



Biological Safety Cabinet

Class II, Type A2

4 ft | 1.2 m | 218 kg

Optimum protection of personnel, product and environment Our Class II, Type A2 Biological Safety Cabinet offers a combination of cabinet design, airflow and filtration systems to protect personnel, the product and the environment from biological particulates. True laminar airflow with a constant

High Performance Airflow

The design regulates air velocity through HEPA filters and distributes the downflow air across the work surface to create a containment zone. The unit is designed to capture airborne contaminants before they can enter the work area.

Ergonomic Design & Ease of Use

inflow velocity prevents contamination.

The ergonomically sloped profile of the front cabinet places work in close proximity to the user. This improves comfort and minimises the stress of repetitive movements. Uniform interior lighting and a glare-resistant front window enhance visibility.

High Capacity Filtration

The front-access supply and exhaust HEPA filters are designed to capture particulates with 99.995% efficiency for 0.3 microns. A closed-cell peripheral gasket surrounds the filter housing to prevent particulate bypass and escape to the environment.



Total Protection

The specialised airflow system evenly disperses air over the supply and exhaust HEPA filters. This minimises vibration transfer and eliminates potential leaks.



Simplified Controls

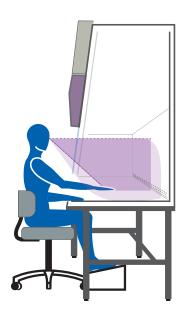
The microprocessor controller provides continuous supervision of all cabinet functions. Universal icon touchpad buttons simplify operation and control.



Low Cost of Ownership

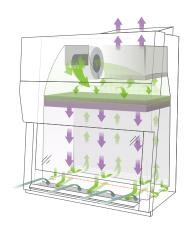
The supply air plenum design and electronically commutated motor, with automatic feedback control, work together to extend filter life.

Biological Safety Cabinet 4-foot Člass II, Type Á2



Design Features Optimise Workspace

An ergonomic arm rest in front of a recessed airfoil ensures operator safety and eliminates turbulent airflow at the cabinet's front opening. The recessed interior tray expands the work surface safe zone to bring work closer to the user. A spacious, frameless, sliding window (533mm high) extends the users field of vision. The cabinet base is adjustable to 673 mm or 826 mm for standard sitting or bench work, depending upon preference. The base stand offers plenty of knee-room in a seated position.



HEPA Filtered AIR

Airflow

The cabinet's high-efficiency motor and fan combination captures inflowing air, passes re-circulated air through the HEPA supply filter and distributes 30% of the air for safe, energy-efficient removal to the environment, via the HEPA exhaust filter.



PHC Europe B.V. Nijverheidsweg 120 | 4879 AZ Etten-Leur | Netherlands T: +31 (0) 76 543 3839 | F: +31 (0) 76 541 3732 www.phchd.com/eu/biomedical

External Dimensions (W × D × H) ³¹ mm 1362 x 799 x 1572 Internal Dimensions (W × D × H) ³³ mm 1178 x 554 x 724 Net Weight kg 218 Crated Shipping Weight ³¹ kg 248 Personal Protection EN 12469 Classification EN 12469 Classification Construction Style of Cabinet Cabinet Construction Cabinet Construction Cabinet Depth with Armrest Removed mm 799 Minimum Cabinet Height for Transport mm 1499 Work Access Opening Istandard height) mm 254 Standard Inflow Velocity ³¹ mm 1499 Work Access Opening Istandard height) mm 254 Standard Inflow Velocity ³¹ mm 254 Standard Inflow Velocity ³¹ mm 254 Prover Sucket Supply Filter 99.995% effective on 0.3 microns, neoprene gasket, type H14 Beach Supply Filt	Model Number		MHE-N400A2-PP 4 foot (1.2 m)
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Heat Rejected, vented BTU/hour 157 Electrical and Noise Level Power Supply V 230 Frequency Hz 50 +Amps: Blower/Lights 2.9 Amps: Outlet 3 Amps: Rated 10 Power Cord 3.7 m,14 gauge - 3 Wire, 15A Sound pressure level per ISO 4871 41 dB [A] not to exceed 56	Duct Static Pressure	mm H ₂ 0	1.27-2.54
Electrical and Noise Level Power Supply V 230 Frequency Hz 50 +Amps: Blower/Lights 2.9 Amps: Outlet 3 Amps: Rated 10 Power Cord 3.7 m,14 gauge - 3 Wire, 15A Sound pressure level per ISO 4871 4 dB [A] not to exceed 56	Heat Rejected, non-vented	BTU/hour	1140
Power Supply V 230 Frequency Hz 50 +Amps: Blower/Lights 2.9 Amps: Outlet 3 Amps: Rated 10 Power Cord 3.7 m,14 gauge - 3 Wire, 15A Sound pressure level per ISO 4871 41 dB (A) not to exeed 56	Heat Rejected, vented	BTU/hour	157
Frequency Hz 50 +Amps: Blower/Lights 2.9 Amps: Outlet 3 Amps: Rated 10 Power Cord 3.7 m,14 gauge - 3 Wire, 15A Sound pressure level per ISO 4871 4 dB [A] not to exceed 56	Electrical and Noise Level		
Frequency Hz 50 +Amps: Blower/Lights 2.9 Amps: Outlet 3 Amps: Rated 10 Power Cord 3.7 m,14 gauge - 3 Wire, 15A Sound pressure level per ISO 4871 4 dB [A] not to exceed 56	Power Supply	V	230
+Amps: Blower/Lights 2.9 Amps: Outlet 3 Amps: Rated 10 Power Cord 3.7 m,14 gauge - 3 Wire, 15A Sound pressure level per ISO 4871 4 dB [A] not to exceed 56	Frequency	Hz	50
Amps: Outlet 3 Amps: Rated 10 Power Cord 3.7 m,14 gauge - 3 Wire, 15A Sound pressure level per ISO 4871 41 dB (A) not to exceed 56			2.9
Amps: Rated 10 Power Cord 3.7 m,14 gauge - 3 Wire, 15A Sound pressure level per ISO 4871 4l dB [A] not to exceed 56			3
Power Cord 3.7 m,14 gauge - 3 Wire, 15A Sound pressure level per ISO 4871 4 dB [A] not to exceed 56			
Sound pressure level per ISO 4871 ⁴⁾ dB (A) not to exceed 56			
	Sound pressure level per ISO 4871 43	dB (A)	

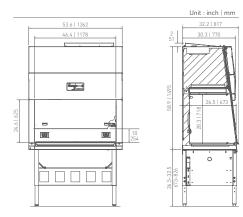
Appearance and specifications are subject to change without notice.

Adjustable Electrical Base Stand

3) Crated shipping weight does not include weight for accessories

4 Measurement performed per ISO 11201 in normal running mode

MHF-NACOO-134-PF



¹⁾ Depth is measured with armrest removed and takes into account the control panel. Height includes exhaust grill in the final measurement. ² Measured at 254 mm window height.