

air-x-changers

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Order No. 990496
Date 5/7/99
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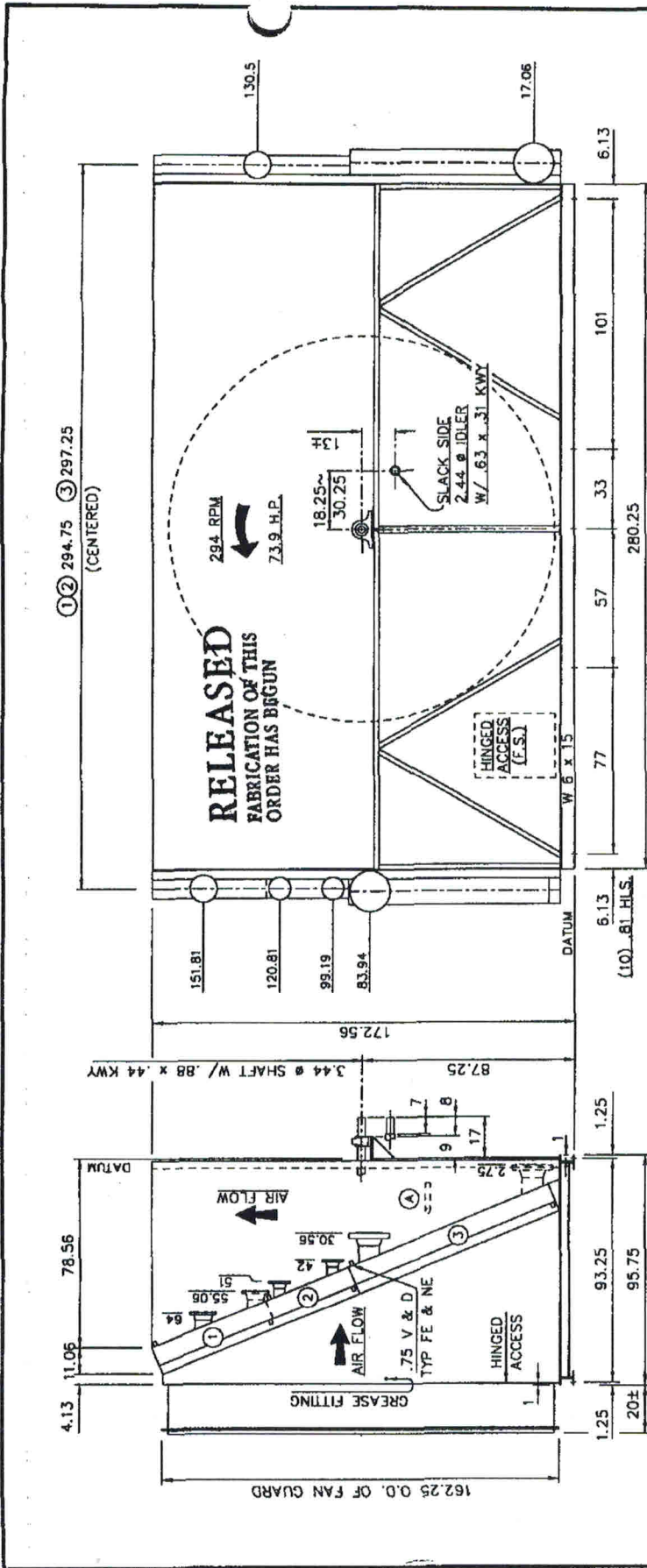
Purchaser **TEXACO**
Ref. No. **P. O.**
1 MODEL **156EH-112-24** Destination **NEW IBERIA, LA.**
Air-x-changer

PERFORMANCE

1 Service	EJW	AUX-W	CPO1
2 Flow	1100GPM	120GPM	25.0MMSCFD
3 Fluid	50%GLY	50%GLY	.62SPGR
4 Temperature in. °F	176.4	160.9	275.0
5 Temperature out. °F	168.9	130.8	122.4
6 Pressure. PSI			960PSIG
7 Pressure Drop. PSI	4.6	7.6	5.2
8 Heat Load. BTU/HR	3778500	1638319	4826877
9 True MTD	39.7	27.3	56.5
10 Overall Rate	181.3	158.7	102.8
11 Fouling Factor	.0005	.0005	.0020
12 Tube Surface. Sq. Ft.	535	386	832
13 Total Surface. Sq. Ft.	11443	8250	13223
14 Sections. No. of	COMBINED	COMBINED	1
15 Connected	SINGLY	SINGLY	SINGLY
16 No. Passes	1	4	1
17 Design Temp.. °F	300/50	300/50	300/50
18 Design Press.. PSIG	150	150	1315
19 Test Press.. PSIG	225	225	1973
20 Nozzles	6-150RF	4-150RF	8-600RTJ
21 Tubes. OD x BWG	1X16	1X16	5/8X16
22 Material	SA214 STEEL	SA214 STEEL	SA214 STEEL
23 No./Sect..Lgth.. Ft.	86, 24	62, 24	214, 24
24 No. Rows	4	4	4
25 Flanges	SA105SCH 40	SA105SCH 40	SA105SCH 80
26 Fins. Type	WHEEL	WHEEL	WHEEL
27 Material	AL	AL	AL
28			
29			
30 Headers. Type	BOX	BOX	BOX
31 Material	STEEL	STEEL	STEEL
32 Counterflow			
33 Corrosion Allowance			.0625
34 Grooved Tube Sheet			DBL
35 Plugs. Type	SHOULDER	SHOULDER	SHOULDER
36 Material	STEEL	STEEL	STEEL
37 Retarders			
38 Accelerators			.250
39 ASME Code Stamp			YES
40 Total SCFM	238588	Temp. In °F 100	Temp. Out °F 139.6
			Elev..Ft. 0

MECHANICAL EQUIPMENT - STRUCTURES

41 No. Fans	1 HP/Fan 73.9	RPM 294	Dia. 156	No. Blades 8	Material ALUMINUM	Make MOORE-60ED
42 Drive	V-BELT BY OTHERS					
43						
44 Draft Type	FORCED	No. of Bays	Overall Width	Length	Height	
45 Guards	FAN		Assembly	PACKAGED		
46						
47 Est. Shipping Weight	24520 LBS					
48 Accessories						
49						
50						



- COMBINED
- ① EJW (89 GALS)
D.P. 150 P.S.I. @ 300/50° F.
NOZZLES 6~150 R.F.
 - ② AUX-W (64.25 GALS)
D.P. 150 P.S.I. @ 300/50° F.
NOZZLES 4~150 R.F.
 - ③ CP01 (ASME STAMP)
D.P. 1315 P.S.I. @ 300/50° F.
NOZZLES 8~600 R.T.J.

① MANUAL SHUTTER OPER ~ CP01

TAG: JOB# 891764
AIR-X-CHANGERS
 CERTIFIED FOR JOB 990496
 BY T.S. DATE 6-7-99
 CUSTOMER TEXACO
 P.O. NO. 891764

ESTIM DRY WEIGHT ~ 24,550#

NEXT ASSY	AIR-X-CHANGERS		
REF DWGS	TULSA, OKLAHOMA		
	MODEL 156EH		
BY	BV	CHKD	
DATE	5/10/99	DATE	
SCALE		DWG #	CRT
JOB	990496		
REV.	1		

1	+1.25" TO STR DEPTH & ANCHOR BLT HLS.	JS	BY	5/25/99	DATE	APPD	
REV.	DESCRIPTION						