



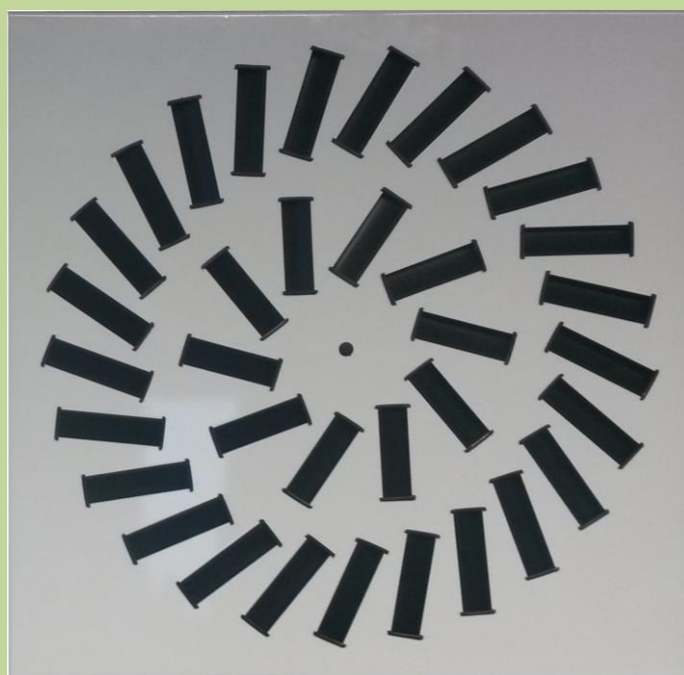
AEROGRAMMI S.A.

DESIGN AND MANUFACTURE OF GRILLES AND SPECIAL AIR CONDITINING COMPONENTS



CEILING SWIRL DIFFUSER

GR-T





GR-T

DESCRIPTION

The GR-T swirl diffuser is for ceiling installation and supply or return air applications. For low or medium height rooms. With adjustable blades. The air throw could be vertical (heating) or swirl parallel to the ceiling (cooling), this way there is high mixing rate of the supply air with the room air. As a result low air velocity in the living area and high thermal comfort are achieved.

They have square plate (as standard) or round (GR-T-RR, in this case the external diameter of the diffuser is the same with the external dimension of the GR-T in the same size). The square GR-T with smaller size of 595X595mm (outside dimension) they can be manufactured in plate with outside dimensions 595X595mm and keep the same active size (GR-T-A).

MATERIALS

The swirl diffuser GR-T is manufactured by steel sheet electrostatically painted in RAL color. The blades are plastic, black or white.

WAY OF FIXING

The swirl diffuser GR-T when we have false ceiling with gypsum board is fixed with visible screws (standard) or with secret fixing with Π frame (KSP, with extra charge). If there is false ceiling with 600X600mm plates then we can install the versions GR-T-...-595-XT or GR-T-A-...-XT with external dimensions 595X595mm directly in the false ceiling (-XT: without holes for screws).

DIMENSIONS

TYPE	BLADES No	PLENUM OPENING (mm)	OUTSIDE DIMENSION (mm)	GR-T-RR OUTSIDE DIAMETER (mm)
GR-T-7/300	7	300X300	340X340	340
GR-T-14/400	14	400X400	440X440	440
GR-T-21/500	21	500X500	540X540	540
GR-T-21/595	21	555X555	595X595	595
GR-T-35/595	35	555X555	595X595	595

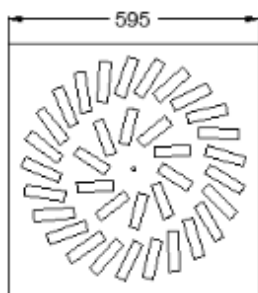
WAY OF ORDER

GR-T- _ _ _ _ _

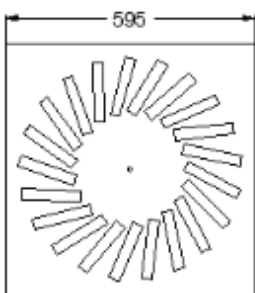
Blades No | | | | | -XT or -KSP if they exist
 Size | | | | |
 Plate color | | | | |
 -RR or -A if they exist



