The LabGard® Air model NU-543 is listed by NSF as a Class II, Type A2 Biological Safety Cabinet offering protection for Personnel, Product, and Environment. LabGard® Air can be either exhausted back into the room or connected to a facility HVAC system to minimize cross-contamination of low to moderate risk biologicals in the absence of volatile toxic chemicals.

**Performance Features:**
- 30% exhausted / 70% recirculated
- Dynamic air barrier of 105 fpm (0.53 m/s) inflow separating laboratory from work zone environment
- True Laminar Unidirectional Down-flow air of 60 fpm (0.30 m/s) for minimal cross contamination
- 300% Filter Load Capacity (±10 Year Average depending on laboratory environment)

Electronic Control System utilizes intelliflow, a digital thermistor airflow probe in the exhaust airflow to analyze, monitor and, control down-flow and inflow air.

Night setback mode is initiated by the window closure, will reduce motor / blower operational airflow to conserve energy while maintaining work zone sterility.

A recessed airfoil grill allows users to use the ergonomic armrest without blocking airflow compromising safety. A recessed work tray provides users greater flexibility when working with bottles or pipettes. A shorter reach into the work zone allows users to bring work closer without sacrificing safety. These are just some of the user focused ergonomic designs NuAire® incorporates into all our laboratory products.

**Performance Features:**
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- Dynamic air barrier of 105 fpm (0.53 m/s) inflow separating laboratory from work zone environment
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- 300% Filter Load Capacity (±10 Year Average depending on laboratory environment)

**Experience Ergonomics**
- 8” (203 mm) for lower operating cost
- 10” (254 mm) combing lower costs and improved ergonomics
- 12” (205 mm) for greater ergonomic reach by 40% *

* As compared to an 8” (203 mm) access opening.
NU-543 LabGard® Air Class II, Type A2 Biological Safety Cabinet

Efficiency Features:
• Ultra High Efficiency ECM Eon™ Motor
• Auto Filter Loading Compensation
• Motor Speed Controller
• Internal Exhaust Damper
• nitecare Night Setback

Superior Construction Features:
• Monolithic 16/18 Gauge, Type 304 Stainless Steel Welded Pressure Tight Construction (Silicone Free)
• Removable Control Center
• Removable Stainless Steel Coved Work Tray

Safety Features:
• Large HEPA Filters, 99.99% Efficiency Rating
• Airflow / Window Alarms with ring back function
• Security Password Protection
• HEPEX Zero Leak Airflow System
• Metal Diffuser over Supply HEPA Filter
• NSF/ANSI:49 and cUL Listed

Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Width Size (nominal)</th>
<th>Electrical* (all sizes)</th>
<th>Interior Dimensions (W x D x H) [mm]</th>
<th>Exterior Dimensions (W x D x H) [mm]</th>
<th>Net Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>NU-543-300</td>
<td>3 ft (0.9 m)</td>
<td>115 VAC / 60 Hz</td>
<td>34 1/4 x 25 1/4 x 28 1/4</td>
<td>41 1/4 x 31 1/4 x 61 1/4</td>
<td>400 lbs</td>
</tr>
<tr>
<td>NU-543-400</td>
<td>4 ft (1.2 m)</td>
<td>230 VAC / 50 Hz-60 Hz</td>
<td>46 1/4 x 25 1/4 x 28 1/4</td>
<td>53 1/4 x 31 1/4 x 61 1/4</td>
<td>465 lbs</td>
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<tr>
<td>NU-543-500</td>
<td>5 ft (1.5 m)</td>
<td></td>
<td>58 1/4 x 25 1/4 x 28 1/4</td>
<td>65 1/4 x 31 1/4 x 61 1/4</td>
<td>530 lbs</td>
</tr>
<tr>
<td>NU-543-600</td>
<td>6 ft (1.8 m)</td>
<td></td>
<td>70 1/4 x 25 1/4 x 28 1/4</td>
<td>77 1/4 x 31 1/4 x 61 1/4</td>
<td>620 lbs</td>
</tr>
</tbody>
</table>

Standard Features
Energy Saver (ES)DC/ECM Motor
Motor Speed Control
Internal Exhaust Damper
Monolithic Pressure Tight Design (Silicone Free)
HEPEX Zero Leak Airflow
Front Filter Removal
Permanent Plenum with Quick Release Supply Filter
Metal Frame Supply HEPA Filter 99.99% @ 0.3 Microns
Metal Frame Exhaust HEPA Filter 99.99% @ 0.3 Microns
10” (254 mm) Access Opening

Optional Features and Accessories
12” [305 mm] Access Opening (400, 500, 600 models only)
8” [203 mm] Access Opening
Stainless Steel Armrest
LED Lighting
Germicidal UV Light
Ground Fault Interrupter
Additional Duplex Outlet
IV Bar with Six Hooks
Base Support Stand
Base Storage Cabinet
Auto Lift Base Stand

Popular Accessories/Built-in Options
Telescoping Base Stand
Motorized Adjustable Base Stand
Prop-Up Removable Work Tray
Foam Armrest Pad
Elbow Rest
Ultra Violet Light

Visit www2.nuaire.com/06380 to make a request online or scan the code.

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