

# OIL & FUEL COOLERS

## Info for Performance Calculations

1. Heat Rejection.....\_\_\_\_\_BTU/Min
2. Ambient Air Temperature.....\_\_\_\_\_°F
3. Oil or Fuel Type and SAE Grade.....\_\_\_\_\_
4. Hot Fluid Temperature.....\_\_\_\_\_°F
5. Hot Fluid Flow Rate.....\_\_\_\_\_GPM or lbm/s
6. Number of Hot Fluid Passes Through Core \_\_\_\_\_
7. Hot Fluid Inlet or Operating Pressure.....\_\_\_\_\_PSI
8. Cold Fluid or Air Flow.....\_\_\_\_\_CFM or lbm/s
9. Maximum Oil/Fuel Pressure Drop.....\_\_\_\_\_PSI
10. Maximum Static (Air side) pressure drop...\_\_\_\_\_PSI (in. H2O)
11. Envelope Size: Height (header to header distance):\_\_\_\_\_in
12. Envelope Size: Width (side to side):.....\_\_\_\_\_in
13. Envelope Size: Depth (Tube width):.....\_\_\_\_\_in

## Info for Design

1. Inlet Size:\_\_\_\_\_ Outlet Size:\_\_\_\_\_ Fitting Type:\_\_\_\_\_
2. Area Available for Air Flow: Height:\_\_\_\_\_ Width:\_\_\_\_\_
3. By-pass Valve: yes ( ) no ( )
4. Hot Fluid Outlet Temperature.....\_\_\_\_\_°F
5. Mounting Brackets: yes ( ) no ( )
6. Any other parts you would like on the radiator? \_\_\_\_\_  
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