

COILMASTER 35-45



Performance			CM 35	CM 45
Heat input (net)	G20 / G25 / G31	kW	4,5-34,9	4,5-45,0
	G20Y20 ⁽¹⁾	kW	4,3-33,0	4,3-42,6
Heat output at 80/60 °C	G20 / G25	kW	4,4-34,1	4,4-44,0
	G20Y20 ⁽¹⁾	kW	4,2-32,3	4,2-41,6
Heat output at 50/30 °C	G20 / G25	kW	4,9-37,6	4,9-48,4
	G20Y20 ⁽¹⁾	kW	4,6-35,6	4,6-45,8
Efficiency			CM 35	CM 45
Heating efficiency 80/60 °C	G20	%	97,2-97,3	97,2-97,3
Heating efficiency 50/30 °C	G20	%	108,3-107,8	108,5-107,6
Useful efficiency at 30% (return 30 °C)	G20	%	108,3	108,5
Seasonal efficiency	G20	%	92	93
Domestic hot water performance ⁽²⁾			CM 35	CM 45
Load profile	-		XXL	XXL
Peak flow at 40 °C first 10 minutes (storage temp. 80 °C)	l/10'		229	263
Peak flow at 40 °C first hour (storage temp. 80 °C)	l/60'		1112	1362
Continuous flow rate 40 °C (ΔT = 30 K)	l/h		1068	1320
Continuous flow rate 50 °C (ΔT = 40 K)	l/h		796	989
Continuous flow rate 60 °C (ΔT = 50 K)	l/h		600	750
DHW efficiency at ΔT = 30 K	%		104	104

(1) Up to 20 vol. % hydrogen.
(2) Operating conditions: DHW set point T = 80 °C, Cold water inlet T = 10 °C.
(3) 15 °C, 1.013,25 mbar, dry gas.

General			CM 35	CM 45
Energy consumption	W		45	86
Supply voltage / frequency	V/Hz		230/50	230/50
Protection class	IP		20	20
Seasonal space heating energy efficiency class			A	A
Range of space heating energy efficiency classes			A+++ → D	A+++ → D
Domestic hot water efficiency class			A	A
Range of domestic hot water energy efficiency classes			A+ → F	A+ → F
Gas appliance category			I2E(S), I2E, I2Er, I2H, I3P, II2E3P, II2EK3P, II2ELL3P, II2Esi3P, II2H3P, II2L3P	
Gas type			G20, G20Y20 ⁽¹⁾ , G25, G25.3, G31	
Chimney type(s)			B23, B23p, C13, C33, C43, C53, C63, C83, C93	
Capacity - space heating	l		43,6	43,6
Capacity - domestic hot water	l		10,6	10,6
CO emission (0% O ₂)	mg/kWh		7,5	7,5
Gas flow rate	G20 ⁽³⁾	m ³ /h	0,5-3,7	0,5-4,8
	G25 ⁽³⁾	m ³ /h	0,6-4,2	0,6-5,6
	G31 ⁽³⁾	m ³ /h	0,2-1,4	0,2-1,8
	G20Y20 ^{(1),(3)}	m ³ /h	0,5-3,7	0,5-4,8
NOx class			6	6
NOx emission	mg/kWh		24,3	28,9
Max temperature - space heating	°C		95	95
Max temperature - DHW	°C		80	80
Max operating pressure - space heating	bar		3	3
Max operating pressure - DHW	bar		8	8

