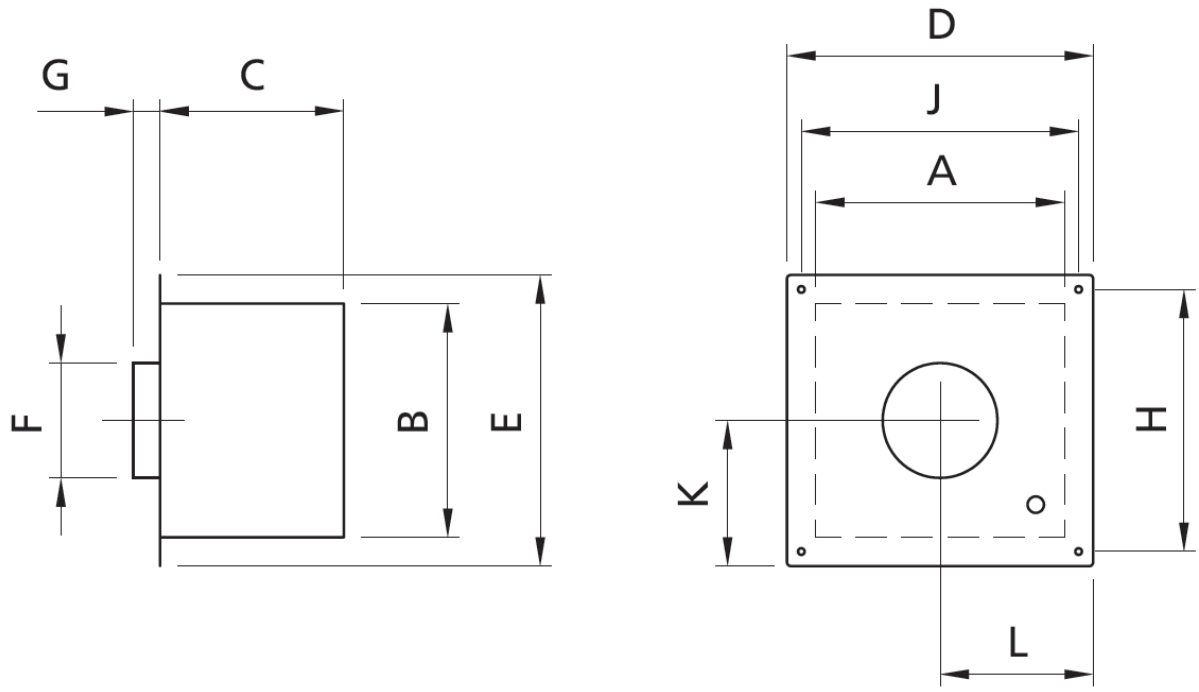
# PRODUCTFICHE
# FICHE PRODUIT

HEKON
JOUW EXPERT IN ROOKGASAFVOER




| A | B | C | D | E | Ø F outside | G | H | J | K | L |
|---|---|---|---|---|---|---|---|---|---|---|
| 405 | 380 | 275 | 478 | 453 | 196 | 35 | 413 | 438 | 215 | 221 |

Unit of measure: mm

Hekon art. : EXH-RSG200

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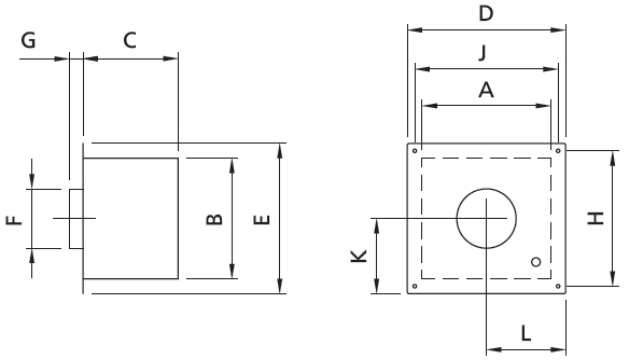
## Technical data

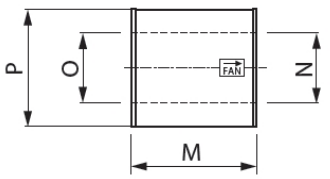



| Model | Motorspecification | | | | Weight | Dimensions in mm | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RPM | V | Amp | kW* | kg | A | B | C | D | E | F outside | G | H | J | K | L |
| RSG125-4-1 | 1400 | 1x230 | 0.3 | 0,04 | 11 | 265 | 250 | 220 | 336 | 320 | ø121 | 35 | 280 | 296 | 153 | 157 |
| RSG150-4-1 | 1400 | 1x230 | 0.2 | 0,05 | 14 | 325 | 310 | 240 | 400 | 380 | ø146 | 35 | 340 | 360 | 181 | 186 |
| RSG200-4-1 | 1400 | 1x230 | 0.4 | 0,11 | 20 | 405 | 380 | 275 | 478 | 453 | ø196 | 35 | 413 | 438 | 215 | 221 |
| RSG250-4-1 | 1400 | 1x230 | 0.8 | 0,14 | 31 | 522 | 482 | 338 | 600 | 560 | ø247 | 60 | 516 | 556 | 271 | 279 |

