

Diagram for selection of convector grilles KNK and floor grilles KNP

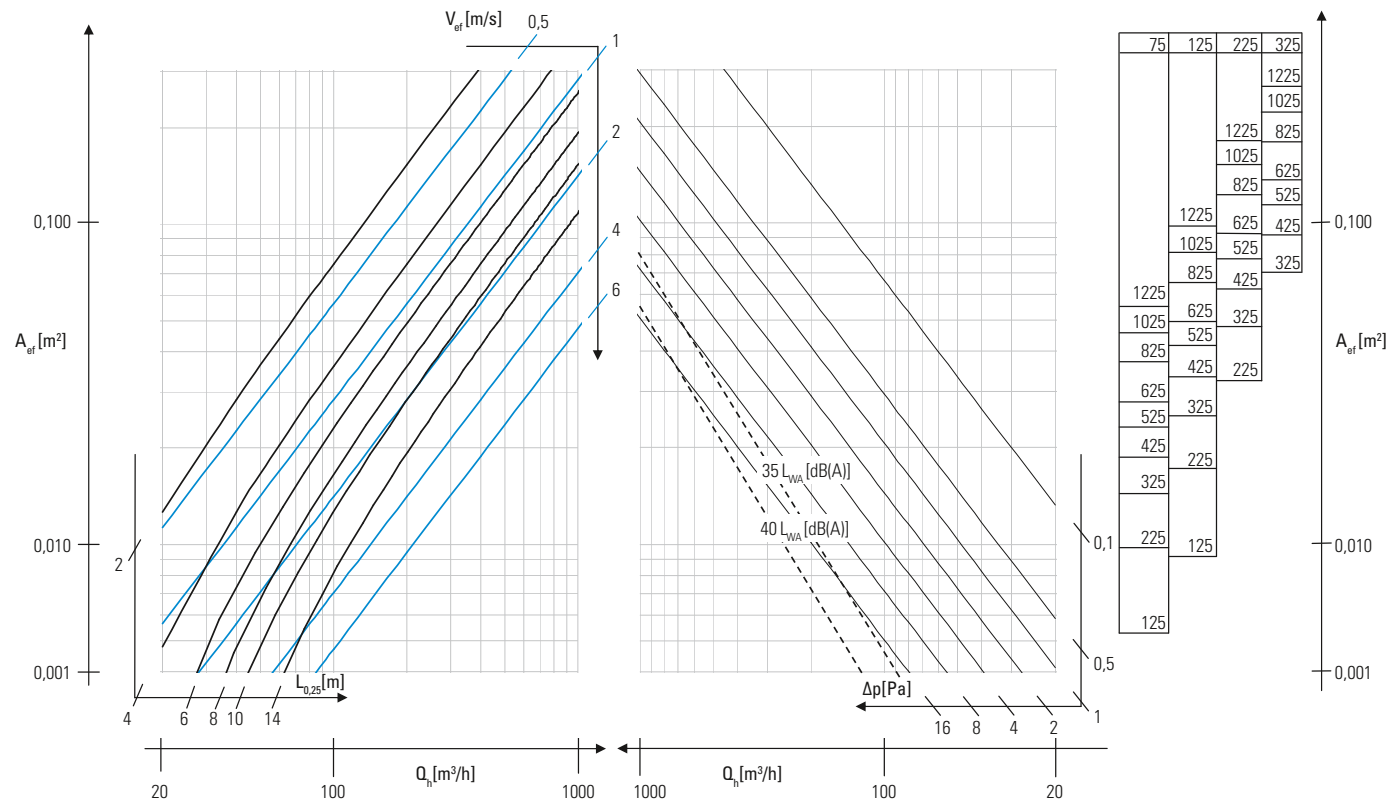
Relation of pressure waste ( $\Delta p$ ), maximum stream velocity ( $V_{gr}$ ), a range of velocity stream  $V=0.25$  m/s ( $L_{0.25}$ ) and a level of acoustic power ( $L_{WA}$ ) from air stream volume ( $Q$ ).