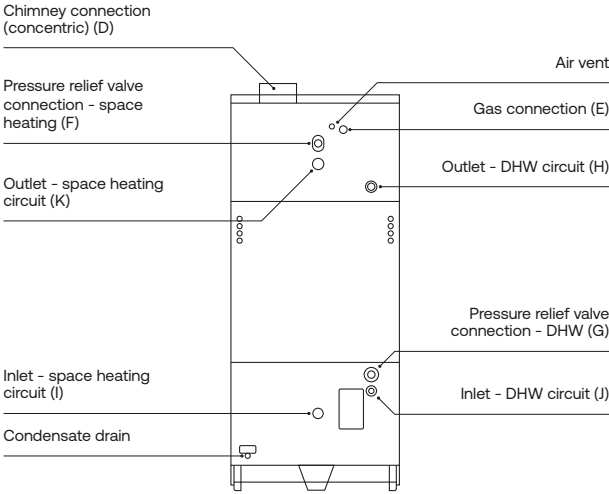
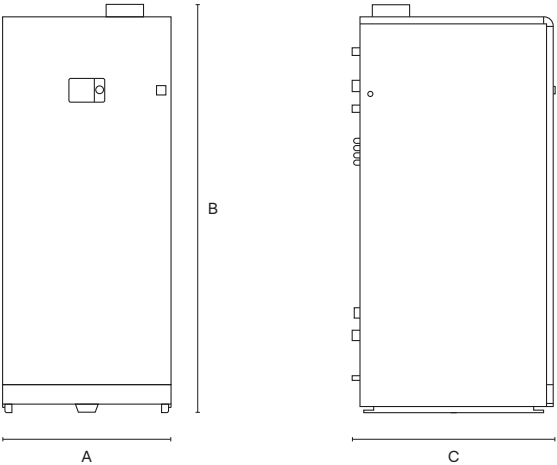
(1) Up to 20 vol. % hydrogen.

(2) Operating conditions: DHW set point T = 80 °C, Cold water inlet T = 10 °C.

(3) 15 °C, 1.013,25 mbar, dry gas.

Dimensions		CM 35	CM 45
Width (A)	mm	600	600
Height (B)	mm	1676	1676
Depth (C)	mm	640	640
Empty weight	kg	180	180

Connections		CM 35	CM 45
Chimney connection (concentric) (D)	mm	80/125	80/125
Gas connection (E)	inch	3/4	3/4
Pressure relief valve connection - space heating (F)	inch	1	1
Pressure relief valve connection - DHW (G)	inch	3/4	3/4
Outlet - DHW circuit (H)	inch	3/4	3/4
Inlet - space heating circuit (I)	inch	1	1
Inlet - DHW circuit (J)	inch	3/4	3/4
Outlet - space heating circuit (K)	inch	1	1



COILMASTER 60-120



Performance			CM 60	CM 70	CM 80	CM 100	CM 120
Heat input (net)	G20 / G25 / G31	kW	9,5-57,5	9,5-69,9	9,5-80,0	12,5-99,0	12,5-115,0
	G20Y20 ⁽¹⁾	kW	9,0-54,4	9,0-66,2	9,0-75,7	11,8-93,7	11,8-108,9
Heat output at 80/60 °C	G20 / G25	kW	9,2-56,1	9,2-68,2	9,2-77,8	12,1-97,2	12,1-112,9
Heat output at 50/30 °C	G20 / G25	kW	10,3-61,6	10,3-74,9	10,3-85,9	13,4-106,9	13,4-124,2
Efficiency			CM 60	CM 70	CM 80	CM 100	CM 120
Heating efficiency 80/60 °C	G20	%	97,1-97,3	97,3-97,3	97,2-97,3	97,5-97,8	97,5-97,9
Heating efficiency 50/30 °C	G20	%	108,2-107,2	108,0-107,2	108,4-107,4	107,7-108,0	107,7-108,0
Useful efficiency at 30% (return 30 °C)	G20	%	108,2	108,0	108,4	108,2	108,2
Seasonal efficiency	G20	%	92	92	93	93	93
Domestic hot water performance ⁽²⁾			CM 60	CM 70	CM 80	CM 100	CM 120
Load profile	-		XXL	XXL	XXL	XXL	XXL
Peak flow at 40 °C first 10 minutes (storage temp. 80 °C)	l/10'		344	384	423	546	602
Peak flow at 40 °C first hour (storage temp. 80 °C)	l/60'		1703	1994	2283	2921	3327
Continuous flow rate 40 °C ($\Delta T = 30$ K)	l/h		1632	1932	2232	2850	3270
Continuous flow rate 50 °C ($\Delta T = 40$ K)	l/h		1224	1449	1674	2138	2453
Continuous flow rate 60 °C ($\Delta T = 50$ K)	l/h		978	1170	1338	1560	1830
DHW efficiency at $\Delta T = 30$ K	%		104	104	104	104	104

(1) Up to 20 vol. % hydrogen.

