



# PPW Issued

By: airxadmin  
Date: 06-07-2019, Rev: 1



Job Number 197301  
Date 1/21/2019  
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1	Purchaser	AG EQUIPMENT CO.	Ultimate User	CHEVRON
2	Inquiry	TBA	Destination	DUP OF 187361
3	No. Units	2	Model: 144-22	Reference 3616M UTILITY
4	Assembly:	PACKAGED	Draft: FORCED	Overall Size (WxLxH) , ft: 13.0x45.0x11.9
Est. Wt., lbs: 33,900				
<b>PERFORMANCE</b>				
5	Service	EJV	AUX	
6	Flow	700 GPM	450 GPM	
7	Fluid	50% GLY	50% GLY	
8	Temp. In / Out, f	190.0 / 165.2	147.3 / 130.0	
9	Pressure, psia			
10	Pressure Drop	7.0	8.2	
11	Heat Load, btu/hr	8,118,264	3,484,668	
12	True LMTD, f	40.2	19.2	
13	Overall Rate, U, btu/hr ft <sup>2</sup> f	154.3	157.6	
14	Fouling Factor, ft <sup>2</sup> hr /btu	0.0005	0.0005	
15	Surface, bare / Extended, sq.ft.	1317 / 26080	1157 / 24756	
16	Sections, No. / Connected	(1) COMBINED w/ 1	(1) COMBINED w/ 2	
17	Design Temp. (Max / Min), f	300 / -20	300 / -20	
18	Design / Test Press., psig	150 / 195	150 / 195	
19	Pass Arrangement	CROSSFLOW	CROSSFLOW	
20	No. Tube Rows / Tube Passes	3 / 2	3 / 2	
21	Section Weight, lbs	16131	COMBINED w/ 2	
22	Tubes, OD x BWG	1-1/4X16(0.060MIN)	1X16(0.060MIN)	
23	Material	SA214	SA214	
24	No. Per Section / Length, ft	92 / 44	101 / 44	
25	Retarders			
26	Accelerators			
27	L-Tension / Fins, Type	L-TENSION/WHEEL	L-TENSION/WHEEL	
28	Material	ALUMINUM	ALUMINUM	
29	Nozzles, Rating / Type	150 RFWN	150 RFWN	
30	Material / Bore	SA105 / SCH-40	SA105 / SCH-40	
31	(No. Inlets) / Size, in	(1) / 6 IN	(1) / 6 IN	
32	(No. Outlets) / Size, in	(1) / 6 IN	(1) / 6 IN	
33	Headers, Type	BOX W/PLUGS	BOX W/PLUGS	
34	Material	SA516 70	SA516 70	
35	Corrosion Allow., in			
36	Grooved Tubesheet			
37	Plugs, Type	SHOULDER	SHOULDER	
38	Plugs Material	SA105	SA105	
39	Industry Specifications	AXC-STD	AXC-STD	
40	ASME Code Stamp / N.B.			
41	Canadian Registration #			
42	PAHT			
43	NACE			
44	Inspection / NDT			

F = 100% R.T. of all header seam & nozzle butt welds PLUS 100% U.T. of all attachment welds.  
S = Spot R.T. of 1 long seam & 1 end closure, per header.  
U = 100% UT of all header seam, attachment & nozzle butt welds.

B = 100% R.T. of all nozzle butt welds.  
SB = S PLUS B as each are described above.  
UB = U PLUS B as each are described above.

AIR-SIDE PERFORMANCE		FAN DATA		DRIVER DATA		REDUCER DATA		
45	Ambient Air Temp., In, f	110	No. Fans / Make	2/Moore-CL10K-EC	Type	Electric Motor	Type	V-BELTS/SHEAVES
46	Elevation, ft	3300	Blade Material	ALUMINIUM	Make	BALDOR		
47	Air Flow, SCFM	329,634	HP/FAN @ RPM	30.2 @ 259	HP / SF	40.0 / 1.15		
48	Air Temp., Out, f	141.9	Dia., in / No. Blades	144 / 6	RPM	1800		
49	Min. Ambient, f	20.0	Blade Angle, Deg	10.3 @ Clevis	Enclosure	TEFC-841XL		
50			Series / Blade Adj.	48-HDVE/MAN	Volt/Ph/Hz	460-3-60		
51			Fan Hub Bushing	TAPER	Speed	15PD(VFD COMP)		