

Typical Specifications

Model: SDBD

Description: The fan shall be a roof mounted, spun aluminum, direct driven, downblast centrifugal exhaust ventilator.

Standard Construction:

The fan shall be of welded and bolted construction utilizing corrosion resistant stainless steel fasteners. The spun aluminum components shall be constructed of heavy-gauge aluminum, bolted to an aluminum support structure for rigidity and strength. The aluminum base shall have continuously welded curb cap corners for added strength and maximum leak protection. The fan base shall have pre-punched mounting holes. The discharge skirt shall have a rolled bead for added strength. The aluminum motor cover shall have stainless steel fasteners to provide easy access into the motor compartment. An integral watertight conduit chase shall be provided through the curb cap and into the motor compartment to facilitate wiring connections. The motor shall be isolated from the unit structure with neoprene vibration isolators to reduce vibration and sound. The motor shall be enclosed in a weather-tight compartment, separated from the exhaust airstream and cooled by air isolated from the exhaust. The fan shall include an integral aluminum birdscreen and standard disconnect switch. 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 non-overloading backward inclined centrifugal, constructed of heavy-gauge aluminum, including a precision machined cast aluminum or steel hub. Wheel inlet shall overlap an aerodynamic deep spun aluminum inlet cone to provide optimum air and sound performance. Wheel shall be statically and dynamically balanced in accordance with AMCA Standard 204-05, *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.

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

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

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

Product: Fan shall be model SDBD as manufactured by S&P USA Ventilation Systems of Jacksonville, FL, a division of Soler & Palau Ventilation Group.