innovation and go the extra distance for our customers and our company.

We will be smart and ready to do things differently. We will deliver on these core values of our brand and enjoy sustainable success with continued growth.

