

Applicazione

- Il diffusore da soffitto DEB è adatto all'impiego in uffici, ospedali e negozi.
- Il diffusore DEB permette di selezionare diverse modalità di distribuzione dell'aria, da 1 via a 4 vie.
- Il range di portate d'aria è compreso tra 60 e 900 m³/h (15 - 250 l/s).
- L'impiego è consigliato fino ad una temperatura minima dell'aria immessa di 10 °C inferiore a quella dell'ambiente
- Il diffusore è equipaggiato con una connessione circolare
- Il diffusore DEB può essere montato su controsoffitto modulare o può essere appeso liberamente
- Il diffusore perforato da soffitto che si adatta perfettamente ad essere montato a controsoffitto è il DEB-I. I suoi dati prestazionali sono identici al DEB, ma le sue dimensioni esterne equivalgono al modulo standard di controsoffitto 600 x 600 mm, dove può facilmente essere installato
- La serie di diffusori DEB si articola su 6 grandezze: 10; 12; 16; 20; 25 e 31.



Accessori

- TLR: Plenum con connessione circolare sul lato. È fornito con serranda e presa per la misura di portata. La superficie interna del plenum è rivestita di materiale fonoassorbente
- HLR: Stesse caratteristiche del TLR, ma con connessione circolare superiore
- TL: Stesse caratteristiche del TLR, ma senza rivestimento fonoassorbente interno
- TK: Stesse caratteristiche del TLR, ma è indicato per esecuzioni piane.



Application

- This ceiling diffuser is suitable for use in offices, hospitals and stores.
- Easy to set desired spread pattern from 1-way to 4-way spread pattern.
- Airflow rates: 60-900 m³/h (15-250 l/s).
- We recommend use with a minimum temperature of input air that is a maximum of 10 °C lower than that of the room.
- The element is supplied with circular duct connection.
- The DEB is used for inserted mounting in standard false ceiling or can be hung freely.
- The perforated ceiling diffuser good for false ceiling mounting called: DEB-I. Its performance data are the same as for the DEB, but the external dimensions are the same as the standard false-ceiling 600 x 600 mm, where it can be easily installed.
- DEB diffusers come in 6 sizes: 10; 12; 16; 20; 25 e 31.

Accessories

- TLR: plenum box with circular duct connection on the side. It is supplied with damper and measuring tap. The inside of the box is lined with sound-proofing material.
- HLR: the same as TLR, but with upper connection.
- TL: the same as TLR, but without interior sound-proofing material.
- TK: same characteristics as the TLR, but is better for flat uses.

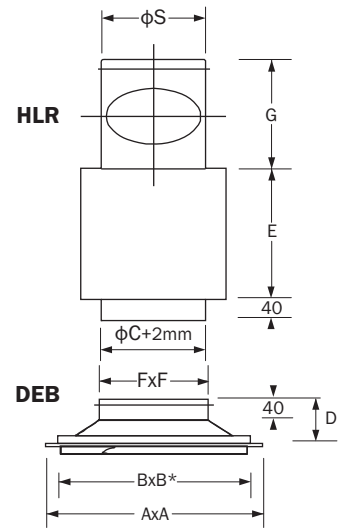
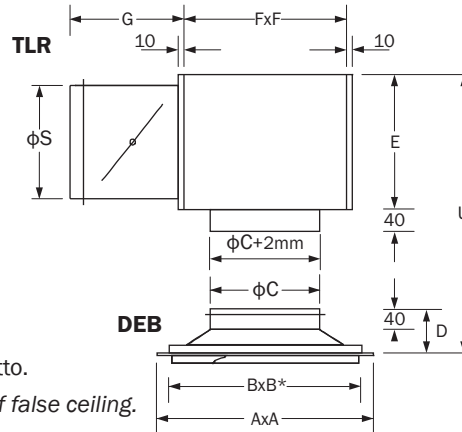
Construction characteristics

- Frame in powder coated sheet steel in white RAL 9010. Air directors in galvanized sheet steel. Accessories in galvanized sheet steel with cleanable acoustic insulation.

Caratteristiche costruttive

- Il diffusore DEB è costruito in acciaio verniciato a polvere RAL 9010. Gli accessori sono in acciaio zincato

Dimensioni / Dimensions DEB (mm)				
Grandezza (Size)	A	B	D	ΦC
10	230	168	65	98
12	270	215	70	123
16	325	270	80	158
20	425	370	90	198
25	525	470	105	248
31-250	600	545	110	248
31-315	600	545	110	313



U = Distanza minima tra soffitto e controsoffitto.
U = Min. space between ceiling and bottom of false ceiling.

La regolazione va effettuata riferendosi ai diagrammi.
Adjustments must be done by referring to the adjusting diagram.

Dimensioni / Dimensions TLR/HLR (mm)						
Grandezza (Size)	ΦS Serie	ΦS Spec.	E	F	G	U
100	98	78	130	170	130	195
125	123	98	170	190	150	240
160	158	123	220	270	175	300
200	198	158	250	300	220	340
250	248	198	300	350	300	405
31-250	248	198	310	400	300	420
31-315	313	248	375	400	300	470

Dimensioni / Dimensions DEB-TK (mm)							
Grandezza (Size)	ΦS	E	F	G	H	I	U
10-10/080	78						
12-12/100	98	185	360	130	260	123	215
16-16/125	123	190	400	150	300	150	225
20-20/160	158	200	500	175	400	180	250
25-25/200	198	240	600	220	500	235	300
31-31/250	248	290	700	300	600	290	360

