SPECIFICATIONS

VENTILATION BLOWER, EXPLOSION PROOF
9525-01
AXIAL FAN 20" (50.8cm)

GENERAL DESCRIPTION:
For use in applications requiring a large amount of output in a hazardous location environment. Allegro’s 20" (50.8cm) Explosion Proof blower is offered with a 1/2 HP Explosion Proof motor with an efficient 3-blade fan in a rugged metal housing. Certified to CSA Standard C22.2 No. 113.

CONSTRUCTION:
- Complete unit epoxy powder coated in orange
- Interchangeable flange for intake or exhaust side mounting
- 16 gauge cold rolled steel housing
- Integrated carrying handles on four sides
- Steel grill (zinc plated)
- Equipped with four rubber feet
- Stackable design

MOTOR:
- HP: 1/2 HP
- Certifications: UL Listed, CSA certified
- Voltage/Hz: 115/230V AC, 60 Hz, Single Phase
- RPM: 1725
- Current Draw: 8.2/4.1A
- Cord: 25' (7.62m) 12/3 AWG SJOOW 90C 300V medium duty
- Plug: NEMA 20 Amp plug, explosion proof rated.

FAN:
- Anti-Static glass reinforced polyamide three blade fan with aluminum hub
- Moving fan mounted 1 5/8" (4.12cm) from grill for safety, grill gap 5/16" (.79cm)

DUCTING: (Accessory)
- Black single-ply, neoprene coated, statically conductive vinyl/polyester material, temperature resistant up to 250°F (121.1°C)
- Retractable, non-collapsible design. Class 1 hard drawn spring steel wire helix that (meets ASTM 227 specs)

HAZARDOUS LOCATION RATING:

<table>
<thead>
<tr>
<th>Class: I</th>
<th>Class: II</th>
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<tbody>
<tr>
<td>Divisions: 1 &amp; 2</td>
<td>Divisions: 1 &amp; 2</td>
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<td>Groups: C &amp; D</td>
<td>Groups: F &amp; G</td>
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</tbody>
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BLOWER DIMENSIONS:

<table>
<thead>
<tr>
<th>Length In. (cm)</th>
<th>Width In. (cm)</th>
<th>Height In. (cm)</th>
<th>Weight Lbs. (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>19&quot; (48.2 cm)</td>
<td>22&quot; (55.8 cm)</td>
<td>22 ½&quot; (57.1 cm)</td>
<td>75 lbs. (34 kg)</td>
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FLOW RATES: (CFM calculated using 15' (4.75m) of 20" (50.8cm) ducting)

<table>
<thead>
<tr>
<th>Free Air CFM (m³/hr)</th>
<th>One 90° Bend CFM (m³/hr)</th>
<th>Two 90° Bends CFM (m³/hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4650 (7900.39)</td>
<td>3150 (5351.88)</td>
<td>2950 (5012.08)</td>
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