

# Cooler Service Company Inc.

P.O. Box 581928 Tulsa, OK 74158-1928  
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AIR COOLED EXCHANGER  
 SPECIFICATION SHEET

# CSCI

Date: 5/27/2016  
 Prop/Job #: 15316

Customer:	Gregory Gas Processing Equipment, LLC	CSC Contact:	Kevin Lefler
Reference:	Gas Cooler [REDACTED]	Qty per Spec Sheet:	1
Model:	H84 Forced	Location:	[REDACTED]

### TUBE SIDE PERFORMANCE

Service	AC
Fluid	Nat. Gas
GPM/MMSCFD	6.0
SG (Gas MW)	0.57 (16.53)
Temperature In	450.
Temperature Out	110.
Pressure In-psia	764.
Pressure Drop	2.12
Duty-1000 BTU/HR	2,385.5
MTD	87.14
Overall Rate	3.1
Fouling Factor	0.001
External Surface (Bare), ft^2	8704(359)
Sections-Qty	1
No. passes	4
Crossflow	NO
No. rows	4
Design Temp.	450
Design Press.	950
Test Pres.	1235
Nozzles (In/Out)	1-3."/1-3."-600#RF
Tubes, OD	0.75
Wall	0.083 MW
Material	SA-214
Qty/Section	186
Length-ft	10
Fins	Embedded Aluminum
Turbulators	
Header Type	Split Plug Box
Material	SA-516 70
Corrosion	
ASME stamp	Yes
Plug Type	SHLD

### AIR SIDE PERFORMANCE

Air Side	Ambient	100	Elevation	56
Temp-in	100			
Total SCFM	58,573			
Temp-out	138			

### MECHANICAL EQUIPMENT

Mechanical Equipment	No. Fans/Motors/Drives		1	
Fan dia.	7	Motor	Siemens or Equal	Reducer
Blades	4	Type	460/3/60	V-Belt
RPM	514	Speed	1750	
HP/Fan	10.1	HP	15	Min. Shaft Diameter, in.
				1.6875

Notes:  
 Coil Volumes: AC=44 gal.  
 Includes auto louvers w/ Durastroke 1000 actuator

Estimated Plot size	Length, ft.:	11	Width, ft.:	7.8	Height, ft.:	10.1	Weight:	7260
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