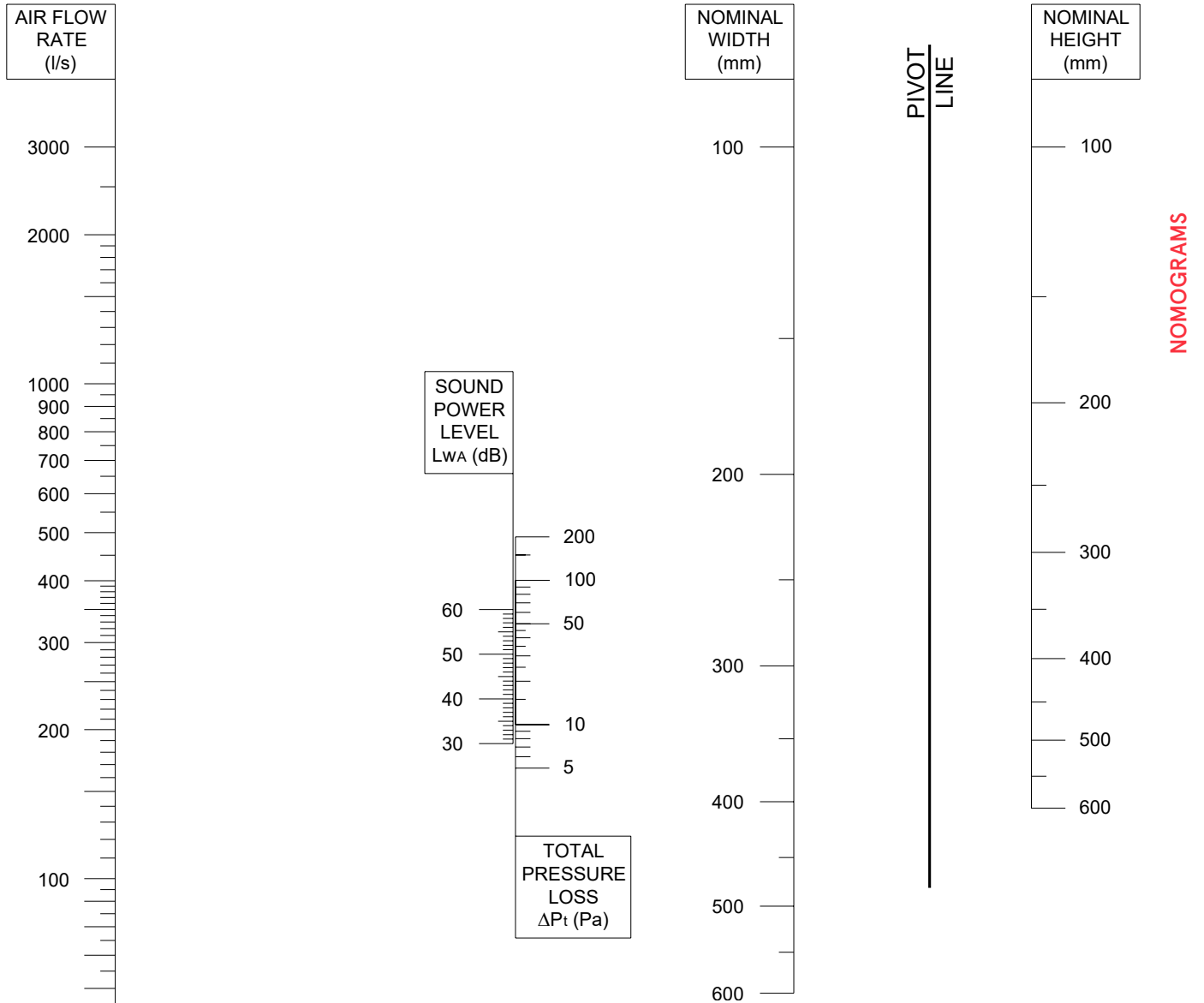


LVH44 NOMOGRAM FOR WALL/DOOR MOUNTED APPLICATIONS



► **Performance Criteria:** The acoustic + aerodynamic performance is based on a wall/door mounted application with a Lorient Polyproducts LVH44 intumescent air transfer grille fitted with cover grilles.



Example:

Determine the total pressure drop ΔP_t (Pa) and the radiated sound power level $L_{w,A}$ (dB) for a Lorient Polyproducts 200 x 200 LVH44 intumescent damper for a volume flow rate of 100 (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 100 (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 Polyproducts LVH44 200 x 200
- Flow rate (l/s):** 100
- Total pressure drop ΔP_t (Pa):** 28
- Radiated sound power $L_{w,A}$ (dB):** 48