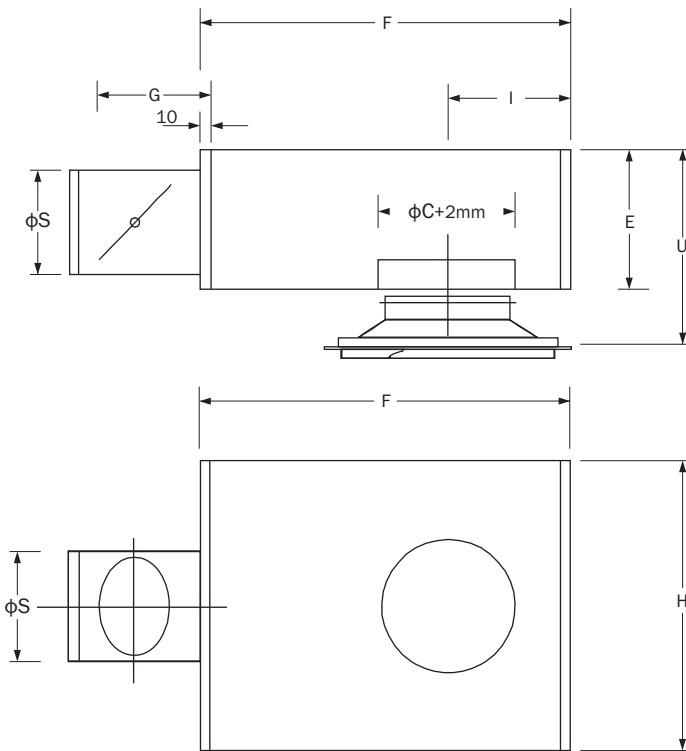
Fattore di correzione K ₀ dB / Correction K ₀ dB DEB-TLR/TK							
Grandezza (Size)	Banda di Ottava/Octave band [Hz]						
	63	125	250	500	1000	2000	4000
10	+16	+4	+2	+2	0	-4	-8
12	+18	+4	+3	+2	+1	-5	-10
16	+18	+5	+3	+2	+1	-6	-12
20	+19	+6	+2	+3	+1	-7	-14
25	+21	+9	+3	+4	-1	-6	-12
31	+22	+9	+4	+4	0	-6	-11

Toll. ± 3 dB

Attenuazione dB / Attenuation dB DEB-TLR/TK							
Grandezza (Size)	Banda di Ottava/Octave band [Hz]						
	63	125	250	500	1000	2000	4000
10	22	16	18	16	20	19	14
12	21	16	18	15	19	18	14
16	23	16	18	17	18	17	12
20	21	15	17	16	17	16	11
25	20	14	16	15	15	12	10
31	20	14	13	14	13	12	9

Toll. ± 3 dB

500

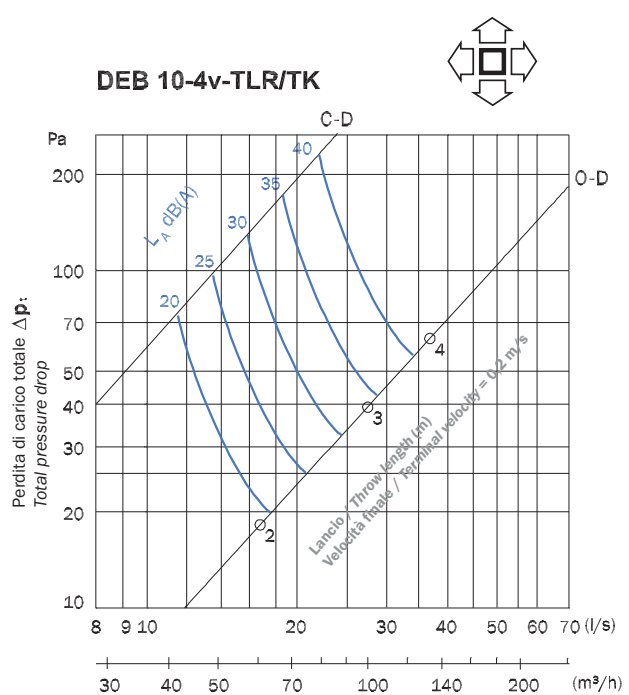
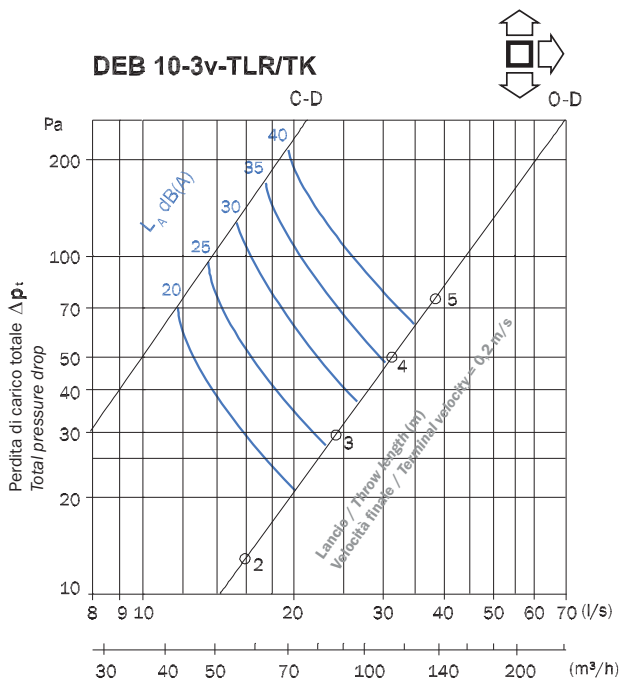
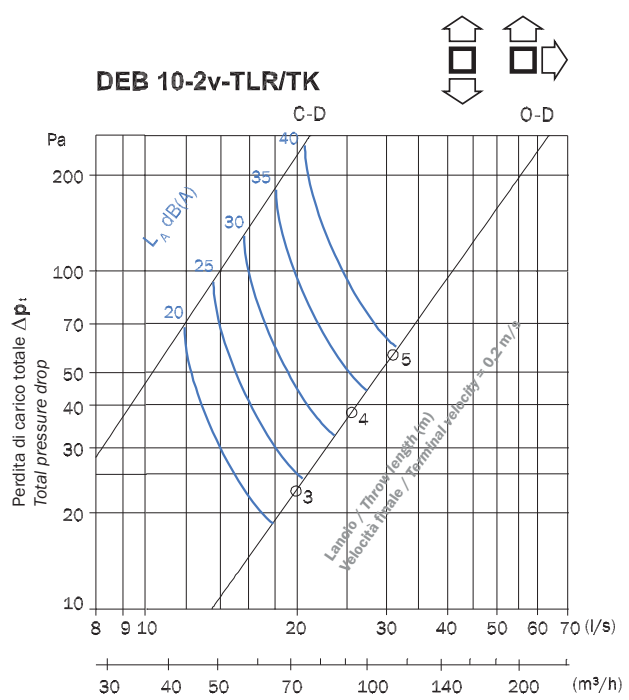
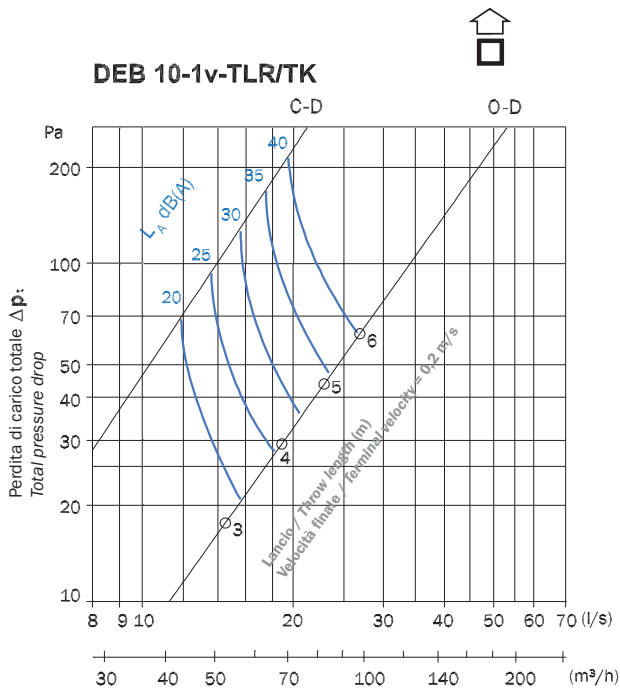


