

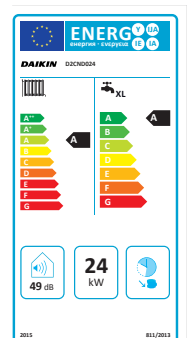


Wall mounted gas condensing boiler

D2(C/T)ND



Engineered with innovative condensing technology to provide efficient and reliable heating and hot water



Design and performance: the Daikin gas condensing boiler signature

The wall mounted gas condensing boiler is 100% designed and built by Daikin. Attractive and efficient, it is made of a modern condensing technology.

This brand-new gas condensing boiler is available in different models:

- > 5 models for space heating only with optional domestic water heating with a separated tank: 12, 18, 24, 28 and 35 KW
- > 3 models for space and domestic water heating (combi): 24, 28 and 35 kW

Small gas condensing combi boiler

The smallest Combi boiler

Occupies only
0.06* m³

590 mm



256 mm

400 mm

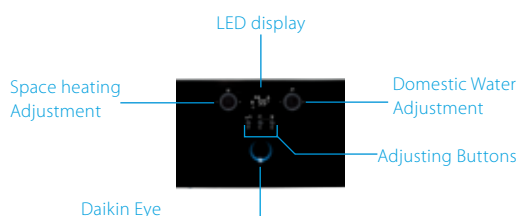
Lightweight Combi boiler

27* kg


*12 to 24kW models

Unique design & stylish front panel

- > Modern interface
- > State-of-the-art technology combined with an user friendly design



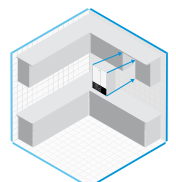
Daikin Eye: Monitor the operating status of the boiler

 When the Daikin Eye indicates a **blue** colour, it means the combi boiler is functioning properly. The Daikin Eye will flash on and off when it's running on stand by mode.

 When the Daikin Eye indicates a **red** colour, it means the combi boiler is out of commission and requires a maintenance check.

Easy installation

Thanks to its compactness and its flexibility, it can be installed everywhere, even in the kitchen.



High energy efficiency gas condensing boiler

The Daikin wall mounted gas condensing boiler is equipped with a high-end technology to assure an optimal comfort and energy savings.

- > **Flexible installation and use** thanks to its compact dimensions (wall footprint of 0.23m²*), lightweight and Lambda Gx combustion technology
- > **Silent** way of working due to its wide modulation range
- > **Easy maintenance:** components are all accessible via the front panel
- > **Easy to control** via a smartphone or a tablet with the Daikin Online Controller app

*12 to 24kW models

System description



Fan

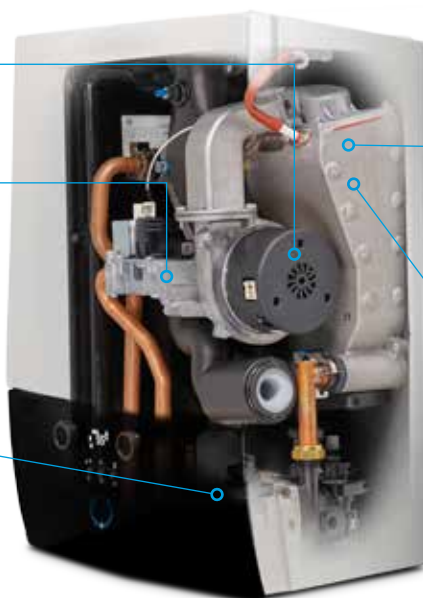
High seasonal efficiency 1/8 modulation ratio thanks to frequency controlled fan construction.

Gas Valve

Lambda Gx system ensures combustion control with optimal air and gas combination. Provides fast and automatic adaptation to different types of gases and prevents unstable combustion in device to ensure a long service life.

Hydraulics Group

Brass soldered, stainless heat exchanger with high heat transfer capacity and high corrosion resistance. High material quality with brass hydraulics group and Daikin's custom designed siphon.



Burner Group

The combi boiler can continuously operate at a minimum capacity of 3 kW thanks to its metal-fibre alloy burner.



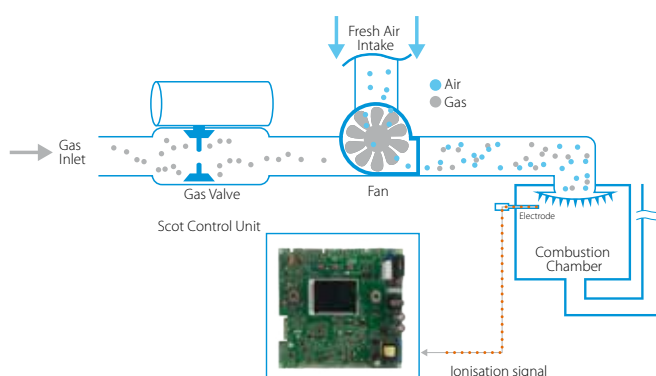
Daikin custom design exchanger

FULL Condensing, High Efficiency and Premix Heat Exchanger - designed with technology and R&D power of Daikin.

