

FAN DATASHEET

PURCHASER / OWNER:				ITEM NO.:			
SERVICE:				LOCATION:			
1	FAN MANUFACTURER:		MODEL/SIZE		ARRANGEMENT:		Rev
2	SERVICE:	Induced Draft Fan	NUMBER REQUIRED:				
3	DRIVE SYSTEM:	Electric Motor	FAN ROTATION FROM DRIVEN END:		CW		CCW
3	GAS HANDLED:	Flue Gas	RELATIVR MOLECULAR MASS:	29.07			
5	SITE ELEVATION [m]	806.9	FAN LOCATION:	Look I.D.Z. Duct Layout			

OPERATING CONDITION

1	OPERATING CASE:		AS SIMULATED		Rev
2	CAPACITY [kg/hr]		113505.3		
3	VOLUME FLOW RATE [NCMH]		87511.2		
4	Actual VOLUME FLOW RATE [m3/hr]		157020.6		
5	DENSITY [kg/m3] (Operating)		0.723		
6	OPERATING TEMPERATURE [C]		159.67		
7	RELATIVE HUMIDITY [%]		0		
8	STATIC PRESSURE AT INLET [mmH2O_g]		-224.0584		
9	STATIC PRESSURE AT OUTLET [mmH2O_g]		0.8714		
10	PERFORMANCE:				
11	ABSORBED POWER [kW] (All Lossed Included)		121.2217 (1)		
12	FAN ROTATIONAL SPEED [rpm]		750		
13	STATIC PRESSURE RISE ACROSS FAN [mmH2O]		224.9298		
14	INLET DAMPER/ VANE POSITION				
15	DISCHARGE DAMPER POSITION				
16	FAN STATIC EFFICIECNY [%]		83		
17	STEAM RATE (TURBINE ONLY) [kg/Kw*h]				
18	FAN CONTROL:		DRIVE:		
19	AIR SUPPLY:		MAKE		TYPE:
20	FAN CONTROL/ FURNISHED BY:		RATED kw		r/min
21	METHOD:	INLET DAMPER	OUTLET DAMPER	ELECTRICAL AREA CLASSIFICATION:	
22		INLET GUIDE VANES:	VARIABLE SPEED:	CLASS	GROUP
23	STARTING METHOD		POWER	VOLTS	ph Hz

NOTES:

24	(1) Effect of Summer and Winter Temperature is Ignored. Drive Load Factor is Assumed to be 1.05.
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