

EER Grease canopy



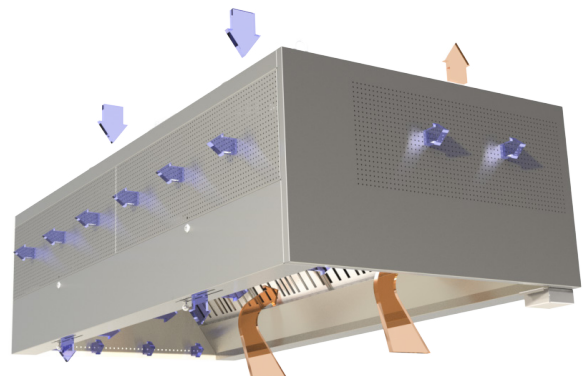
The EER Grease canopy ensures a clean, hygienic and comfortable work environment by removing pollutants, excessive heat and grease from your commercial kitchen operation. The same unit supplies fresh, replacement air into the room to provide ultimate worker comfort.

Features

- Replacement room air provided through front panel
- High efficiency HFK centrifugal filters
- Adjustable supply air for working area
- Airflow measurement and adjusting unit
- "Turbo Grip" air intake system

Operation

The EER Grease canopy removes excess heat, grease and other particles from your commercial kitchen operation. Supply air is fed into the room through the perforations in the front panel, as well as through extra nozzles in the working area. Air supplied by the "Turbo Grip" air intake system along the lower perimeter of the canopy helps route kitchen effluent into the grease filters to remove grease and other pollutants. The grease then drains from the filter down and into the grease collection channel of the canopy and into a grease collection container. Replacement air directed to the working area can easily be individually adjusted.

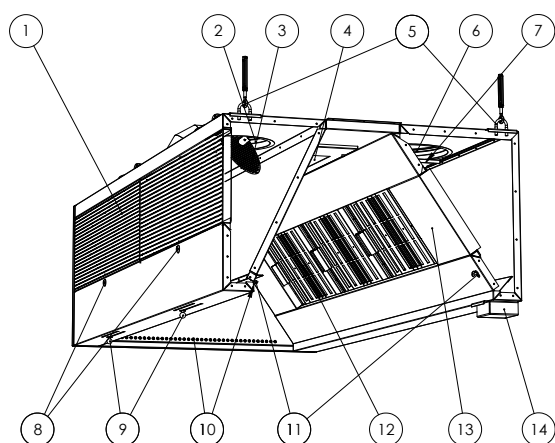


Recommended Data

Lenght L	Extraction air flow (E1, E2), l/s (Δp_{tot} 14-48 Pa)	Supply air flow per linear meter of panel, l/s			
		SPx1+ "Turbo Grip"	SPx2+ "Turbo Grip"	SPx3+ "Turbo Grip"	Side panel
1500	210-390				
2000	280-520	10-61 Pa	10-40 Pa	10-28 Pa	10-40 Pa
2500	350-650	71-175 l/s	110-220 l/s	165-275 l/s	22-40 l/s
3000	420-780				

Construction and Dimensions

The canopy is made from 1 mm thick stainless steel (AISI 304, surface 2K). Duct connections are equipped with rubber gaskets, and supply air chambers are heat insulated to prevent condensation of steam on the inner surface of the canopy. Heavy duty U-bolts are installed on each top corner of the canopy for hanging. We know that no two kitchens are exactly alike. We have designed our kitchen canopies to be modular, so we can custom design and manufacture a canopy solution to meet your each and every project requirement or technical need.



- 1- Front panel
- 2- Supply air connection
- 3- Supply air regulating plate
- 4- Lighting
- 5- Suspension points
- 6- Exhaust air connection
- 7- Exhaust air regulating plate
- 8- Front panel lock
- 9- Auxiliary supply air openings
- 10- "Turbo Grip" air nozzle system
- 11- Airflow measuring nipples
- 12- HFK grease filters
- 13- Blind panel for grease filter rail
- 14- Grease collection container

EER Standard canopy dimensions, mm

L Lenght	600, 700, ..., 2800, 2900
B Width	900 (No lighting) 1000, 1100, ..., 1700, 1800 (1 modul) 2000, 2200, ..., 3400, 3600 (2 moduls)
H Height	400, 550, 400/550

Lighting

Professional kitchens require functional lighting to ensure that employees have a safe and effective work environment. Our professional kitchen canopies use next generation, energy efficient LED lights, which can save as much as 50% more energy compared to older technology fluorescent lights.

