

Flexible cleanroom cabins

LAMINO Cabin



Description

Cleanroom cabins are necessary if fine particulate ambient air negatively affects and impairs the production. They effectively remove dust particles and allow for work under constantly clean conditions. For this purpose, the air is purified by two filter stages and is guided into a precisely limited work area.

Innovative solutions for complex requirements

Free-standing units or suspended units, possible doors or sliding slats – your individual needs are matched with the technical possibilities already during the design phase.

From a pure design contract to a complex system adaptation, from computer-assisted presentation with 3D models to timely commissioning of customised equipment – our specialists are available to you with expert advice.

LAMINO Cabin can be used for numerous applications in various industries, such as in microelectronics, semiconductor, automotive, optics, pharmaceuticals/medicine, food, aerospace, and research.

Customised solutions

In addition to proven standard products, ASYS Cleanroom Technology supplies individual customer-specific solutions customised to meet any requirement.

The air quality meets

_ ISO 5 / ISO 6 / ISO 7 acc. to DIN ISO 14644-1

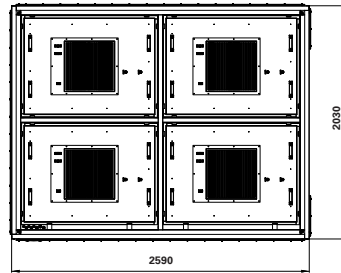
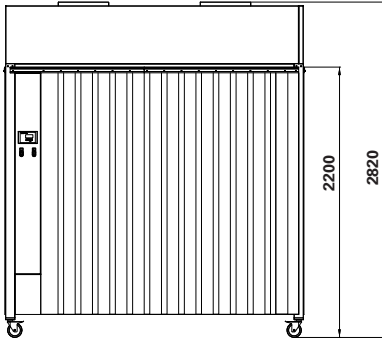
Equipment

- _ ESD version
- _ Individual control of air velocity
- _ Continuous filter monitoring
- _ Energy-saving night setback

Options

- _ Illumination in different versions
- _ Several media connectors in the control column (f.e. electrical, nitrogen, compressed air, LAN)
- _ Ionisation units
- _ Mobile version
- _ GMP version
- _ Individual entry options
- _ Future extensions of cleanroom space possible at any time

DATASHEET



LAMINO Cabin

Type label	Typ 26-14-V	Typ 26-26-V	Typ 38-26-V
External dimensions in mm (WxHxD) ^{a)}	2590 x 2820 ^{c)} x 1355	2590 x 2820 ^{c)} x 2590	2590 x 2820 ^{c)} x 3785
Air flow at 0.45 m/s	4660 m ³ /h (1160 m ³ /h) ^{b)}	9320 m ³ /h (2330 m ³ /h) ^{b)}	13980 m ³ /h (4660 m ³ /h) ^{b)}
Power consumption (max.)	1400 W (700 W) ^{b)}	2800 W (700 W) ^{b)}	4200 W (1400 W) ^{b)}
Current consumption (max.)	6,1 A (3,1 A) ^{b)}	12,2 A (3,1 A) ^{b)}	20 A (3,6 A) ^{b)}
Electrical connection	230 V, 50 Hz, 1-phase	230 V, 50 Hz, 1-phase	(400 V, 50 Hz, 3-phase) 230 V, 50 Hz, 1-phase ^{b)}
Weight (approx.)	280 kg (210 kg) ^{b)}	450 kg (260 kg) ^{b)}	600 kg (350 kg) ^{b)}
Cleanliness classes	ISO 5 / ISO 6 / ISO 7 in accordance with DIN ISO 14644-1		
Flow type	Laminar flow / turbulent mixed flow		
Pre-filter	Filter class G4		
Fine filter	HEPA class H14		
Fan	High-performance EC centrifugal fan		
Noise	52 dB(A)		
Control	Multi-function display		
Base	Aluminium system profiles		
Work area delineation	Transparent PVC slat blinds		

a) Individual dimensions on request
b) With cleanroom class ISO 6
c) Depending on the interior height