Prestazioni

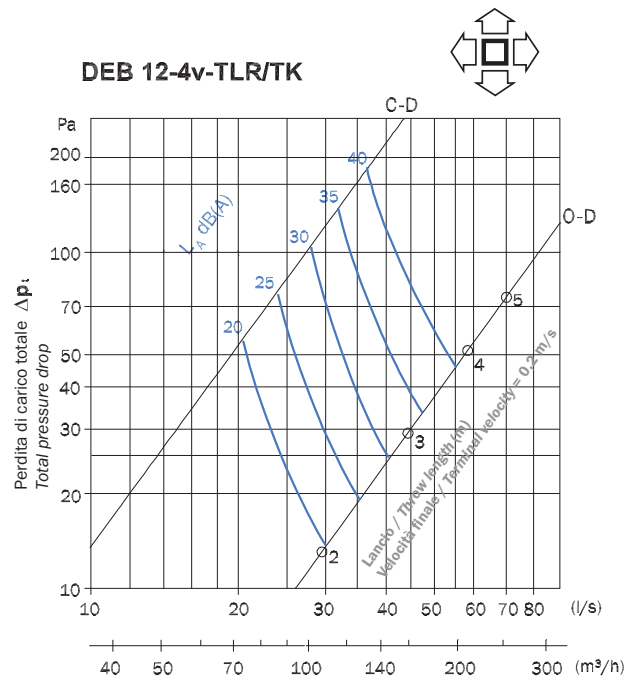
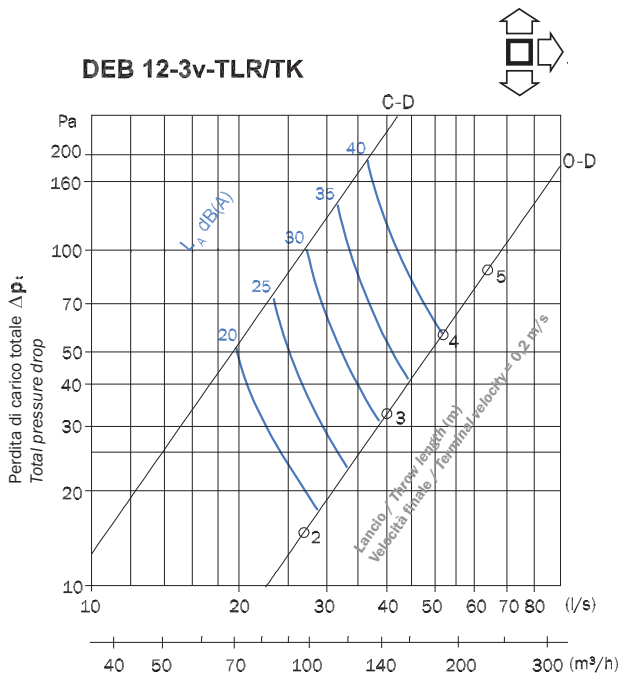
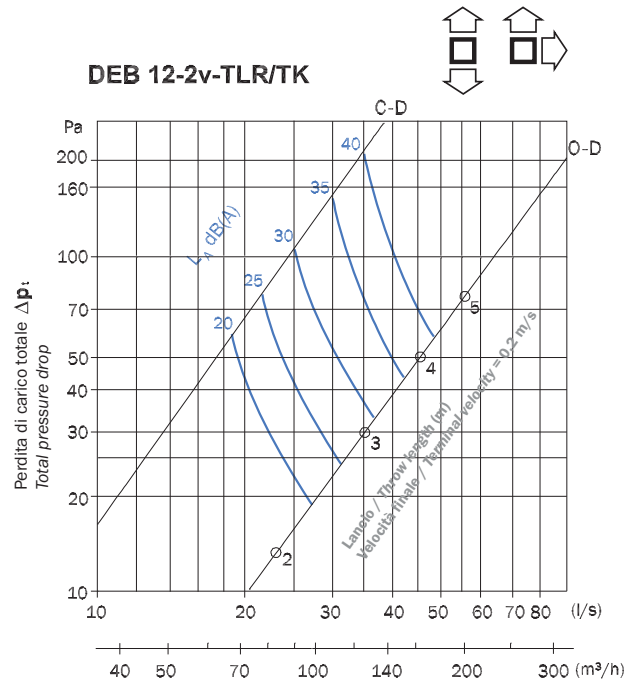
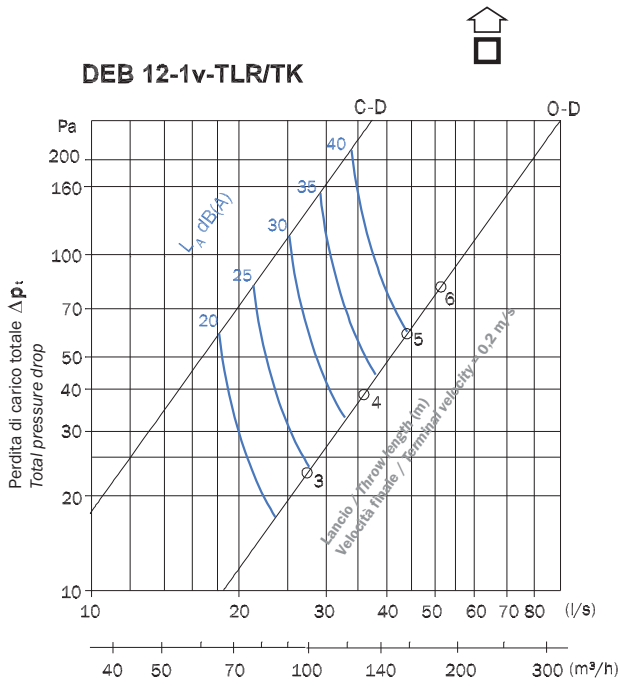
I dati si riferiscono al diffusore DEB con plenum TLR/TK. I livelli di pressione sonora LA riportati sui diagrammi sono misurati in una stanza con una attenuazione pari a 10 m² sabine. Livello di potenza sonora: L_w dB Pressione sonora: L_A dB (A) (vedi diagrammi) Fattore di correzione: K₀ dB da tabella L_w = L_A + K₀ L'attenuazione riportata in tabella è applicabile dal canale all'ambiente.

