

Typical Specifications

Model: SRSH-B

Description: Fan shall be a galvanized steel, tamper resistant, roof mounted, belt driven, downblast centrifugal exhaust ventilator.

Certifications: Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705). Fan shall bear the AMCA certified ratings seal for air performance.

Construction: The fan shall be of bolted, riveted and welded construction utilizing corrosion resistant fasteners. The discharge skirt shall be 16 gauge galvanized steel construction fastened with stainless steel rivets. An 18 gauge galvanized steel hood shall have stainless steel .25 diameter full length hinge to provide secure access into the motor compartment. The hood shall have two .125 thick x 1.25 wide restraining bars to hold the hood in the open locked position when servicing. A heavy-duty .125 thick stainless steel locking hasp shall provide complete security with the use of a standard padlock concealed under the skirt. An integral conduit chase shall be provided through the curb cap and into the motor compartment to facilitate wiring connections. The motor, bearings and drives shall be mounted on a 14 gauge steel power assembly, isolated from the unit structure with rubber vibration isolators, the complete power assembly, motor and wheel assembly can be removed for servicing without disassembling the hood or skirt assemblies. Lifting lugs shall be provided to help prevent damage from improper lifting. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM, static pressure, and maximum fan RPM. Unit shall be shipped in ISTA certified transit tested packaging.

Wheel: Wheel shall be centrifugal backward inclined, constructed of 100 percent aluminum, including a precision machined cast aluminum hub. Wheel inlet shall overlap an aerodynamic galvanized steel inlet cone to provide maximum performance and efficiency. Wheel shall be balanced in accordance with AMCA Standard 204-05, *Balance Quality and Vibration Levels for Fans*.

Motor: Motor shall be NEMA design B with class B insulation rated for continuous duty and furnished at the specified voltage, phase and enclosure.

Bearings: 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.

Belts & Drives: Belts shall be oil and heat resistant, static conducting. 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 drive must be factory set to the specified fan RPM.

Product: Fan shall be model SRSH-B as manufactured by Loren Cook Company of Springfield, Missouri.