*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

**Silencer SLR (install accessory)**

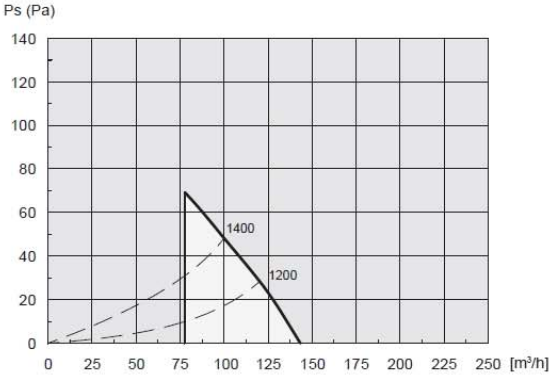
| Type | M | N Ø inside | O Ø inside | P Ø |
|---|---|---|---|---|
| SLR125-280 | 280 | 128 | 125 | 240 |
| SLR150-280 | 280 | 153 | 150 | 265 |
| SLR200-280 | 280 | 206 | 203 | 318 |
| SLR200-600 | 600 | 206 | 203 | 318 |
| SLR250-280 | 280 | 256 | 253 | 370 |
| SLR250-600 | 600 | 256 | 253 | 370 |



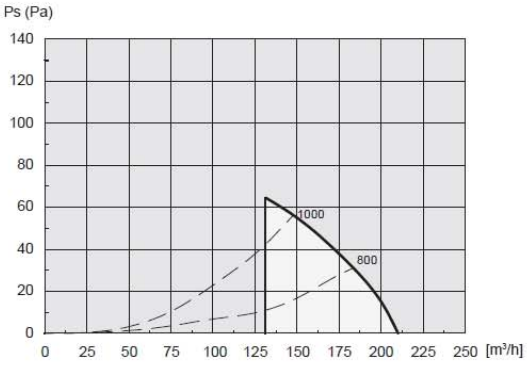

## Capacity diagrams

The outlet grill can be adjusted in order to enable the RSG to work with low fan speed and still have the fail-safe system working.
Low fan speed range – min. outlet / High fan speed range – max. outlet
Not an option on RSG250

**RSG 125**
Capacity with minimum outlet




**RSG 125**
Capacity with maximum outlet




Hekon art. : EXH-RSG200

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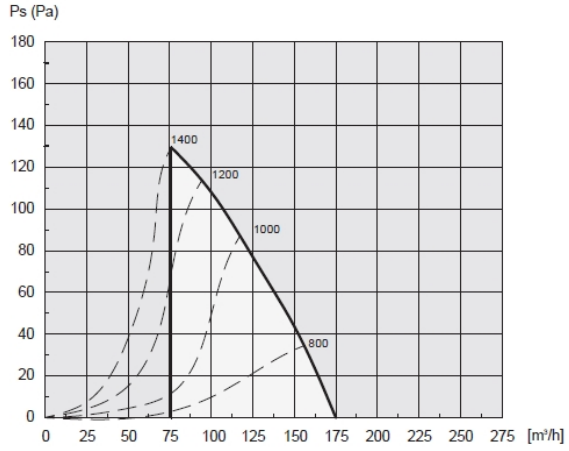
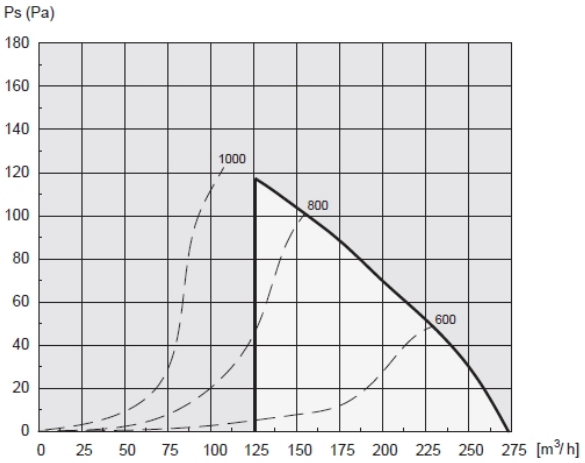
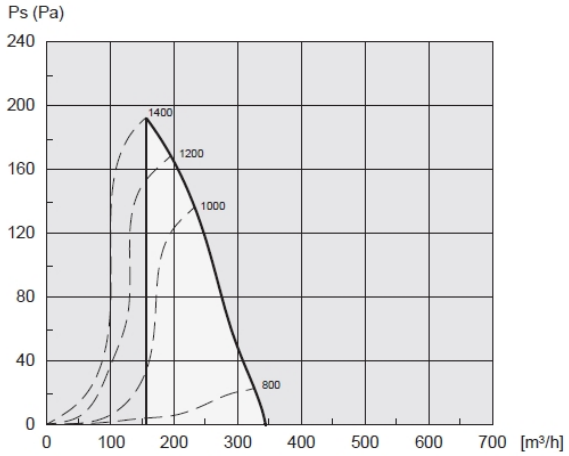
## RSG 150
Capacity with minimum outlet



