

 air-x-hemphill AXH air-coolers		2230 East 49th Street Tulsa, OK 74105 info@airxhemphill.com	Phone (918) 712-8268 Fax (918) 712-8269 www.airxhemphill.com	Proposal / Job No. 57921B Date 5/5/2005 Page 1 OF 1
1	Purchaser CONCEPT COMPRESSION - 280HP		Ultimate User	
2	Inquiry / PO#		Destination ALBERTA	
3	# Units 1	Model 60CVI	Reference	
4	Assembly PACKAGED	Draft INDUCED	Overall Size (WxL), Ft	Est Wt LBS
THERMAL & MECHANICAL DESIGN				
5	Service	EJW	AUX-W	
6	Flow	50GPM	31GPM	
7	Fluid	50%GLY	50%GLY	
8	Temp. In / Out, °F	190.0 / 128.2	140.2 / 130.0	
9	Pressure, PSI			
10	Pressure Drop, PSI	7.2	3.9	
11	Heat Load, BTU/HR	1431000	141780	
12	True LMTD	43.5	33.1	
13	Overall Rate, U	149.1	164.9	
14	Fouling Factor	.0005	.0005	
15	Surface, Tube / Total, Sq Ft	220 / 3506	29 / 455	
16	Sections, #	(1) - COMBINED	(1) - COMBINED	
17	Design Temp, °F Max / Min	300 / -20	300 / -20	
18	MWP / Test Press, PSIG	* 14 / 75	* 14 / 75	
19	Pass Arrangement	CROSSFLOW	CROSSFLOW	
20	# Tube Rows	4	3	
21	# Tube Passes	7	2	
22	Tubes, OD x BWG	5/8X16	5/8X16	
23	Material	SA214 STEEL	SA214 STEEL	
24	# Per Section / Length, Ft	154 / 9	20 / 9	
25	Turbulators			
26	Accelerators			
27	Fins, Type	HI-EFF	HI-EFF	
28	Material	AL	AL	
29	Nozzles, Rating / Type	150RF	150RF	
30	Material	SA105	SA105	
31	#-Inlets / Size In	(1) 3	(1) 2	
32	#-Outlets / Size In	(1) 3	(1) 2	
33	Headers, Type	REC TUBE	REC TUBE	
34	Material	A500	A500	
35	Corrosion Allow, In			
36	Grooved Tubesheet	SGL	SGL	
37	Plugs, Type	TAPER	TAPER	
38	Plugs Material	STEEL	STEEL	
39	PWHT			
40	ASME Code & Nat'l Board			
41	CRN			
42	Add'l Specs & Options			
43	API			
44	Louvers / Hail Screen			
45	Inspection / NDT			
FX= 100% X-Ray of all header seam, attachment & nozzle butt welds. SX= Spot X-Ray of 1 long seam & 1 end closure, per header BX= 100% X-Ray of all nozzle butt welds. UT = 100% UT of all header seam, attachment & nozzle butt welds. H = Hardness testing.				
AIR-SIDE PERFORMANCE		FAN DATA		DRIVER DATA
46	Ambient Air Temp, In °F 90	Fan(s) (1) MOORE-24VT HD	Type	Guards
47	Elevation, Ft 2500	Blade Material ALUMINUM	V-BELT BY OTHERS	
48	Air Flow, SCFM 36,693	HP / Fan 12.3		
49	Outlet Air Temp, °F 129	Dia, In / # Blades 60 / 4		
50	Min Air Temp, °F -20	RPM 645		
51		Tipspeed, FPM 10131		
52	Noise Data: 85 dBA @1m, 66 dBA @ 15m.	Pitch, Deg 20		
53	Additional Info. *-BUILT TO STANDARD 150# DESIGN BUT DESIGNATED 14# TO AVOID THE NEED FOR PROVINCIAL REGISTRATION			
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