NORDcanopy

HN Exhaust Canopy (Small Dishwasher)

- Solutions for dishwashing areas
- Replacement room air provided through front panel
- "AirGrip" air intake system
- Energy efficient LED lights
- HACCP certified

ETS NORD

General

The NORDcanopy product portfolio consists of canopies and related air treatment products for use in commercial and industrial kitchen ventilation to create a comfortable and hygienic work environment.

Our products combine stylish design with highly effective grease, steam, heat and odor removal performance for your project.

We at ETS Nord know that no projects are exactly alike. We have designed our canopies to be modular, so we can custom design and manufacture a NORDcanopy solution to meet your each and every project requirement or technical need.

NORDcanopy products are manufactured from stainless steel according to standards EVS-EN 10088- 2:2024, EN 1.4301 or AISI 304 (AISI 304, surface 2K).

HACCP International certifies the equipment as food-safe and suitable for use in food facilities that operate in accordance with a HACCP based Food Safety Programme.

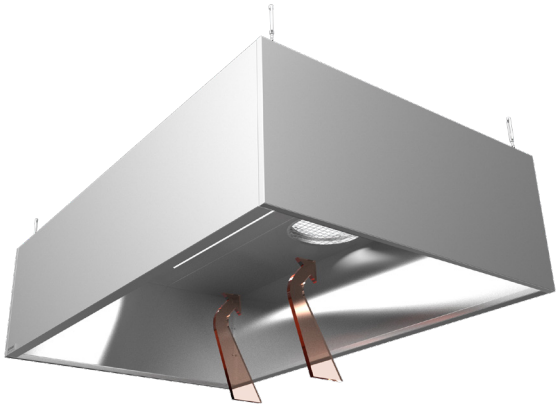
HN Exhaust Canopy (Small Dishwasher)

MagiCAD

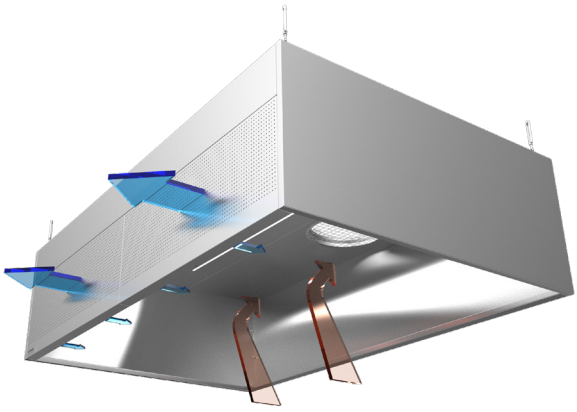
AUTODESK REVIT

The HN canopy ensures a clean, hygienic and comfortable work environment by removing pollutants and excess heat from your commercial or industrial operations. HN is ideal for small dishwasher applications and is with or without integrated supply air.

Function



HN without supply air

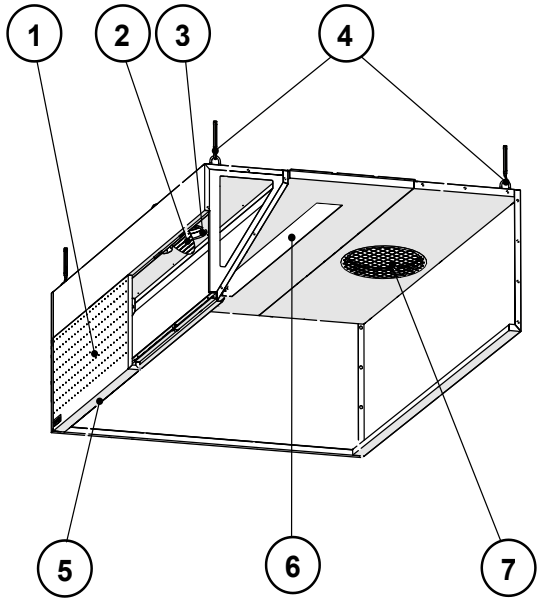


HN with supply air

Supply Air Specifications (When Applicable)

	Perforation pattern		
	SP×1	SP×2	SP×3
Supply airflow (with "AirGrip" air nozzle system) per linear meter of panel, l/s	10-61 Pa 71-175 l/s	10-40 Pa 110-220 l/s	10-28 Pa 165-275 l/s

