

VIADRUS

Power of heating

Garde G42 / G42 ECO

Low-temperature cast-iron gas boilers

Garde G42 are low-temperature cast-iron boilers equipped with atmospheric burners. These boilers are determined for low-pressure hot-water heating systems with forced circulation. Electric board is ready for DHW storage tank connection with DHW priority. The boiler original construction reduces condensation in low-temperature operation. It allows to keep return water temperature at about 30°C (e.g. for underfloor heating) without risk of low-temperature corrosion. Exhaust fan and pipes are available for flue gases forced draught without chimney connection. Optional snap-in control sets made by Siemens are available for equithermic or multi-circuit operation.

Advantages:

- long service life of cast-iron boiler block
- high efficiency up to 93%
- flue gases fan for forced draught allows installation without chimney
- optional DHW storage tank with boiler design and DHW priority
- economical low-temperature operation
- optional built-in equithermic control by Siemens
- simple operation and easy service
- two-stage operation (natural gas only)
- environmentally friendly operation thanks to very low emissions
- reliability of control and safety components

Fuel:

- natural gas
- propane

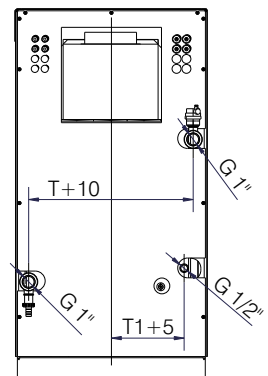
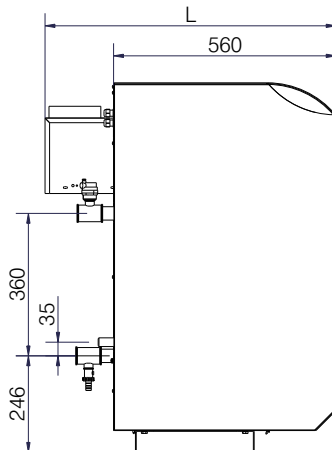
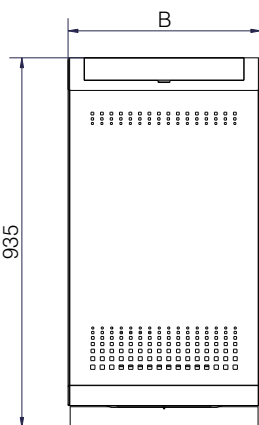
Boiler output (according to fuel and section number):

- 7~49 kW



Technical parameters

Section number	pcs	2	3	4	5	6	7	
Appliance category	-				II _{2H3P}			
Appliance performance	-				B _{11BS}			
NO _x class (G42 / G42 ECO)	-				2 / 5			
Rated heating output (1st/2nd stage)	- natural gas	kW	8 / -	12 / 17	18 / 26	27 / 34	35 / 41	42 / 49
Rated heating output	- propane	kW	7	14	22	30	36	42
Fuel consumption G42 (1st/2nd stage)	- natural gas	m ³ /hour	0,93 / -	1,39~1,98	2,07~2,95	3,14~3,92	4,04~4,73	4,84~5,61
	- propane	m ³ /hour	0,317	0,624	0,936	1,162	1,473	1,796
Fuel consumption G42 ECO (1st/2nd stage)	- natural gas, OVO burner	m ³ /hour	0,93	1,37~1,95	2,03~2,99	3,08~3,90	4,04~4,70	4,82~5,74
	- propane, OVO burner	m ³ /hour	0,316	0,624	1,002	1,338	1,605	1,878
	- natural gas, Furigas burner	m ³ /hour	-	-	2,04~2,95	3,12~3,92	4,03~4,70	4,87~5,65
Efficiency (natural gas / propane)		%			<93 / <92			
Flue gases maximal temperature		°C			120~125			
Dimensions	- depth L x height	mm	733 x 934	733 x 934	733 x 934	733 x 934	773 x 934	773 x 934
	- width B	mm	485	485	485	570	740	740
Weight		kg	75	100	122	146	172	193
Chimney connection diameter		mm	80	110	130	160	170	180
Chimney draught		Pa			>2,5			
Flue gases forced draught pipe maximal length (80 mm diameter)		m	8	8	8	8	5	5
Heating and return water connection / gas connection					1" / 1/2"			
Connecting dimensions for water (T) / for gas (T1)		mm	410 / 202	410 / 202	410 / 202	495 / 245	665 / 330	665 / 330
Water working / testing overpressure		kPa			<400 / 800			
Recommended water working temperature		°C			45~85			
Minimum water inlet temperature		°C			25			
Water volume		l	7,0	9,2	11,4	13,6	15,8	18,0
Connecting voltage					1 PEN ~ 50 Hz 230 V TN-S			
Maximum electric input		kW			0,1			
Electric protection					IP40			
Noise level		dB			<65 dB (A)			



OV100 - boiler design
DHW storage heater



Cast-iron boiler block
(partial cut)



Siemens RVA
equithermic control unit



Your dealer

This is only an illustrative and informative matter.