

FAN DATASHEET

PURCHASER / OWNER:				ITEM NO.:			
SERVICE:				LOCATION:			
1	FAN MANUFACTURER:		MODEL/SIZE		ARRANGEMENT:		Rev
2	SERVICE:	Forced Draft Fan	NUMBER REQUIRED:				
3	DRIVE SYSTEM:	Electric Motor	FAN ROTATION FROM DRIVEN END:		CW		CCW
3	GAS HANDLED:	Air	RELATIVR MOLECULAR MASS:	28.96			
5	SITE ELEVATION [m]	806.9	FAN LOCATION:	Look F.D.Z. Duct Layout			

OPERATING CONDITION

1	OPERATING CASE:		AS SIMULATED		Rev	
2	CAPACITY [kg/hr]		106288.6			
3	VOLUME FLOW RATE [NCMH]		82253.9			
4	Actual VOLUME FLOW RATE [m3/hr]		98836.7			
5	DENSITY [kg/m3] (Operating)		1.075			
6	OPERATING TEMPERATURE [C]		23.33			
7	RELATIVE HUMIDITY [%]		0			
8	STATIC PRESSURE AT INLET [mmH2O_g]		-49.5806			
9	STATIC PRESSURE AT OUTLET [mmH2O_g]		449.9387			
10	PERFORMANCE:					
11	ABSORBED POWER [kW] (All Lossed Included)		171.5187 (1)			
12	FAN ROTATIONAL SPEED [rpm]		1109			
13	STATIC PRESSURE RISE ACROSS FAN [mmH2O]		499.5192			
14	INLET DAMPER/ VANE POSITION					
15	DISCHARGE DAMPER POSITION					
16	FAN STATIC EFFICIECNY [%]		82			
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	DIVISION
23	STARTING METHOD		POWER	VOLTS	ph	Hz

NOTES:							
24	(1) Effect of Summer and Winter Temperature is Ignored. Drivre Load Factor is Assumed to be 1.05.						
25							