SAM MicroSound

Low Profile NCR Style

SAM MicroSound Fan Filter Units include a 99.99% efficient HEPA filter, prefilter, seismic suspension points, solid state variable speed control with RFI suppression and a safety switch.

Standard 2’ x 4’ models are designed to fit a nominal 2’ x 4’ ceiling grid with a 22.5” x 46.5” standard opening.

Housings are fabricated from steel with a white powdercoat finish.

The energy efficient motor blower is a low watt backward curved impeller, single phase, permanent split capacitor type motor blower assembly with thermal overload protection. Units are available in 115 Volt (60 Hz), 208-230 Volt (50/60 Hz) and 277 Volt (60 Hz).

HEPA or ULPA 99.9995% eff. @ 0.12 micron final filters are protected with a white epoxy diamond pattern grille and are tested according to accepted procedures as described by the Institute of Environmental Sciences (IEST) and or ISO standards.

Additional options and accessories are shown in the back of this section.

Consult with one of our cleanroom experts in your area, or call the factory for more information.
NCR Style Filter Data: Size: 23-5/8” x 23-5/8” x 3” with exposed anodized aluminum frame and diamond pattern white epoxy coated steel face screen. The HEPA Filter is designed for 90 FPM average face velocity @ initial 0.47 w.g. and has a rated efficiency of 99.99% @ 0.3 micron or larger.

Actual Size: 23-5/8” x 23-5/8” x 12-5/8”

Standard Equipment: Includes a N310 Low Watt motor, a prefilter and a solid state variable speed control with RFI Suppression. A safety switch is provided for all voltages as listed below.

Options: ULPA Filter, Power Cord, Duct Collar Adaptors. More options are shown in the back of this section.

NCR Style Filter Data: Size: 23-5/8” x 47-5/8” x 3” with exposed anodized aluminum frame and diamond pattern white epoxy coated steel face screen. The HEPA Filter is designed for 90 FPM average face velocity @ initial 0.47 w.g. and has a rated efficiency of 99.99% @ 0.3 micron or larger.

Actual Size: 23-5/8” x 47-5/8” x 12-5/8”

Standard Equipment: Includes a N310 Low Watt motor, a prefilter and a solid state variable speed control with RFI Suppression. A safety switch is provided for all voltages as listed below.

Options: ULPA Filter, Power Cord, Duct Collar Adaptors. More options are shown in the back of this section.

Consult with Factory for Horizontal Flow Applications

<table>
<thead>
<tr>
<th>Mfg. Code</th>
<th>Model or Description</th>
<th>Size</th>
<th>Motor</th>
<th>Voltage</th>
<th>Hz</th>
<th>Watts</th>
<th>Amps</th>
<th>FLA</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>12100</td>
<td>SAM 22 MS 2 x 2</td>
<td>N310</td>
<td>115</td>
<td>60</td>
<td>185</td>
<td>1.8</td>
<td>4.1</td>
<td>53 lbs. (25.0 kg.)</td>
<td></td>
</tr>
<tr>
<td>12101</td>
<td>SAM 22 MS 2 x 2</td>
<td>N310</td>
<td>208-230</td>
<td>50/60</td>
<td>170</td>
<td>.9</td>
<td>2.0</td>
<td>53 lbs. (25.0 kg.)</td>
<td></td>
</tr>
<tr>
<td>12102</td>
<td>SAM 22 MS 2 x 2</td>
<td>N310</td>
<td>277</td>
<td>60</td>
<td>165</td>
<td>.6</td>
<td>1.4</td>
<td>53 lbs. (25.0 kg.)</td>
<td></td>
</tr>
<tr>
<td>12261</td>
<td>SAM 24 MS 2 x 4</td>
<td>N310</td>
<td>115</td>
<td>60</td>
<td>185</td>
<td>1.8</td>
<td>4.1</td>
<td>60 lbs. (27.2 kg.)</td>
<td></td>
</tr>
<tr>
<td>12262</td>
<td>SAM 24 MS 2 x 4</td>
<td>N310</td>
<td>208-230</td>
<td>50/60</td>
<td>170</td>
<td>.9</td>
<td>2.0</td>
<td>60 lbs. (27.2 kg.)</td>
<td></td>
</tr>
<tr>
<td>12263</td>
<td>SAM 24 MS 2 x 4</td>
<td>N310</td>
<td>277</td>
<td>60</td>
<td>165</td>
<td>.6</td>
<td>1.4</td>
<td>60 lbs. (27.2 kg.)</td>
<td></td>
</tr>
</tbody>
</table>

302070 2x2 NCR Style Replacement HEPA Filter, 99.99% eff. @ 0.3 micron
302071 2x2 NCR Style Replacement ULPA Filter, 99.9995% eff. @ 0.12 micron
302090 2x4 NCR Style Replacement HEPA Filter, 99.99% eff. @ 0.3 micron
302100 2x4 NCR Style Replacement ULPA Filter, 99.9995% eff. @ 0.12 micron
302190 Prefilter 30% ASHRAE efficient, pleated type

Specification Sheets are available upon request