Lambda Gx, automatic gas adaptation system

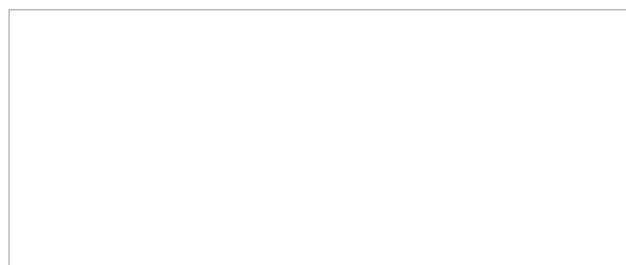
Lambda Gx aims to regulate the combustion of air and gas in suitable amounts to ensure the lambda (excess air factor) meets the required level.

- > The system controls the amount of air and gas independently, based on the flame quality (ionisation current).
- > Any fluctuation in the air and gas balance, (due to either outside air temperature or natural gas quality), can be detected by an ionisation current and electronically corrected.
- > To achieve an efficient combustion process, gas is gradually released into the mixture until the ideal ratio between gas and air is attained. This function also extends the service life of the device and reduces the emission of harmful gases into the environment.



Indoor unit				D2xND	2TND012A4A	2TND018A4A	2TND024A4A	2TND028A4A	2TND035A4A	2CND024A1A	2CND028A4A	2CND035A1A	
Central heating	Heat input	Nom	Min/Max	kW	2.9/11.2	2.9/17.0	2.9/23.5	4.8/27	4.8/34	2.9/23.5	4.8/27	4.8/34	
	Qn (net calorific value)												
	Heat input	Nom	Min/Max	kW	3.2/12.4	3.2/18.9	3.2/26.1	5.3/30	5.3/37.8	3.2/26.1	5.3/30	5.3/37.8	
	Qn (gross calorific value)												
	Output Pn at 80/60°C	Min/Nom		kW	2.8/10.9	2.8/16.6	2.8/22.8	4.6/26.3	4.6/33.2	2.8/22.8	4.6/26.3	4.6/33.2	
	Output Pnc at 50/30°C	Min/Nom		kW	3.1/12.0	3.1/18.0	3.1/24.0	5.2/28.2	5.2/35	3.1/24.0	5.2/28.2	5.2/35	
	Water pressure (PMS)	Max		bar	3								
	Water temperature	Max		°C	100								
	Efficiency	Net calorific value		%	98.6	98.2	97.9	98.2		97.9	-	-	
	Operation range	Min/Max		°C	30/80								
Piping connections				19 (3/4") Male									
Domestic hot water	Heat input	Nom	Min/Max	kW	2.9/11.2	2.9/17.0	2.9/23.5	4.8/29.5	4.8/34	2.9/23.5	4.8/29.5	4.8/34	
	Qnw (net calorific value)												
	Heat input	Nom	Min/Max	kW	3.2/12.4	3.2/18.1	3.2/26.1	5.3/32.7	5.3/37.7	3.2/26.1	5.3/32.7	5.3/37.7	
	Qnw (gross calorific value)												
	Domestic hot water threshold			l/min	-				2.5	2.0	2.5		
	Temperature Factory setting			°C	50								
Operation range	Min/Max		°C	35/60									
Piping connections				19 (3/4") Male									
Connection diameter for heat flow and return				12.7 (1/2") Male									
Gas	Connection diameter			mm	19 (3/4") Male								
	Gas connection diameter			mm	19 (3/4") Male								
	Consumption (G20)	Min/Max		m³/h	0.31/1.18	0.31/1.80	0.31/2.48	0.511/2.89	0.511/3.63	0.31/2.48	0.511/2.89	0.511/3.63	
	Consumption (G25)	Min/Max		m³/h	0.36/1.38	0.36/2.09	0.36/2.89	0.59/3.32	0.59/4.19	0.36/2.89	0.59/3.32	0.59/4.19	
	Consumption (G31)	Min/Max		m³/h	0.12/0.46	0.12/0.69		0.2/1.1	0.2/1.38	0.12/0.96	0.2/1.1	0.2/1.38	
Supply air	Connection			mm	100								
	Concentric				1								
Flue gas	Connection			mm	60								
	Space heating			%	93								
Domestic hot water heating	General	Seasonal space heating efficiency		%	A								
		Declared load profile			-								
		ηwh (water heating efficiency)		%	-								
Casing	Colour	Material			Titanium White (Ral9003)								
		Sheet metal			Powder painted galvanised steel plate 690x440x295				Sheet metal		Powder painted galvanised steel plate 690x440x295		
Dimensions	Unit	Height x Width x Depth	Casing	mm	590x400x256				590x400x256		690x440x295		
Weight	Unit	Empty	kg	27				36		27		37	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230				1~/50/230		1~/50/230		
Electrical power consumption	Max.			W	86				92		86		
	Standby			W	3.5				2.7		3.5		

Daikin Europe N.V. Naamloze Vennootschap Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Responsible Editor)



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