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1-877-275-9111



# Compact Wall and Duct Axial Fan Series

For Industrial and Commercial Applications

Catalog CA02-August 2006



**Compact Axial**  
*series*

The World's Leading Producer of  
**Air Movement Products**

an *SefaCo.* Store  
1-877-275-9111

**Soler&Palau**  
Ventilation Group

**Soler & Palau (S&P) USA and Canada** are the most recent additions to, and are wholly owned subsidiaries of, Soler & Palau Ventilation Group which was founded in 1951. S&P Ventilation Group is the World's leading supplier of air movement products with an emphasis on developing and producing leading edge products to HVAC and other associated industries.

Over the past 50 years the company has expanded its product ranges and operations within Europe and beyond. Across the globe, S&P has established the most effective means through subsidiaries, distributors and partners for the distribution of our products. Today S&P has many companies, among these are: Australia, Belgium, China, England, France, Germany, Holland, Italy, Portugal, Mexico, the USA and Canada. Worldwide, S&P is represented by an established and renowned network of distributors and partner companies.

## Compact Wall and Duct Axial Fans (WA series & DA series)

The S&P COMPACT WALL and DUCT AXIAL FANS feature, 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. Both wall and duct mounted versions require an absolute minimum depth for any given wall, ceiling, panel or in-line duct mounted installation.

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.



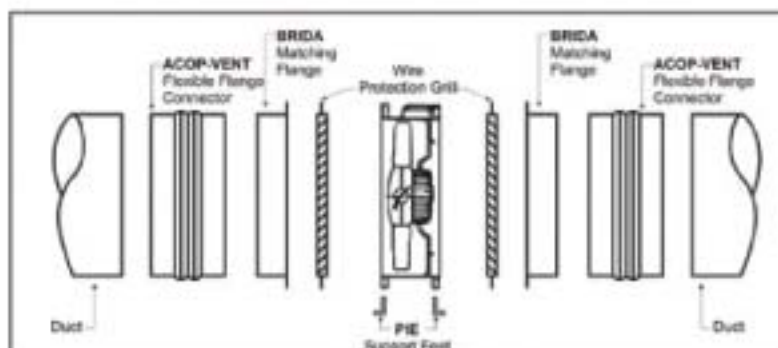
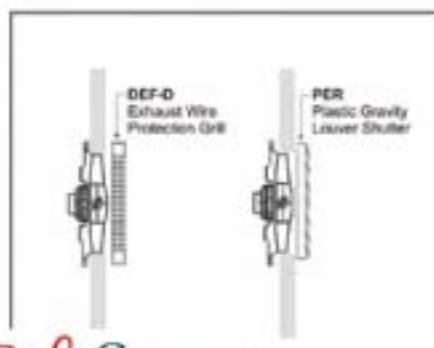
**WA - Series**

The S&P COMPACT DUCT AXIAL FANS are designed to be installed in-line with inducted or partially ducted ventilation systems for exhaust or supply air applications.

All S&P COMPACT DUCT AXIAL FANS feature cylindrical flanged casings manufactured from a high grade rolled galvanized steel plate. The motor and impeller assembly are firmly supported within the casing by a strong steel support frame. All models are supplied with a prewired junction box located on the outside of the fan casing 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.



**DA - Series**





## Applications

The COMPACT WALL and DUCT AXIAL fans from S&P are designed for use in a wide range of residential, commercial and industrial ventilation applications. The COMPACT WALL AXIAL FANS are designed to be installed directly into sidewalls, ceilings or panels. The COMPACT DUCT AXIAL FANS are designed for installation within ducted systems where the fan is supported on both sides. A list of typical applications include the following:

### Residential

- Garages
- Lofts
- Workshops
- Basements
- Crawl Spaces

### Commercial

- Offices
- Bars & Restaurants
- Cafeterias
- Locker Rooms
- Make-Up Air Applications

### Industrial

- Warehouses
- General Office Spaces
- Equipment Cooling
- Air Transfer Applications

### Agricultural & Greenhouse

- Poultry Sheds
- Greenhouses
- Any other applications where the exhaust of moisture laden air is required

• OEM – In addition to many traditional HVAC ventilation applications the COMPACT AXIAL FAN series can also be incorporated into the design of OEM machinery and equipment to provide ventilation or cooling in applications such as Air Conditioning Condensers, Roof Extract Fans, Portable Cooling Appliances... and many more. Special versions of the COMPACT AXIAL FANS are available depending upon the application.

**Please contact your local sales representative.**

## Technical Specifications

### Warranty

**Five (5) year limited warranty.**

### Motor

- All models include asynchronous induction capacitor run and start motors.
- Constructed from die cast aluminum and finished in a black polyester paint coating.
- 100% 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.

**\*Technical Specifications: Example (see following page)**

HCGB/	4-16/	G-A
0 0 0	0 0	0 0
1 2 3	4 5	6 7

- 1-HC: COMPACT WALL AXIAL FAN reference.
  - TC: COMPACT DUCT 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.

### Accessories

A wide range of accessories is available to complete the most demanding installation.

### Code Approval

All models have been independently safety tested by Underwriters Laboratories, Inc and are UL and cUL Listed.