

# Typical Specifications

**Model:** XPHD-Supply

**Description:** Fan shall be a wall mounted, direct driven, aluminum propeller supply fan with integral housing, shutter and inlet guard.

**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 motor shall be mounted on a 14 gauge steel mounting plate and power assembly. The power assembly shall be bolted to a minimum 14 gauge wall panel with continuously welded corners and an integral vent. Fan shall be enclosed in minimum 18 gauge galvanized steel wall housing with factory installed shutter and inlet guard. 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.

**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 1.5 to 2.5 mil thick baked powder finish. Paint must exceed 1,000 hour salt spray under ASTM B117 test method.

**Propeller:** Propeller shall have aluminum blades riveted to a painted steel hub. The hub shall be securely fastened to the motor shaft utilizing two set screws. 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.

**Motor (XPHD-EC/VF):** Motor shall be an electronically commutated motor rated for continuous duty and furnished either with internally mounted potentiometer speed controller or with leads for connection to 0-10 VDC external controller.

**Product:** Fan shall be the XPHD-Supply as manufactured by Loren Cook Company of Springfield, Missouri.