

# Typical Specifications

**Model:** AFD-C

**Description:** Fan shall be a direct drive, fixed pitch, tube axial 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:** Fan shall be of bolted and welded construction utilizing corrosion resistant fasteners. Housing shall be minimum 12 gauge steel with continuously welded seam and integral inlet and outlet flanges pre-punched for mounting. Copper lube lines shall be extended from the motor to the outside of the housing. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM, static pressure, and maximum fan RPM.

**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 fixed pitch, one piece cast aluminum, 6 blade airfoil design. The propeller shall be keyed and secured to the shaft with a split taper bushing and retaining plate. Propeller shall be balanced in accordance with AMCA Standard 204-05, *Balance Quality and Vibration Levels for Fans*, Category BV-3.

**Motor:** Motor shall be heavy duty type totally enclosed furnished at the specified voltage and phase.

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