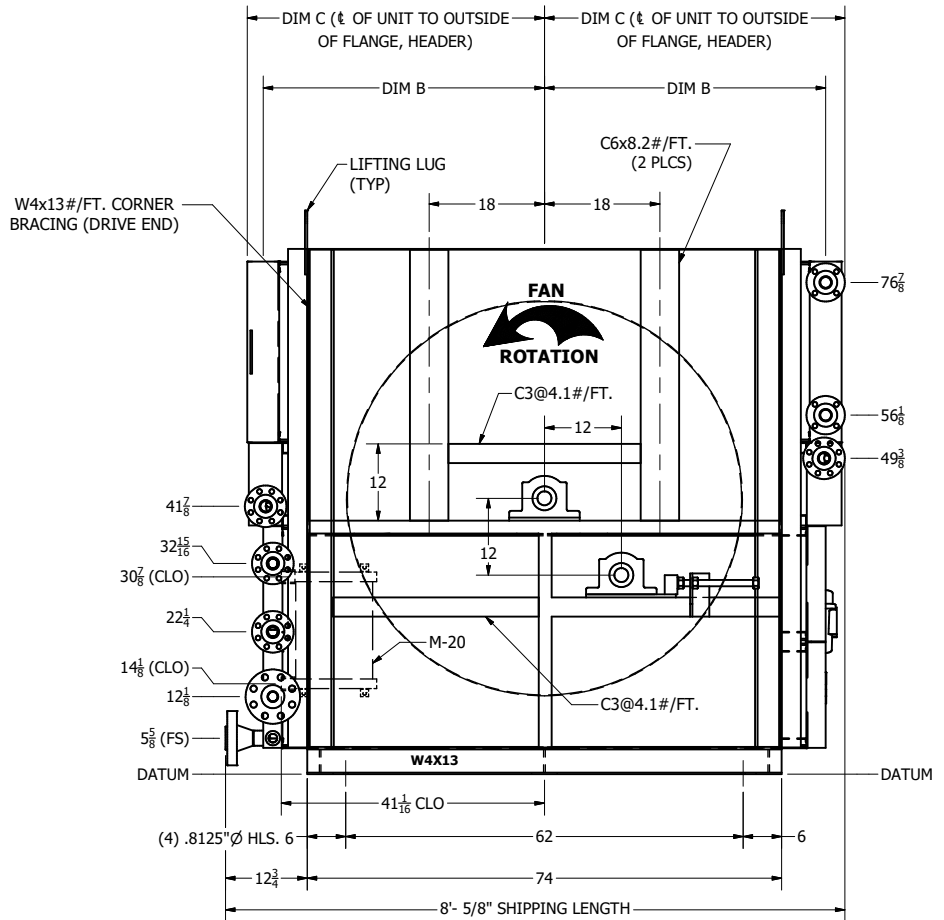
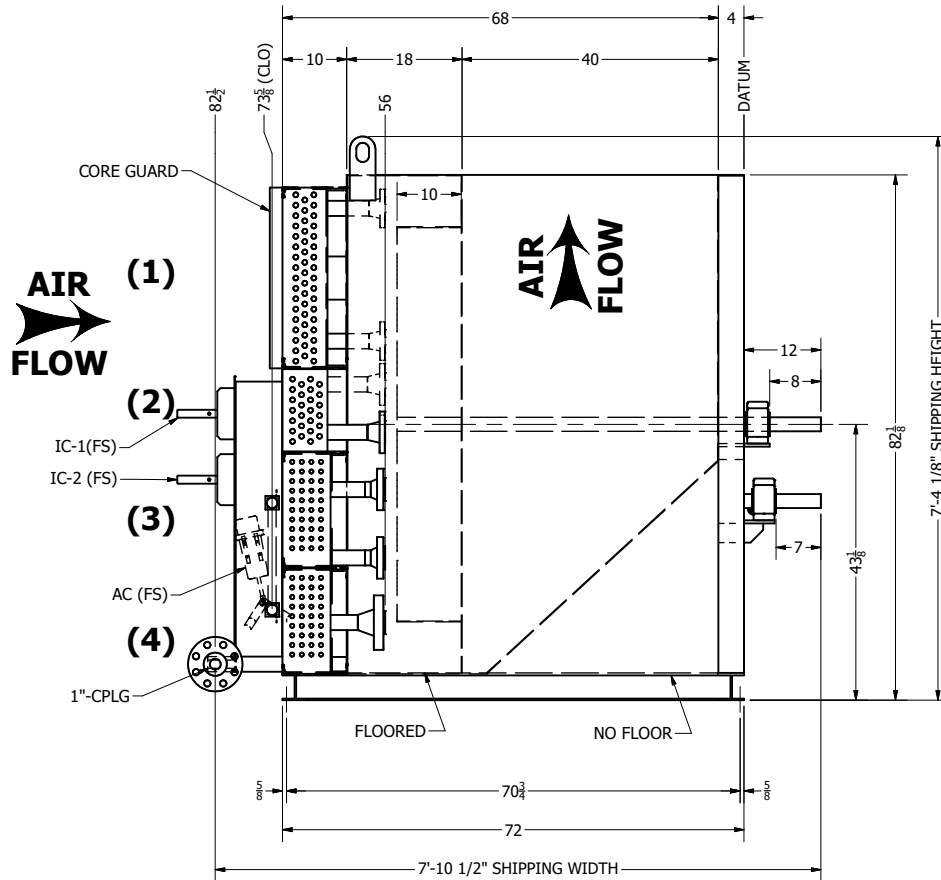


