

PURCHASE SPECIFICATIONS FOR NUAIRE NU-608-400E Allergard™ Class I Animal Bedding Disposal Cabinet

The intent herein is to provide a concise statement of requirements for a quality LABGARD® Animal Bedding Disposal Cabinet, which may be used to augment your purchase request/order.

NuAire sales representatives will be pleased to explain the importance of the performance and control affected by each of the following requirements. The NuAire Allergard™ NU-608 meets all of the requirements in the following SPECIFICATION.

1. Dimensions Inches (mm)

Overall Dimensions (mm):	NU-608-400E
Width (W)	52-5/8" (1337)
Depth (D)	32-7/8" (833)
Height (H)	84-1/4" (2140) to 92-1/4" (2342)

Interior Dimensions (mm):

Width (W)	46-3/8" (1178)
Depth (D)	29-3/4" (756)
Height (H)	28-1/8" (715)

2. The NU-608 shall provide airflows & biological safety performance as specified.
 - a. The NU-608 shall provide personnel protection for the operator proven by an actual test, (e. g. Biological Personnel Protection) and routinely validated by NuAire.
 - b. The NU-608 airflow function shall be single pass taken from the room, through the work access opening, through the work zone into the prefilter, HEPA filter, through the Impeller, charcoal filter and back into the room.
 - c. Work access opening shall be 14 inches (356 mm).
Average inflow velocity shall nominally be 105 FPM (0.53 m/s).
 - d. Removable stainless steel airfoil provided on bottom of work access opening for optimal containment performance.
 - e. Large 6 inch (152mm) deep exhaust HEPA Filter shall be 99.99% at 0.3 micron.
 - f. Exhaust Prefilter shall be pleated type with MERV 8 rating or better.
 - g. Exhaust Charcoal filter shall be 20% fill for odor control.
- 3.* The work zone shall consist of all stainless steel construction. The hinged front viewing panel is clear ¼-inch (6 mm) polycarbonate. The viewing panel can be raised to provide the full 28-inch (711 mm) access to the work zone.
- 4.* Large stainless steel 10" (254 mm) square garbage chute with bang bar along with easy opening pneumatic lift for access to garbage bag.
- 5.* NU-608 shall come assembled to integral all stainless steel telescoping (settable in 2" (51 mm) increments) base with 4 inch (102mm) diameter casters.
6. Electrical power shall be supplied with a 10 foot (3 m), 3-wire cord lockable IEC C19 to Shuko molded plug. Electrical supply should be 230 VAC, 50/60 Hz (current rating varies per cabinet size, reference Electrical Requirements, Page 3) protected with thermal circuit breaker from distribution panel.

7. NU-608 shall utilize EC (Energy efficient) impeller mounted on the clean side of the HEPA filter.
- 8.* NU-608 shall contain Aeromax™ control system consisting of electronic modules that will perform the following functions.
 - Easy user interface via LED and function keys.
 - Control blower via solid state switch.
 - Control lights via solid state switch.
 - Hinged window alarm
 - Disable audible alarm switch with ring back function.
 - Control blower DC EC Impeller with solid-state DC motor controller that provides automatic compensation for line voltage variances.
 - Monitor and display airflow system performance via PresurFlow™ Pressure monitor.
- 9.* Cabinet shall contain the Aeromax™ control system that provides the following optional functional features (included with cabinet, but must be configured during certification):
 - Security password protection of cabinet use.
 - Cabinet usage sync functions with blower, LED light.
10. The NU-608 shall be easily transportable through a standard 36 inch (914mm) wide door without disassembly.
11. Sound level shall be no more than 62 dbA measured 15 inches (381mm) above the work surface and 12 inches (305mm) in front of viewing window.
12. LED lighting shall be externally mounted and provide 50 (538) to 150 (1600) foot-candles (LUX) on work surface.
13. NU-608 shall have front removable HEPA filter and work zone removable prefilter for safety and ease of service.
14. The following optional equipment shall be available to support installation and user requirements:
 - a. Adjustable height auto lift system

*Having all of these features is unique ONLY to NuAire cabinets.

**Allergard Class I Animal Bedding Disposal Cabinet
Model NU-608-400E**

Catalog Number	Model
	NU-608-400E Nominal 4 foot (1.2m)
Performance Specifications 1. Personal Protection	NSF/ANSI 49 EN 12469
NSF Std. No. 49 Class	Class I
Style of Cabinet	Console with integral base
Cabinet Construction	Stainless steel work zone panels and base with painted steel top blower module.
HEPA Filter Seal Type: Exhaust Filter-99.99% Eff. on 0.3 microns	Neoprene, Spring loaded
Fumigation per NIH/NSF Procedure	Yes
Cabinet Size Inches (mm): Height Depth Width	84-1/4 to 92-1/4 (2140 to 2342) 32-7/8 (833) 52-5/8 (1337)
Work Access Opening Inches (mm): Standard Opening Height/Optional Standard Inflow Velocity	14 (356) 105 FPM (0.53 m/s)
Work Zone Inches (mm): Height Depth Width	28-1/8 (715) 29-3/4 (756) 46-3/8 (1178)
Viewing window is ¼ in (6mm). clear polycarbonate	Closed: 14 (356) Open: 28 (711)
CFM @ 105 FPM	511 CFM (868 CMH)
Heat Rejected, BTU, Per Hour (non-vented)	1020
Electrical: Volts, AC 50/60 Hz Amps: Blower+ Amps: Lights Rated Amps: 10 ft. Power Cord (one)	CE 230 1.2 .1 5 14 GA - 3 Wire, 15A
Crated Shipping Weight: *** Net Weight	450 lbs. / 204 kg. 400 lbs. / 181 kg.

+ Based on cabinet with new filters running at 230VAC

***Crated shipping weight does not include weight for accessories or options.