Grease removal canopies include light fixtures integrated into their ceilings, protected by an aluminum and glass casing. Condensation canopies use surface mounted lighting, protected by a fiberglass-reinforced plastic casing. Their electrical protection class is IP66.

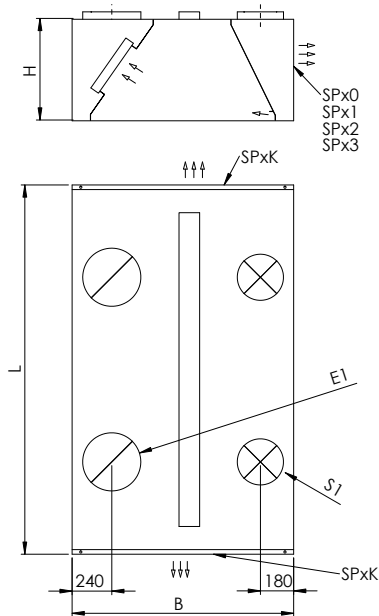
The size and number of light fixtures are determined by the size of the canopy, to ensure there is enough light output for the entire workspace.

Luminaries:

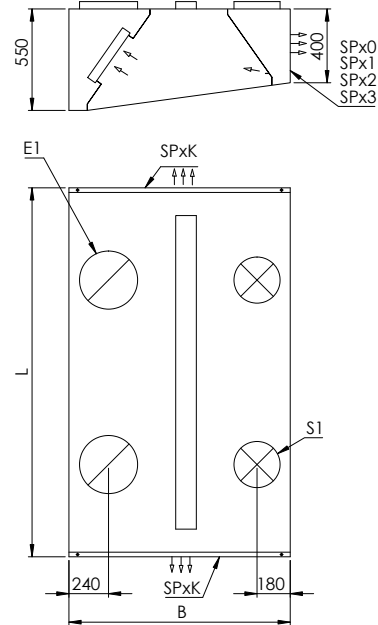
Canopy length (mm)	Lighting length (mm)	Energy use (W)	Light color	Color temperature (K)	Color rendering index (Ra)	Flux (lm)
$1000 \leq L < 1600$	LED770	20	840	4000	80	2250
$1600 \leq L < 1900$	LED1370	37	840	4000	80	4900
$L \geq 1900$	LED1670	53	840	4000	80	6750

EER Wall installation, 1-part

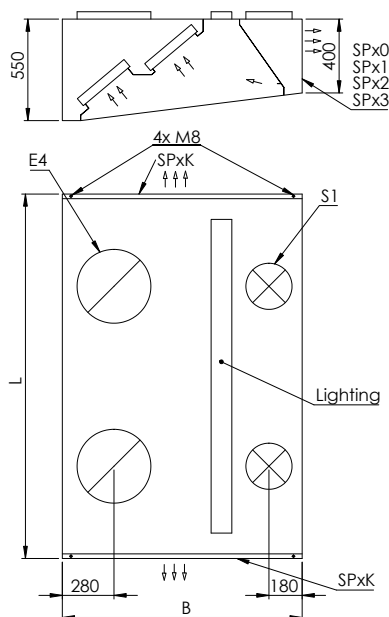
L Length	600,700, ..., 2800, 2900
B Width	B=900 (No lighting) B=1000,1100, ..., 1800
H Height	400, 550
S1	160, 200, 250
E1	200, 250, 315