ITEM	SERVICE	MAWP	CODE	INLET	OUTLET	V/D/TEMP	DIM B	DIM C	LOUVERS	BUG SCREEN	DRIVE	FAN	FINISH
1	EJW 11 GALS	150 PSI @ 300/-20° F	NONE	2"-150 RFWN	2"-150 RFWN		43.875	46.875	NONE	NONE	ENGINE DRIVE SHEAVES, BELTS, & GUARDS BY OTHERS Ø2.1875" IDLER SHAFT W/.5 X .25 KWT Ø2.1875" FAN DRIVE SHAFT W/.5 X .25 KWT	60" Ø MOORE-10K S24 VT HD 3- BLADE 11° PA. LH ROTATION 760 RPM @ 8.9 HP REQ'D Ø2.1875" BORE WITH .5 x .25 KWT.	STRUCTURE STD PRIMER W/ WARM GRAY ENAMEL TOP COAT CORE GUARD GALVANIZED
2	IC-1	645 PSI @ 350/-20° F	ASME	2"-300 RFWN	2"-300 RFWN		43.625	46.875	MANUAL				
3	IC-2	1287 PSI @ 350/-20° F	ASME	2"-600 RFWN	2"-600 RFWN		42.375	45.625	MANUAL				
4	AC	1800 PSI @ 350/-20° F	ASME	2"-900 RFWN	2"-900 RFWN	1"-6000#	42.375	46.625	AUTO				
5	CLO (M-20)	300 PSI @ 350° F	NONE	1"-CPLG	1"-CPLG				NONE				



RELEASED
FABRICATION OF THIS ORDER HAS BEGUN

* NOTE: Please be aware that if any changes are made they may result in additional manufacturing and engineering costs and may also adversely impact the current scheduled shipping date. * NOTE:

2	ROTATED W4 AT CORNERS 90° FOR MANUFACTURING	DC	JS	10/4/2018
1	REVISED PER CUSTOMER REQUEST & RELEASED	DC	JS	9/26/2018
REV	DESCRIPTION	BY	CK	DATE

FOR:	MCCLEUNG ENERGY SERVICES
P.O. #:	0019303-00
CUST. TAG #:	PIN 990010016
USER:	UNKNOWN
DOB SITE:	UNKNOWN
JOB #:	189333
DR:	D. Caldwell
DATE:	9/17/2018
DATE:	9/18/2018

ESTIMATED DRY WEIGHT	4,600 #
AXH air-coolers	
CERTIFIED DRAWING FOR:	QUANTITY: 20
MODEL 60VI	
SIZE	DWG NO
189333-CRT	2
SCALE	DATE
FULL	9/17/2018
SHEET 1	OF 1



