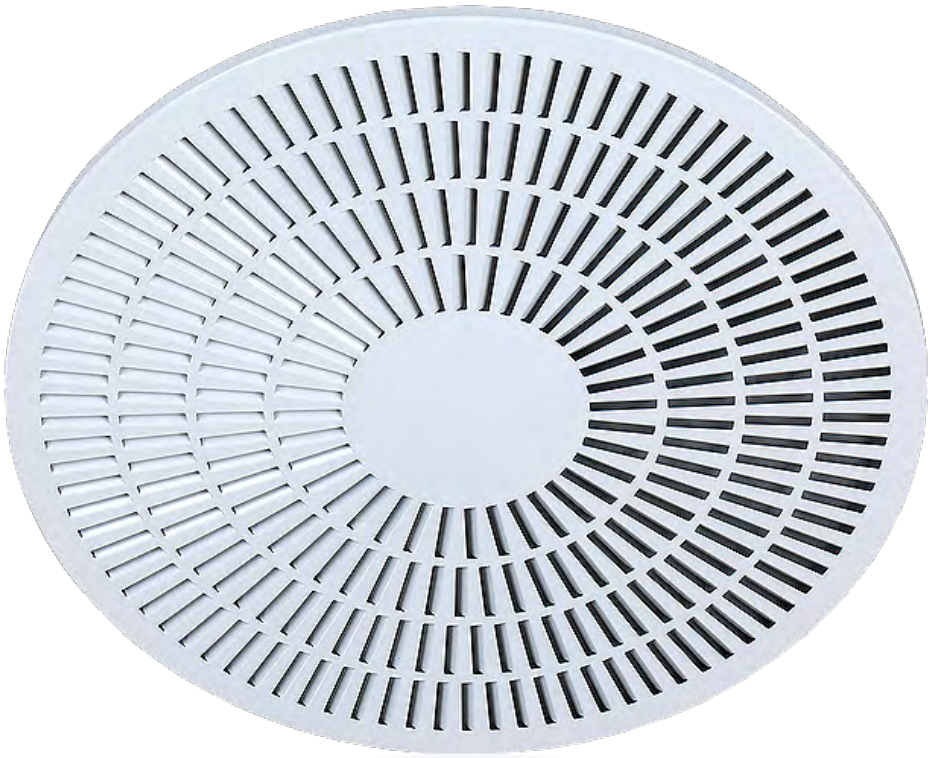
CLIMECON®

# TOF



TOF is an elegant and stylish twist supply air diffuser that becomes a part of almost any interior design solution.

06.16

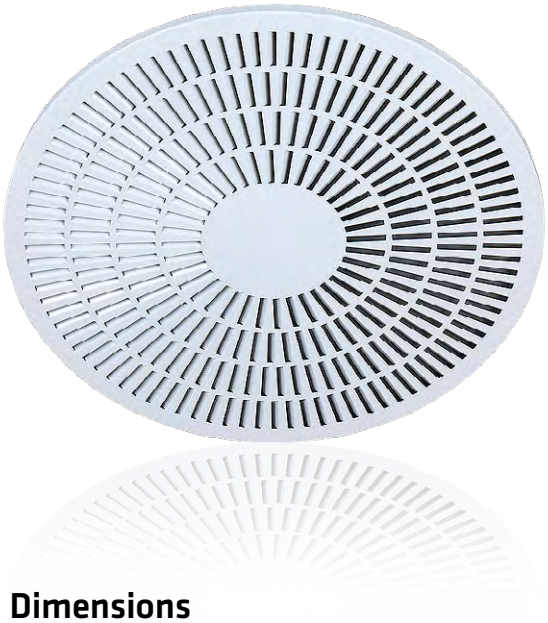
# TOF

TOF is an elegant and stylish twist supply air diffuser and especially interior architects like it. And no wonder, TOF becomes a part of almost any interior design solution and it allows you to use other interior elements and devices in the same room.

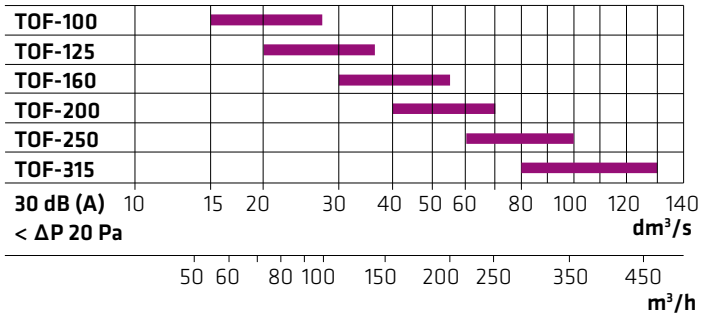
Low structure height and a special perforation makes this supply air diffuser an inconspicuous part of the interior as viewed from the side.