Performance data

The performance data applies to DEB with plenum box TLR/TK. The sound pressure levels LA shown on the diagrams are measured in a room with an attenuation of 10 m² sabine. Sound power level: L_w dB Sound level: L_A dB (A) (see diagrams) Correction factor: K₀ dB from table L_w = L_A + K₀ The attenuation shown in the table is applicable from the duct system to the room.

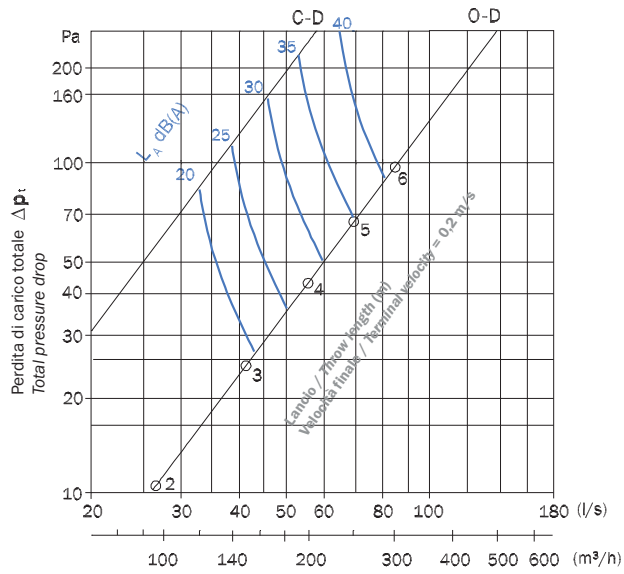


C-D: Serranda chiusa/Closed damper
O-D: Serranda aperta/Open damper

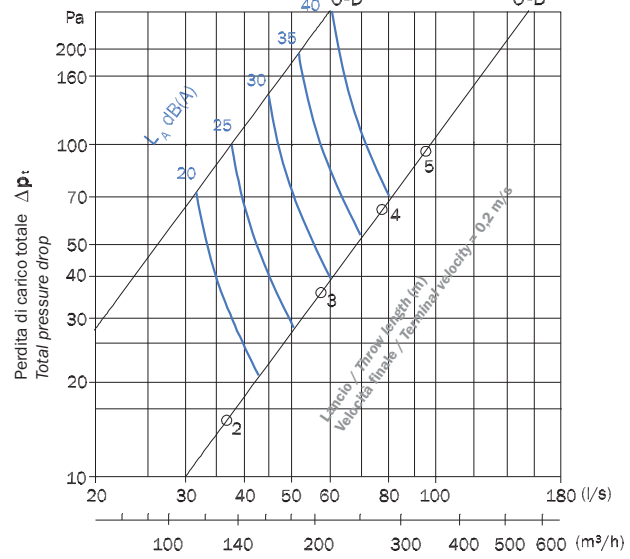
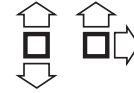


