Chimney fan

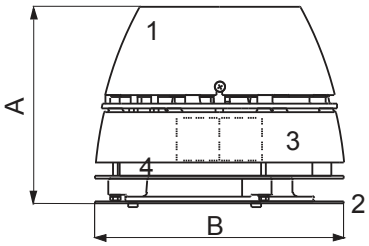
RHG

An Exodraft chimney fan RHG is suitable for gas stoves and small gas fireplaces. The fan has a built-in fail-safe system consisting of a pressure differential switch and a flow measuring system. The fail-safe system complies with BS5440: 2000 Part 1 and BS6644: 1991.

The fan is mounted on top of the chimney and provides a controllable negative pressure in the flue and chimney. The fan has a horizontal discharge and can withstand temperatures up to 200 °C at the flue exit or chimney top.

The RHG160 fan guarantees optimum draught irrespective of the placement, dimensions or height of the chimney which is beneficial to new or existing installations. The fan must be connected to an Exodraft control type EFC21 or EFC25 for the failsafe system to work.

Technical data



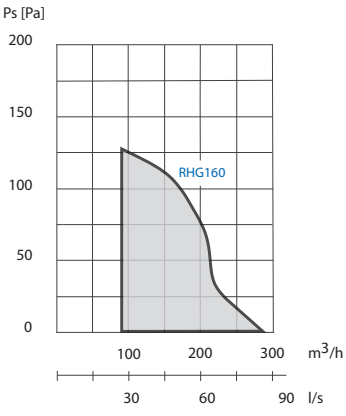
1. Motor housing
2. Base plate
3. Motor
4. Ribbed cooling plate

Type	Flue
RHG160	Ø160 mm
at 1400 rpm	

Model	Motor specifications				Weight	Dimensions [mm]	
	rpm	V	Amp	kW*	kg	A	B [Ø]
RHG160-41	1400	1x230	0.40	0.09	10	238	290

*Effect at the motor shaft at ambient temperature: 20 °C
RPM is infinitely adjustable for all 1x230 V motors
The motor is overload protected
Motor protection class IP 54, Insulation class F

Capacity diagram



The capacity diagram is measured at a flue gas temperature of 20 °C. The fan capacity changes with temperature.

Correction of system pressure loss for flue gas temperature higher than 20 °C is calculated:

$$Ps_{20} = Ps_t \times \left(\frac{273 + t\,(°C)}{293}\right)$$

t = temperature measured in °C

Example:

System need: 200 m3/h and 25 Pa at 180 °C
Selection of fan: 200 m3/h and 39 Pa at 20 °C

DS_RHG_UK | 131223 | Subject to technical changes and typographical errors | Exodraft a/s | www.exodraft.com

exodraft
Your energy. Optimized.