401 E. Lowry Road Phone (918) 283-9200
Claremore, OK 74017 Fax (918) 283-9229
info@axh.com www.axh.com

Proposal / Job No. 189333
Date 9/10/2018
Page 1 OF 1

1	Purchaser	MCCLUNG	ACE J54-7 REPLACEMENT	Ultimate User
2	Inquiry / PO#	G3306BNA JGQ/2 - 3 STAGE		Destination
3	# Units	1	Model 60VI	Reference G3306BNA JGQ/2 - 3 STAGE
4	Assembly	PACKAGED	Draft INDUCED	Overall Size (WxL), Ft Est Wt 4447 LBS

THERMAL & MECHANICAL DESIGN

5	Service	EJW	IC-1	IC-2	AC
6	Flow	45GPM	.75MMSCFD	1.21MMSCFD	.81MMSCFD
7	Fluid	50%GLY	.65SPGR	.65SPGR	.65SPGR
8	Temp. In / Out, °F	190.0 / 165.5	264.0 / 130.0	254.0 / 130.0	254.0 / 120.0
9	Pressure, PSI		203PSIG	707PSIG	810PSIG
10	Pressure Drop, PSI	2.9	3.2	3.5	1.7
11	Heat Load, BTU/HR	515520	119968	190022	139186
12	True LMTD	50.6	56.6	58.1	50.3
13	Overall Rate, U	153.8	68.1	88.6	80.1
14	Fouling Factor	.0005	.0020	.0020	.0020
15	Surface, Tube / Total, Sq Ft	66 / 987	34 / 513	42 / 667	38 / 597
16	Sections, #	(1)	(1)	(1)	(1)
17	Design Temp, °F Max / Min	300 / -20	350 / -20	350 / -20	350 / -20
18	MWP / Test Press, PSIG	150 / 75	645 / 839	1287 / 1674	1800 / 2340
19	Pass Arrangement	CROSSFLOW	CROSSFLOW	COUNTERFLOW	COUNTERFLOW
20	# Tube Rows	3	4	4	4
21	# Tube Passes	4	3	4	4
22	Tubes, OD x BWG	3/4X16	3/4X16	5/8X16	5/8X16
23	Material	SA214 STEEL	SA214 STEEL	SA214 STEEL	SA214 STEEL
24	# Per Section / Length, Ft	50 / 7	26 / 7	40 / 7	36 / 7
25	Turbulators				
26	Accelerators		.250		
27	Fins, Type	HI-EFF	HI-EFF	HI-EFF	HI-EFF
28	Material	AL	AL	AL	AL
29	Nozzles, Rating / Type	150RF	300RF	600RF	900RF
30	Material	SA105	SA105	SA105	SA105
31	# Inlets / Size In	(1) 2	(1) 2	(1) 2	(1) 2
32	# Outlets / Size In	(1) 2	(1) 2	(1) 2	(1) 2
33	Headers, Type	REC TUBE	SLAB	SLAB	SLAB
34	Material	A500	SA516-70N	SA516-70N	SA516-70N
35	Corrosion Allow, In				
36	Grooved Tubesheet	SGL	DBL	DBL	DBL
37	Plugs, Type	SHOULDER	SHOULDER	SHOULDER	SHOULDER
38	Plugs Material	STEEL	A105 STEEL	A105 STEEL	A105 STEEL
39	PWHT				
40	ASME Code & Nat'l Board		YES	YES	YES
41	CRN				
42	Add'l Specs & Options				
43	API				
44	Louvers / Hail Screen	CORE GD	MANUAL	MANUAL	AUTO

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	STRUCTURAL
46	Ambient Air Temp, In °F	105	Fan(s) (1) MOORE10000VT-24	Type	Guards
47	Elevation, Ft	1500	Blade Material ALUMINUM	V-BELT BY OTHERS	
48	Air Flow, SCFM	26,479	HP / Fan 8.9		
49	Outlet Air Temp, °F	138.1	Dia, In / # Blades 60 / 3		
50	Min Air Temp, °F	-20	RPM 760		
51			Tipspeed, FPM 11938		
52	Est. Noise Data: dBA @1m, dBA @ 15m		Pitch, Deg 11		

Additional Info.

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