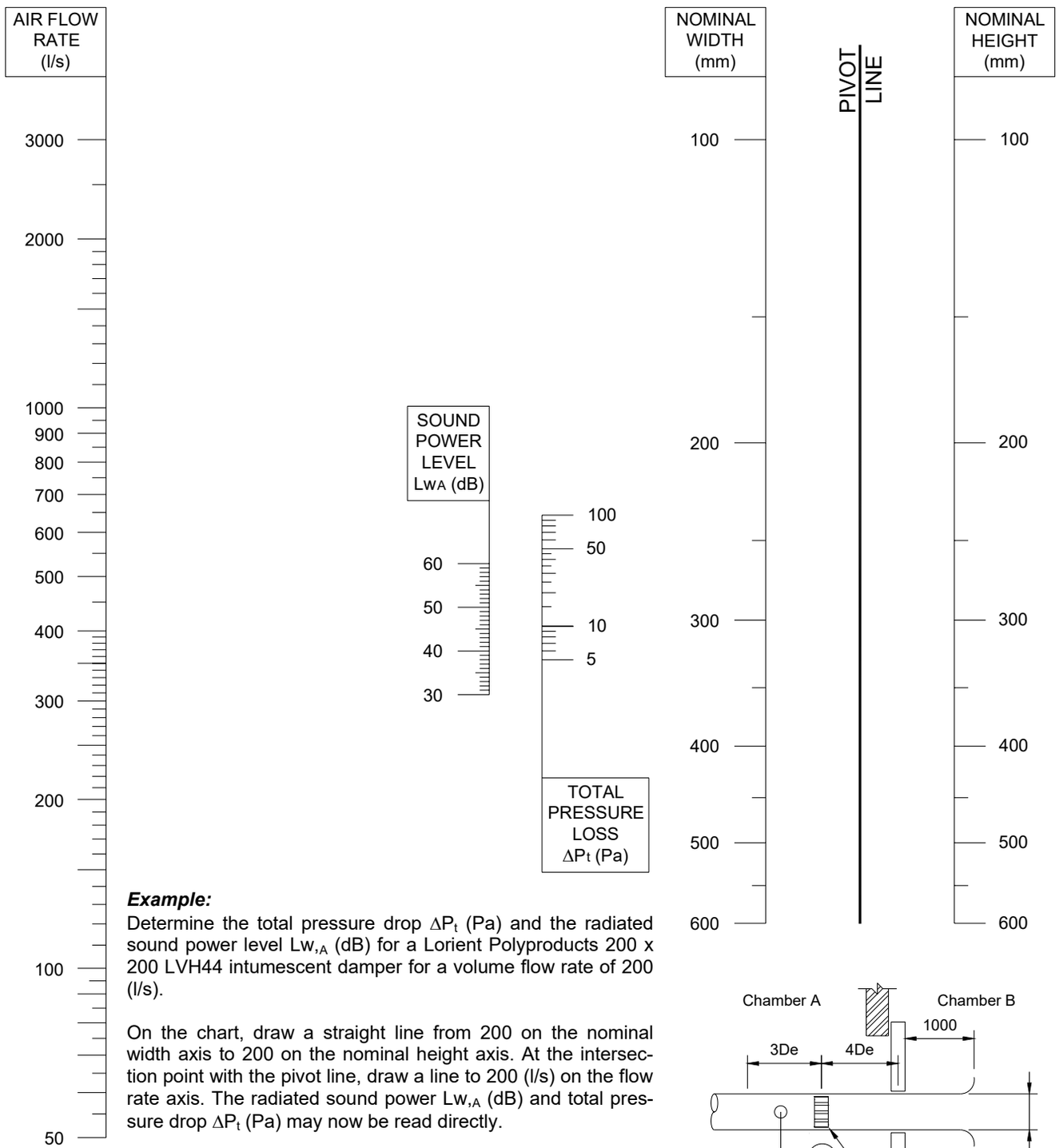
LVH44 NOMOGRAM FOR RECTANGULAR DUCTS

Performance Criteria: The acoustic + aerodynamic performance is based on a duct mounted application with a Lorient Polyproducts LVH44 intumescent air transfer grille installed within a rectangular duct.



Example:
Determine the total pressure drop ΔP_t (Pa) and the radiated sound power level $Lw_{,A}$ (dB) for a Lorient Polyproducts 200 x 200 LVH44 intumescent damper for a volume flow rate of 200 (l/s).

On the chart, draw a straight line from 200 on the nominal width axis to 200 on the nominal height axis. At the intersection point with the pivot line, draw a line to 200 (l/s) on the flow rate axis. The radiated sound power $Lw_{,A}$ (dB) and total pressure drop ΔP_t (Pa) may now be read directly.

Type: Lorient Polyproducts LVH44 200 x 200
Flow rate (l/s): 200
Total pressure drop ΔP_t (Pa): 20
Radiated sound power $Lw_{,A}$ (dB): 48