

# Typical Specifications

**Model:** **CSF**

**Description:** Fan shall be a belt drive, roof mounted, hooded, double width/double inlet forward curved centrifugal filtered supply fan.

**Construction:** The fan shall be of bolted construction utilizing corrosion resistant fasteners. Housing shall be heavy gauge G90 galvanized steel, attached to a heavy gauge steel fan base with pre-punched mounting holes. The full perimeter intake housing shall include an insulated top cover complete with quick release latches, and an integral rain gutter. The unit shall include 1" thick washable permanent aluminum filters. Internal blower and motor assembly shall be mounted on rubber vibration isolators. The fan shall include a standard disconnect switch (except units with two speed motors). The fan shall bear a permanently attached nameplate displaying model and serial number of unit for future identification. The unit shall be factory run-tested after assembly.

**Wheel:** Wheel shall be DWDI centrifugal forward curved type. Wheel shall be balanced in accordance with AMCA Standard 204-96, *Balance Quality and Vibration Levels for Fans*.

**Motors and Electrical:** Motor shall be heavy duty type with permanently lubricated sealed ball bearings and furnished at the specified voltage, phase and enclosure.

**Bearings and Shaft:** Bearings shall be designed and individually tested specifically for use in air handling applications. Construction shall be heavy duty regreasable ball type in a cast iron pillow block housing selected for a minimum L50 life in excess of 200,000 hours at maximum cataloged operating speed. Fan shafts shall be precision ground and polished.

**Drives and Belts:** Belts shall be oil and heat resistant, non-static type. Drives shall be precision machined cast iron type, keyed and securely attached to the wheel and motor shafts. Drives shall be sized for 150 percent of the installed motor horsepower. The variable pitch motor sheave must be factory set to the specified fan RPM range.

**Certifications:** Fan shall be listed by Underwriters Laboratories (cULus 705) including UL listing for Canada when specified in the fan schedule. Fan shall bear the AMCA certified ratings seal for air performance.

**Options and Accessories:** Optional accessories shall be provided either factory installed or field installed as detailed in the fan schedules.

**Warranty:** Manufacturer's warranty shall apply for a period of 5 years (housing, bearings, shaft, and wheel) and 1 year (motor). See warranty certificate for details.

**Product:** Fan shall be model CSF as manufactured by Soler & Palau USA of Jacksonville, Florida, a division of Soler and Palau Ventilation Group.