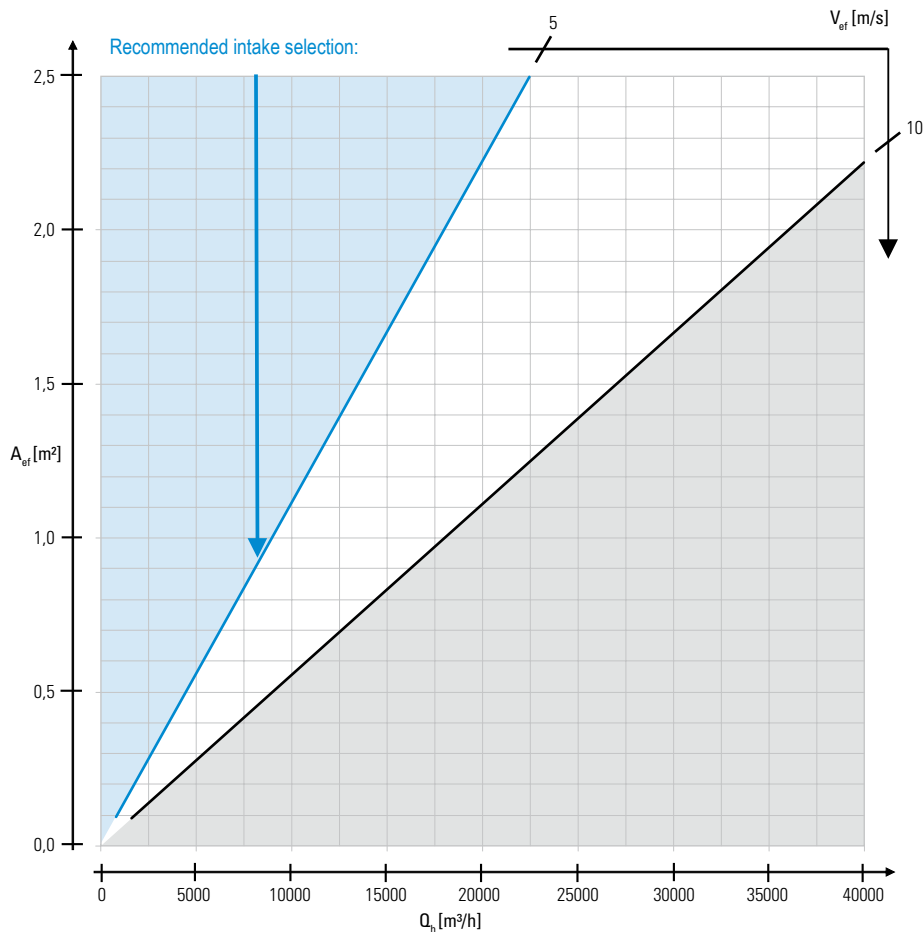


## Diagram and a chart for selection of rectangular air intakes CWP



## Recommended intake selection:

- it is advised to choose the biggest intake.
- the most optimal choice for the line  $V_{ef} = 5$  [m/s] optimiert.
- it is not advisable to choose intake exceeding  $V_{ef} = 10$  [m/s]

| Intake size | $A_{ef}$ [m <sup>2</sup> ] |
|-------------|----------------------------|
| 300 x 300   | 0,06                       |
| 300 x 400   | 0,07                       |
| 400 x 400   | 0,10                       |
| 300 x 600   | 0,11                       |
| 300 x 800   | 0,15                       |
| 400 x 600   | 0,15                       |
| 300 x 1000  | 0,19                       |
| 400 x 800   | 0,20                       |
| 300 x 1200  | 0,22                       |
| 600 x 600   | 0,22                       |
| 400 x 1000  | 0,25                       |
| 300 x 1400  | 0,26                       |
| 300 x 1600  | 0,30                       |
| 400 x 1200  | 0,30                       |
| 600 x 800   | 0,30                       |
| 300 x 1800  | 0,33                       |
| 400 x 1400  | 0,35                       |
| 300 x 2000  | 0,37                       |
| 600 x 1000  | 0,37                       |
| 400 x 1600  | 0,40                       |
| 800 x 800   | 0,40                       |
| 600 x 1200  | 0,45                       |
| 400 x 1800  | 0,45                       |
| 400 x 2000  | 0,50                       |
| 800 x 1000  | 0,50                       |
| 600 x 1400  | 0,52                       |
| 600 x 1600  | 0,60                       |
| 800 x 1200  | 0,60                       |

| Intake size | $A_{ef}$ [m <sup>2</sup> ] |
|-------------|----------------------------|
| 1000 x 1000 | 0,62                       |
| 600 x 1800  | 0,67                       |
| 800 x 1400  | 0,69                       |
| 600 x 2000  | 0,74                       |
| 1000 x 1200 | 0,74                       |
| 800 x 1600  | 0,79                       |
| 1000 x 1400 | 0,87                       |
| 1200 x 1200 | 0,89                       |
| 800 x 1800  | 0,89                       |
| 800 x 2000  | 0,99                       |
| 1000 x 1600 | 0,99                       |
| 1200 x 1400 | 1,04                       |
| 1000 x 1800 | 1,12                       |
| 1200 x 1600 | 1,19                       |
| 1400 x 1400 | 1,22                       |
| 1000 x 2000 | 1,24                       |
| 1200 x 1800 | 1,34                       |
| 1400 x 1600 | 1,39                       |
| 1200 x 2000 | 1,49                       |
| 1400 x 1800 | 1,56                       |
| 1600 x 1600 | 1,59                       |
| 1400 x 2000 | 1,74                       |
| 1600 x 1800 | 1,79                       |
| 1600 x 2000 | 1,98                       |
| 1800 x 1800 | 2,01                       |
| 1800 x 2000 | 2,23                       |
| 2000 x 2000 | 2,48                       |