

Typical Specifications

Model: QMXD

Description: Fan shall be a direct driven, tubular mixed-flow inline blower.

Certifications: Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL/cUL 705) for US and Canada. Fan shall bear the AMCA Certified Ratings Seal for Sound and Air Performance. Performance shall be certified for both inlet and outlet sound.

Construction: The fan shall be of welded and bolted construction utilizing corrosion resistant fasteners. Housing shall be minimum 14 gauge steel with integral inlet and outlet collars for slip fit duct connections. Straightening vanes shall be included to assure maximum efficiency and low noise levels. For motors with grease fittings, extended lube lines shall be furnished for lubrication. Lifting lugs shall be provided for ease of installation. Mounting feet shall allow field selection of ceiling or floor mounting and multiple motor access locations. 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.

Coating: 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.

Wheel: Wheel shall be steel, non-overloading, high efficiency mixed-flow type. Contoured single thickness blades shall incorporate 3-D curvature for maximum efficiency across the entire surface of the blade. Blades shall be continuously welded to the backplate and inlet shroud. Hubs shall be keyed and securely attached to the motor shaft. Wheel shall overlap an aerodynamic aluminum inlet cone to provide maximum performance and efficiency. Wheel shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

Motor: Motor shall be a TEFC furnished at the specified voltage and phase.

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

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