**EER Wall installation, 1-part (trapezoid)**

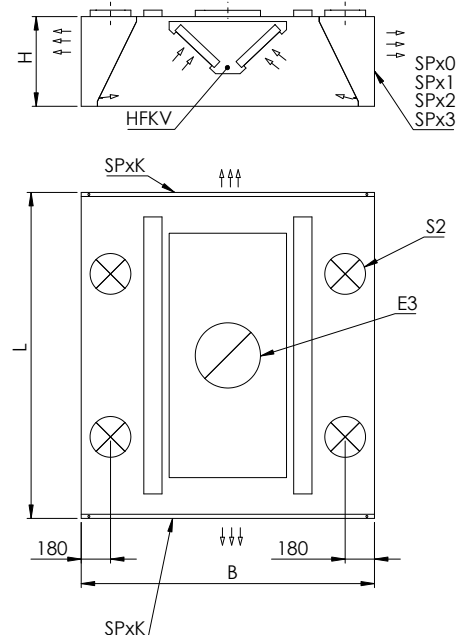
L Length	600,700, ..., 2800, 2900
B Width	B=900 (No lighting) B=1000,1100, ..., 1800
H Height	400/550
S1	160, 200, 250
E1	200, 250, 315

**EER Wall installation, 1-part, E4**

L Length	600,700, ..., 2800, 2900
B Width	B=1200 (No lighting) B=1300,1400, ..., 1800
H Height	400/550, 550
S1	160, 200, 250
E4	200, 250, 315, 400

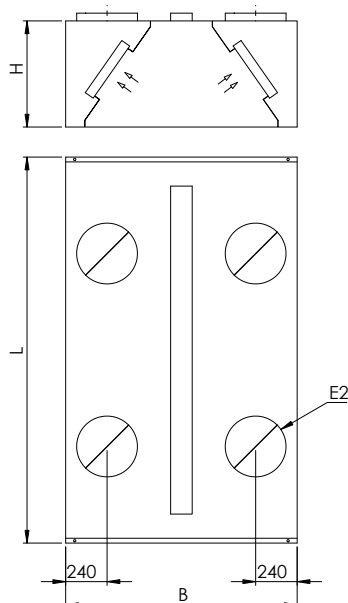
**EER Island installation, 1-part (with HFKV modul)**

L Length	600,700, ..., 2800, 2900
B Width	B=1500 (No lighting) B=1600,1700 (1 row lightings) B=1800, 1900, ..., 2900 (2 row lightings)
H Height	400, 550
S2	160, 200, 250
E3	200, 250, 315, 400 (HFKV modul)

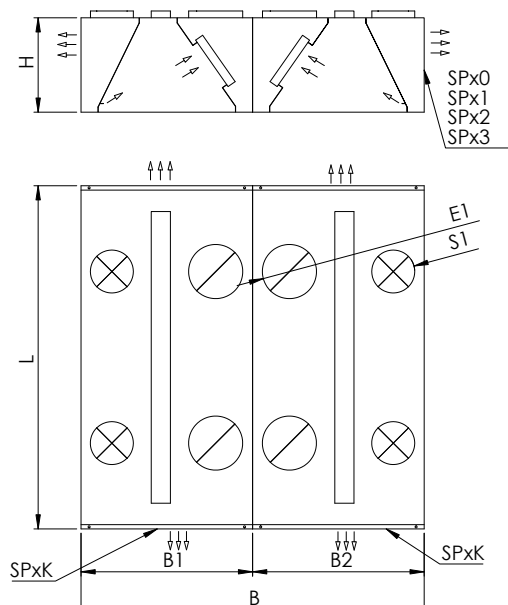


EER Extraction canopy, 1-part

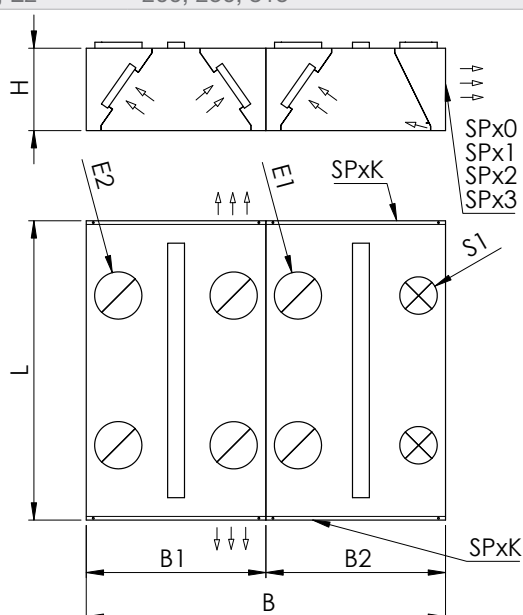
L Length	600, 700, ..., 2800, 2900
B Width	B=1000 (No lighting) B=1100, 1200, ..., 1700, 1800
H Height	400, 550
E2	200, 250, 315

