MODEL WA
COMPACT WALL AXIAL FAN

MODELS GED/GSD, eGED/eGSD, DFE/DFS, DDE/DDS
DIRECT DRIVE SIDEWALL PROPELLER FANS

MODEL OVERVIEW
The S&P COMPACT WALL as the name suggests, an extremely compact design created by the combination of an external rotor motor matched with a direct drive wrap around an impeller hub. This very low profile design optimizes airflow performance while minimizing noise generation.

The S&P COMPACT WALL AXIAL FANS are designed to be installed directly into side walls, ceilings and panels in order to exhaust or supply air to the surrounding environments.

All COMPACT WALL AXIAL FANS include a one piece bell mouth inlet and mounting plate manufactured from high grade galvanized steel. The motor and fan impeller assembly are firmly supported within this mounting plate by a strong steel support frame that includes an integrated finger guard on the inlet side. All units are supplied with motors prewired to a wiring junction box located on the back of the motor hub for easy wiring access. This terminal box protects all wiring connections against the ingress of dust and moisture. The entire assembly is protected by a two stage primer and a tough corrosion and UV resistant polyester paint finish.

MODEL FEATURES
- Exhaust air up to 4,520 CFM with static pressure capabilities to 1/2” w.g.
- Constructed from die cast aluminum and finished in a black polyester paint coating
- All models include asynchronous induction capacitor run and start motors
- Low profile design
- Class F motor insulation

5 year fan housing and motor warranty

All specifications are subject to change without notice unless approved in submittal by Soler & Palau.
CONSTRUCTION/SPECIFICATION CHECKLIST

Motor
• All models include asynchronous induction capacitor run and start motors.
• Constructed from die cast aluminum and finished in a black polyester paint coating.
• Speed controllable.
• Totally enclosed IP/65 protection.
• Class F insulation.
• Suitable working temperatures -40°C (-40°F) up to 60°C (140°F).
• All models include a Safety Auto Reset Thermal Overload Protection.

Terminal Box
• Manufactured from high impact grade aluminum.
• IP65 protected.

Wheel / Impeller
• Manufactured from glass filled UV resistant polyamide.
• Special Order: Die cast aluminum. Please inquire.
• Corrosion and weather resistant.

ACCESSORIES

Please refer to the S&P Group A (Residential/Light Commercial) catalog for a complete line of accessories.

<table>
<thead>
<tr>
<th>SC 15</th>
<th>DEF-D</th>
<th>PER</th>
<th>PER-CN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variable speed control</td>
<td>Wire protection guard</td>
<td>Plastic gravity louver shutter</td>
<td>Aluminum louver back draft shutter</td>
</tr>
</tbody>
</table>
### Air & Sound Performance

<table>
<thead>
<tr>
<th>Model</th>
<th>*Technical Specification</th>
<th>Input Watts</th>
<th>Peak BHP</th>
<th>RPM</th>
<th>CFM v Static Pressure (SP) Ins. WG</th>
<th>Sones</th>
</tr>
</thead>
<tbody>
<tr>
<td>WA 12</td>
<td>HCBG/4-12/G-A</td>
<td>132</td>
<td></td>
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<td>0 0.05 0.1 0.15 0.2 0.25 0.3 0.35 0.4 0.5</td>
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<td>WA 16</td>
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<td>1500</td>
<td>2430 2350 2260 2160 2050 1840 1500</td>
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<td>1465</td>
<td>3690 3600 3510 3410 3330 3240 3140 3020 2900 2500</td>
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<td>WA 20</td>
<td>HCBG/4-20/G-A</td>
<td>750</td>
<td>0.65</td>
<td>1500</td>
<td>4520 4440 4340 4220 4100 3990 3870 3740 3600 3160</td>
<td>28</td>
</tr>
</tbody>
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Performance certified is for installation type A: free inlet, free outlet.

### *Technical Specifications:

- **HCGB/ 4-16/ G-A**
  - 1 2 3 4 5 6 7

1-HC: COMPACT WALL AXIAL FAN reference.
2-G: Plastic adjustable impeller (supplied as standard).
B: Aluminum adjustable impeller (please inquire).
3-B: Single Phase Motor. 120 V 60 Hz.
T: Three Phase Motor. 220/460 V 60 Hz (please inquire).
5-16: Speed. Number of poles.
6-A: Nominal blade diameter in inches.
Air direction.
  - Form A = air over motor-impeller.
  - Form B = air over-impeller motor.