C-D: Serranda chiusa/Closed damper
O-D: Serranda aperta/Open damper

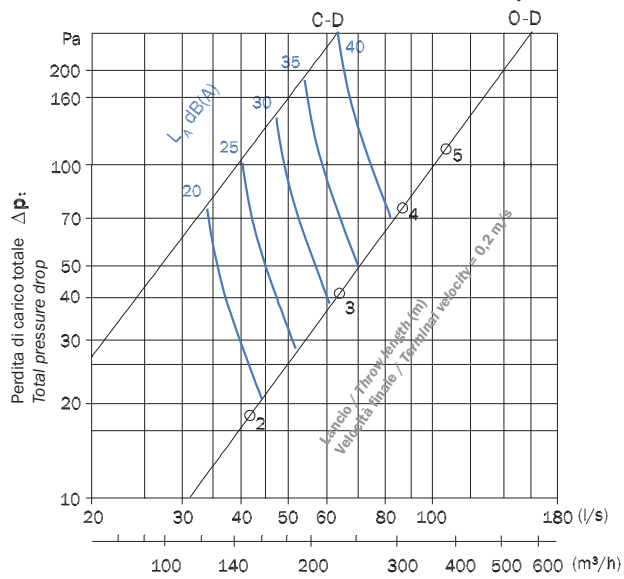
DEB 16-1v-TLR/TK



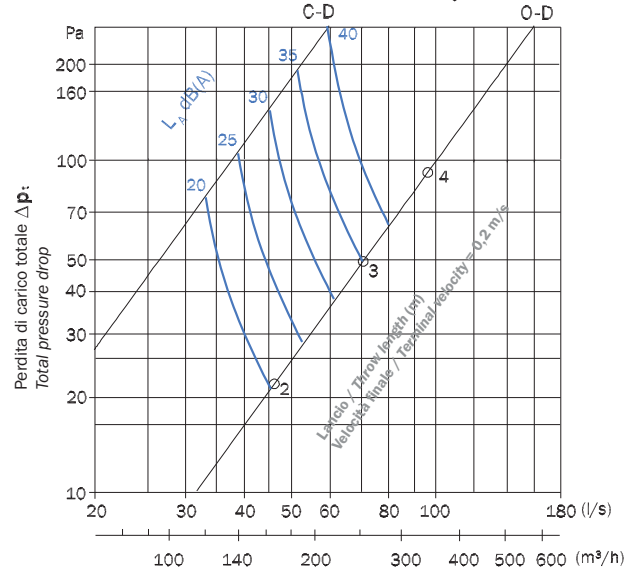
DEB 16-2v-TLR/TK



DEB 16-3v-TLR/TK

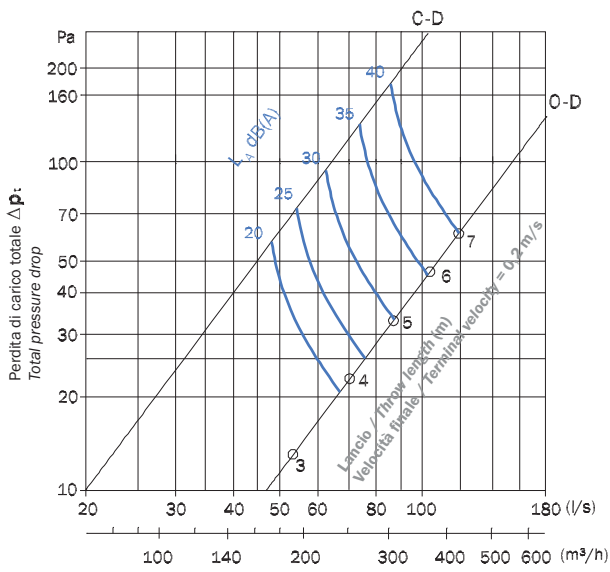


DEB 16-4v-TLR/TK

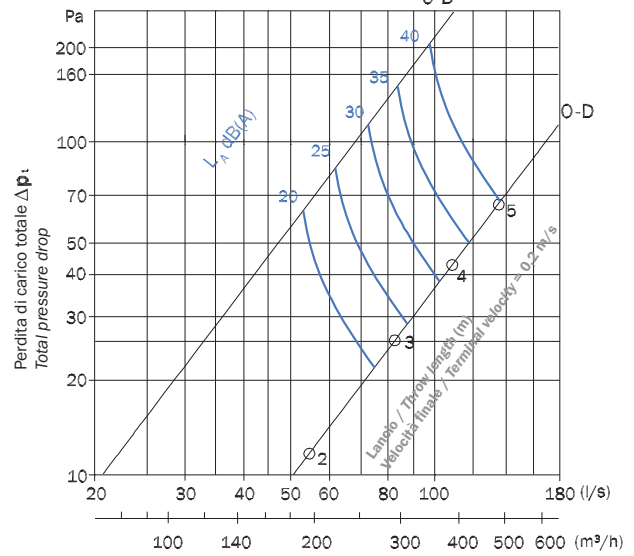


C-D: Serranda chiusa/Closed damper
