

# air-x-changers

Post Office Box 1804  
Tulsa, Oklahoma 74101

Phone (918)266-1850  
Fax (918)266-1322

Job No. 015954

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Purchaser FINNING POWER SYSTEMS/3412TA-455EKW GEN SE

Ref. No. Destination ALBERTA

1 MODEL 72EH

Air-x-changer

## PERFORMANCE

1 Service	EJW	AUX-W
2 Flow	190GPM	30GPM
3 Fluid	50%GLY	50%GLY
4 Temperature in, °F	190.0	150.3
5 Temperature out, °F	167.0	130.0
6 Pressure, PSI		
7 Pressure Drop, PSI	2.1	4.9
8 Heat Load, BTU/HR	2045604	272796
9 True MTID	62.6	31.4
10 Overall Rate	155.4	143.1
11 Fouling Factor	.0005	.0005
12 Tube Surface, Sq. Ft.	208	63
13 Total Surface, Sq. Ft.	3307	1008
14 Sections, No. of	COMBINED	COMBINED
15 Connected	SINGLY	SINGLY
16 No. Passes	2	4
17 Design Temp., °F	300/-20	300/-20
18 Design Press., PSIG	14*	14*
19 Test Press., PSIG	75	75
20 Nozzles	4-150RF	2-150RF
21 Tubes, OD x BWG	5/8X16	5/8X16
22 Material	SA214 STEEL	SA214 STEEL
23 No./Sect., Lgth., Ft.	164, 8	50, 8
24 No. Rows	3	4
25 Flanges	SA105SCH 40	SA105SCH 80
26 Fins. Type	WHEEL	WHEEL
27 Material	AL	AL

28		
29		
30 Headers, Type	BOX	BOX
31 Material	STEEL	STEEL

32 Counterflow  
33 Corrosion Allowance  
34 Grooved Tube Sheet

35 Plugs, Type	SHOULDER	SHOULDER
36 Material	STEEL	STEEL

37 Retarders  
38 Accelerators

39 ASME Code Stamp

40 Total SCFM 45768 Temp. In °F 90 Temp. Out °F 136.2 Elev., Ft. 2500

## MECHANICAL EQUIPMENT - STRUCTURES

41 No. Fans 1 HP/Fan 11.1 RPM 600 Dia. 72 No. Blades 4 Material ALUMINUM Make MOORE-27EDVT  
42 Drive V-BELT BY (1) 15 HP, 1800 RPM, 460/3/60, TEFC, VFD COMP. MOTOR (CSA)

43  
44 Draft Type FORCED No. of Bays Overall Width Length Height  
45 Guards FAN Assembly PACKAGED

46  
47 Est. Shipping Weight 4567 LBS

48 Accessories

49 \*-BUILT TO STANDARD 50# DESIGN; BUT DESIGNATED 14#  
50 TO ELIMINATE NECESSITY OF PROVINCIAL REGISTRATION