Construction



1 – Front panel
2 – Supply air regulating plate
3 – Supply air connection
4 – Suspension points
5 – Front panel lock
6 – Lighting
7 – Exhaust air connection

- The canopy is made from stainless steel (AISI 304, surface 2K).
- Duct connections are equipped with rubber gaskets.
- Supply air chambers are heat insulated to prevent condensation of steam on the inner surface of the canopy.
- Easy-to-clean surfaces.
- Access to the chamber to enable cleaning of the supply pipes is ensured through the easy-to-remove front panel of the canopy. Exhaust pipes can be connected and insulated via the removable ceiling panel.
- A sectioned canopy is supplied without partition walls.
- Adjustable suspension hardware is included.

Lighting

Professional kitchens require functional lighting to ensure that employees have a safe and effective work environment.

ETS NORD professional kitchen canopies use the next generation of energy-efficient LED luminaries, which can save as much as 50% more energy compared to old technologies.

Canopies include LED luminaries integrated into their ceilings, protected by an aluminum and plastic glass casing. 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.

LED luminaries have two color temperature options - colder 4000K and warmer 3000K. It is also possible to choose between regular LED and DALI2 luminaries.

LED luminaries (standard), IP66

Canopy section length (mm)	Luminaries	Lighting length (mm)	Energy use (W)	Color temperature (K)	Color rendering index (Ra)	Flux (lm)
1000 ≤ L ≤ 1500	LED-4000-600	600	17	4000	>90	2907
1000 ≤ L ≤ 1500	LED-3000-600	600	17	3000	>90	2867
1600 ≤ L ≤ 2900	LED-4000-1200	1200	34	4000	>90	5814
1600 ≤ L ≤ 2900	LED-3000-1200	1200	34	3000	>90	5771

DALI2 LED luminaries, IP66

Canopy section length (mm)	Luminaries	Lighting length (mm)	Energy use (W)	Color temperature (K)	Color rendering index (Ra)	Flux (lm)
1000 ≤ L ≤ 1500	DALI2-4000-600	600	17	4000	>90	2907
1000 ≤ L ≤ 1500	DALI2-3000-600	600	17	3000	>90	2867
1600 ≤ L ≤ 2900	DALI2-4000-1200	1200	34	4000	>90	5814
1600 ≤ L ≤ 2900	DALI2-3000-1200	1200	34	3000	>90	5771

Spot LED lighting fixtures, IP65

Light colour: 4000K (colder), 3000K (warmer)
Housing material: Aluminium
Color Rendering Index: > 90 (Ra)

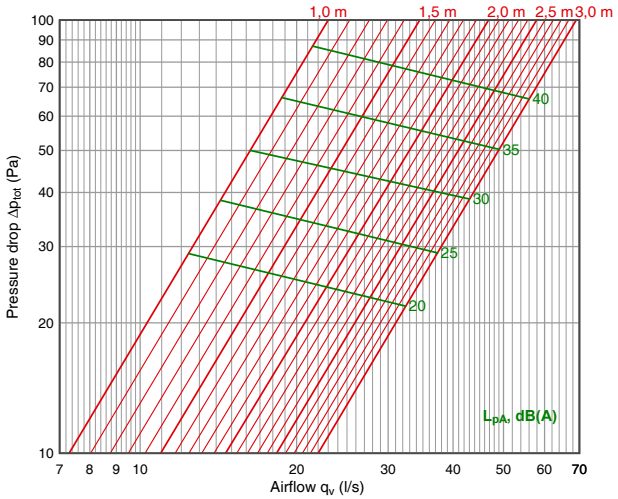
Canopy length (mm)	Spot LED quantity	Energy use (W)	Flux (lm)** 4000K (DW)	Flux (lm)** 3000K (WW)	Radiation angle
1000 ≤ L ≤ 1500	2	20	1678	1432	40°
1600 ≤ L ≤ 1900	3	30	2517	2148	40°
2000 ≤ L ≤ 2500	4	40	3356	2864	40°
2600 ≤ L ≤ 2900*	5	50	4195	3580	40°

*In sectional canopies the amount of SpotLEDs may differ.
**Light color can be changed from a switch under the light cover.