**EER-2 Island installation, 2-parts**

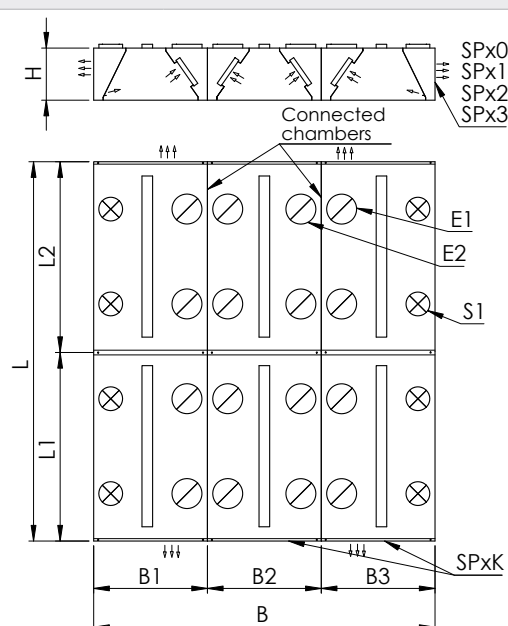
L Length	600, 700, ..., 2800, 2900
B Width	B=1800, 1900 (No lighting) B=2000, 2200, ..., 3400, 3600
B1/B2 Width	900 (No lighting) 1000, 1100, ..., 1800
H Height	400, 550, 400/550
S1	160, 200, 250
E1	200, 250, 315

**EER-2 Island installation, 2-parts**

L Length	600, 700, ..., 2800, 2900
B Width	B=1900 (No lighting) B=2000 (1 row lighting) B=2100, 2200, ..., 3400, 3600
B1/B2 Width	900 (No lighting) 1000, 1100, ..., 1800
H Height	400, 550
S1	160, 200, 250
E1, E2	200, 250, 315

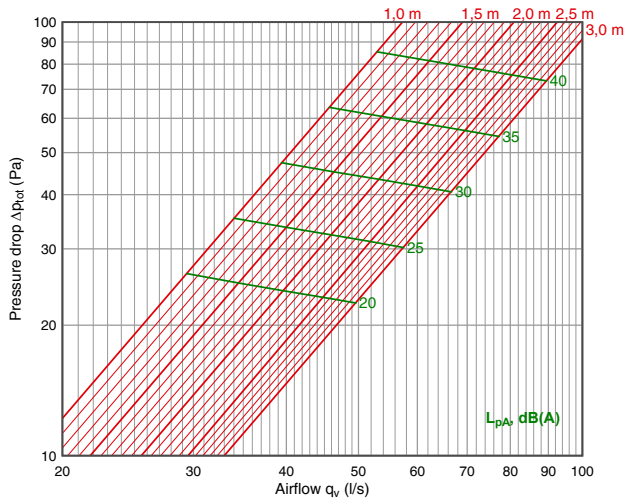
**EER-3 Island installation, 3-parts (Width B)**

L1/L2 Length	600, 700, ..., 2800, 2900
B Width	2800 (No lighting) 2900 (1 row lighting) 3000 (2 rows lighting) 3100, 3200, ..., 5300, 5400
H Height	400, 550
S1	160, 200, 250
E1, E2	200, 250, 315

