Air Cooled Liquid Cooler Application Request:
For AOCSH Series

Email form to: sales@aihti.com or engineering@aihti.com or fax to 434-757-1810

Contact Name ________________________________ Telephone ________________________________ Date __________

Company Name ________________________________ Email ________________________________

Address: ______________________________________ Fax ________________________________

______________________________

Hot Side

Fluid Type __________

Density __________ lb/ft³
Viscosity __________ cP

If available:
Thermal Conductivity __________ Btu/hr.°F
Specific Heat __________ Btu/lb.°F

1. Flow Rate ____________
2. Temperature In ____________
3. Desired Temperature Out ____________
4. Heat Load ____________

Cold Side

Ambient Air ____________
Altitude ____________

1. Operating Pressure ____________
2. Allowable Pressure Drop ____________

3. Desired Temperature Out ____________

ASME Code and Certified Yes ☐ No ☐

To properly size the heat exchanger we need 3 of the 4 parameters on the Hot Side.

Cabinet Material:
Standard : Steel ☐
Galvanized Steel ☐
Stainless Steel ☐

Options: Standard Enameled Gray Paint ☐
Options: Epoxy Paint ☐

Tubing Material:
Standard : Copper ☐
Stainless Steel ☐
90/10 Copper Nickel ☐

Options: Standard Aluminum ☐
Options: Copper ☐
Optional Coating: Heresite ☐

Motor
60Hz: 230/460 Volt, 3 Phase ☐
115/230 Volt, 1 Phase ☐
575 Volt, 3 Phase ☐

50Hz: 230/400 Volt, 3 Phase ☐
110/220 Volt, 1 Phase ☐

Hydraulic Motor ☐

Comment: ____________________________________________

Heresite
Epoxy Paint

options: Galvanized Steel ☐
Stainless Steel ☐
Standard Enameled Gray Paint ☐
Epoxy Paint ☐

Coating

Website: www.aihti.com
General email: sales@aihti.com
Technical email: engineering@aihti.com

AIR COOLED

LIQUID COOLERS

- Severe duty construction with OSHA guard.
- Serviceable Core®.
- Thermal capacity to 1,400 hp (1,043 Kw).
- Operating temperature of 300°F at 200 PSI.
- Electric, hydraulic, or external drive.
- Optional: built-in bypass valve.
- Can be customized to fit any applications.

- Field changeable drive from electric to hydraulic.
- Cools: Fluid power systems, rock crushers, conveyors, shredders, lubrication equipment for paper machinery, gear drives, offshore drilling equipment, etc.
AOCSH Series dimensions with electric / hydraulic drive

### AOCSh - 1005 through AOCSh - 4030

**DIMENSIONS (inches)**

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<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
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*Represents the option for motor drive.

**Note:** AIHTI reserves the right to make reasonable design changes without notice.
1. The AOCSH series construction materials are identical to AOCS series, (See page 189)
2. AOCSH electric motors and hydraulic motors are identical to AOCS Series (See page 193, 195)
3. Will provide a detailed drawing of the unit upon receiving an order
4. The overall height of the heat exchanger (C dimension) can change to meet any application

Example of a model:

AOCSH - 1505 - 3 - S - R65 - 2P -

COMMON DATA

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<th>Model</th>
<th>CFM</th>
<th>m³/s</th>
<th>Sound Level dB(A) @ 15ft</th>
<th>Air Flow</th>
<th>Liquid Volume gal</th>
<th>Liquid Volume cm³</th>
<th>Weight Electric lb</th>
<th>Weight Electric kg</th>
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Accessories for Air / Liquid Application
For detailed information and part number see Page 274

Electrical Temperature controller with Bulb Well Assembly (for Air / Liquid Coolers)

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<td>310-4002</td>
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“3-Way” Thermostatic Valve
For detailed information and model selection see page 275