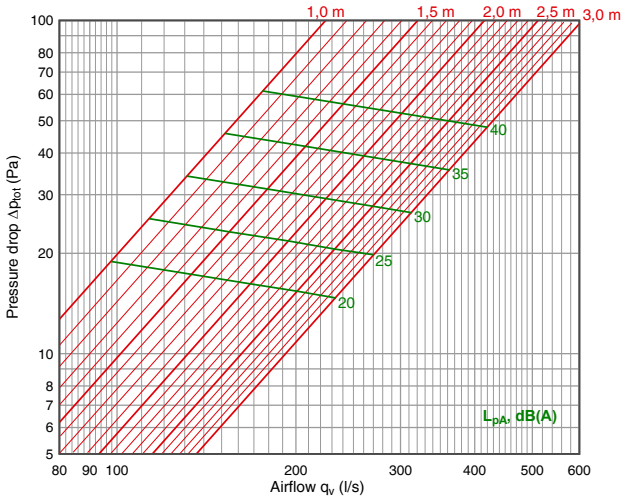
Technical Data

The supply panels always contain the "AirGrip" air capture system.

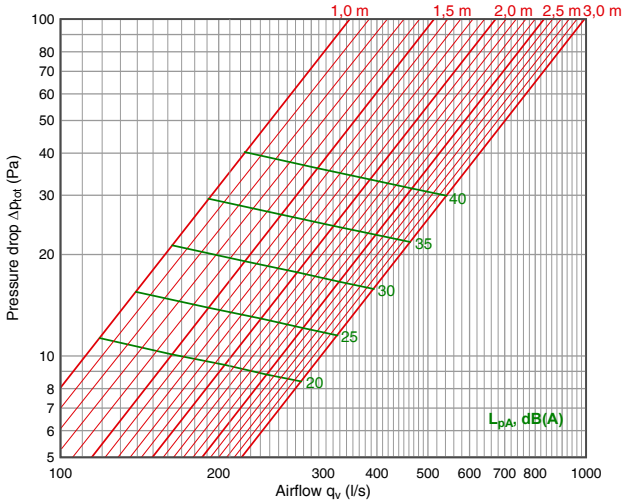
Supply air: "AirGrip"



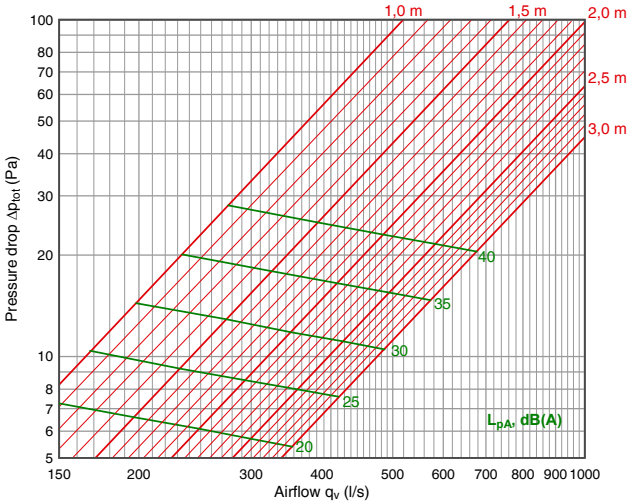
Supply air: SP×1



Supply air: SP×2



Supply air: SP×3

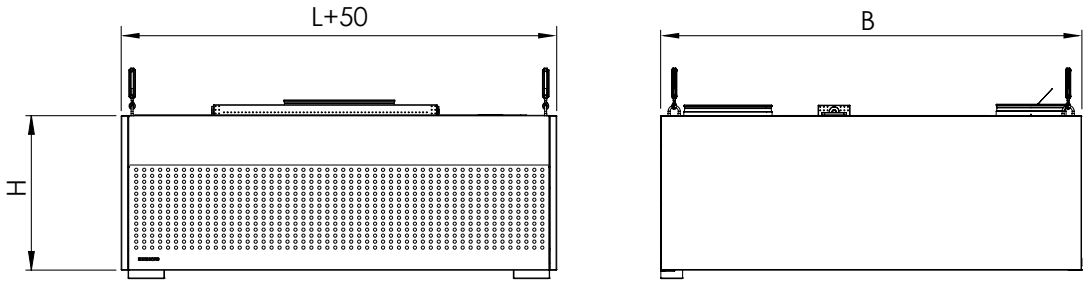


Acoustic Data

Supply air	Correction of sound level K_{okt} (dB) (Hz)							
	63	125	250	500	1000	2000	4000	8000
"AirGrip"	-6	-8	-5	-3	0	-1	-7	-20
SP×1	-1	0	3	2	-1	-3	-11	-23
SP×2	0	1	5	4	-1	-8	-20	-27
SP×3	7	5	6	4	-2	-13	-21	-30
	± 4 dB	± 4 dB	± 4 dB	± 2 dB	± 2 dB	± 2 dB	± 2 dB	± 2 dB