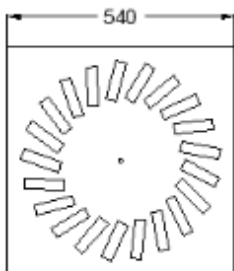
GR-T-35/595



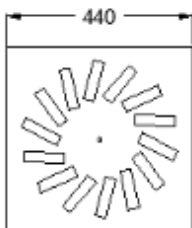
GR-T-35/595



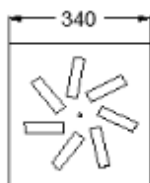
GR-T-21/595



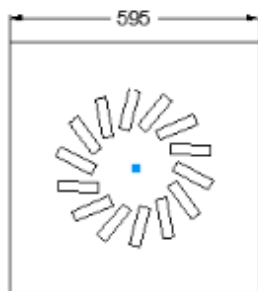
GR-T-21/500



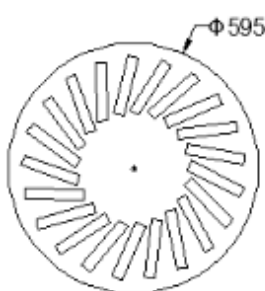
GR-T-14/400



GR-T-7/300



GR-T-14/400-A



GR-T-21/595-RR



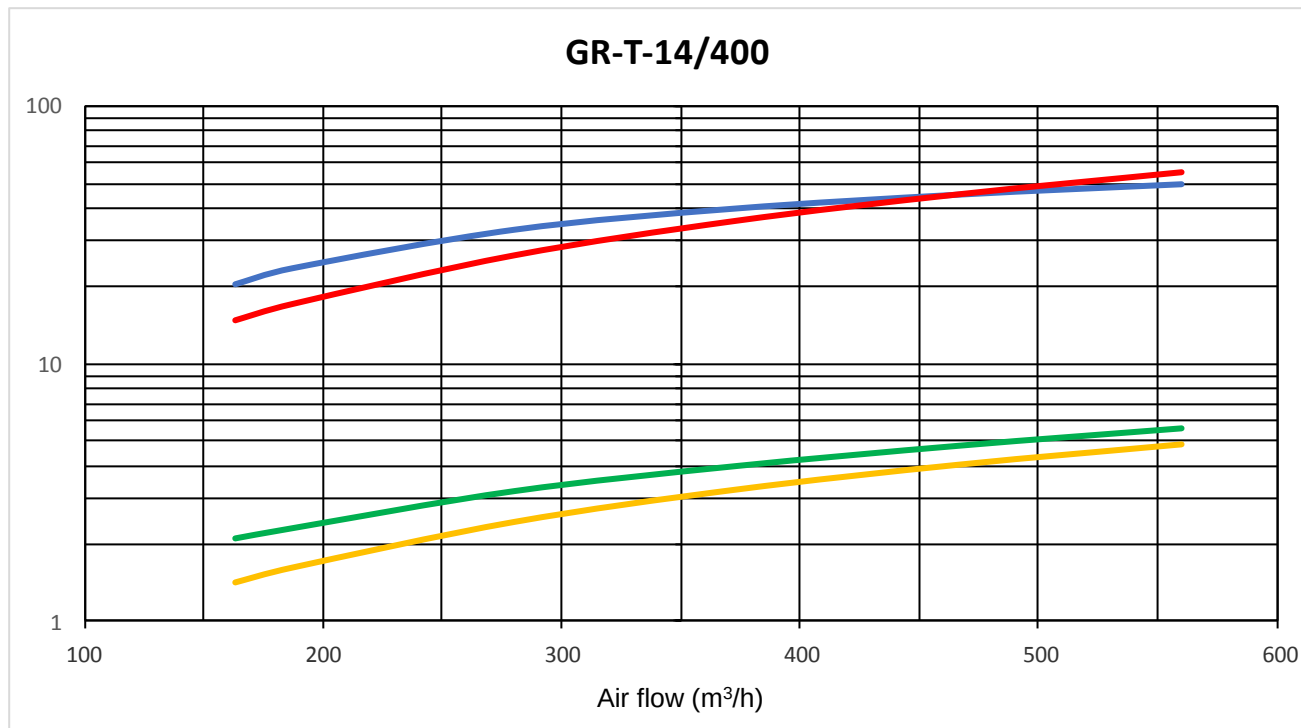
