

Typical Specifications

Model:	TDB
Description:	Fan shall be a belt drive, tube axial, aluminum airfoil propeller fan.
Standard Construction:	The fan shall be of welded construction utilizing corrosion resistant fasteners and epoxy coated. The tube shall be constructed of heavy gauge G90 galvanized steel. Adjustable tension rods shall be included for positive belt tensioning. Unit shall bear a permanently attached nameplate displaying model and serial number for future identification. Factory assembled and tested prior to shipment for quality assurance.
Propeller:	Propeller shall be aluminum airfoil design with steel or aluminum hub plate with steel bushing. 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 204-96, <i>Balance Quality and Vibration Levels for Fans</i> .
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 housing selected for a minimum L50 life in excess of 200,000 hours at maximum cataloged operating speed. Fan shafts shall be 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 motor sheave must be selected for the specified fan RPM.
Options and Accessories:	Optional accessories shall be provided either factory installed or field installed as detailed in the fan schedules.
Certifications:	Fan shall be listed by Underwriters Laboratories (cULus 705) including UL listing for Canada when specified in the fan schedule. Fan shall bear the AMCA certified ratings seal for sound and air performance.
Warranty:	Manufacturer's warranty shall apply for a period of 2 years (housing, bearings, shaft, propeller), 1 year motor warranty. See warranty certificate for details.
Product:	Fan shall be model TDB as manufactured by Soler & Palau USA of Jacksonville, Florida, a division of Soler & Palau Ventilation Group.