Submittal Data

Stainless Steel Blower Series
Model PSS20

Description
Centrifugal type fans suitable for operation in corrosive air applications. All structural parts of the blower assembly to be made of Electro Polished 316 Stainless Steel and supplied with a 316 Stainless Steel Motor Support Bracket or optional Model WH5 Powder Coated Aluminum Weather Hood & Pedestal support as specified. The PSS20 can be supplied with optional equipment as specified including all Stainless Steel motors TEFC, TENV and EPFC.

Specifications
Supply, exhaust or return air fans shall be direct drive utility fan type, AMCA arrangement 4 with single width, single inlet housing in CCW or CW rotation as specified.

Construction
Housing shall be constructed of Electro Polished 316 Stainless Steel with all seams welded to prevent air leakage and shall be field changeable to any of 8 standard discharge positions. The fan shall be supplied with Teflon Gaskets to provide an anti-corrosive seal between the Motor Plate, Inlet Flange and Housing. Fan shall be supplied with a Motor Support Bracket constructed of 316 Stainless Steel to supply rigid support of fan and wheel (Impeller) operation. Fan Wheel (Impeller) shall be forward curved type and constructed of Electro Polished 316 Stainless Steel. Fan Wheel (Impeller) shall be suitable for RPM up to 3450 and electronically and dynamically balanced. The fan wheel (Impeller) shall be supplied with Electro Polished 316 Stainless Steel Hub and Hub Cap with a Teflon Gasket for sealing/shielding end of motor shaft from corrosive air stream. Inlet Cone shall be carefully matched for maximum performance and efficiency. Fan Inlet and Outlet Flange will be round for easy coupling to round duct.

Motors
The motor shall be heavy duty ball bearing type rated for continuous duty with voltage and phase as specified. Motors are to be Totally Enclosed Fan Cooled (TEFC) or Totally Enclosed Non Ventilated (TENV). A variety of motors may be specified for the PSS20 as follows: Wash down Duty (including all Stainless Steel), Dirty Duty, Explosion-Proof Class I Group C and D, Class II Groups F and G, Division 1/Division 2 or other types as specified. Specify EPACT (Standard) Efficiency or Premium Efficiency as required.

Performance
Fan performance shall be based on Test Method per ANSI/AMCA Standard 210-99 and AMCA Standard 300, Figure 2 (Inlet Sound), Ducted Inlet, Ducted Outlet.

PROJECT									ARCHITECT	
CONTRACTOR		DATE		SUBMITTED BY					ENGINEER	
SPECIFICATION										
FAN POS.	MODEL NO.	CFM	IN. WG.	RPM	WATTS / HP	AMPS	dB(A)	PHASE / VOLTAGE	QTY.	OPTIONAL EQUIPMENT

WARNING! DO NOT use in HAZARDOUS ENVIRONMENTS where fan's electrical system could provide ignition to combustible or flammable materials unless it is specifically built for hazardous environments. CT Plastics reserves the right to substitute material or change product specifications.

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