



PROPOSAL NO. 190410-A2R0

Date 7/12/2019

Page 1 of 1

Purchaser EXTERRAN

Ultimate User

Inquiry 107716

Destination

No. Units 1

Model:

168-2Z

Reference

12V275GL+@1000RPM / KBZ/4

Assembly:

PACKAGED

Draft:

FORCED

Overall Size (WxLxH), ft:

~16.00x49.00x11.92

Est. Wt., lbs:

62,500

PERFORMANCE

Service	EJW	AUX-W	IC-1	IC-2	AC
Flow	430GPM	365GPM	23.4MMSCFD	23.4MMSCFD	23.2MMSCFD
Fluid	50%GLY	50%GLY	.65SPGR	.6499SPGR	.6429SPGR
Temp. In / Out, f	180.0 / 167.5	156.3 / 130.0	259.0 / 130.0	247.0 / 130.0	250.0 / 110.0
Pressure, psia			218.4	453.0	924.7
Pressure Drop, psi	8.4	7.9	5.4	6.4	6.0
Heat Load, btu/hr	2,495,000	4,288,000	3,597,640	3,345,586	4,184,739
True LMTD, f	32.8	25.8	45.9	45.6	36.5
Overall Rate, U, btu/hr ft ² f	154.1	158.5	75.8	95.2	116.1
Fouling Factor, ft ² hr f / btu	0.0005	0.0005	0.0010	0.0010	0.0010
Surface, Bare / Extended, sq.ft.	563 / 10520	1075 / 23007	1275 / 23844	788 / 14727	1025 / 21937
Sections, No./Connected	(1) COMBINED w/2	(1) COMBINED w/1	(1) SINGLY	(1) SINGLY	(1) SINGLY
Design Temp. (Max / Min), f	300/-20	300/-20	350/-20	350/-20	350/-20
Design / Test Press., psig	150 / 195	150 / 195	280 / 364	560 / 728	1287 / 1674
Pass Arrangement	CROSSFLOW	CROSSFLOW	CROSSFLOW	CROSSFLOW	CROSSFLOW
No. Tube Rows/Tube Passes	4 / 2	4 / 2	5 / 2	4 / 2	4 / 2

Tubes, OD x BWG	1-1/2X16(.060MIN)	1X16(.060MIN)	1-1/2X16(.060MIN)	1-1/2X16(.060MIN)	1X16(.060MIN)
Material	SA214	SA214	SA214	SA214	SA214
No. Per Section / Length, ft	30 / 48	86 / 48	68 / 48	42 / 48	82 / 48

Retarders

Accelerators

Fins, Type	L-TENSION / WHEEL	L-TENSION / WHEEL	L-TENSION / WHEEL	L-TENSION / WHEEL	L-TENSION / WHEEL
Material	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM
Nozzles, Rating/Type	150RF	150RF	300RF	300RF	600RF
Material	SA105	SA105	SA105	SA105	SA105
(No. Inlets) / Size, in	(1) / 6	(1) / 6	(1) / 8	(1) / 6	(1) / 6
(No. Outlets) / Size, in	(1) / 6	(1) / 6	(1) / 8	(1) / 6	(1) / 6
Headers, Type	BOX W/PLUGS	BOX W/PLUGS	BOX W/PLUGS	BOX W/PLUGS	BOX W/PLUGS
Material	SA516 70	SA516 70	SA516 70	SA516 70	SA516 70
Corrosion Allow., in					
Grooved Tubesheet			YES	YES	YES
Plugs, Type	SHOULDER	SHOULDER	SHOULDER	SHOULDER	SHOULDER
Plugs Material	SA105	SA105	SA105	SA105	SA105
Industry Specifications	AXC-STD	AXC-STD	AXC-STD	AXC-STD	AXC-STD
ASME Code Stamp / N.B.			YES	YES	YES
Canadian Registration #					
PWHT					
NACE					

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	
Ambient Air Temp., In, f	100	No. Fans / Make	2 / MOORE-CL10K	Type	ELECTRIC MOTOR	Type	V-BELTS/SHEAVES
Elevation, ft	50	Blade Material	ALUMINUM	Make		Ratio	
Air Flow, SCFM	415,608	HP@RPM	45.09 @ 258	HP / SF	50 / 1.00	Model	
Air Temp., Out, f	139.7	Dia., in / No. Blades	168 / 8	RPM	1500	HP Rating	
		Blade Angle, Deg	6.1 @ Clevis	Enclosure	TEFC	HP SF	
		Series/Blade Adj.	60HD / MANUAL	Volt/Ph/Hz	400-3-50	Fan Sheave Dia., IN	
		Fan Hub Bushing	TAPER	Speed	1-SPD (VFD COMPATIBLE)	Motor Sheave Dia., IN	