(2) Operating conditions: DHW set point T = 80 °C, Cold water inlet T = 10 °C.

(3) 15 °C, 1.013,25 mbar, dry gas.

General			CM 60	CM 70	CM 80	CM 100	CM 120
Energy consumption	W		73	120	150	257	300
Supply voltage / frequency	V/Hz		230/50	230/50	230/50	230/50	230/50
Protection class	IP		20	20	20	20	20
Seasonal space heating energy efficiency class			A	A	A	A	A
Range of space heating energy efficiency classes			A+++ → D	A+++ → D	A+++ → D	A+++ → D	A+++ → D
Domestic hot water efficiency class			A	A	A	A	A
Range of domestic hot water energy efficiency classes			A+++ → F	A+++ → F	A+++ → F	A+++ → F	A+++ → F
Gas appliance category			I2E(S), I2E, I2Er, I2H, I3P, II2E3P, II2EK3P, II2ELL3P, II2Esi3P, II2H3P, II2L3P				
Gas type			G20, G20Y20 ⁽¹⁾ , G25, G25.3, G31				
Chimney type(s)			B23, B23p, C13, C33, C43, C53, C63, C83, C93				
Capacity - space heating	l		63	63	63	83	83
Capacity - domestic hot water	l		18	18	18	25	25
CO emission (0% O2)	mg/kWh		43,3	43,3	43,3	28,4	28,4
Gas flow rate	G20 ⁽³⁾	m³/h	1,0-6,0	1,0-7,3	1,0-8,4	1,3-10,5	1,3-12,2
	G25 ⁽³⁾	m³/h	1,1-7,0	1,1-8,5	1,1-9,8	1,5-12,2	1,5-14,2
	G31 ⁽³⁾	m³/h	0,4-2,3	0,4-2,8	0,4-3,3	0,6-4,1	0,6-4,6
	G20Y20 ^{(1),(3)}	m³/h	1,0-6,0	1,0-7,3	1,0-8,4	1,3-10,5	1,3-12,2
NOx class			6	6	6	6	6
NOx emission	mg/kWh		30,3	30,3	30,3	39,7	39,7
Max temperature - space heating	°C		95	95	95	95	95
Max temperature - DHW	°C		80	80	80	80	80
Max operating pressure - space heating	bar		3	3	3	3	3
Max operating pressure - DHW	bar		8	8	8	8	8

(1) Up to 20 vol. % hydrogen.

(2) Operating conditions: DHW set point T = 80 °C, Cold water inlet T = 10 °C.

(3) 15 °C, 1.013,25 mbar, dry gas.

Dimensions		CM 60	CM 70	CM 80	CM 100	CM 120
Width (A)	mm	632	632	632	700	700
Height (B)	mm	1398	1398	1398	1640	1640
Depth (C)	mm	775	775	775	805	805
Empty weight	kg	200	200	200	285	285

Connections		CM 60	CM 70	CM 80	CM 100	CM 120
Chimney connection (concentric) (D)	mm	100/150	100/150	100/150	100/150	100/150
Gas connection (E)	inch	3/4	3/4	3/4	3/4	3/4
Pressure relief valve connection - space heating (F)	inch	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
Pressure relief valve connection - DHW (G)	inch	1	1	1	1	1
Outlet - DHW circuit (H)	inch	1	1	1	1	1
Inlet - space heating circuit (I)	inch	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
Inlet - DHW circuit (J)	inch	1	1	1	1	1
Outlet - space heating circuit (K)	inch	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2

