

**DESTINATION**

This unit is specially designed for use in high velocity air conditions systems to supply the specified amount of air in the rooms. It ensures optimum distribution of the air in the room, secures the specified sound level and controls the room temperature. The unit consists of an internally insulated box. It has two inlet openings, one for hot and one for cold air, each equipped with a throttling device connected to each other for setting of design airflow, and regulation of the airflow below this. The outlet opening through the ceiling is equipped with a supply diffuser. The designed airflow supplied through the unit is set by adjusting the opening of each of the throttling devices within the unit. The two devices are connected. Regulation of these is done from outside of the unit, by a knob situated on the diffuser, mixing the two airstreams. The temperature within the room is regulated by this mixing.

TECHNICAL SPECIFICATION & DIMENSIONS

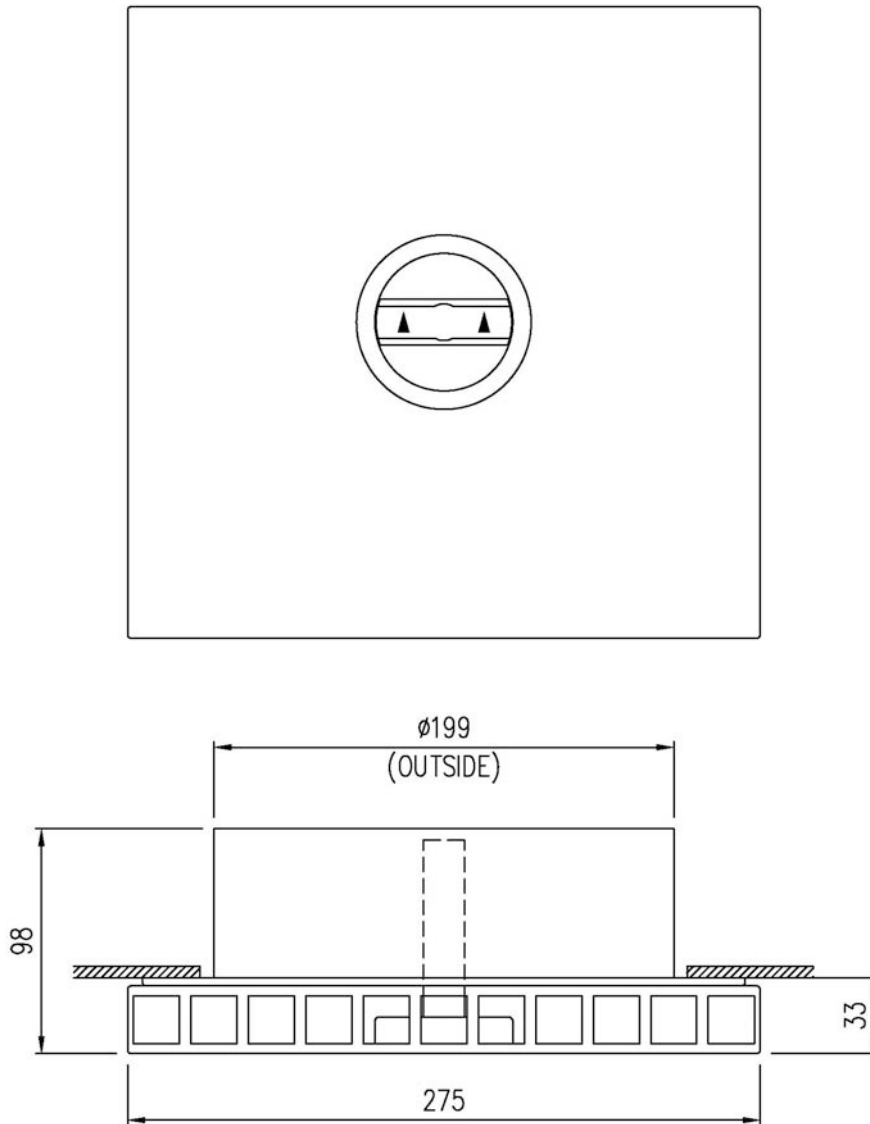
- material casing: galvanized sheet steel
- material throttling device: galvanized sheet steel
- material insulation: mineral wool
- material diffuser: steel sheet, white epoxy
- material regulating knob: plastic

Hz	63	125	250	500	1k	2k	4k	8k
ΔL	21	14	14	20	21	20	13	12
k	-	6	5	2	-1	-6	-12	-15

Sound attenuation, ΔL including end reflection.

