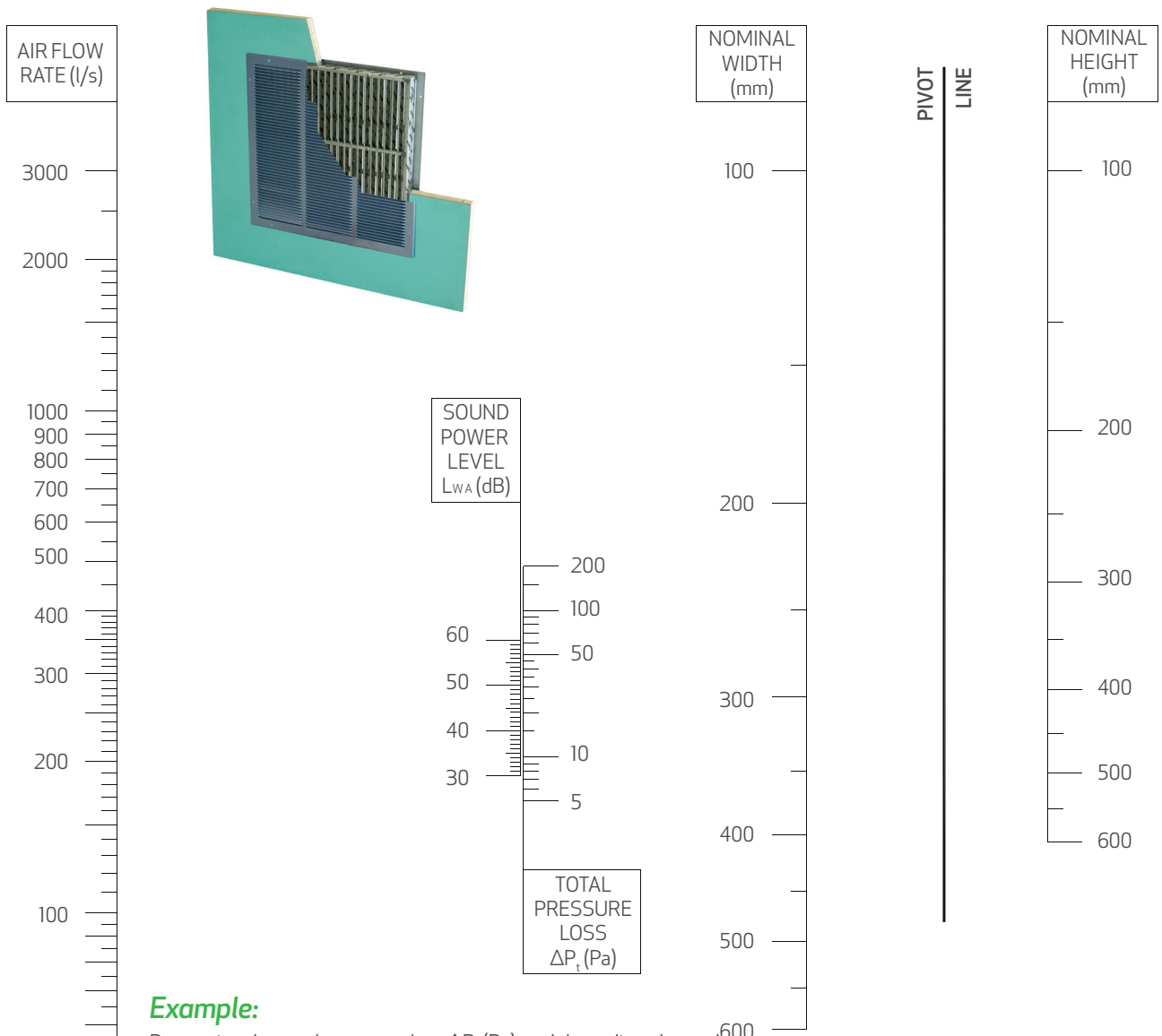


# Kilargo IFD-D Series Door Mounted Intumescent Fire Damper Selection Nomogram

## Pressure & Acoustic Characteristics



### Example:

Determine the total pressure drop  $\Delta P_t$  (Pa) and the radiated sound power level  $L_{wA}$  (dB) for a 600 x 300 Kilargo IFD-D series Intumescent damper for a volume flow rate of 300 (l/s).

On the chart, draw a straight line from 600 on the nominal width axis to 300 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  $L_{wA}$  (dB) and total pressure drop  $\Delta P_t$  (Pa) may now be read directly.

Type:	Kilargo IFD-D series 600 x 300
Flow rate (l/s):	300
Total pressure drop $\Delta P_t$ (Pa):	17
Radiated sound power $L_{wA}$ (dB):	41

### Performance Criteria:

The acoustic and aerodynamic performance of a Kilargo IFD-D Series Intumescent fire damper.

