

# Typical Specifications

**Model:** AUD

**Description:** The fan shall be a direct drive upblast propeller roof fan.

**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 and welded construction utilizing corrosion resistant fasteners. The motor and propeller shall be mounted on a minimum 10 gauge welded steel power assembly inside a minimum 14 gauge welded steel housing. The housing shall be continuously welded to a minimum 14 gauge steel base with integral spun venturi and continuously welded curb cap corners. Fan shall have hinged butterfly discharge dampers of aluminum or steel construction with a rain gutter to prevent rain infiltration. Dampers shall be protected by a continuously welded steel windband of minimum 18 gauge steel with minimum one inch flanges for maximum strength and rigidity. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM and static pressure. Unit shall be shipped in ISTA certified transit tested packaging.

**Coating:** All steel fan components shall be Lorenized™ with an electrostatically applied, baked polyester powder coating. Each component shall be subject to a five stage environmentally friendly wash system, followed by a minimum 2 mil thick baked powder finish. Paint must exceed 1,000 hour salt spray under ASTM B117 test method.

**Propeller:** Propeller shall be cast aluminum airfoil design with cast aluminum hub. The blade pitch shall be factory set and locked using set screws and roll pin. The hub shall be keyed and locked to the shaft utilizing two set screws or a taper lock bushing. Propeller shall be balanced in accordance with AMCA Standard 204-05, *Balance Quality and Vibration Levels for Fans*.

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

**Product:** Fan shall be model AUD as manufactured by Loren Cook Company of Springfield, Missouri.