

# PURCHASE SPECIFICATIONS FOR NUAIRE MODEL NU-612 ANIMAL TRANSFER STATION

## General

The NuAire Small Animal Cage Changing Station Model NU-612 is a cabinet whose unique configuration offers the benefits of vertical HEPA filtered airflow for product protection on the worksurface. In addition, the NU-612 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-612 should not be used as a substitute for a Class II, Type A2 Biological Safety Cabinet. The NU-612 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-612-400
Width:	48 (1219)
Depth:	30 (762)
Worksurface/Station Height:	33 (838) to 41 (1041)/80 (2032) to 88 (2235)

Worktray Dimensions:

Width:	42-5/8 (1083)
Depth:	26-5/8 (676)

- Unit construction 16ga. (0.060) cold rolled tubular frame and cold rolled steel panel construction (excluding stainless steel worksurface area) coated with tough corrosive-resistant powder coat enamel finish. Supply module shall be supported by two slender tubes located at the midpoint of the 30"(762mm) side allowing for maximum technician access to the worksurface.
- Hinged scratch resistant polycarbonate windows, one on each side leaving a large 14"(356mm) access area, again for maximum technician access to the worksurface.
- Adjustable hydraulic lift system with standard manual crank or optional automatic. The lift system will provide for an 8-inch (203mm) worksurface adjustment range.
- Stainless steel stem castors with 6-inch (152mm) diameter phelonic wheels, brakes on all four castors and stainless steel zerk fittings in axle and raceway.
- Worksurface will incorporate large working area split into quadrants. Each quadrant is bordered by vacuum slots to minimize cross-contamination between quadrants. 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 collection and stainless steel ball valve for draining liquids.
- Supply and exhaust HEPA filters are 99.99% efficient at 0.3 microns. Minihelic pressure gauges are provided (up to 2-inch (50mm) W.G.) to monitor filter loading.
- The supply and exhaust HEPA filter replacement is accomplished by loosening the filter frame from below the filter, removing the side access plate and pulling the filter out of the side of the cabinet. Installation of the new filters would be accomplished by reversing the above steps.
- Supply HEPA filter downflow pattern is uniform and velocity is adjustable between 50-100 feet per minute (.25 - .51 m/s)

11. Supply prefilter shall be standard fiberglass disposable.
12. Exhaust primary prefilter under the worksurface shall be a nylon mesh capable of being vacuumed with backup perforated stainless steel holder. A washable secondary prefilter located under the primary is provided to collect finer particles.
13. 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%.
14. Provide fluorescent light using energy efficient T8 lighting with electronic ballasts.
15. The control panel is a modular panel consisting of the blower switch, light switch and outlet. Front panel outlet is rated for 8 Amps and only active when blower switch is off. Additional accessory outlet rated for 2 Amps is provided at all times.
16. Unit to carry a three (3) year warranty.
17. Utility Requirements:
  - a. Elec. 1/60/115V/10 Amps
  - b. Power shall be supplied with a 30 ft. (9m) retractable power cord (molded 15 Amps conf.).
18. The unit shall be listed by UL to meet the requirements of UL3101-1 for both U.S. and Canada.
19. Unit heat rejected 1374 BTU's per hour.
20. Unit net weight 550 lbs./250 kg.  
Unit net crated weight 600 lbs./338kg.