



COILMASTER

FLOOR STANDING CONDENSING COMBINATION BOILERS
DELIVERING HEATING AND HOT WATER

35-45-60-80-100-120

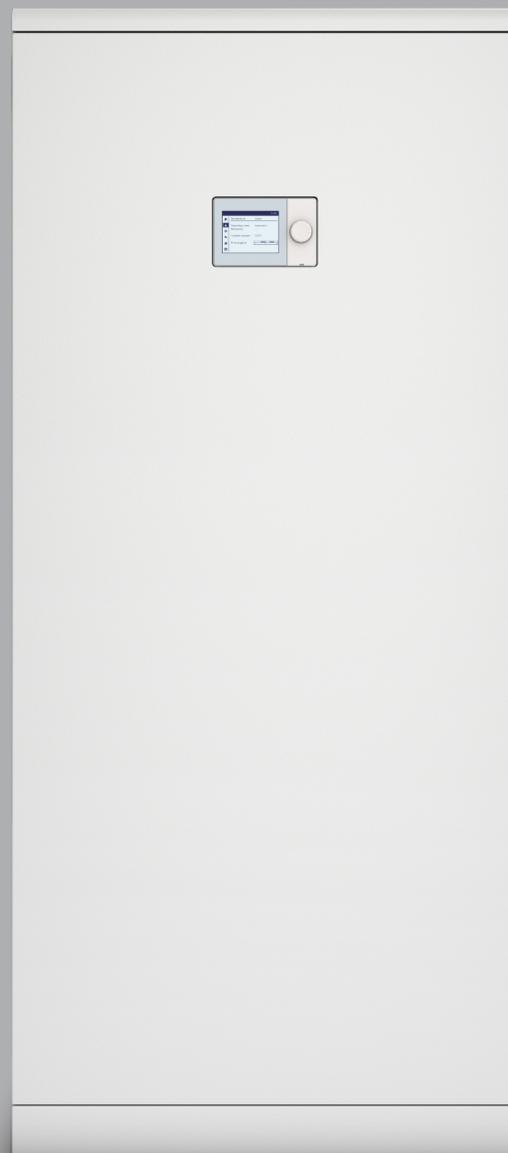


COIL**MASTER**

FLOOR STANDING CONDENSING COMBINATION BOILERS DELIVERING HEATING AND HOT WATER

Floor standing range from 35 kW to 120 kW

Condensing boilers and hot water generators from AIC cover a wide range of outputs and provide solutions for diverse commercial applications. All boilers and water heaters are built around our own high quality stainless steel heat exchangers, which are designed, developed and manufactured by our in house engineers at AIC.



5 YEARS WARRANTY*
BOILERS

10 YEARS WARRANTY*
HEAT EXCHANGER

* - subject to Terms and Conditions

COILMASTER

FLOOR-STANDING CONDENSING BOILERS

COILMASTER - a range of condensing commercial combination boilers, delivering heating and hot water in a single unit.

Designed to optimize efficiency and performance, with an additional domestic hot water circuit for immediate response to hot water demands. All 6 models are equipped with stainless steel heat exchangers and stainless steel inlet and outlet water manifolds.



All **COILMASTER** boilers use an advanced boiler management controller, characterised by easy maintenance and flexibility.



The CoilMaster's essential components are stainless steel heat exchangers. The Fire Tube heat exchangers have been engineered for market leading performance making the boiler one of the most efficient in its class. High grade stainless steel alloys ensures product durability, higher resistance to oxidation and corrosion. Not only is the heat exchanger manufactured using high grade stainless steel the internal pipework is also stainless steel.

All water connections on the CoilMaster are located on the same side, making the installation process easy and simple. Smart design and reduced number of parts make the CoilMaster built to last.

The integration of the stainless steel DHW circuit results in an immediate response to hot water demand. The CoilMaster can be connected to the incoming mains water using the necessary safety kit, delivering mains pressure hot water continuously as required.

Thermal efficiency up to:

104%

Modulation ratio up to:

10:1

Nox class:

6

KEY FEATURES & BENEFITS

Stainless steel Fire Tube heat exchanger

Additional DHW circuit

Small footprint

Exceptional modulation ratio

Low NOx burner

Easy installation and serviceability





DOMESTIC HOT WATER

Water heating efficiency:

Class A

Load profile for water heating:

