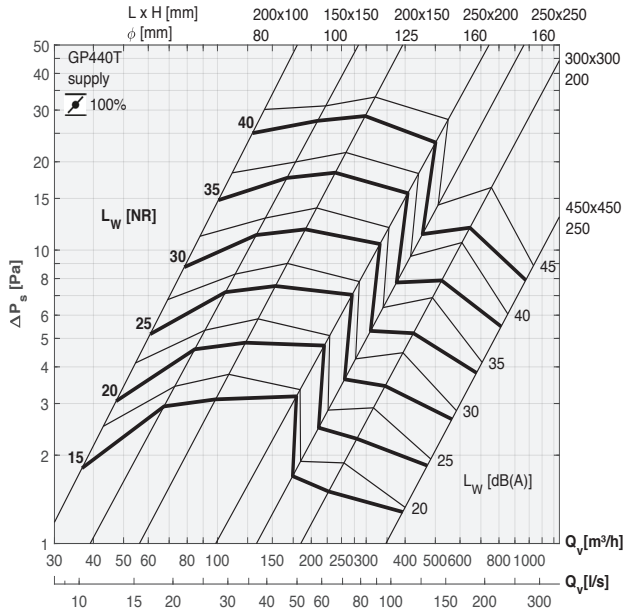


SELECTION

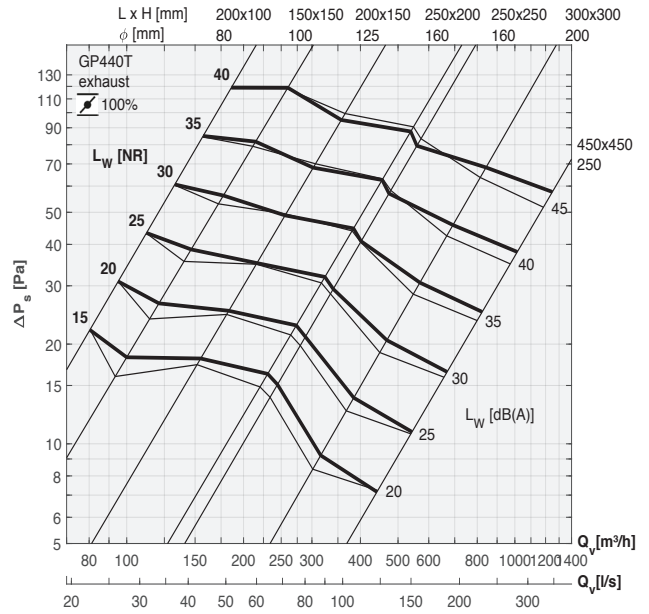
SUPPLY

SOUND POWER, PRESSURE DROP



EXHAUST

SOUND POWER, PRESSURE DROP



EXAMPLE SELECTION

Known data		
supply air flow rate, $Q_v$	[ $m^3/h$ ]	250
max. allowable sound pressure, $L_p$	[dB(A)]	35
room sound attenuation, $\Delta L_r$	[dB(A)]	8
Selection from graphs		
Sound		
requested max. sound power, $L_{w,L}$ ( $= L_p + \Delta L_r$ )	[dB(A)]	43
proposal of grille dimension, LxH	[mm x mm]	200x150
Pressure drop		
total pressure, $\Delta P_{tot}$	[Pa]	39

LEGEND

symbol	unit	
$L_w$	[NR] / [dB(A)]	sound power
$\Delta P_s$	[Pa]	static pressure loss
$Q_v$	[ $m^3/h$ ] / [ $l/s$ ]	airflow