

# TIGER INDUSTRIES, INC.

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Reference # 171260

March 12, 2018

**Attn:**

**Ref: Horizontal Air-Cooled Heat Exchanger on for Cooling 740 GPM of Water from 105°F to Less Than 87°F at an Ambient Temperature of 65°F and an Operating Pressure of 45 PSIG.**

Dear Sir:

Tiger Industries, Inc., is a fabrication company that is authorized to use the R Symbol in accordance with the provisions of the National Board. We supply new and reconditioned air cooled, shell and tube heat exchangers and vessels for sale and lease. In addition, Tiger provides refurbishment, repair, and modification of client's existing inventory. We are pleased to propose the following.

## Air Cooled Heat Exchanger

1. Tube Materials	: SA-214 Carbon Steel	11. Nozzle, Inlet	: 8" 900 # RF (Top)
2. Header Materials	: SA 516-70 Carbon Steel	12. Nozzle, Outlet	: 8" 900 # RF (Bottom)
3. Design Press / Temp	: 1,350 PSIG / 200°F	13. Rows / Passes	: 5 / 1
4. # of Tubes / Length	: 336 / 40 Ft. (2 Bundles)	14. Fan / Diameter	: 2 @ 13 Ft.
5. Tube Size / Wall	: 1" / 14 BWG	15. Motors	: 2 @ 40 Hp.
6. FOD / FPI / Pitch	: 2-1/4" / 10 / 2-3/8"	16. Vibration Switch	: (2) Murphy VS2EX
7. Surface Bare/Ext.	: 3,305 / 71,101 Ft <sup>2</sup>	17. Louvers	: Automatic
8. Manufacturer	: Cooling Products	18. Weight	: 50,000 lbs. (estimated)
9. Code Stamp/Serial #	: ASME / 3483-2 & 3483-3	19. Dimensions	: 14'-6" W x 44' L x 14' H
10. EXW	: Tiger Industries' Shop	20. Skid Dims.	: 14'-10" W x 42' L x 1'-1" H

**Note: The bundle will be hydro-tested with a chart recording according to ASME code. New bearings, shafts, and explosion proof (460V/3P/60Hz) motors will be installed and the motors and fans test run.**

### Trucking Dims:

Base w/o Skid: 14'-6" W x 41'-4" L x 9'-11" H (14' H with 4'-1" Extended Legs)

Overall w/o Skid: 14'-6" W x 44' L x 9'-11" H (14' H with 4'-1" Extended Legs)

Base w/ Skid: 14'-10" W x 42' L x 11' H (15'-1" H with 4'-1" Extended Legs)

Overall w/ Skid: 14'-10" W x 44' L x 11' H (15'-1" H with 4'-1" Extended Legs)