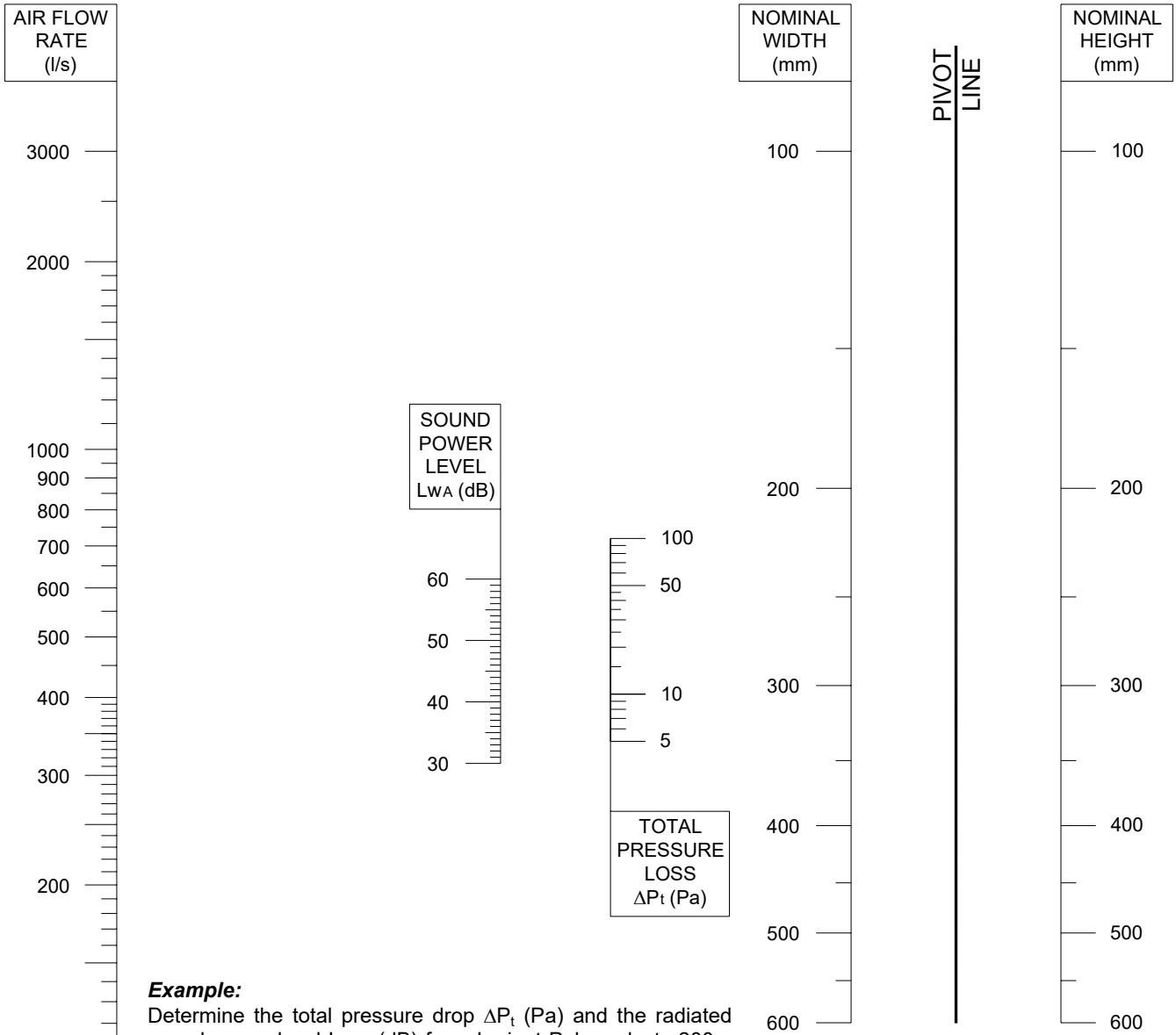


# LVV40 NOMOGRAM FOR RECTANGULAR DUCTS

► **Performance Criteria:** The acoustic + aerodynamic performance is based on a duct mounted application with a Lorient Polyproducts LVV40 intumescent air transfer grille installed within a rectangular duct.

NOMOGRAMS



**Example:**

Determine the total pressure drop  $\Delta P_t$  (Pa) and the radiated sound power level  $L_{w,A}$  (dB) for a Lorient Polyproducts 200 x 200 LVV40 intumescent damper for a volume flow rate of 300 (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 300 (l/s) on the flow rate axis. The radiated sound power  $L_{w,A}$  (dB) and total pressure drop  $\Delta P_t$  (Pa) may now be read directly.

**Type:** Lorient Polyproducts LVV40 200 x 200  
**Flow rate (l/s):** 300  
**Total pressure drop  $\Delta P_t$  (Pa):** 35  
**Radiated sound power  $L_{w,A}$  (dB):** 49