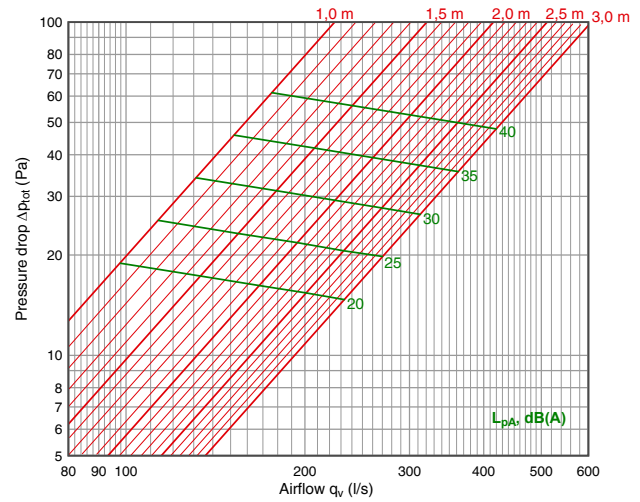


Technical data

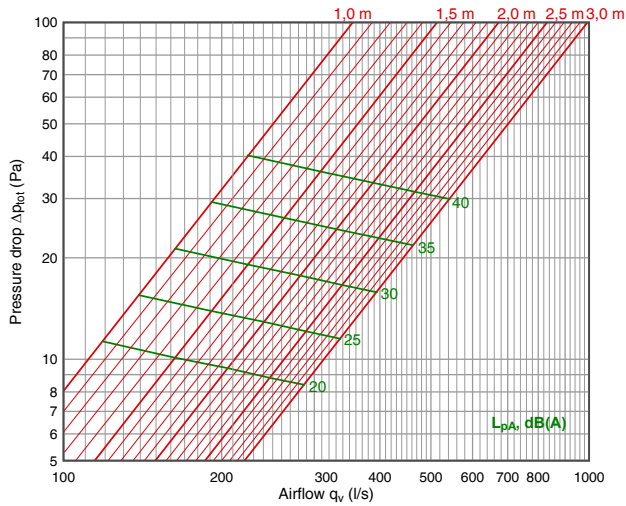
Supply air: "Turbo Grip"



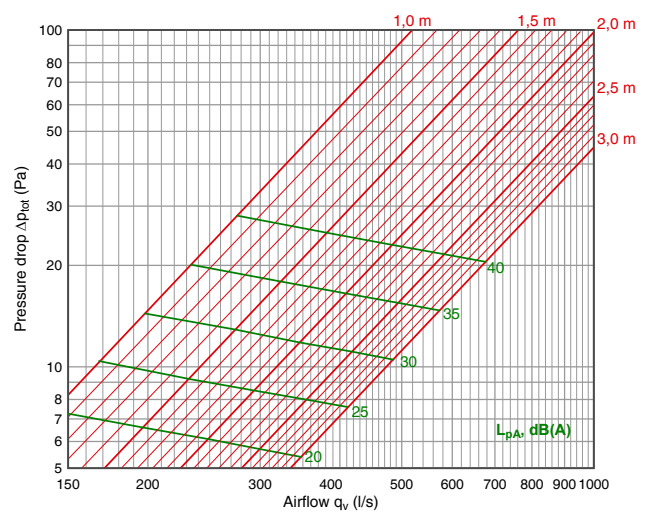
Supply air: SP1+"Turbo Grip"



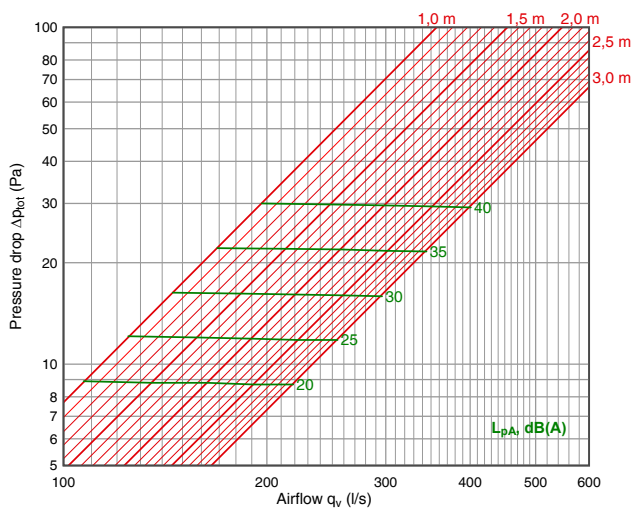
Supply air: SP2+"Turbo Grip"