# TOF

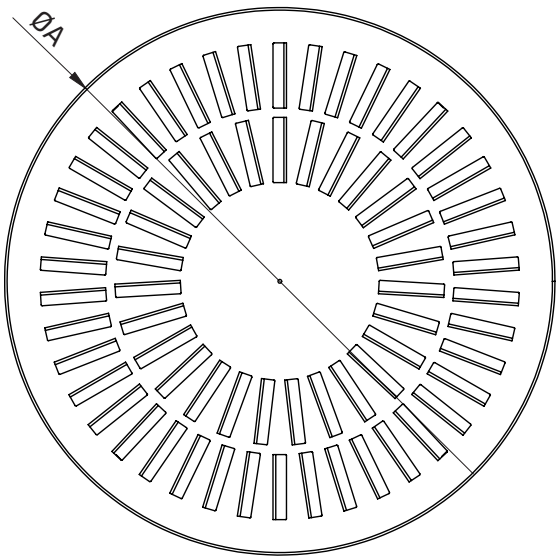
**TOF** is a supply air diffuser with a high mixing ratio using the swirl principle. TOF is suitable for use also in larger rooms
For the adjustment unit, we recommend the extremely accurate and quiet **SAM** damper or the **TAK** balancing plenum and dampening box

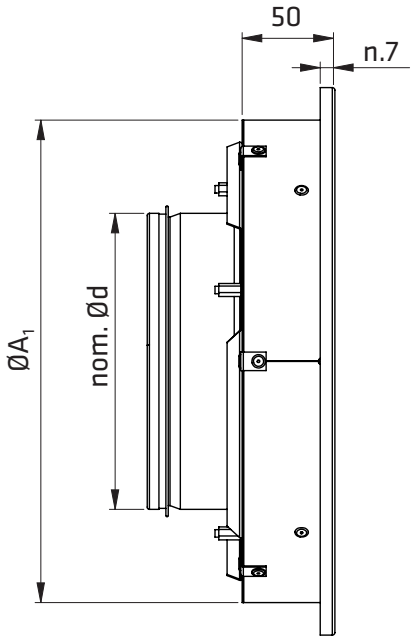


## Quick guide




## Dimensions



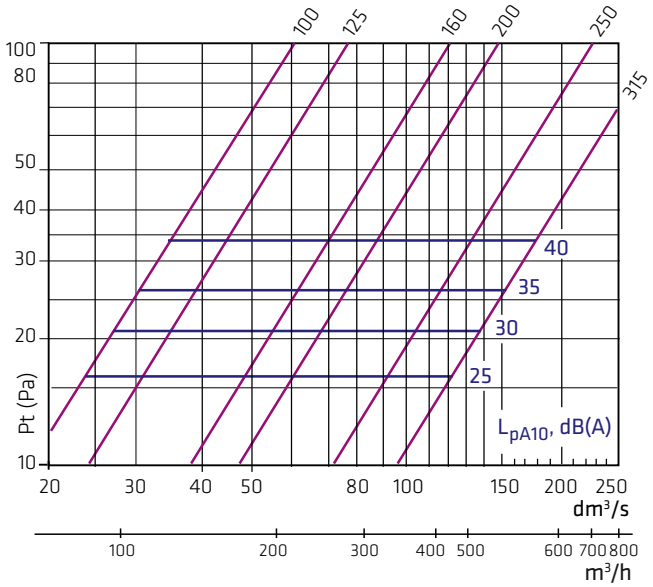




| | nom. Ød | ØA | ØA$_1$ | kg |
|---|---|---|---|---|
| **TOF-100** | 100 | 294 | 275 | 1,2 |
| **TOF-125** | 125 | 294 | 275 | 1,2 |
| **TOF-160** | 160 | 386 | 370 | 1,9 |
| **TOF-200** | 200 | 386 | 370 | 1,9 |
| **TOF-250** | 250 | 475 | 460 | 2,7 |
| **TOF-315** | 315 | 475 | 460 | 2,7 |

