


<b>PURCHASER/OWNER:</b>		<b>ITEM No.</b>		
<b>SERVICE: FLUEGAS AIR PREHEATER</b>		<b>LOCATION:</b>		
1	MANUFACTURER	BY-CAST / DEKA		Rev.
2	MODEL			
3	NUMBER REQUIRED			
4	HEATING SURFACE, m <sup>2</sup>			
5	WEIGHT, Kg			
6	APPROXIMATE DIMENSIONS (L x W x H) , mm			
PERFORMANCE DATA				
7	OPERATING CASE	DESIGN	NORMAL	TURNDOWN
8	TOTAL AIR FLOW, Kg/h			
9	AIR SIDE FLOW ENTERING APH, Kg/h			
10	INLET TEMPERATURE, °C (*)			
11	OUTLET TEMPERATURE, °C (*)			
12	PRESSURE DROP: ALLOWABLE, mm WG			
13	CALCULATED, mm WG			
14	HEAT ABSORBED, GCal/h			
15	FLUE GAS SIDE FLOW, Kg/h			
16	INLET TEMPERATURE, °C (*)			
17	OUTLET TEMPERATURE, °C (*)			
18	PRESSURE DROP: ALLOWABLE, mm WG			
19	CALCULATED, mm WG			
20	HEAT EXCHANGED, GCal/h			
21	FOULING FACTOR, m <sup>2</sup> h°C/kCal			
22	AIR BY-PASS, Kg/h			
23	TOTAL AIR FLOW TO BURNERS, Kg/h			
24	MIX AIR TEMPERATURE, °C			
25	FLUE GAS COMPOSITION, MOLE % (O <sub>2</sub> /N <sub>2</sub> /H <sub>2</sub> O/CO <sub>2</sub> /SO <sub>x</sub> )			
26	FLUE GAS SPECIFIC HEAT, kCal/Kg°C			
27	FLUE GAS ACID DEW POINT TEMPERATURE, °C			
28	MINIMUM METAL TEMPERATURE: ALLOWABLE, °C			
29	CALCULATED, °C			
MISCELLANEOUS				
30	MINIMUM AMBIENT AIR TEMPERATURE, °C			
31	SITE ELEVATION ABOVE SEA LEVEL, m			
32	RELATIVE HUMIDITY			
33	EXTERNAL COLD AIR BY-PASS (YES-NO)			
34	COLD END THERMOCOUPLES (YES/NO)/ NUMBER REQUIRED			
35	ACCESS DOORS: NUMBER / SIZE / LOCATION			
36	INSULATION (INTERNAL / EXTERNAL)			
37	CLEANING MEDIUM: STEAM OR WATER			
38	PRESSURE, Bar (a)			
39	TEMPERATURE, °C.			
40	NUMBER OF AIRPASSES (ODD/EVEN)			
41	GLASS TUBE BLOCK (YES/NO)			
42	PAINTING REQUIREMENTS			
43	LEAK TEST			
44	AIR LEAKAGE (GUARANTEED), %			
MECHANICAL DESIGN				
45	DESIGN FLUE GAS TEMPERATURE, °C.			
46	DESIGN PRESSURE DIFFERENTIAL, mm WG			
47	SEISMIC FACTOR			
48	STRUCTURAL WIND LOAD,			
49				
NOTES				
50	MINIMUM DATA REQUESTED FROM CLIENT			
51	(*) MINIMUM 3 OF 4 TEMPERATURES NEEDED			

<b>AIR PREHEATER DATA SHEET</b>			
	Prepared	Verified	Approved
	ISSUE DATE:	SHEET: 1 OF 1	