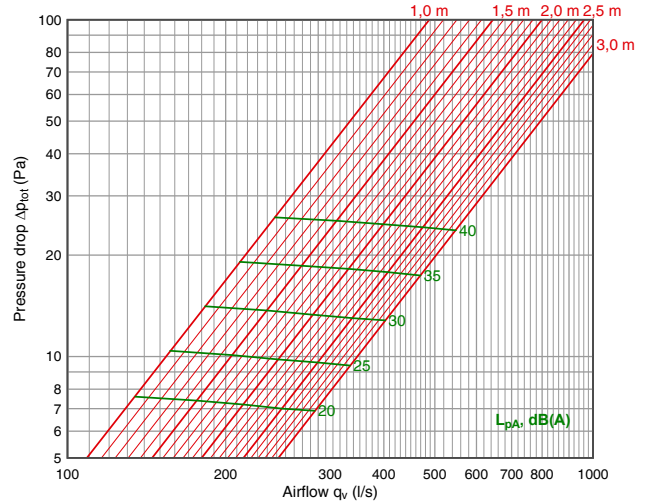
Supply air: SP3+"Turbo Grip"



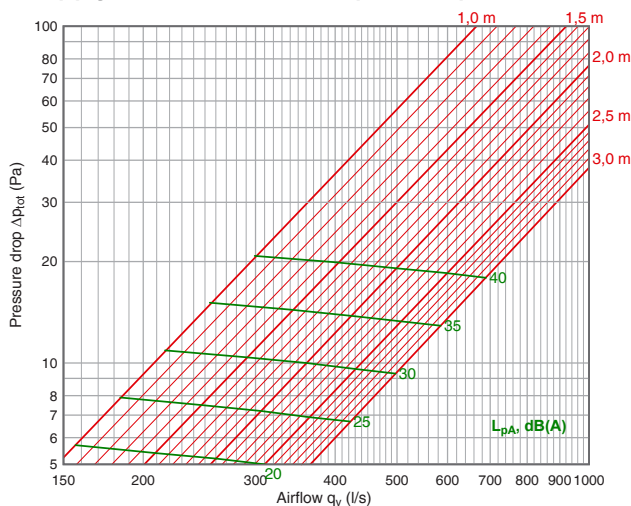
Supply air: SP1+"Turbo Grip"+side panels



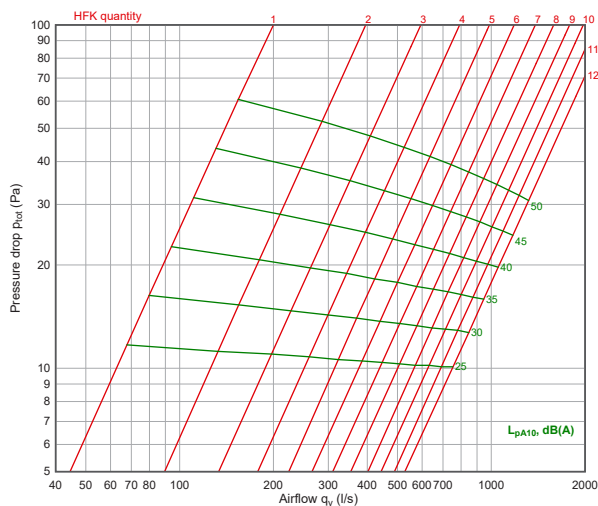
Supply air: SP2+"Turbo Grip"+side panels



