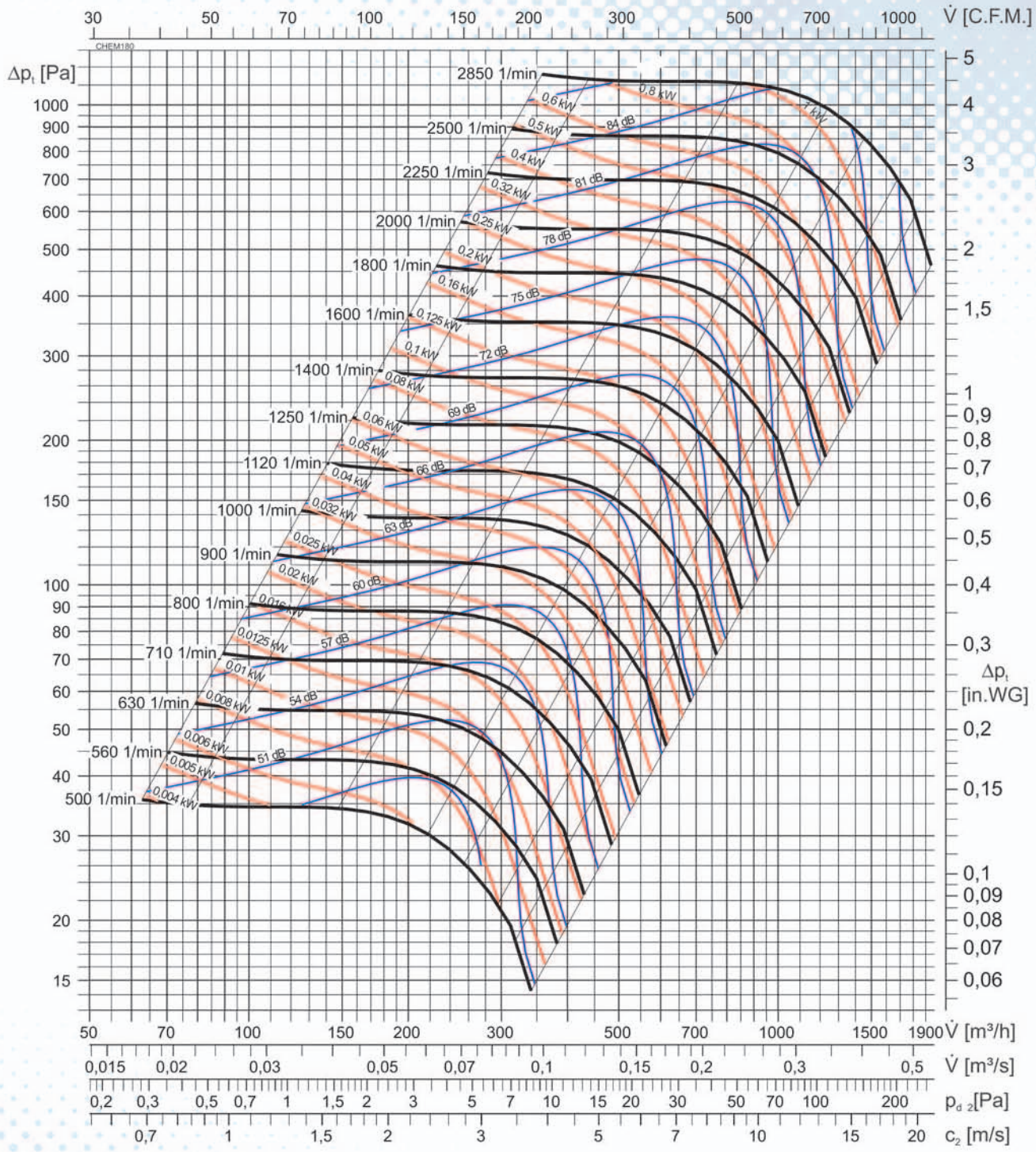
# CHEM 180

*Viftekurve*

Densitet = 1.2 kg/m³




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 ΔL in dB/Okt.**

| n[1/min] | Octgave b. midfreq. [Hz] | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| rpm | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| 500 - 1600 | 2,1 | 5,6 | 1,6 | -2,2 | -4,9 | -12,0 | -21,4 | -30,4 |
| 1800 - 3500 | 0,3 | 3,3 | 1,3 | -3,1 | -4,3 | -10,1 | -18,3 | -27,7 |