O-D: Serranda aperta/Open damper

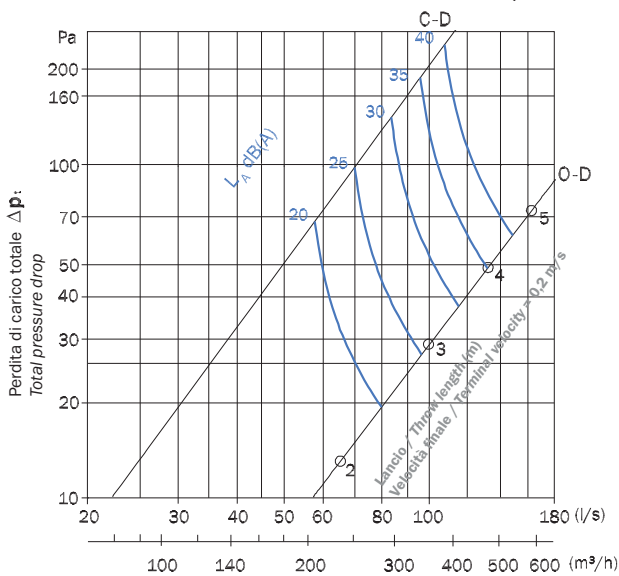
DEB 20-1v-TLR/TK



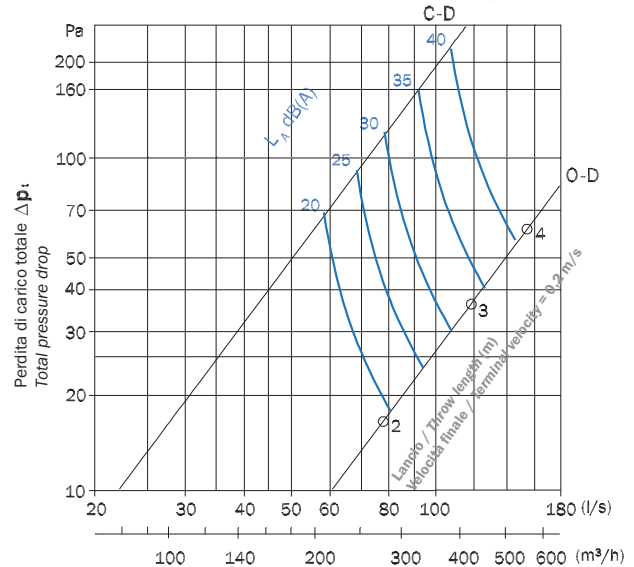
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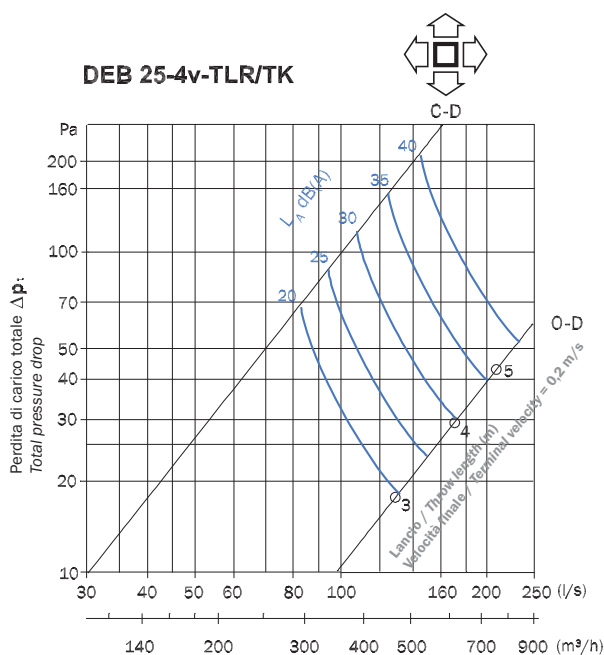
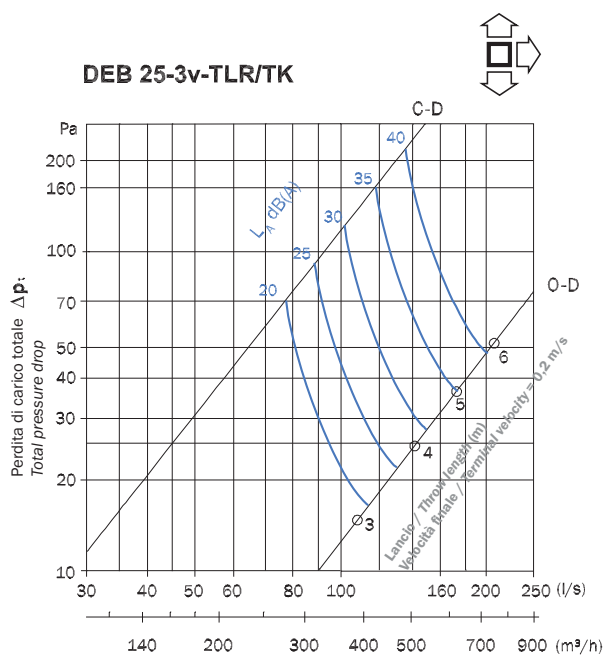
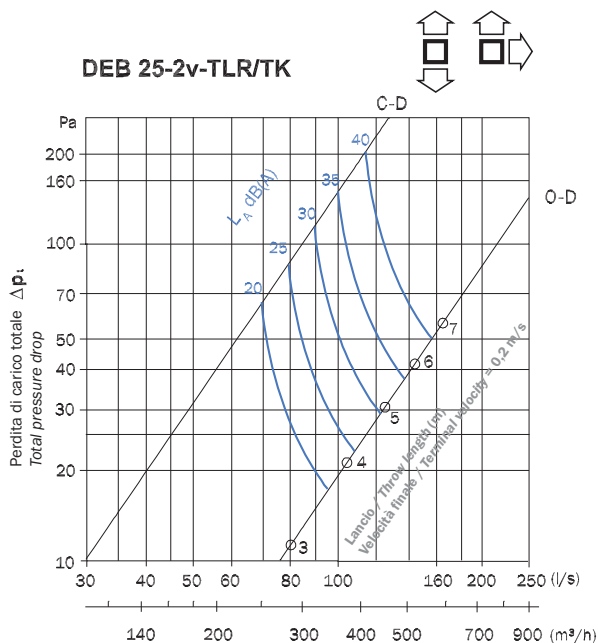
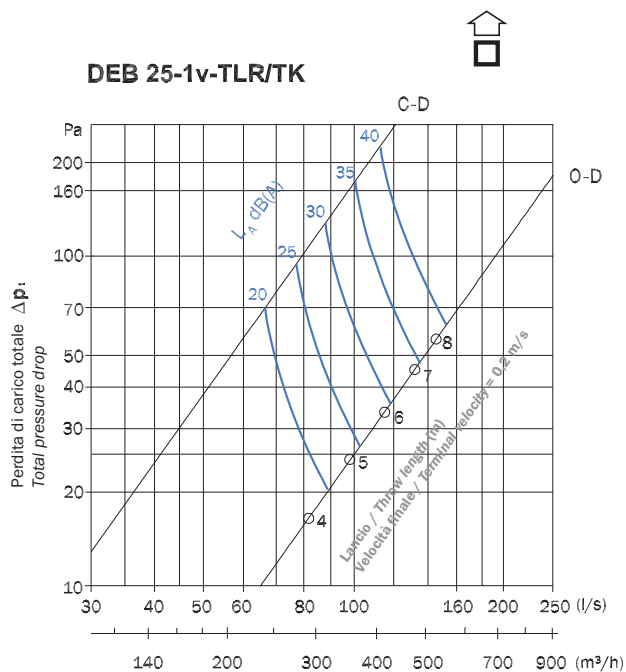
DEB 20-3v-TLR/TK



