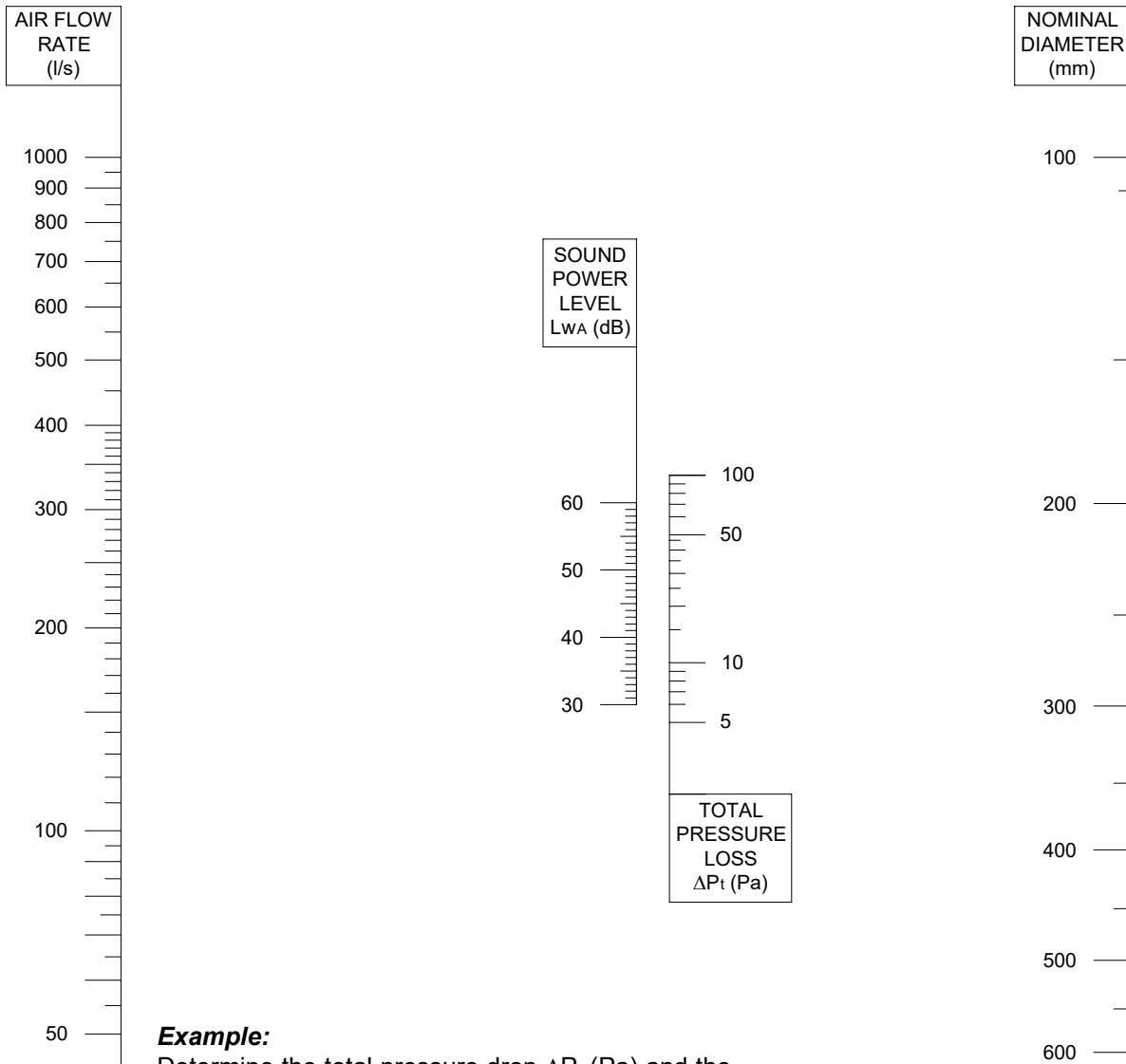


# LVC40 NOMOGRAM FOR CYLINDRICAL DUCTS



► **Performance Criteria:** The acoustic + aerodynamic performance is based on a duct mounted application with a Lorient Polyproducts LVC40 intumescent air transfer grille installed within a cylindrical 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 250  $\varnothing$  LVC40 intumescent damper for a volume flow rate of 300 (l/s).

On the chart, draw a straight line from 250  $\varnothing$  on the nominal diameter axis 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 LVC40 250  $\varnothing$   
**Flow rate (l/s):** 300  
**Total pressure drop  $\Delta P_t$  (Pa):** 33  
**Radiated sound power  $L_{w,A}$  (dB):** 51