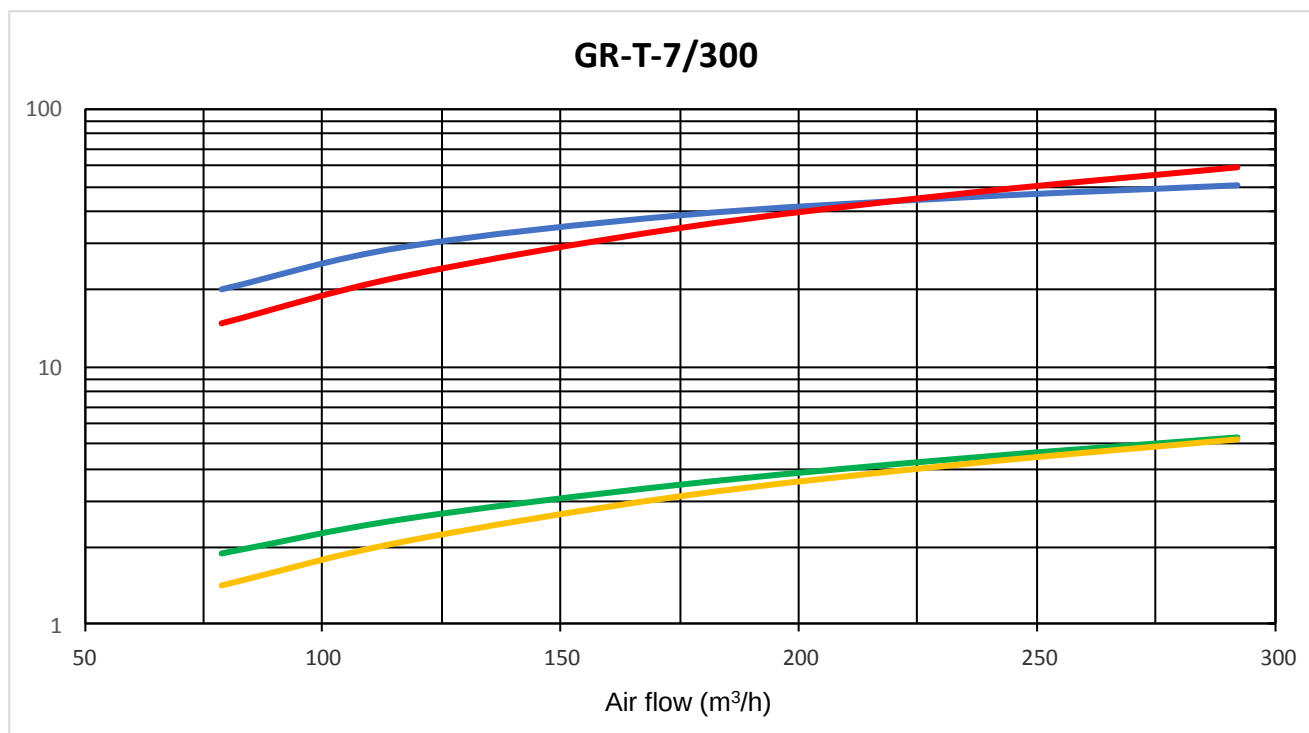
SELECTION DIAGRAMS

In the next diagrams we can see in relation with the airflow for every GR-T dimension:

- The noise Θ in dB(A).
- The pressure drop Δp in Pa.
- The vertical throw Y for $\Delta T=10K$ (heating) in m.
- The air velocity in the diffuser V in m/sec.

In the types -A and -RR the technical characteristics remain the same.

