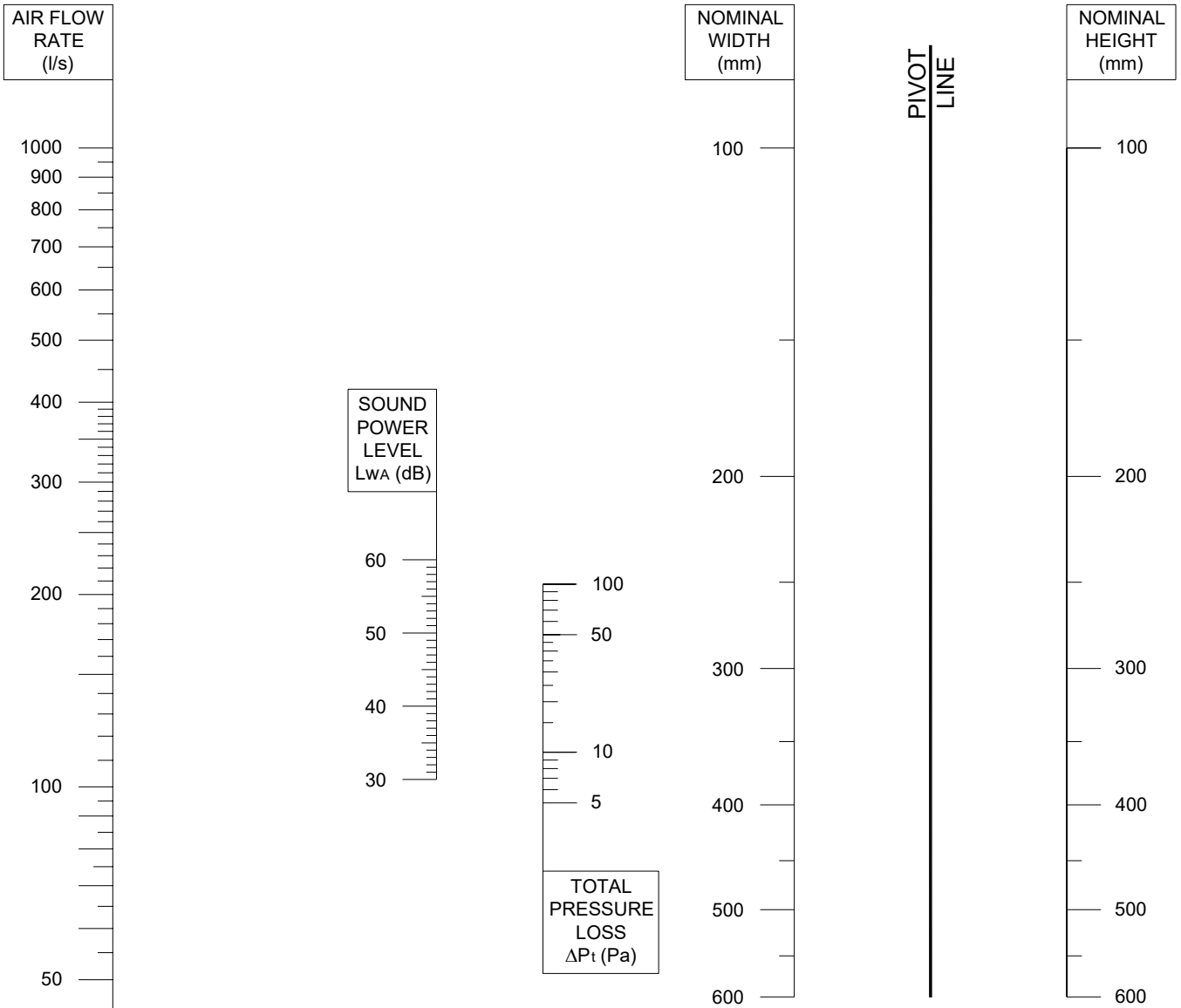


LVH44S NOMOGRAM FOR WALL MOUNTED APPLICATIONS



► **Performance Criteria:** The acoustic + aerodynamic performance is based on a wall mounted application with a Lorient Polyproducts LVH44S fire + smoke rated intumescent air transfer grille fitted with cover grilles.

NOMOGRAMS



Example:

Determine the total pressure drop ΔP_t (Pa) and the radiated sound power level $L_{w,A}$ (dB) for a Lorient 200 x 200 LVH44S intumescent damper for a volume flow rate of 60 (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 60 (l/s) on the flow rate axis. The radiated sound power $L_{w,A}$ (dB) and total pressure drop ΔP_t (Pa) may now be read directly.

- Type:** Lorient LVH44S 200 x 200
- Flow rate (l/s):** 60
- Total pressure drop ΔP_t (Pa):** 23
- Radiated sound power $L_{w,A}$ (dB):** 34