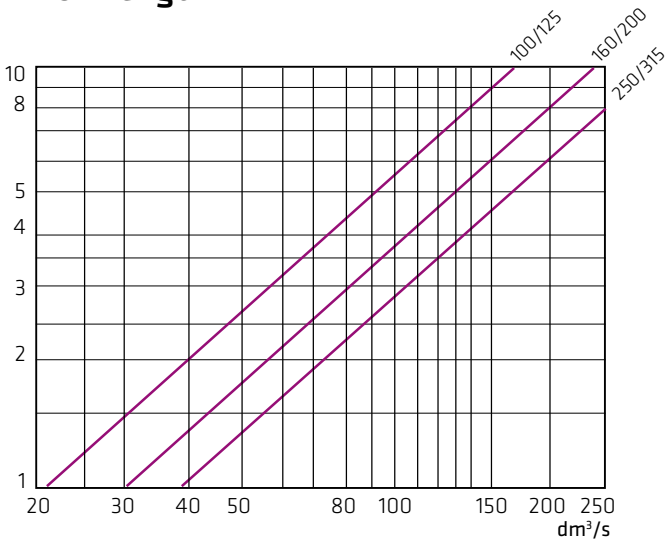
# Dimensioning

The graphs are not intended for adjustment.

## TOF-100-315




## Throw length



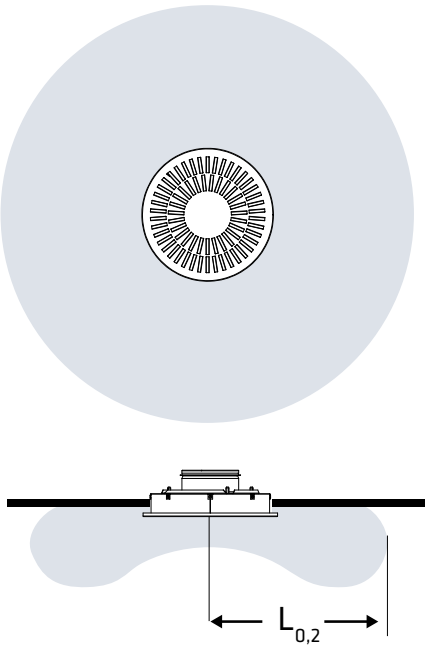

**$L_{wokt} = L_{pA10} + K$**

| | f, Hz | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
|---|---|---|---|---|---|---|---|---|---|
| **TOF-100** | K, dB | -9 | -5 | -2 | 1 | 1 | -5 | -20 | -25 |
| **TOF-125** | K, dB | -8 | -5 | -2 | 0 | 1 | -4 | -20 | -25 |
| **TOF-160** | K, dB | -4 | -5 | 1 | 2 | 4 | -4 | -18 | -24 |
| **TOF-200** | K, dB | -3 | -4 | 1 | 2 | 3 | -4 | -18 | -25 |
| **TOF-250** | K, dB | -4 | -1 | 4 | 3 | 2 | -5 | -18 | -25 |
| **TOF-315** | K, dB | -3 | 0 | 5 | 4 | 2 | -5 | -18 | -24 |

**ΔL (dB)**

| | f, Hz | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
|---|---|---|---|---|---|---|---|---|---|
| **TOF-100** | ΔL, dB | 23 | 15 | 8 | 2 | 1 | 1 | 4 | 5 |
| **TOF-125** | ΔL, dB | 21 | 14 | 7 | 1 | 0 | 1 | 3 | 4 |
| **TOF-160** | ΔL, dB | 19 | 14 | 4 | 1 | 0 | 1 | 3 | 4 |
| **TOF-200** | ΔL, dB | 17 | 10 | 4 | 0 | 1 | 1 | 3 | 4 |
| **TOF-250** | ΔL, dB | 14 | 9 | 2 | 0 | 1 | 1 | 2 | 3 |
| **TOF-315** | ΔL, dB | 10 | 8 | 0 | -1 | 1 | 1 | 2 | 3 |

