

RPHREB-RA Specification

Typical Specifications

Model: RPHREB-RA

Description: Fan shall be a belt drive, roof mounted, low profile, hooded, propeller exhaust ventilator.

Standard Construction: The fan shall be of welded and bolted construction utilizing corrosion resistant fasteners. The heavy duty motor, bearings and drives shall be mounted on a heavy gauge galvanized steel motor and bearing plate. The heavy gauge G90 galvanized steel fan housing shall include an integral spun venturi. The fan shall include a heavy duty base with welded curb cap corners for added strength and rigidity. The fan shall be enclosed with a heavy gauge G90 galvanized steel hood bolted to the fan housing. The hood shall pivot to allow unobstructed access to the motor and power assembly without removing the entire hood. An entire side panel of the fan stack shall be removable for easy access to fan. The fan shall bear a permanently attached nameplate displaying model and serial number of unit for future identification. The unit shall be factory run-tested after assembly.

Propeller: Propeller shall be a high-efficiency design with airfoil aluminum blades securely fastened to a heavy duty epoxy coated steel hub. The hub shall be securely fastened to the fan shaft. Propeller shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

Motors and Electrical: Motor shall be heavy duty type with permanently lubricated sealed ball bearings and furnished at the specified voltage, phase and enclosure.

Bearings and Shaft: Bearings shall be designed and individually tested specifically for use in air handling applications. Construction shall be heavy duty regreasable ball type in a cast iron pillow block housing selected for a minimum L50 life in excess of 200,000 hours at maximum cataloged operating speed. Fan shafts shall be precision ground and polished.

Drives and Belts: Belts shall be oil and heat resistant, non-static type. Drives shall be precision machined cast iron type, keyed and securely attached to the wheel and motor shafts. Drives shall be sized for 150% of the installed motor horsepower. The variable pitch motor drive must be factory set to the specified fan RPM.

Certifications: Fan shall be listed by Underwriters Laboratories (cULus 705). Fan shall bear the AMCA certified ratings seal for sound and air performance.

Warranty: Manufacturer's warranty shall apply for a period of 1 year. See warranty certificate for details.

Product: Fan shall be the RPHREB-RA as manufactured by RUPP Air Systems