$L_{0.25}$  range means distance, by which air velocity does not exceed 0.25 m/s.

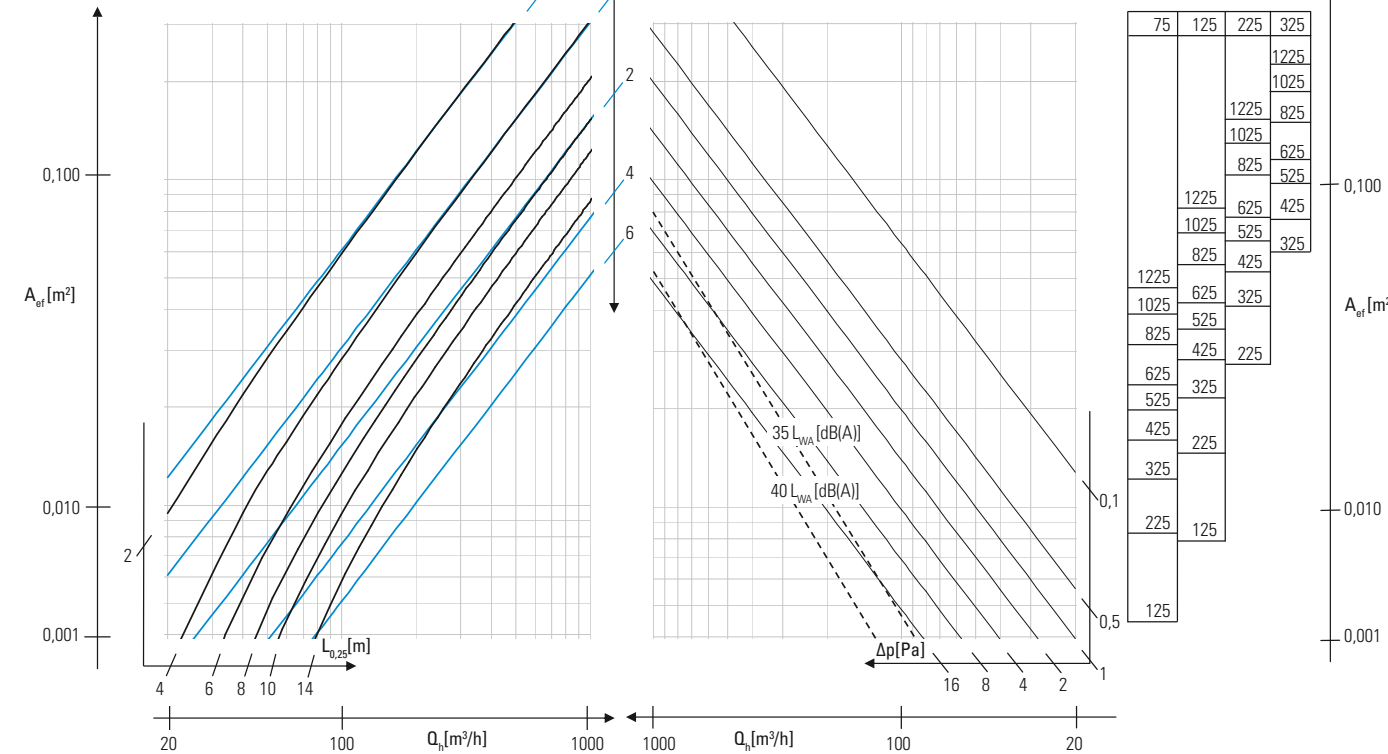
$V_{gr}$  velocity means the maximum air exhaust velocity from a grille measured at the outlet.

Chart concerns grilles with totally open dampers.