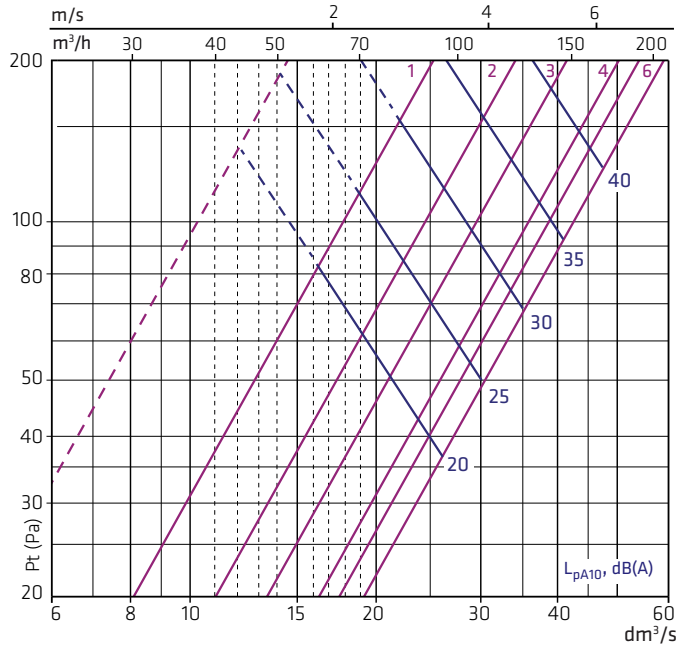
## Throw pattern



# Dimensioning

The graphs are not intended for adjustment.

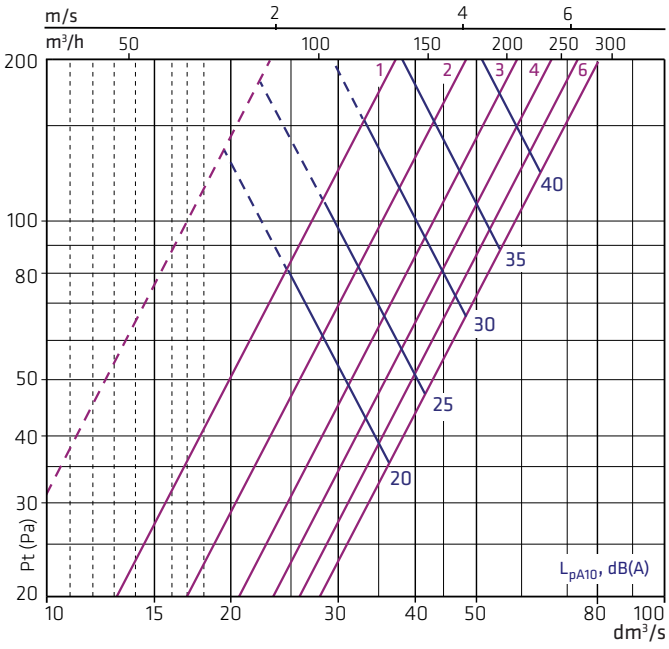
## TOF-125+TAK100-125




| $L_{wokt} = L_{pA10} + K$ | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **f, Hz** | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| **K, dB** | 2 | 11 | 7 | 1 | -2 | -8 | -11 | -14 |

| **ΔL (dB)** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **f, Hz** | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| **ΔL, dB** | 21 | 14 | 10 | 9 | 10 | 9 | 7 | 3 |

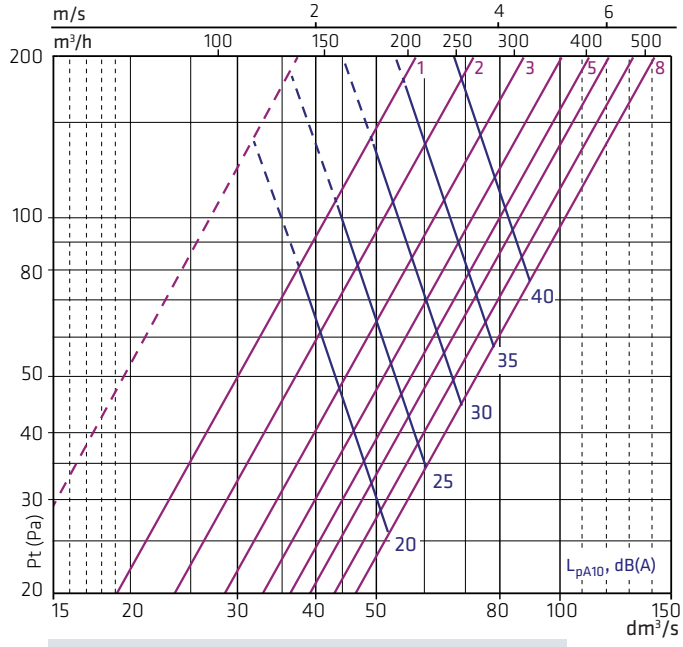
## TOF-160+TAK125-160




| $L_{wokt} = L_{pA10} + K$ | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **f, Hz** | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| **K, dB** | 3 | 9 | 6 | -1 | -1 | -6 | -12 | -20 |

| **ΔL (dB)** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **f, Hz** | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| **ΔL, dB** | 19 | 12 | 9 | 13 | 20 | 13 | 15 | 12 |

