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Horizontal Laminar Flow Cabinet

LHAC-A1 Series

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Horizontal Laminar Flow Cabinet LHAC-A1 Series

LHAC-A10

Horizontal Laminar Flow Cabinet LHAC-A10 is one sided work bench device, operator can sit side by side. It offers 750 mm work surface height and maximum opening up to 430 mm. Device is designed with 01 unit each of LED lamp and UV lamp. The particle-free working environment by taking air through filtration system and exhausting it across a work surface in a unidirectional air stream. It is enclosed on the sides and kept under constant positive pressure in order to prevent the infiltration of contaminated room air. The device is design with an internal dimension of 1200 × 500 × 570 mm where as its external dimension is 1300 × 820 × 2040 mm.

LHAC-A11

Horizontal Laminar Flow Cabinet LHAC-A11 is one sided work bench device, operator can sit side by side. It offers 750 mm work surface height and maximum opening up to 430 mm. Device is designed with 01 unit each of water tap and UV lamp, and 2 units of LED lamp. The particle-free working environment by taking air through filtration system and exhausting it across a work surface in a unidirectional air stream. It is enclosed on the sides and kept under constant positive pressure in order to prevent the infiltration of contaminated room air. The device is design with an internal dimension of 1700 × 500 × 570 mm where as its external dimension is 1800 × 820 × 2070 mm.

Features :

- ❑ LCD display with microprocessor control system
- ❑ One sided work bench device, operator can sit side by side
- ❑ Designed with water tap (LHAC-A11)
- ❑ Located 2 water proof sockets in side panel, for optimum convenience of using small devices inside the cabinet
- ❑ Universal caster with leveling feet

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- ❑ Designed with gas tap and transparent side glass for windows maximum light and visibility inside the cabinet
- ❑ Main body of the device is built of cold-rolled steel with anti-bacterial powder coating that prevents the infection and good performance
- ❑ Working table is coated with stainless steel to prevent from corrosion
- ❑ UV lamp with emission of 253.7 nanometer is used for most efficient decontamination
- ❑ HEPA filter shows 99.999 % efficiency at 0.3 μm
- ❑ 5 mm touchened glass, anti UV Side and front window

Application :

Horizontal Laminar Flow Cabinet is widely used in medical research laboratories, hospitals, manufacturing facilities and other research and production environment.

Specifications:

Model	LHAC-A10	LHAC-A11
External dimension	1300 × 820 × 2040 mm	1800 × 820 × 2070 mm
Internal dimension	1200 × 500 × 570 mm	1700 × 500 × 570 mm
Work surface height	750 mm	
Display	LCD	
Airflow velocity	Average of 0.3 to 0.5 m/s	
Material main body	Cold rolled steel with anti- bacteria power coating	
Material work table	304 stainless steel	
Side and Front windows	5 mm touchened glass, anti UV	
Pre- filter	Polyester fiber, washable	
HEPA Filter	99.999% efficiency at 0.3 μm	

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Noise	< 65 dB	
Front window	Motorized	
Max opening	430 mm	430 mm
Illuminating lamp	LED lamp 12 W × 1	LED lamp 16 W × 2
UV Lamp	30 W × 1 Emission of 253.7 nanometer	30 W × 1 Emission of 253.7 nanometer
Caster	Universal caster with levelling feet	
Waterproof socket	Two, total load ≤ 500 W	
Packing dimension	1450 × 1060 × 1650 mm	1950 × 1060 × 1600 mm
Power consumption	400 W	500 W
Power supply	AC 220V ±10%, 50/60 Hz, 110V±10%, 60Hz	
Gross weight	254 kg	328 kg

Standard Accessories:

LHAC-A10

Accessories no.	Name
1	LED lamp
2	UV lamp × 2
3	Base stand
4	Gas Tap
5	Waterproof socket × 2

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Accessories no.	Name
1	LED lamp × 2
2	UV lamp × 2
3	Base stand
4	Gas Tap
5	Waterproof socket × 2
6	Water tap