DEB 20-4v-TLR/TK

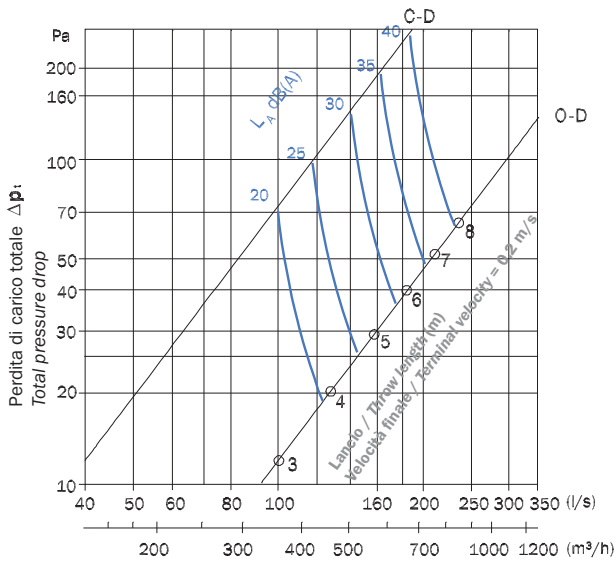


C-D: Serranda chiusa/Closed damper
O-D: Serranda aperta/Open damper

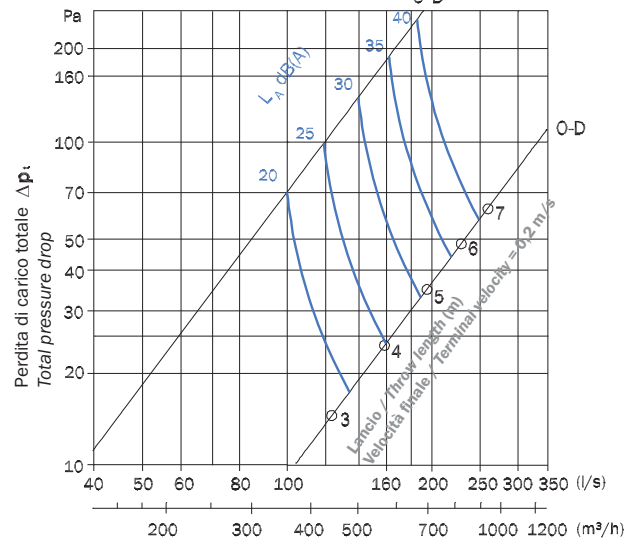
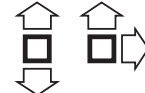