KNK grille

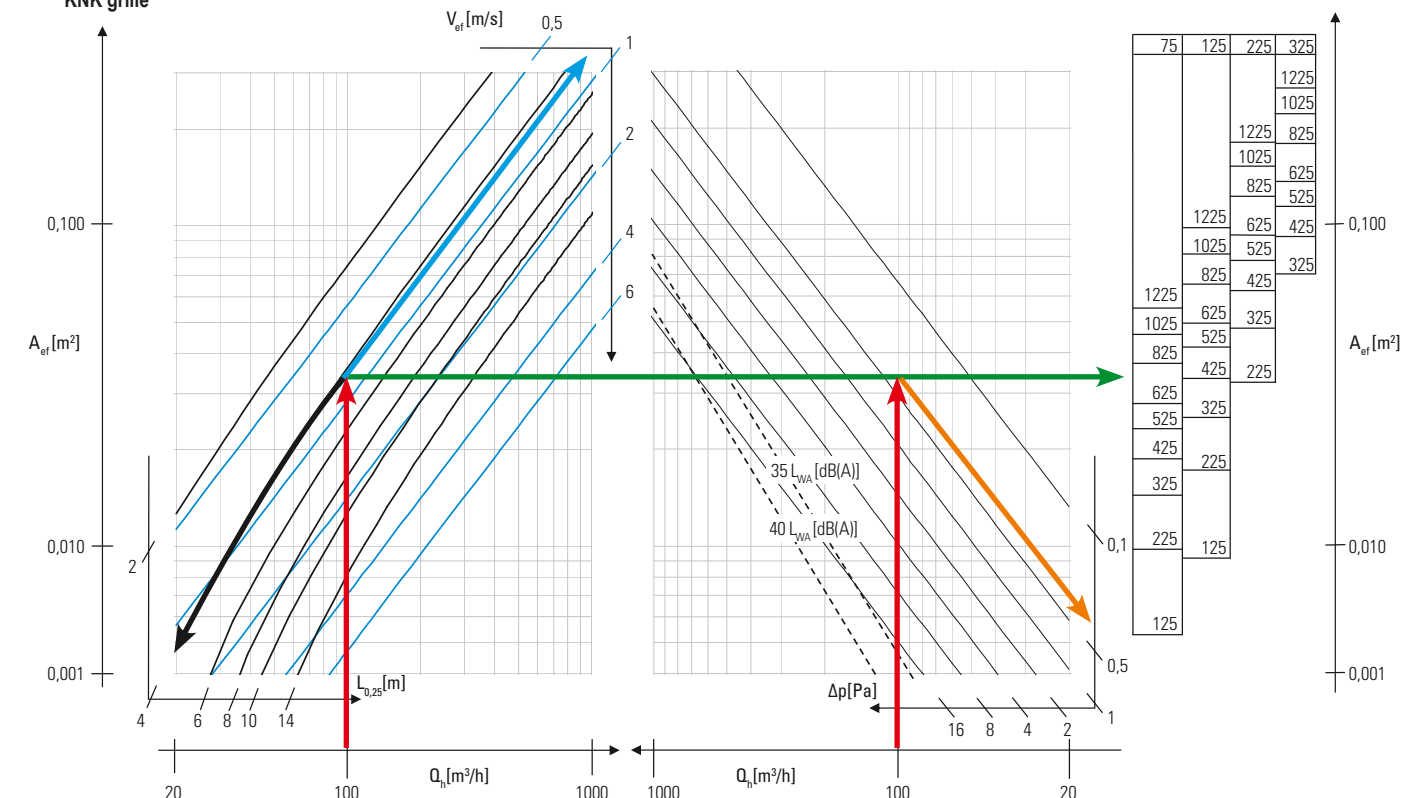


KNP grille



Instructions for diagram selection of convector grilles KNK and floor grilles KNP

