

Typical Specifications

Model: VAD

Description: Fan shall be a fixed pitch, direct drive 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 10 gauge steel with continuously welded seams. Housing shall incorporate minimum 1 1/2" x 10 gauge 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 the motor to the outside of the housing. 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 fixed pitch, one piece cast aluminum, 7-blade airfoil design. The propeller 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 VAD as manufactured by Loren Cook Company of Springfield, Missouri.