Supply air: SP3+"Turbo Grip"+side panels



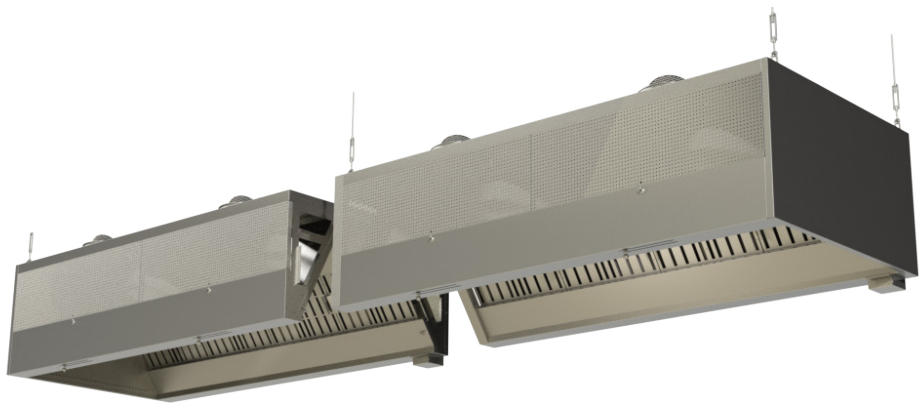
HFK -grease filter



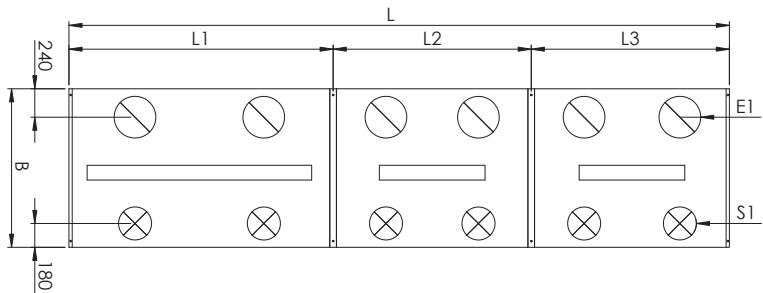
Acoustic data

Correction of sound level K_{okt} (dB)								
	(Hz)							
Supply air	63	125	250	500	1000	2000	4000	8000
"Turbo Grip"	-6	-8	-5	-3	0	-1	-7	-20
SPx1 + "Turbo Grip"	-1	0	3	2	-1	-3	-11	-23
SPx2 + "Turbo Grip"	0	1	5	4	-1	-8	-20	-27
SPx3 + "Turbo Grip"	7	5	6	4	-2	-13	-21	-30
SPx1+"Turbo Grip"+side panels	-1	-1	2	2	0	-5	-15	-28
SPx2+"Turbo Grip"+side panels	3	1	5	4	-1	-9	-21	-27
SPx3+"Turbo Grip"+side panels	8	5	6	4	-3	-13	-22	-30
	± 4 dB	± 4 dB	± 4 dB	± 2 dB	± 2 dB	± 2 dB	± 2 dB	± 2 dB

Canopy lengthening with modular sections



Preferred length dimensions are 1000, 1500, 2000 mm



Product marking

Marking - Dimensions - Supply air - Exhaust air - Front panel - Grease filters - Lighting

Marking

EER - 1 module in width
EER-2 - 2 modules in width
EER-3 - 3 modules in width

Dimensions

L - Length
B - Width
H - Height

Supply air

S1 - Supply air chamber on one side
S2 - Supply air chambers on two sides
Diameter of supply air connection
Quantity of supply air connections

Exhaust air

E1 - One exhaust air chamber
E2 - Two exhaust air chambers
E3 - HFKV exhaust air module
E4 - HFK filters in dual row
Diameter of exhaust air connection
Quantity of exhaust air connections

Front panel

SPx0 - No Perforation, only "Turbo Grip" supply air curtain system
SPx1 - Perforation pattern 1 - (per L=1000mm) 130 l/s, 40 Pa, 40 dB(A)
SPx2 - Perforation pattern 2 - (per L=1000mm) 190 l/s, 37 Pa, 40 dB(A)
SPx3 - Perforation pattern 3 - (per L=1000mm) 250 l/s, 25 Pa, 40 dB(A)
SPxK - Perforation pattern on L/R side panels - (SPxKL, SPxKR, SPxKLR)
SPxF - No Perforation, fixed surface without access lock

Grease filters

HFK
Grease filter quantity

Lighting

LED770 - L=769, 20W
LED1370 - L=1369, 37W
LED1670 - L=1669, 53W
Quantity of lighting fixtures

Example: EER-2 3500x2400x550 - S1=250x8 - E1=315x4 - SPx3 - HFKx12 - LED1370x4

Blind plates: Blind plates are blank panels used to replace filters in cases of low air volumes. By using blind plates the canopy system can maintain sufficient pressure and air velocity for proper filter operation.

Masking plates:

Mounted in the area between canopy and ceiling, when conduits and other components are to be concealed.