



PURCHASE SPECIFICATIONS : NuAire Model NU-620E AllerGard™ ES Energy Saver Containment Small Animal Transfer Station

General

The NuAire AllerGard™ ES Energy Saver Containment Small Animal Transfer Station Model NU-620E is a unique configuration offers the benefits of vertical HEPA filtered airflow for product protection on the worksurface. In addition, the NU-620E provides improved allergen personnel protection by incorporating a HEPA filtered down draft vacuum on the worksurface to assure minimal exposure to animal hair/dander as well as cage bedding material. **However the NuAire Model NU-620E should not be used as a substitute for a Class II, Type A2 Biosafety Cabinet. The NU-620E is not a containment device for airborne particulate in low to moderate risk-hazard research** as prescribed by the CDC/NIH Biosafety in Microbiological and Biomedical Laboratories.

1. Dimensions:

Overall Dimensions – Inches (mm):	NU-620-300 NU-621-300	NU-620-400 NU-621-400	NU-620-500 NU-621-500
* Width:	42 (1067)	48 (1219)	60 (1524)
Depth:	30 5/8 (777)	30 5/8 (777)	30 5/8 (777)
**Height:	80 ½ (2045)	80 ½ (2045)	80 ½ (2045)
Worktray Dimensions:			
Width:	36-5/8 (930)	42-5/8 (1083)	54-5/8 (1387)
Depth:	28-1/4 (718)	28-1/4 (718)	28-1/4 (718)
Worksurface Height: 4 Inch Castors:	35-1/2 (902) to 47-1/2 (1207)		

- Station shall be constructed of cold rolled steel and aluminum (excluding stainless steel worksurface area) coated with tough corrosive-resistant powder coat enamel finish. Supply module shall be supported by two aluminum uprights located at the midpoint of the side allowing for maximum technician access to the worksurface.
- The station shall have 6” (152mm) minimum of knee space providing the station user the ability to sit.
- Hinged windows shall be scratch resistant polycarbonate, 14” (356mm) access height for maximum access to the worksurface.
- Station shall have an adjustable hydraulic lift system with standard automatic electric lift to provide for a 12” (305mm) worksurface adjustment range.
- Castors shall be stainless steel 4” (102mm) diameter polyurethane wheels with brakes
- Worksurface shall be stainless steel, type 304, 16 ga. (0.060) with easy lift handles and tilt-up holding rods for access to exhaust prefilter and cleaning. Down draft plenum under worksurface shall be stainless steel type 304, 16 ga. (0.060) with a 1 ½” x 4” (38mm x 102mm) waste chute.

8. Supply and exhaust HEPA filters shall be 99.99% efficient at 0.3 microns. The supply HEPA filter downflow pattern is uniform and velocity is adjustable between 55-65 feet per minute (.28-.33m/s) providing ISO class 4 at rest measured at 0.5 micron particles per cu.ft./min
9. The station shall use an EC Impeller and a DC ECM Motor with an optimally determined forward-curved fan for each model size/width to maximize both energy efficiency and filter loading capacity.
10. The station shall have two internal electrical circuits; one for blower/lights and one for the duplex outlets. Each circuit shall be protected with a fuse located in the Control Center on the electronic module.
11. The station shall be CE compliant to meet the requirements for electrical/mechanical integrity.
12. Station shall contain the Aeromax™ control system consisting of an electronic module that will perform the following functions:
 - Easy user interface via LED's and function keys
 - Control blower via solid state switch.
 - Control lights via solid state switch.
 - Control outlets via solid state switch.
 - Disable audible alarm switch with ring back function.
 - Control blower DC ECM motor with solid-state DC Motor Controller that provides automatic compensation for line voltage variances.
 - Monitor and display airflow system performance via PresurFlow™ monitor.
13. Supply prefilter shall be washable or disposable.
14. Exhaust primary prefilter under the worksurface shall be washable or disposable.
15. Blowers capable of automatically handling a 60% minimum increase in filter loading without a decrease in total air delivery of more than 10%. Provide a voltage compensating motor speed controller that automatically compensates for voltage changes to maintain constant voltage to motor. Speed controller will permit manual adjustment to handle a 150% increase in filter loading and maintain total air delivery at or above 90%.
16. Lighting provided shall use energy efficient (T8) LED lamps.
17. Unit to carry a three (3) year warranty.

AllerGard™ ES Energy Saver
Containment Small Animal Transfer Station
Models
NU-620-300E/400E/500E
NU-621-300E/400E/500E

Catalog Number	Catalog Number		
	NU-620-300E NU-621-300E Nominal 3 foot (0.9m)	NU-620-400E NU-621-400E Nominal 4 foot (1.2m)	NU-620-500E NU-621-500E Nominal 5 foot (1.5m)
Performance Specifications NU-620-XXX Product / Personnel NU-621-XXX Product / Personnel	ISO 4 / Improved Allergen ISO 4 / NSF/ANSI 49	ISO 4 / Improved Allergen ISO 4 / NSF/ANSI 49	ISO 4 / Improved Allergen ISO 4 / NSF/ANSI 49
Diffuser for Air Supply (Metal)	Non-flammable	Non-flammable	Non-flammable
Supply Filter-99.99% Eff. on 0.3 microns Exhaust Filter-99.99% Eff. on 0.3 microns	Neoprene, Spring-loaded	Neoprene, Spring-loaded	Neoprene, Spring-loaded
Fumigation : per NIH/NSF Procedures	Yes	Yes	Yes
Standard Services: Duplex Outlet	One Sidewall	One Sidewall	One Sidewall
Optional Services: Folding Shelf (Either Side)	14 (355) X 30 (762)	14 (355) X 30 (762)	14 (355) X 30 (762)
Cabinet Size Inches (mm): Height (Fully Assembled, minimum) Height (Fully Assembled, maximum) Height (Minimum for Transport without Castors) Width (with handles) Depth	80 ½ (2045) 92 ½ (2350) 75 (1905) 48 (1220) 30 5/8 (777)	80 ½ (2045) 92 ½ (2350) 75 (1905) 54 (1372) 30 5/8 (777)	80 ½ (2045) 92 ½ (2350) 75 (1905) 66 (1677) 30 5/8 (777)
Work Access Opening Inches (mm): Standard Opening Height	14 (356)	14 (356)	14 (356)
Work Zone Inches (mm): Height Width Depth	25 ½ (648) 36 5/8 (929) 28 ¼ (718)	25 ½ (648) 42 5/8 (1081) 28 ¼ (718)	25 ½ (648) 54 5/8 (1387) 28 ¼ (718)
Viewing Window Inches (mm):	Polycarbonate	Polycarbonate	Polycarbonate
Heat Rejected, BTU, Per Hour	785	785	785
Electrical: Volts, AC 50/60 Hz +Amps: Blower/Lights Amps: Duplex Rated Amps: 20 ft. (6.09 m) Power Cord	CE 230 3.0 3 8 Cord Reel-15A	CE 230 3.5 3 8 Cord Reel-15A	CE 230 4.0 3 8 Cord Reel-15A
Crated Shipping Weight:*** Net Weight	480 lbs. /218 kg. 430 lbs. /195 kg.	510 lbs. /231 kg. 460 lbs. /209 kg.	580 lbs. /263 kg. 530 lbs. /240 kg.

***Crated shipping weight does not include weight for accessories or options
+ Based on cabinet with new filters running at 230VAC.