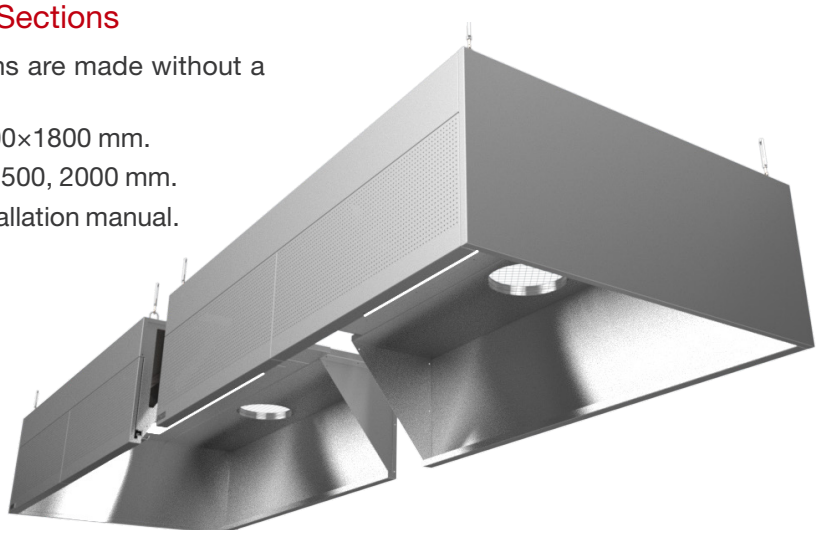
Dimensions

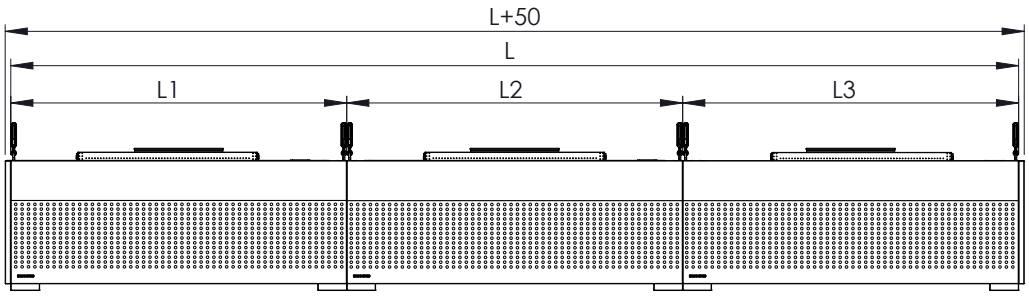
HN dimensions, mm	
L Length	600, 700, ..., 2400, 2900
B Width	500, 600, ..., 1900, 2000
H Height	400, 550



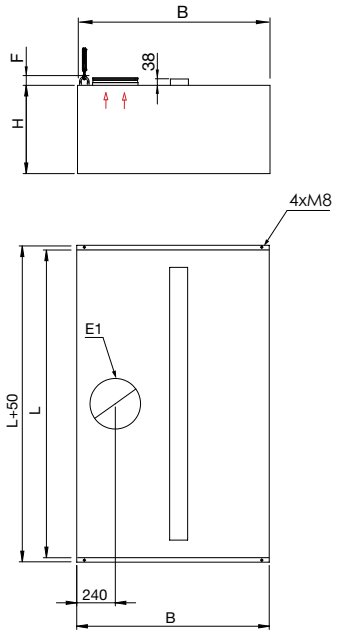
Canopy Lengthening with Modular Sections

- Canopies consisting of several sections are made without a partition wall.
- The maximum size of one section is 2900×1800 mm.
- Preferred length dimensions are 1000, 1500, 2000 mm.
- For connecting the sections see the installation manual.



