

GAS

WALL-HUNG GAS CONDENSING BOILER, FOR HEATING AND DHW PRODUCTION WITH INTEGRATED CALORIFIER

ADVANCE



NEW



Evodens

AMC 25/28 BIC, 25/39 BIC from 5.6 to 25.5 kW

point

Automatic filling
Brass hydraulic body
DIEMATIC Evolution regulation
Compact
Specific hot water flow 24 l/min



Wall-hung gas condensing boiler, equipped to operate on natural gasses

- Low pollutant emissions
- Molded cast alloy aluminium/silicium exchanger
- Gas premix burner in stainless steel modulating from 22 to 100% of output, with non return valve to operate on a collective flue system
- Boiler equipped with:
 - Brass hydraulic module body, mounting frame with prefitted water and gas valves allowing an automatic filling, a modulating pump, 3 bar safety valve, 12 litre expansion vessel (no vessel on AMC 35) heating/DHW reversal valve, automatic air vent.

- Control panel DIEMATIC Evolution with outdoor sensor (see regulation options on following pages)
- DHW tank comprising 3 interconnected fully insulated stainless steel stratification tanks, combined with a plate exchanger and a load pump, with a total capacity of 40 litre, integrated in the boiler.
- DHW expansion vessel delivered
- Boiler/tank connecting pipe and DHW sensor delivered
- Packaging: 1 package

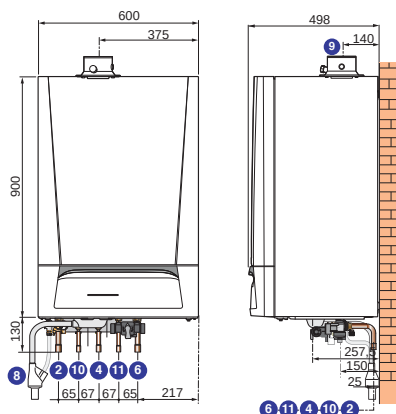
N° CE 0063CR3604

OPTIONS: see following pages/ FLUE SYSTEMS: see chapter 16

MAIN DIMENSIONS (mm and inches)

- ② Heating flow Ø 22 mm int.
- ④ Gas inlet Ø 18 mm int.
- ⑥ Heating return Ø 22 mm int.
- ⑧ Condensates drain (run-off collecteur delivered) PVC Ø 32 mm to besticked
- ⑨ Evacuation of combustion products and air inlet pipe Ø 60/100 mm
- ⑩ DHW outlet Ø 16 mm int.
- ⑪ Domestic cold water inlet Ø 16 mm int.

R: Threading



AMC_F0005

TECHNICAL SPECIFICATIONS

Condensing

Max. operating temperature: 90°C
Max. operating pressure: 3 bar

Safety thermostat: 110°C
Power supply: 230 V/50 Hz/6A

Protection index: IP X4D
NOx classification: 6

Classification: B_{33x}, B_{23x}, B_{23P}, C_{13x},
C_{33x}, C_{93x}, C_{53x}, C_{43x},
C_{83x}, C_{(10)3x}, C_{(12)3x}

MODEL

	AMC	25/28 BIC	25/39 BIC
Useful output at 50/30°C Pn (heating mode)	kW	5.6-25.5	7.9-24.5
Nominal output at 80/60°C (DHW mode)	kW	5.0-28.6	7.1-39.7
Efficiency at ...% output and ...°C	%	99.2	Consult us
water temperature ...°C	%	110.1	Consult us
Seasonal space heating energy efficiency (without contribution of regulation)	%	94	94
Seasonal space heating energy efficiency (with outdoor sensor)	%	96	96
Manometric height available heating circuit at Pn	mbar	355	355
Water content	L	1.8	2.4
Stand by losses at ΔT = 30 K	W	71	71
Auxiliary electrical power (ex. heating pump) at Pn	W	84	92
Electrical power heating pump	W	40	43
Electrical power at zero load	W	5	5
Useful output at 80/60°C mini/maxi	kW	5.0-24.8	7.1-23.8
Flue gas pressure available	Pa	130	160
DHW calorifier capacity	L	40.5	40.5
Exchanged power	kW	28.6	39.7
Flow over 10 min at ΔT = 30 K	l/10 min	200	240
Specific rate at ΔT = 30 K (compliance with EN 13203-1)	l/min	20*	24*
Flow per hour at ΔT = 35 K	l/h	746	1236
Net weight	kg	74	69

DHW performances at room temperature 20°C, cold water temp. 10°C, primary hot water temp. 80°C, storage temp. 85°C

* Certification in progress

MODEL

	MCA	25/28 BIC	25/39 BIC
Package		HR132	HR133
Boiler	Ref.	7670371	7670372