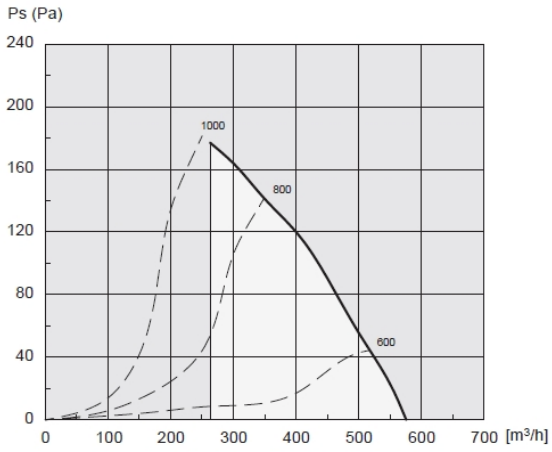

## RSG 150
Capacity with maximum outlet



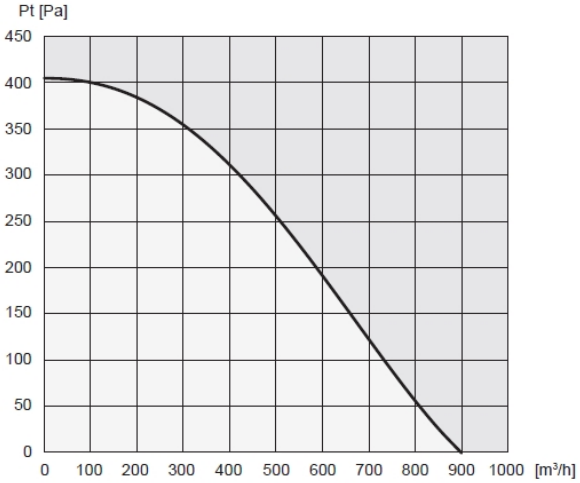

## RSG 200
Capacity with minimum outlet




## RSG 200
Capacity with maximum outlet




## RSG 250
Capacity




Hekon art. : EXH-RSG200

The capacity chart 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: 300 m³/h and 90 Pa at 180 °C
Selection of fan: 300 m³/h and 139 Pa at 20 °C

## Sound data

Soundpower levels to flue pipe. Measured in accordance to ISO 5136

| Model | Lw (dB) | | | | | | | Lp |
|---|---|---|---|---|---|---|---|---|
| | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | 8000 Hz | dB (A) |
| RSG125 | 60 | 59 | 56 | 50 | 49 | 42 | 34 | 49 |
| RSG150 | 61 | 66 | 61 | 56 | 53 | 47 | 40 | 55 |
| RSG200 | 69 | 72 | 68 | 62 | 59 | 55 | 49 | 61 |
| RSG250 | 78 | 71 | 62 | 57 | 52 | 50 | 51 | 63 |

Soundpower levels to external surroundings. Measured in accordance to ISO 3744

| Model | Lw (dB) | | | | | | | Lw | Lp |
|---|---|---|---|---|---|---|---|---|---|
| | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | 8000 Hz | dB (A) | dB (A) |
| RSG125-4-1 | 66 | 59 | 48 | 44 | 40 | 30 | 21 | 54 | 29 |
| RSG150-4-1 | 75 | 67 | 52 | 50 | 44 | 36 | 29 | 61 | 35 |
| RSG200-4-1 | 80 | 69 | 59 | 56 | 51 | 45 | 36 | 66 | 41 |
| RSG250-4-1 | 71 | 72 | 67 | 61 | 61 | 62 | 60 | 70 | 42 |

Sound absorbed using silencer SLR (Lw to flue pipe)

| Model | Lw (dB) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | 8000 Hz |
| SLR125-280 | 4 | 6 | 11 | 21 | 18 | 12 | 12 |
| SLR150-280 | 2 | 4 | 11 | 19 | 14 | 14 | 9 |
| SLR200-280 | 1 | 2 | 10 | 16 | 12 | 12 | 7 |
| SLR250-280 | 1 | 1 | 6 | 14 | 5 | 5 | 4 |

Tolerance +/-3 db
Lw = Sound effect level dB. (reference: 1 pW)
Lp = Sound Pressure level dB (A) at a distance of 10 m from the fan at halfspheric sound distribution.
Lp (2 metres) = Lp (1 metre) - 6 dB.

Hekon art. : EXH-RSG200