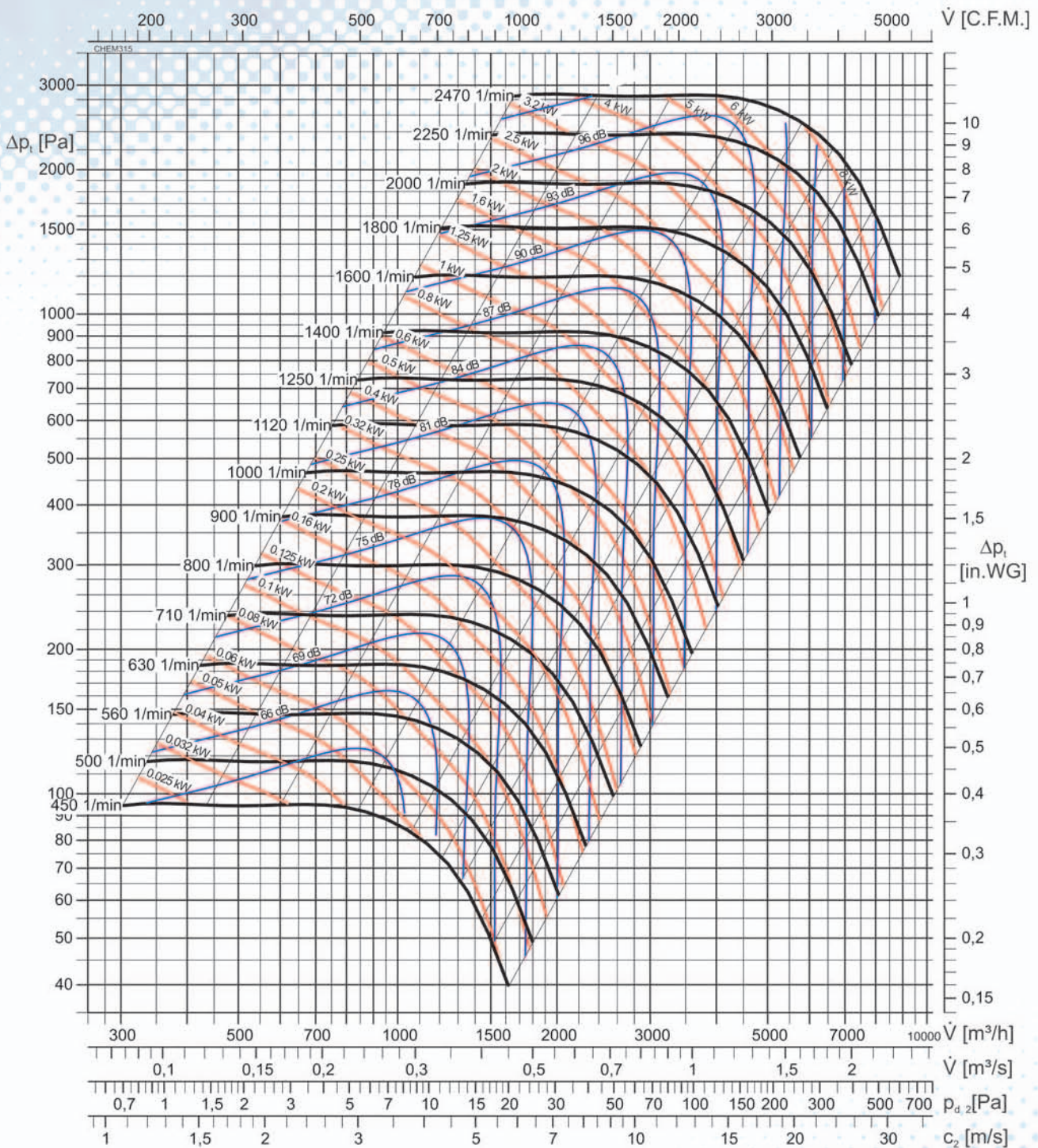


# CHEM 315

Viftekurve

Densitet = 1.2 kg/m<sup>3</sup>



A-weighted Sound power level  $L_{WA}$  is quoted in the diagram.  
 A-sound pressure level  $L_{pA}$  at 1 meter distance.

$$L_{pA} [dB(A)] = L_{WA} [dB(A)] - 7 [dB]$$

Octave sound power level  $L_{Wokt}$ :

$$L_{Wokt} [dB] = L_{WA} [dB(A)] + \Delta L [dB]$$

Relative frequency spectrum  $\Delta L$  in dB/Okt.

| n [1/min]<br>rpm | Octave b. midfreq. [Hz] |     |     |      |      |       |       |       |
|------------------|-------------------------|-----|-----|------|------|-------|-------|-------|
|                  | 63                      | 125 | 250 | 500  | 1k   | 2k    | 4k    | 8k    |
| 450 - 1250       | 3,2                     | 3,8 | 0,5 | -1,8 | -4,8 | -10,8 | -18,2 | -29,8 |
| 1400 - 2470      | 4,1                     | 2,1 | 0,1 | -2,9 | -3,9 | -9,9  | -15,9 | -25,9 |