

Kitchen canopy selection

Kitchen canopy selection depends mostly on the type of kitchen devices, possible external dimensions and air volumes.

If the canopy is installed on 2100 mm from the finished floor level, it should have an overhang distance of 300-400 mm reaching over the edges of all heat emitting devices. To ensure elimination of the entire steam volume released while opening any oven doors, canopies should always reach over the ovens in the length of its (open) door.

To calculate exhaust air volume, it is recommended to use Thermal Convection Method in our KITCHENiQ canopy selection program. When insufficient amount of information is available, an alternative Appliance Power Input Method can be used.



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Product configuration Project name: Info Project information Units Back to login page English

Canopy type
Grease canopy ⓘ

Installation type
Wall installation ⓘ

Air distribution
Exhaust air on the ⓘ

Cleaning system
No ⓘ

Material
Stainless steel (R) ⓘ

Lighting
LED 4000K ⓘ

Module selection
Auto ⓘ

Connection shape
Circular

Only exhaust chamber

Use RAL color

Define dimensions

By canopy By canopy (custom sizes) By device group

aSAP ⓘ

Canopy length (mm) 1000

Canopy width (mm) 1000

Canopy height (mm) 550 ⓘ

Cover plates
 Left side Right side

Front side Back side ⓘ

Cover plate height (mm)
100 ⓘ

Set airflow by kitchen equipment type Set airflow manually

Appliance Power Input Method Thermal Convection Method

Calculation as per DW172 (2018)

| Device | Comments | Device type | Canopy factor | Width (mm) | Length (mm) | Flow (l/s) |
|--------|----------|-----------------|-----------------------|------------|-------------|------------|
| Fryer | | Electric (0.45) | Open both ends (1.25) | 0 | 0 | 0 |

+

Extra exhaust air (l/s)

Total flow: 0 l/s

Calculate canopy

From the plus sign, you can add as many heat emitting devices as necessary, then fill in the mandatory cells for each device:

- From the “device” selection the most fitting equipment has to be selected
- Under the “device type” either electric or gas can be chosen (there is also “other”, for charcoal grills)
- Under “canopy factor” it can be chosen whether the canopy will be installed between walls or not
- Under “width” and “length” goes device’s heat emitting area dimensions (from top view).

Example calculation

Airflow dimensioning



Appliance Power Input Method **Thermal Convection Method**

Calculation as per DW172 (2018)

| Device | Comments | Device type | Canopy factor | Width (mm) | Length (mm) | Flow (l/s) |
|------------------|------------|-------------|-----------------------|------------|-------------|------------|
| Fryer | Position 3 | Electric | (0.45) Open both ends | 300 | 500 | 85 |
| Combination oven | Position 4 | Electric | (0.32) Open both ends | 750 | 750 | 225 |
| Charcoal grill | Position 5 | Electric | (0.52) Open both ends | 600 | 600 | 235 |



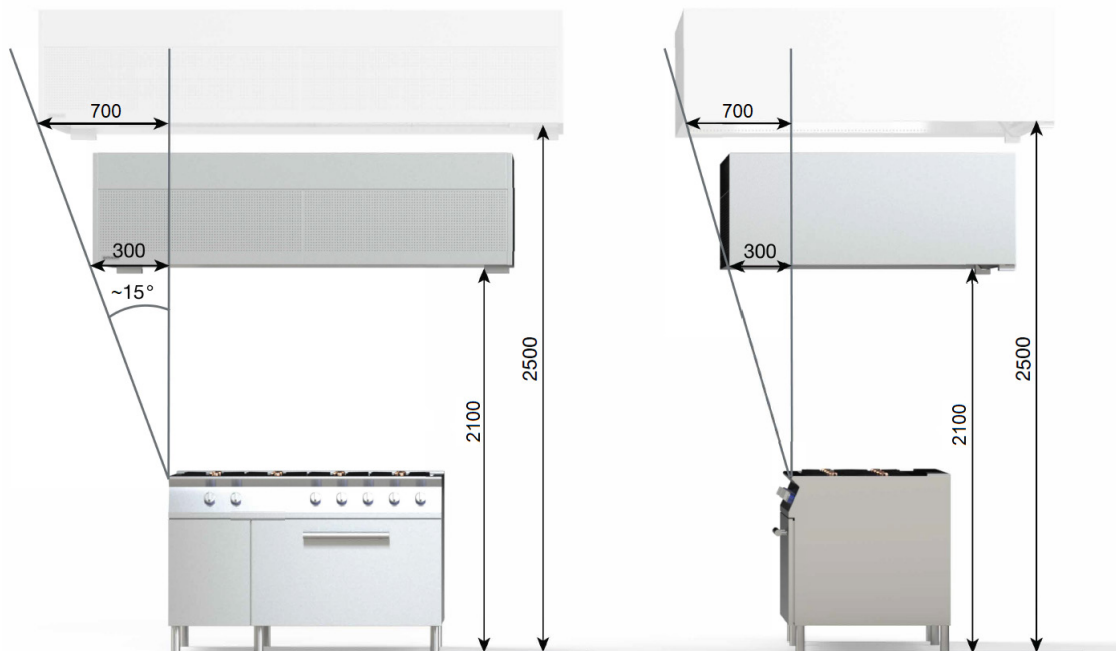
Extra exhaust air (l/s)

Total flow: 545 l/s

Calculate canopy

Canopy installation

For overhead island and wall canopies, the bottom front edge height from finished floor level (FFL) is recommended to be at 2100 mm. The height can be up to 2500 mm, but it has to be kept in mind, that with every 100 mm height increase the overhang from each side also has to increase 100 mm.



More information from the KITCHENIQ dimensioning program: <https://etsnord.magicad.cloud/>