

Fan BL

Product brochure · GB
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krom
schroder

- Low running noise in the boiler due to 3-phase motor with radial rotor
- Characteristic curves adjustable as an option using microcontroller
- Simple installation due to compact design
- Cost-effective alternative to conventional radial fans due to compatible dimensions and connections
- Energy-efficient to ERP Directive 2015

Application



Fan BL 118

In condensing boilers, the speed-controlled fan BL distributes the mixture of gas and air required for the combustion process evenly over the surface of the radiant burner so that it can be combusted perfectly.

The capacity can be adjusted to meet the heat demand via the fan speed. The compact design of the rotor, drive motor and control electronics in a single housing ensures low running noise in the heating device.

The fan can be used in heating devices which are suitable for operation with natural gas, LPG or bio-methane.



Plug connectors on the fan

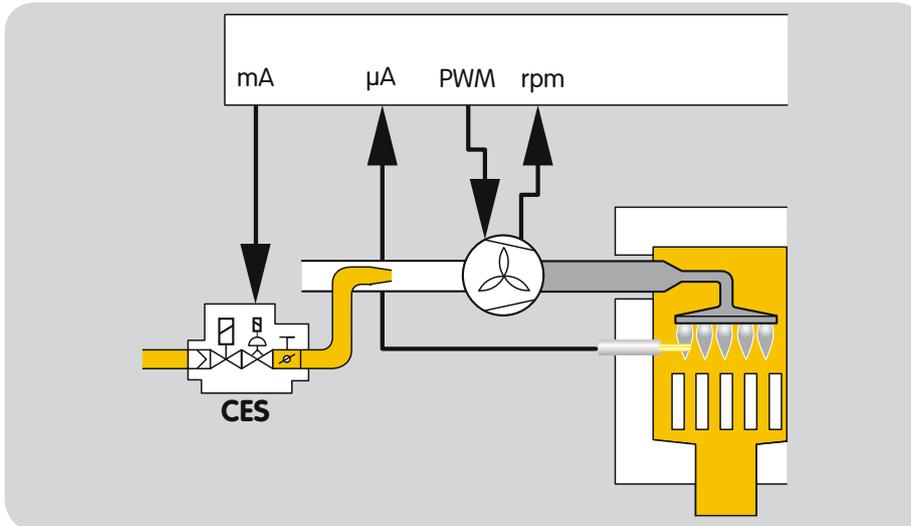
The characteristic curve can be adjusted as an option using the integrated microcontroller.

The optional mixer and adapter enable the fan to be installed direct on the combination control CES.



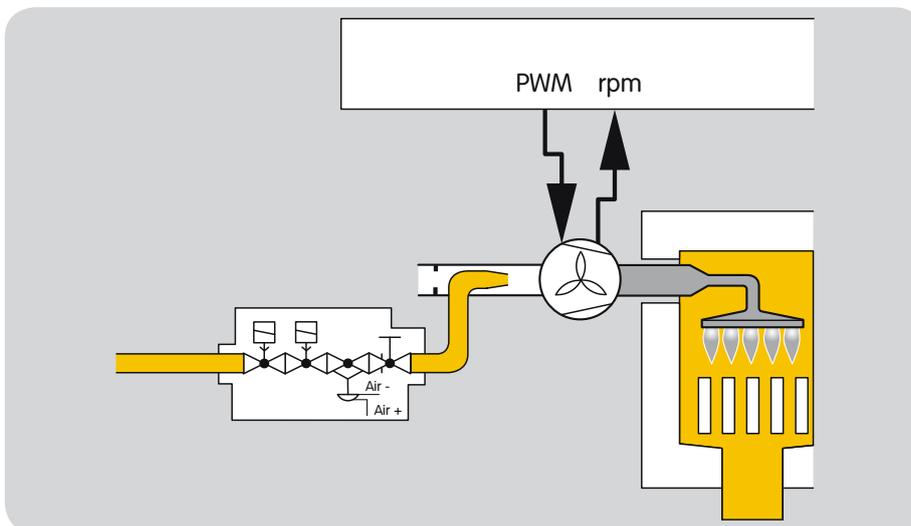
Fan BL with mixer and adapter on combination control CES in the boiler

Examples of application



Heating device with electronic air/gas ratio control system

An electronic boiler control checks the flame signal in a closed control loop and activates a combination control (e.g. CES) and the fan BL directly for an optimal combustion quality. The fan transports the gas/air mixture required for combustion from the mixer installed at the inlet to the burner.



Heating device with pneumatic air/gas ratio control system

The fan transports the gas/air mixture required for combustion via the mixer installed at the inlet to the burner. The fan speed is set by the boiler control. A gas pressure regulator delivers the required gas/air ratio.

Technical data

Mains voltage:
230 V AC, 50/60 Hz.
Power consumption in standby: 0.2 W.
Max. speed: 9385 rpm.
Max. pressure increase: 3142 Pa.
Max. flow rate: 91 m³/h.
Enclosure: IP 20.
Weight: 1.1 kg.

Type code

Code	Description
BL	Fan
118	Rotor diameter 118 mm
A/	Rotor geometry A
W	Mains voltage: 230 V AC, 50/60 Hz
3	3-wire connection
-0	Plug connection: 0°
-120	120°
-240	240°
A/	Equipment version A
S	Inlet: SIT standard
71-	Outlet: 71 mm hole circle Ø
E	With control electronics
1	Characteristic curve: Standard
M1 ¹⁾	Mixer: Size 1
-0 ^{1) 2)}	Mixer, pre-fitted: 0°, 30°, 60° to 330°
-30 ^{1) 2)}	
-60 ^{1) 2)} ...	
A0-A359 ^{1) 2)}	Adapter for connection to CES: 0° – 359°

1) If "none", this specification is omitted.

2) Only in conjunction with mixer size 1.

Certification

Energy-efficient to ERP Directive 2015.

VDE approved.

Detailed information on this product



<http://docuthek.kromschroeder.com/documents/index.php?lang=en&selclass=6&sellang=GB&folder=401156>

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