KNK grille



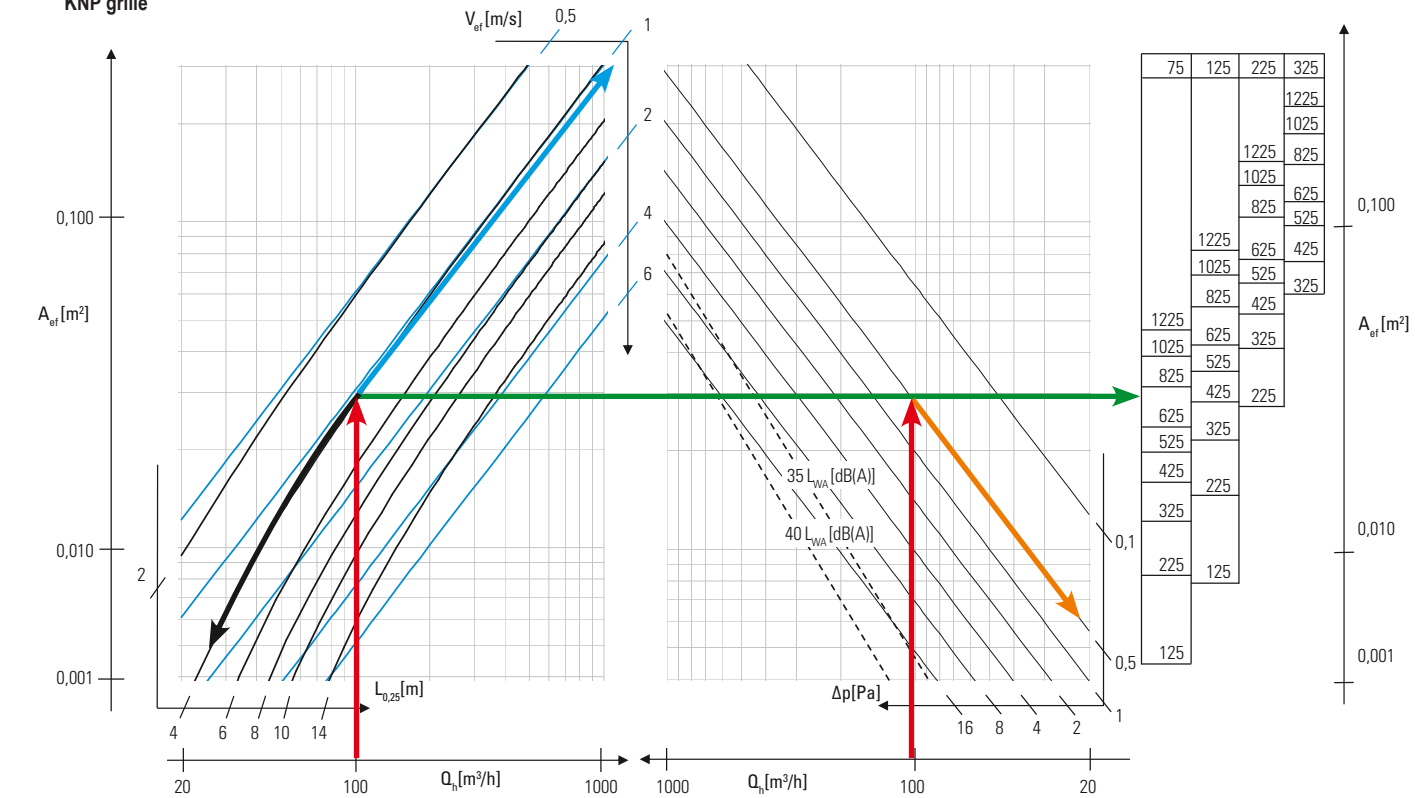
Example (colours adequate to lines):

- Air stream range  $Q = 1000$  m<sup>3</sup>/h
- required range  $L_{0.25} = 4$  m

Diagram reading:

- grille 75x825 or 125x425, alternatively 225x225
- pressure loss: ok. 0.4 Pa
- maximum outlet velocity: 0.75 m/s

KNP grille



Example (colours adequate to lines):

- air stream range  $Q = 1000$  m<sup>3</sup>/h
- required range  $L_{0.25} = 4$  m

Diagram reading:

- grille 75x825 or 125x425, alternatively 225x225
- pressure loss: aprox. 0.5 Pa
- maximum outlet velocity: 1.1 m/s