

VIADRUS

Power of heating



G50

Cast-iron boiler for jet burner

VIADRUS G50 is a three-pass floor-standing boiler equipped with cast-iron boiler block and overpressure combustion chamber. It is determined for low-pressure hot-water heating systems with forced circulation. Maximum temperature of heating water is 90°C. Boiler is ready to be equipped with some of recommended Bentone jet burners. Environmentally friendly operation is guaranteed while using these recommended burners.

Advantages:

- long service life of cast-iron boiler block
- high burning efficiency for all fuels
- economical operation
- delivery including the burner (on demand)
- fully automatic two-stage output operation for selected burner
- operational status signalization or operational data transfer for outer loop control
- boiler control by thermal sensor or by outer loop control

Fuel:

- natural gas
- heating oil

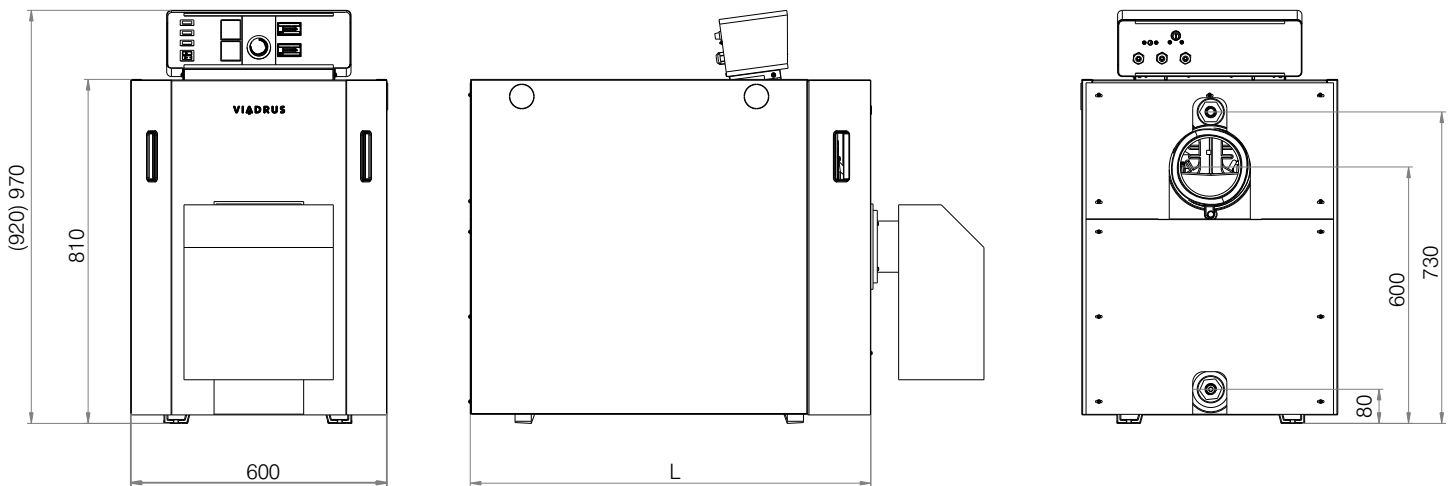
Boiler output (according to fuel and section number):

- 14~80 kW

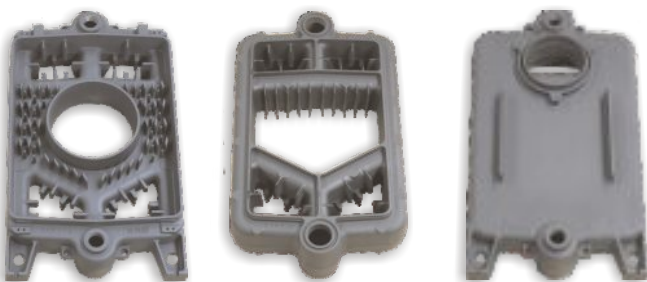


Technical parameters

Section number		pcs	2	3	4	5	6
Rated heating output	- oil / natural gas	kW	25 / 22	37 / 33	46	60	80
Rated thermal power	- oil / natural gas	kW	27 / 24	40 / 36	50	65	87
Fuel consumption at rated output	- oil	kg/hour	2,25	3,36	4,21	5,46	7,64
Fuel consumption at reduced output	- oil	kg/hour	1,65	2,28	3,37	4,20	5,87
Fuel consumption at rated output	- natural gas	m ³ /hour	2,69	4,09	5,63	7,06	10,42
Fuel consumption at reduced output	- natural gas	m ³ /hour	1,71	2,72	4,06	5,42	7,08
Efficiency		%	92,5~95,4				
Flue gases maximum temperature		°C	190				
Combustion chamber maximum overpressure		kPa	0,012	0,015	0,020	0,030	0,034
Dimensions	- width	mm	600				
	- height (w/ control box)	mm	810 (920 / 970)				
	- depth L	mm	490	640	790	940	1090
	- comb. chamber depth	mm	200	350	500	650	800
Burner assembly hole diameter		mm	115				
Weight		kg	150	235	320	405	490
Chimney connection diameter		mm	130	130	150	150	150
Chimney draught		Pa	>5	>5	>10	>10	>10
Heating and return water connection		-	1"	1"	5/4"	5/4"	5/4"
Maximum water working overpressure		kPa	400				
Water testing overpressure		kPa	800				
Maximum heating water temperature		°C	90				
Recommended water working temperature		°C	50~80				
Water volume		l	27	40	53	66	79
Connecting voltage		-	1 PEN ~ 50 Hz 230 V TN-S				
Maximum electric input (w/o burner)		kW	0,1				
Control box electric protection		-	IP40				



Cast-iron boiler sections - front / central / rear



Your dealer