

Typical Specifications

Model: MRS-D

Description: Fan shall be hooded, roof mounted, direct driven, propeller economizer fan.

Operation Modes: Mix outside air with recirculated air, recirculate inside air, supply outside air.

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).

Construction: The fan shall be of bolted and welded construction utilizing corrosion resistant fasteners. The hood shall be constructed of 18 gauge galvanized steel. The hood base shall be minimum 14 gauge Lorenized™ steel with continuously welded curb cap corners. The plenum shall be constructed of 14 gauge galvanized steel and provided with integral lifting lugs, propeller safety screen and two access doors. Outside air damper and recirculated air dampers shall be constructed of galvanized steel frame and blades. The motor shall be mounted to a minimum 14 gauge tubular steel power assembly. The propeller shall be located in a double venturi for efficient air flow in all modes of operation. 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.

Propeller: Propeller shall be extruded 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 Nema design B with class B insulation rated for continuous duty and furnished at the specified voltage, phase and enclosure.

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