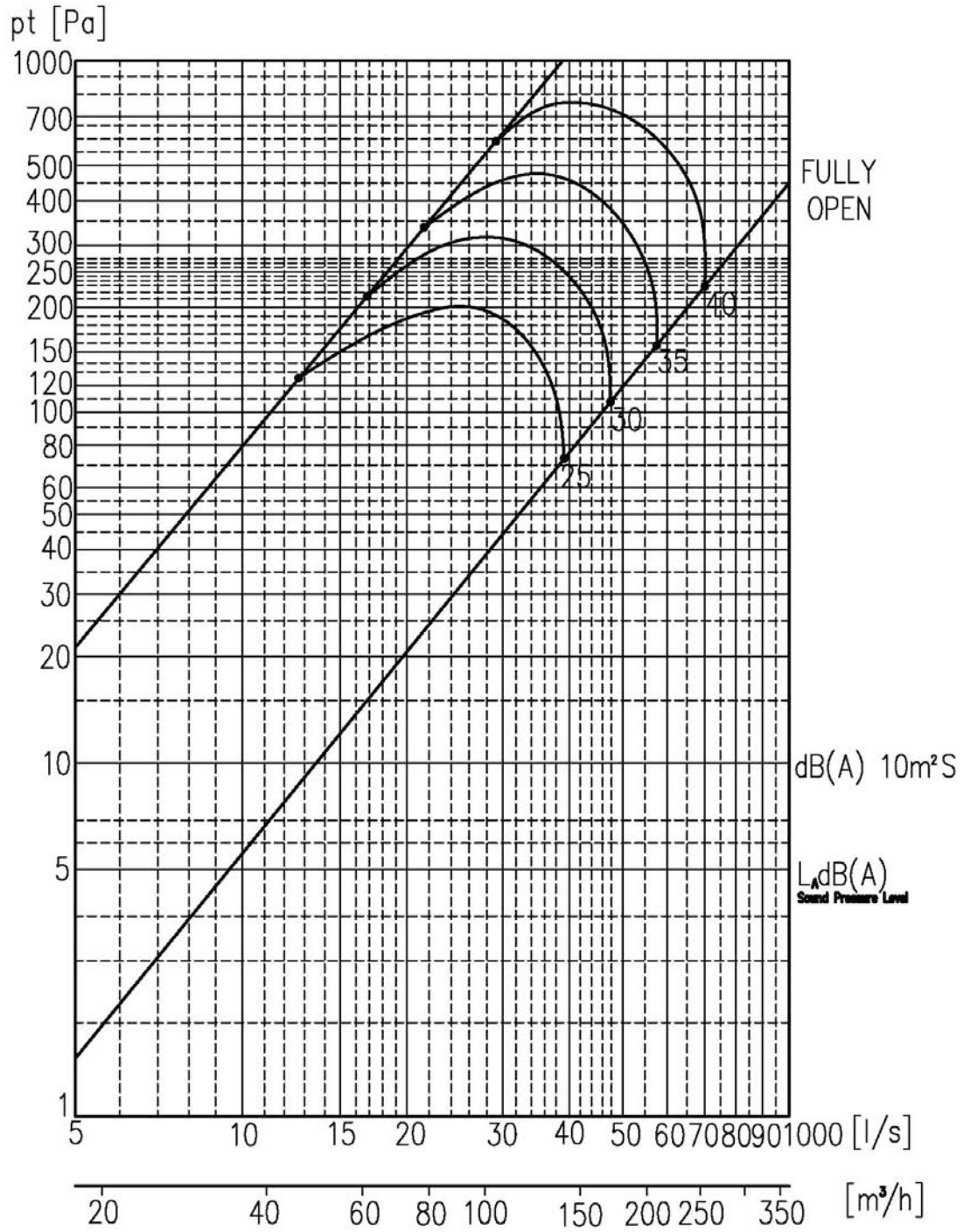
Sound power level: $L_w = L_A + k$

Diffuser UAD-SC for cabin unit UAT 2C



PERFORMANCE CHART

UAT 2C-100



UAT 2C-125