XXL



01 Stainless steel Fire Tube heat exchanger with additional DHW circuit

02 Air inlet and flue gas concentric connection

03 Premix burner

04 High efficiency circulation pump

05 Stainless steel condensate dish

06 Condensate trap

COILMASTER

TECHNICAL SPECIFICATIONS

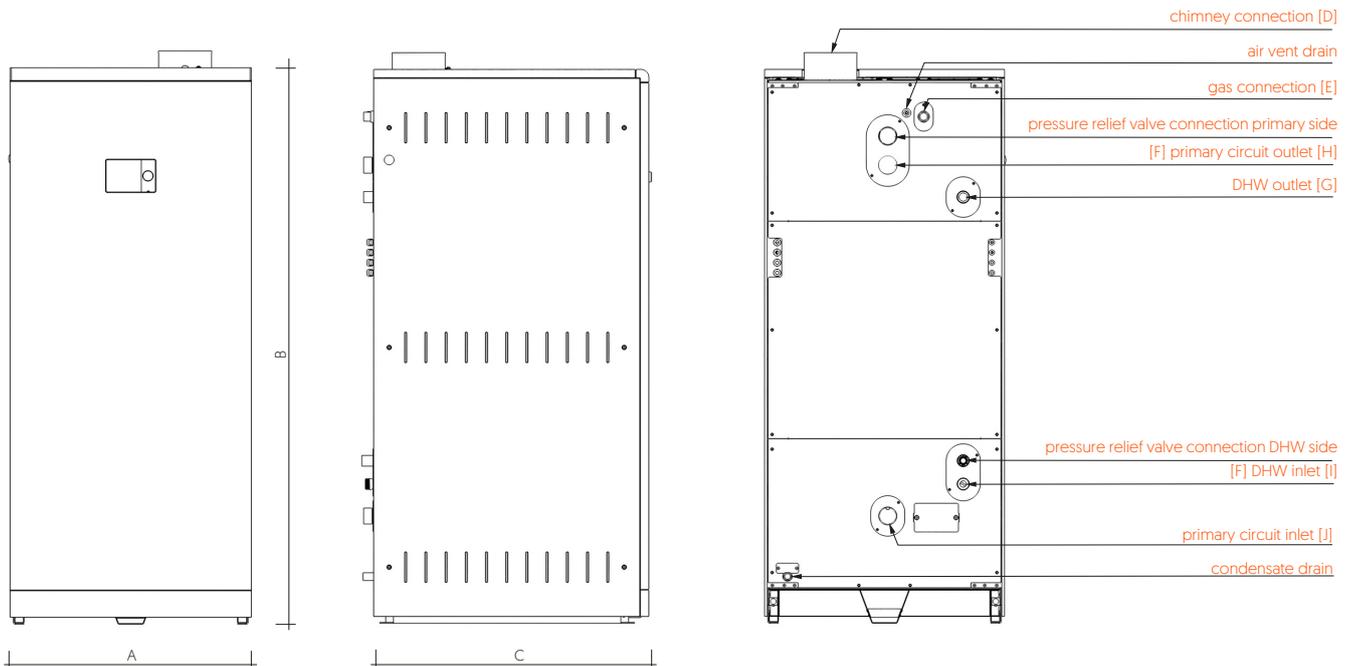
		CM 35	CM 45	CM 60	CM 80	CM 100	CM 120
HEATING PERFORMANCE							
heat input (net)	kW	5 - 34.9	5 - 45	9.5 - 57.5	9.5 - 80	12.5 - 99	12.5 - 115
heat output at 80/60°C	kW	4.9 - 34	4.9 - 43.9	9.2 - 55.9	9.2 - 77.8	12.1 - 97.2	12.1 - 112.9
heat output at 50/30°C	kW	5.4 - 37.6	5.4 - 48.4	10.3 - 61.6	10.3 - 85.9	13.4 - 106.9	13.4 - 124.2
efficiency at 30% load	%	108.3	108.5	108.2	108.4	108.2	108.2
seasonal efficiency	%	92.4	93	92.4	93	93	93
GENERAL							
weight (empty)	kg	180	180	200	200	285	285
energy class		A	A	A	-	-	-
gas category		I2E(S), I2E, I2Er, I2H, I3P, II2E3P, II2EK3P, II2ELL3P, II2Esi3P, II2H3P, II2L3P				I2E(S), I2E, I2Er, I2H, I3P, II2E3P, II2EK3P, II2Esi3P, II2H3P, II2L3P	
gas type		G20, G25, G25.3, G31					
accepted flue configurations		B23, B23p, C13, C33, C43, C53, C63, C83, C93					
flueconnection	mm	80/125	80/125	100/150	100/150	100/150	100/150
capacity of domestic hot water	l	10.6	10.6	18	18	25	25
NOx class		6	6	6	6	6	6
max operating temperature (DHW)	°C	80	80	80	80	80	80
max service pressure heating (primary)	bar	3	3	3	3	3	3
max service pressure (DHW)	bar	8	8	8	8	8	8
voltage	V	230	230	230	230	230	230
DOMESTIC HOT WATER PERFORMANCE							
1 st hour and continuous hour at 40°C	l/min	17.8	22	27.2	37.2	47.5	54.5
1 st hour and continuous hour at 60°C	l/min	10	12.5	19.5	22.3	26	30.5
water heating efficiency	%	104					
load profile for water heating		XXL					

DIMENSIONS

		CM 35	CM 45	CM 60	CM 80	CM 100	CM 120
boiler width [A]	mm	602	602	632	632	698	698
boiler height [B]	mm	1604	1604	1446	1446	1650	1650
boiler depth [C]	mm	641	641	774	774	801	801

CONNECTIONS

chimney connection [D]	mm	80/125	80/125	100/150	100/150	100/150	100/150
gas connection [E]	inch	3/4	3/4	3/4	3/4	3/4	3/4
pressure relief valve connection primary side [F]	inch	1	1	1 1/4	1 1/4	1 1/4	1 1/4
pressure relief valve connection DHW side [F]	inch	3/4	3/4	1	1	1	1
DHW outlet [G]	inch	3/4	3/4	1	1	1	1
primary circuit outlet [H]	inch	1	1	1 1/2	1 1/2	1 1/2	1 1/2
DHW inlet [I]	inch	3/4	3/4	1	1	1	1
primary circuit inlet [J]	inch	1	1	1 1/2	1 1/2	1 1/2	1 1/2



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AIC Heating UK Ltd. is a subsidiary of AIC Europe B.V., Graafschap Hornelaan 163, NL-6001 AC Weert, The Netherlands. AIC Europe B.V. is a designer and manufacturer of high-efficiency condensing appliances for commercial applications.

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