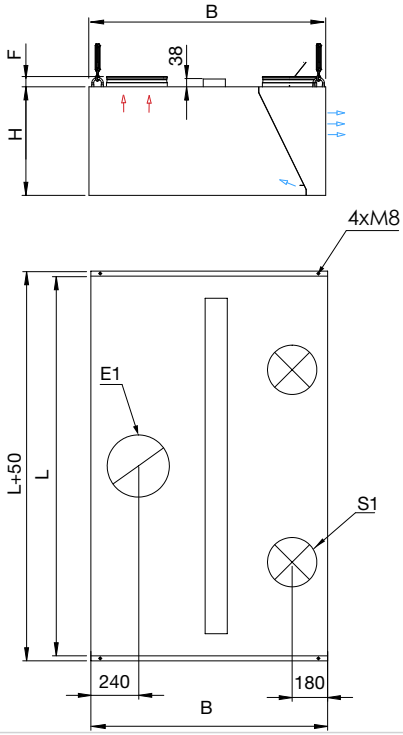


HN canopy, without supply air



Section dimensions, mm	
L Length	600, 700, ..., 2800, 2900
B Width	500 (no lighting) 600, 700, ..., 1900, 2000
H Height	400, 550
E1, Ød	200 (F=40), 250 (F=43), 315 (F=43)

HN canopy, with supply air



Section dimensions, mm	
L Length	1000, 1100, ..., 2800, 2900
B Width	900, 1000, ..., 1900, 2000
H Height	400, 550
S1, Ød	160 (F=40), 200 (F=40), 250 (F=43)
E1, Ød	200 (F=40), 250 (F=43), 315 (F=43)

Product Marking

HN - aSAP - LxBxH - S1=dxn - E1=dxn - SPx0 - XXXxn - RAL 9005

Marking
HN - Exhaust canopy

aSAP
aSAP - a Self Assembly Package

Dimensions
L - Length
B - Width
H - Height

Supply air
S1 - Supply air chamber on one side
Ød - Diameter of supply air connection
n - Quantity of supply air connections

Exhaust air
E1 - One exhaust air chamber
Ød - Diameter of exhaust air connection
n - Quantity of exhaust air connections

Front panel
SPx0 - No Perforation, only "AirGrip" 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)

Lighting
LED-4000-600 - L=600, 17W, 4000K
LED-3000-600 - L=600, 17W, 3000K
LED-4000-1200 - L=1200, 34W, 4000K
LED-3000-1200 - L=1200, 34W, 3000K
DALI2-4000-600 - L=600, 17W, 4000K
DALI2-3000-600 - L=600, 17W, 3000K
DALI2-4000-1200 - L=1200, 34W, 4000K
DALI2-3000-1200 - L=1200, 34W, 3000K
SpotLED-3000 - 10W, 3000K
SpotLED-4000 - 10W, 4000K
n - Quantity of lighting fixtures

RAL Colour
RAL colour, when coated

Example: **HN - 2000x1000x550 - S1=200x3 - E1=315x1 - SPx1 - LED-4000-600x1**
HN - aSAP - 2000x1000x550 - E1=315x1 - SPx1 - LED-4000-1200x1 - RAL9005

Accessories

CP Cover plates

Cover plates are made of stainless steel (AISI 304, surface 2K).

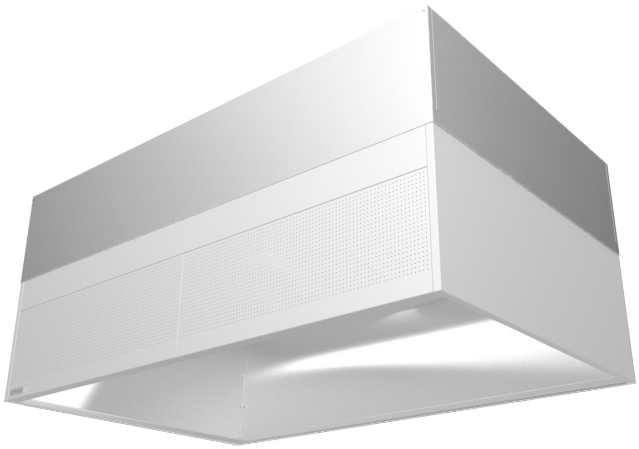
Cover plates are mounted in the area between the canopy and ceiling, when conduits and other components are to be concealed.

CP-F – Front plate

CP-B – Back plate

CP-L – Left plate

CP-R – Right plate



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Let's move the air ***together!***