



Description

TST is a circular supply diffuser. The distribution pattern can be altered and the gap width is adjustable.

The TST is a circular supply diffuser for ceiling installation. The two-part diffuser unit can be adjusted to provide the desired throw. A shielding device is included which can be used to alter the distribution pattern to a directional (180°) pattern.

Design

The TST is manufactured from galvanized sheet metal, with a white powder-coated finish (RAL 9003, gloss 30%). The TST is available with the following diameters: \varnothing 100, \varnothing 125, \varnothing 160, \varnothing 200, \varnothing 250 and \varnothing 315. This device can be used for extract air.

Mounting

The diffuser is installed directly onto the spiral duct and fixed with pop rivets. If the diffuser is fitted to a THOR plenum box.

TST-100-W

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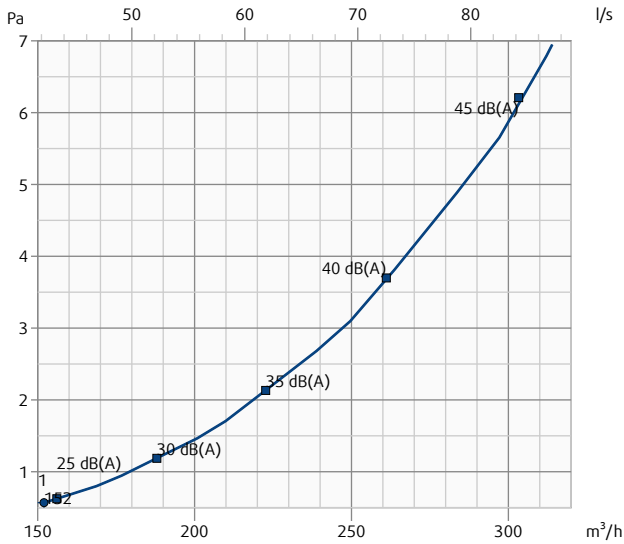
Configuration

Parameter	Value
Size	100
Accessories	Not selected
Surface finish	White (RAL9010, gloss 30%)

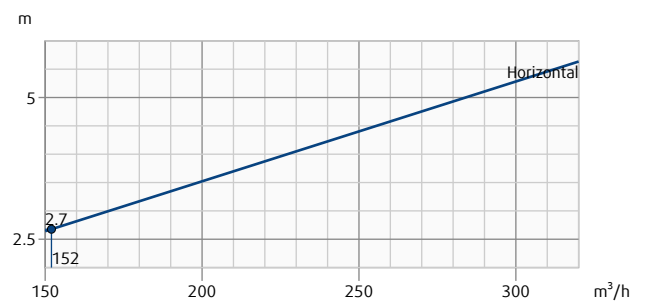
Calculation

Pressure drop & sound power level (A-weighted)

Total sound power level (A-weighted) - Discharged into room



Throw length (terminal velocity 0.2 m/s)



Measured with 30 mm gap.

Parameter	Value	Unit
Air flow	152	m³/h
Pressure drop	1	Pa
Room temperature	20	°C
Supply temperature	20	°C
Throw length (straight trajectory)	2.7	m
Total sound power level - Discharged into room	43	dB
Total sound power level (A-weighted) - Discharged into room	24	dB(A)
Total sound pressure level (10 m² room absorption, A-weighted)	20	dB(A)

Total sound power level (A-weighted) - Discharged into room									
	Hz	63	125	250	500	1k	2k	4k	8k
Lw	dB	42	31	25	23	17	11	11	12
LwA	dB(A)	15	14	16	19	17	13	12	10

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Flow pattern

Room width (X): 4.0 m

Room depth (Y): 3.0 m

Room height (Z): 2.8 m

Position X: 2.0 m

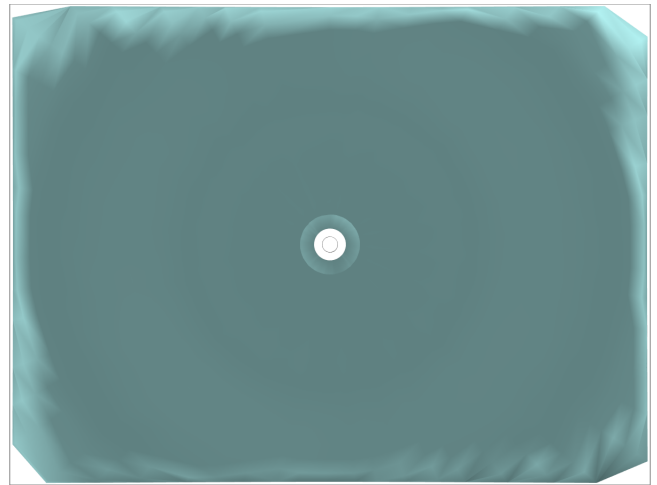
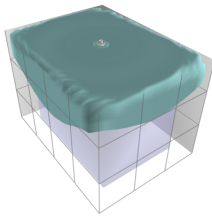
Position Y: 1.5 m

Position Z: 2.8 m

Angle: 0 °

Custom

Top



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Dimensions & weight

Dimensions



Dimensions	Value (mm)
Hmax	50
Hmin	30
$\varnothing J$	199
$\varnothing K$	99
$\varnothing L$	107
Rl	80
Length	0
Width	0
Height	0

Weight

Part	Weight (kg)
TST-100	1.0
operating_weight	0.0
shipping_weight	0.0

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Gallery



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Documents

[DeclarationOfConformity_TST_EN \(en-GB\)](#)

[InstalMaintenOperInstr_PP-99-01_TST_EN \(en-GB\)](#)

[UserManual_TST_EN_201309 \(en-GB\)](#)

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Associated products

[TSR](#)



Ceiling Diffuser with PB

[TSP](#)



Perforated Ceiling Diffuser with PB

[TSK](#)



Perforated Ceiling Diffuser

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Accessories