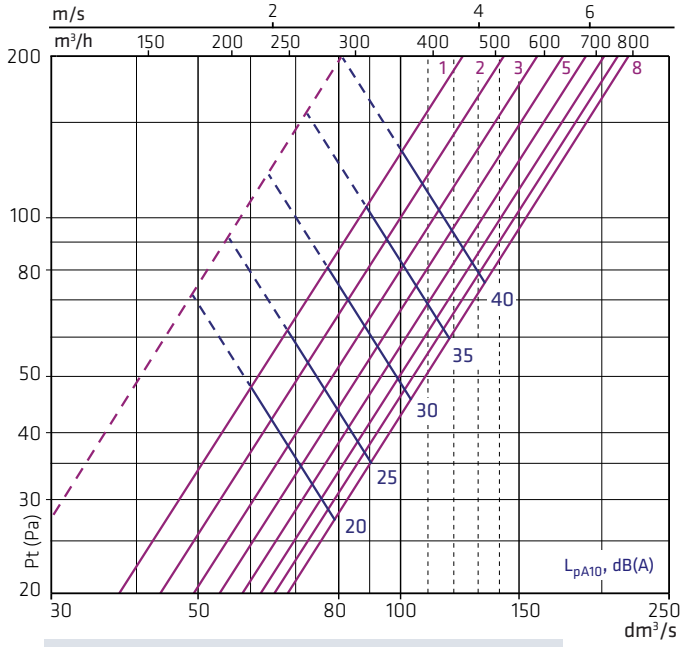
## TOF-200+TAK160-200




| $L_{wokt} = L_{pA10} + K$ | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **f, Hz** | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| **K, dB** | 5 | 11 | 4 | 1 | -1 | -6 | -12 | -16 |

| **ΔL (dB)** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **f, Hz** | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| **ΔL, dB** | 18 | 4 | 8 | 13 | 20 | 12 | 16 | 5 |

## TOF-250+TAK200-250




| $L_{wokt} = L_{pA10} + K$ | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **f, Hz** | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| **K, dB** | 7 | 12 | 4 | 2 | -2 | -8 | -12 | -16 |

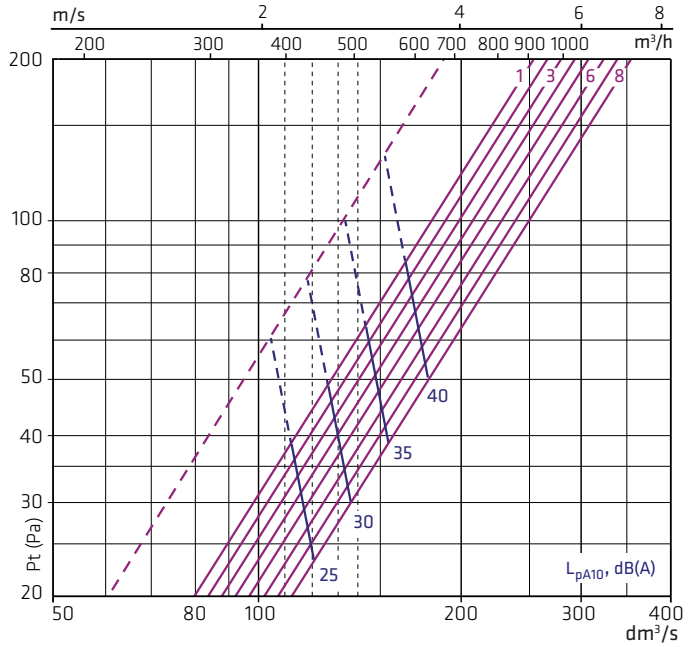
| **ΔL (dB)** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **f, Hz** | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| **ΔL, dB** | 15 | 3 | 10 | 13 | 13 | 12 | 14 | 4 |

A wider adjustment range: ---------- a part of the nozzles of the damper plugged.

## Dimensioning

The graphs are not intended for adjustment.

## TOF-315+TAK250-315




| $L_{wokt} = L_{pA10} + K$ | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **f, Hz** | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| **K, dB** | 7 | 11 | 4 | 3 | -2 | -11 | -20 | -27 |

| **ΔL (dB)** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **f, Hz** | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| **ΔL, dB** | 12 | 5 | 10 | 14 | 10 | 13 | 14 | 5 |

A wider adjustment range: ---------- a part of the nozzles of the damper plugged.