

Typical Specifications

Model: AVAD

Description: Fan shall be a direct drive, adjustable pitch, vane 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 and sound performance.

Construction: Fan shall be of bolted and welded construction utilizing corrosion resistant fasteners. Housing shall be minimum 7 gauge steel with continuously welded seam. Housing shall incorporate minimum 2" x 2" x 1/4" welded inlet and outlet flanges pre-punched for mounting. Housing shall include welded steel discharge vanes surrounding a "C" face mount motor tunnel. Copper lube lines shall be extended from motor bearings to the outside of the housing when applicable. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM and static pressure.

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 an adjustable pitch, cast aluminum, 9 blade airfoil design, factory set to required pitch. Individual blades shall be cast with a threaded fastener and feature a conical section to secure the blade to the cast aluminum hub and to provide provision for pitch adjustment. The propeller hub shall be keyed and locked to the shaft utilizing a split taper bushing. 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 totally enclosed type furnished at the specified voltage and phase.

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