— Θ (dB(A)) — ΔP (Pa) — Y (m, $\Delta T=10K \Theta$.) — V (m/sec)



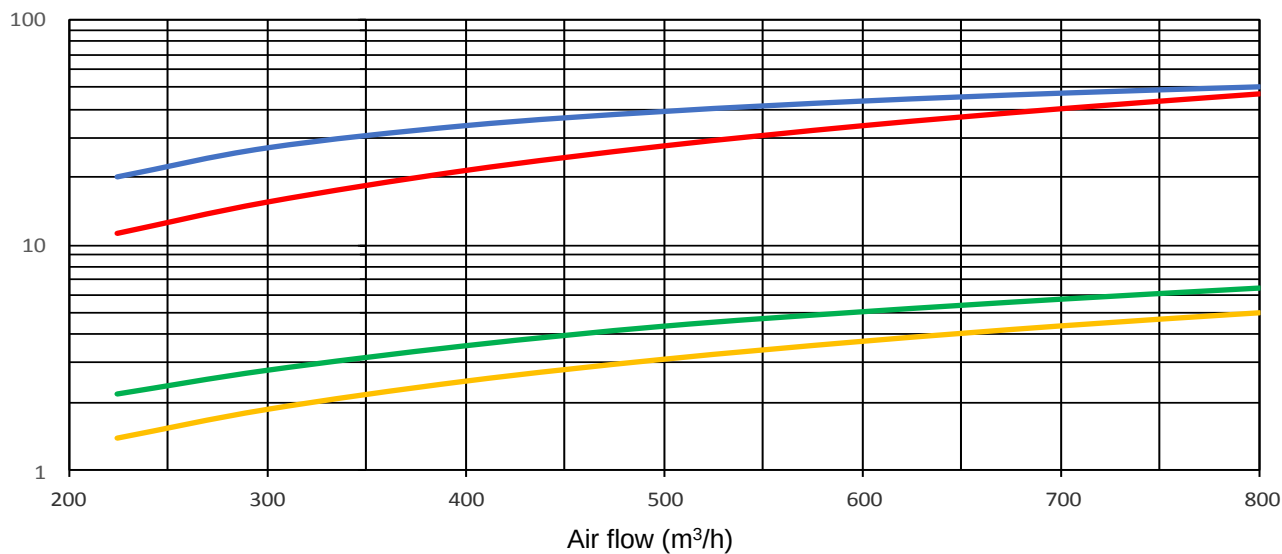


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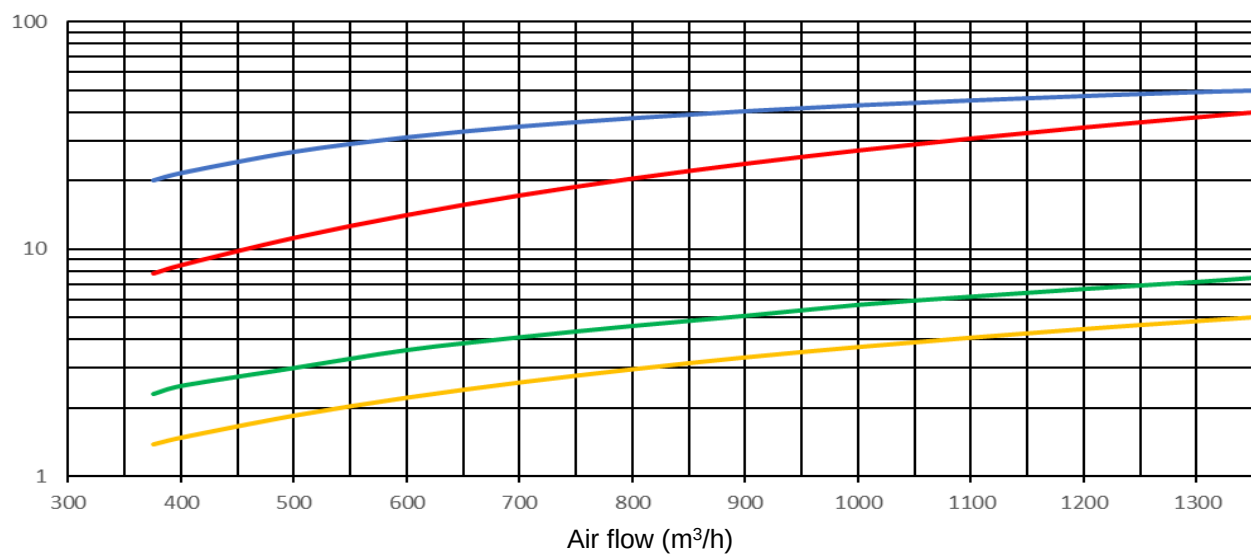
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GR-T-21/500



GR-T-21/595



GR-T-35/595

