GW Electric Boiler EP BL

GW Electric Boiler EP BL is a reliable and energy-efficient solution for both new heating systems and as a replacement for old boilers. Manufactured by Värmebaronen, the electric boiler is ideally suited for water-based heating systems and industrial processes.

The boilers are available in 11 output classes (52–600 kW). The output is divided into 7 or 15 steps, and the control is always based on the actual heating demand, ensuring maximum energy efficiency.

As fossil fuels are increasingly replaced by alternative heating solutions, the importance of reliable backup systems grows. The GW electric boiler is an excellent choice as a backup heat source.

All models are equipped with a thermostat that keeps the supply water temperature constant. In addition, the intelligent temperature control optimizes power supply and extends the service life of the contactors, further improving reliability and durability.

- Level sensor
- Automatic air vent
- Digital display
- Connection flanges from 67 kW upwards
- Manufacturer: Värmebaronen

		GW EP 52 BL	GW EP 84 BL	GW EP 98 BL	GW EP 119 BL	GW EP 140 BL
Product code		9010331	9010332	9010333	9010334	9010335
Power stages		7	7	7	7	7
Maximum power	kW	52,5	84	98	119	140
Voltage	V	400 V 3~ + control voltage 230 V ~				
Current at maximum power	A	76	121	142	172	202
Power / stage	kW	7,5	12	14	17	20
Design temperature	°C	110				
Operating temperature	°C	20 – 95				
Ambient temperature	°C	10 – 30				
Cable flange		Cable gland Ø34mm	FL 21 Ø60			
Cable connection	mm²	Al/Cu 16-95mm2	M12			
Test pressure		0,86 Mpa (8,6 bar)				
Water volume vessel/Operating pressure		31 l / 0,6 Mpa (6 bar)	60 l / 0,6 Mpa (6 bar)			
Pipe connection, supply/return		R 50 INT	DN 80 PN 16			
Vent valve		Yes				
Depth x width x height	mm	580x455x 1110	675x535x1225			
Weight, not filled with water	kg	80	135			
Minimum ceiling height*	mm	1770	1870			
Enclosure class		IP X1				

		GW EP 210 BL	GW EP 245 BL	GW EP 280 BL	GW EP 350 BL	GW EP 510 BL	GW EP 600 BL
Product code		9010336	9010337	9010338	9010339	9010340	9010341
Power stages		7	7	7	15	15	15
Maximum power	kW	210	245	280	350	511,5	600
Voltage	V	400 V 3~ + control voltage 230 V ~					
Current at maximum power	A	303	354	404	505	738	866
Power / stage	kW	30	35	40	23,3	34	40
Design temperature	°C	FL 33 2x Ø60				FL 33 2 pcs 2xØ60	
Operating temperature	°C	110					
Ambient temperature	°C	20 – 95					
Cable flange		10 – 30					
Cable connection	mm²	M12				2 x M12	
Test pressure		0,86 Mpa (8,6 bar)					
Water volume vessel/Operating pressure		180 l / 0,6 Mpa (6 bar)				315 l / 0,6 Mpa (6 bar)	
Pipe connection, supply/return		DN 100 PN 16					
Vent valve		Yes					
Depth x width x height	mm	900x655x1665				1055x1055x1660	
Weight, not filled with water	kg	250				400	
Minimum ceiling height*	mm	2400					
Enclosure class		IP X1					

* The ceiling height must not be lower than this value in order to allow replacement of the electric heating elements.

Features	
Circuit breaker with shunt release	*No*
	A separate power switch must be installed before the boiler. Only the operating voltage is cut off by the toggle switch on the panel.
Level guard	*Yes*
	Ensures that the boiler does not start if the water level is too low, no burnt-out electric cartridges. Safe and secure!
Overheating protection	*Yes*
	Overheating protection interrupts the operating voltage.
Load guard	*Yes*
	Protects the main fuse from overload. Current transformers are accessories.
Alarms & warnings	*Yes, limited information.*
Outgoing alarm (signal max. 230 V)	*Yes*
Thermography of contactors	The contactors should be temperature measured once a year to detect any wear.
0-10 V Control	*Yes*
Outdoor compensator	*Yes*
	Control the boiler temperature using the outdoor temperature. Outdoor sensors are optional accessories.
Cooling fan (accessory)	A cooling fan can be installed in high ambient temperatures.
Connection terminals on incoming cables	Accessories, included in EP 52 BL
Can be equipped with safety equipment (accessories)	*No*
	A separate steam collection vessel with safety valves, pressure switches and dry boil protection should be installed in the pipe system.
Water connection with counterflange ≥ 67 kW	*Yes*
Drain tap	*No*
	Should be fitted in the pipe system.
Automatic air vent	*Yes*
Pressure gauge	*No*
	A separate pressure gauge is installed in the pipe system.
Maximum pressure	6 bar
Expansion connection	*No*
	Should be installed in the pipe system.