C-D: Serranda chiusa/Closed damper
O-D: Serranda aperta/Open damper

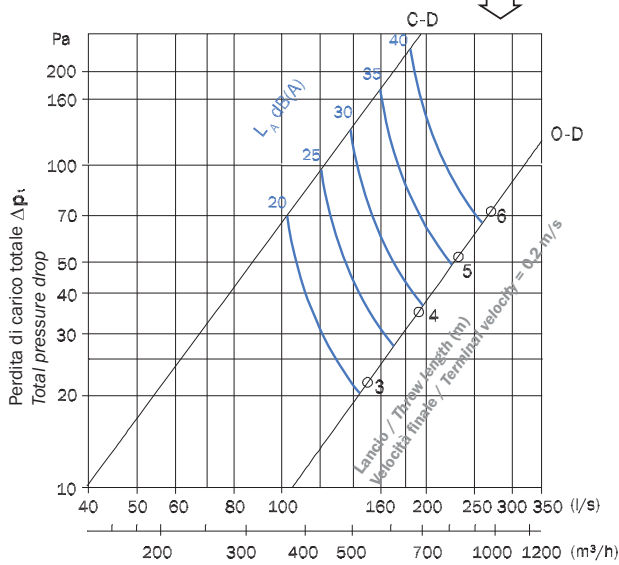
DEB 31-1v-TLR/TK 315/250



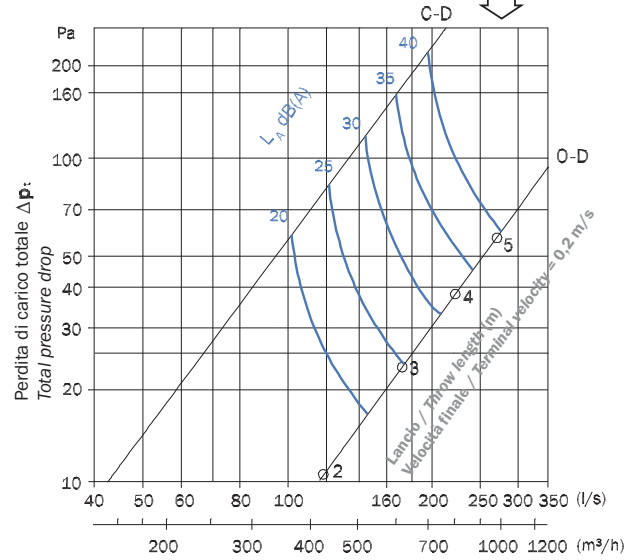
DEB 31-2v-TLR/TK 315/250



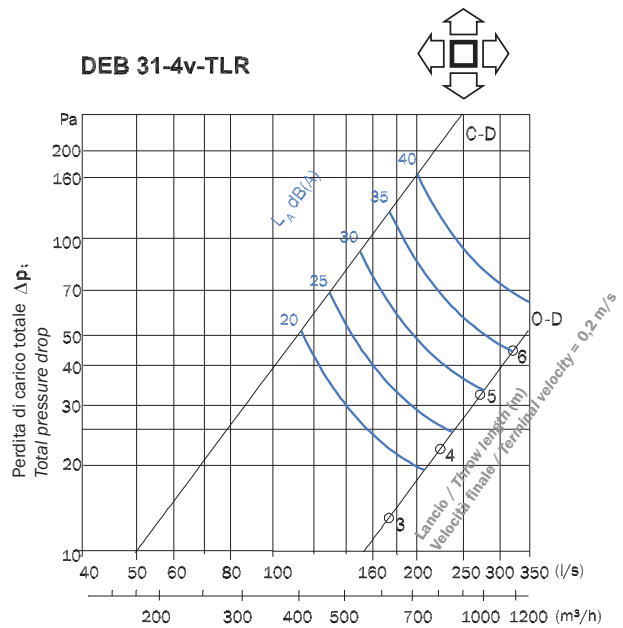
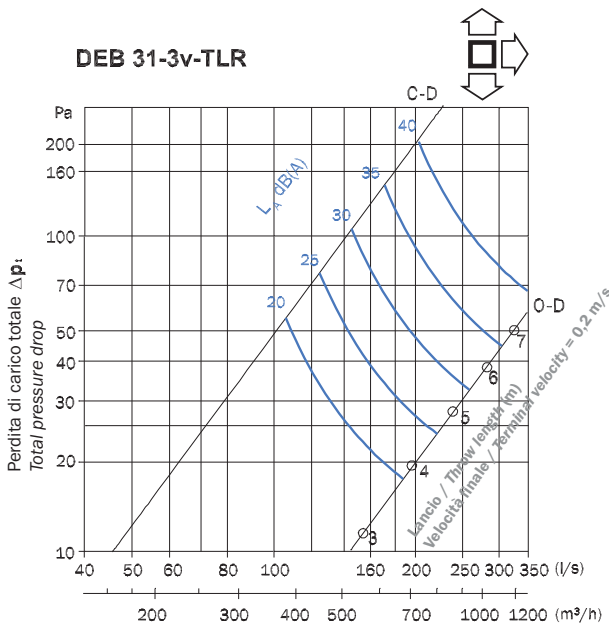
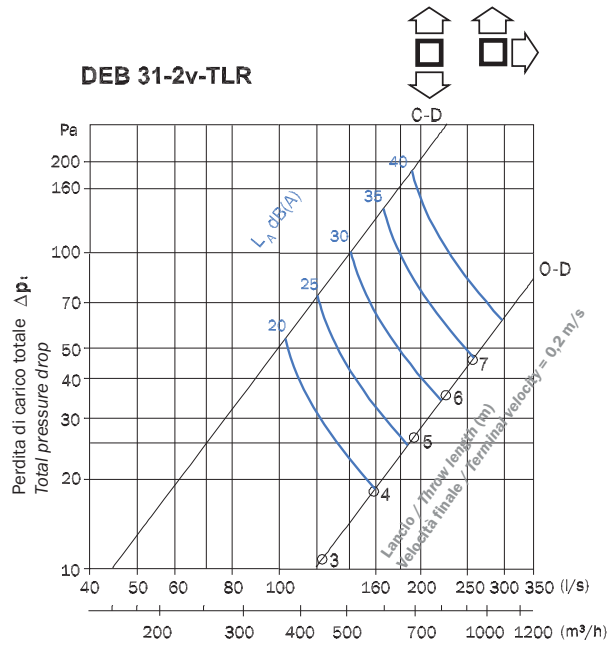
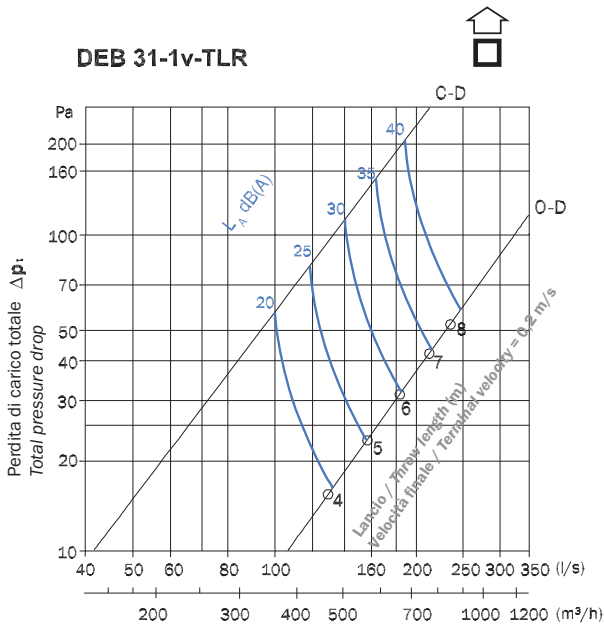
DEB 31-3v-TLR/TK 315/250



DEB 31-4v-TLR/TK 315/250



C-D: Serranda chiusa/Closed damper
O-D: Serranda aperta/Open damper



C-D: Serranda chiusa/Closed damper
O-D: Serranda aperta/Open damper