



## Air Cooled Liquid Cooler Application Request:

For AOCHL - AOCHLM 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

### Cold Side

Fluid Type \_\_\_\_\_

Ambient Air \_\_\_\_\_

Density \_\_\_\_\_ lb/ft3

Altitude \_\_\_\_\_

Viscosity \_\_\_\_\_ cP

If available:

Thermal Conductivity \_\_\_\_\_ Btu/hr.ft.°F

Specific Heat \_\_\_\_\_ Btu/lb.°F

1. Flow Rate \_\_\_\_\_

1. Operating Pressure \_\_\_\_\_

2. Temperature In \_\_\_\_\_

2. Allowable Pressure Drop \_\_\_\_\_

3. Desired Temperature Out \_\_\_\_\_

4. Heat Load \_\_\_\_\_

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:

#### Tubing Material:

Standard : Copper

90/10 Copper Nickel

Stainless Steel

Options:

#### Motor

60Hz: 230/460 Volt, 3 Phase

115/230 Volt, 1 Phase

575 Volt, 3 Phase

#### Coating

Standard Enamaled  
 Gray Paint

Options: Epoxy Paint

#### Fins

Standard Aluminum

Options: Copper

Optional Coating: Heresite

50Hz 230/400 Volt, 3 Phase

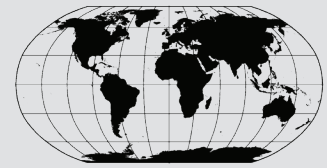
110/220 Volt, 1 Phase

Hydraulic Motor

Comment: \_\_\_\_\_

# **American Industrial Heat Transfer Inc.**

**Manufacturer of Quality Heat Exchangers**



[www.aihti.com](http://www.aihti.com)

**AOCHL & AOCHLM SERIES**



**AIR COOLED**

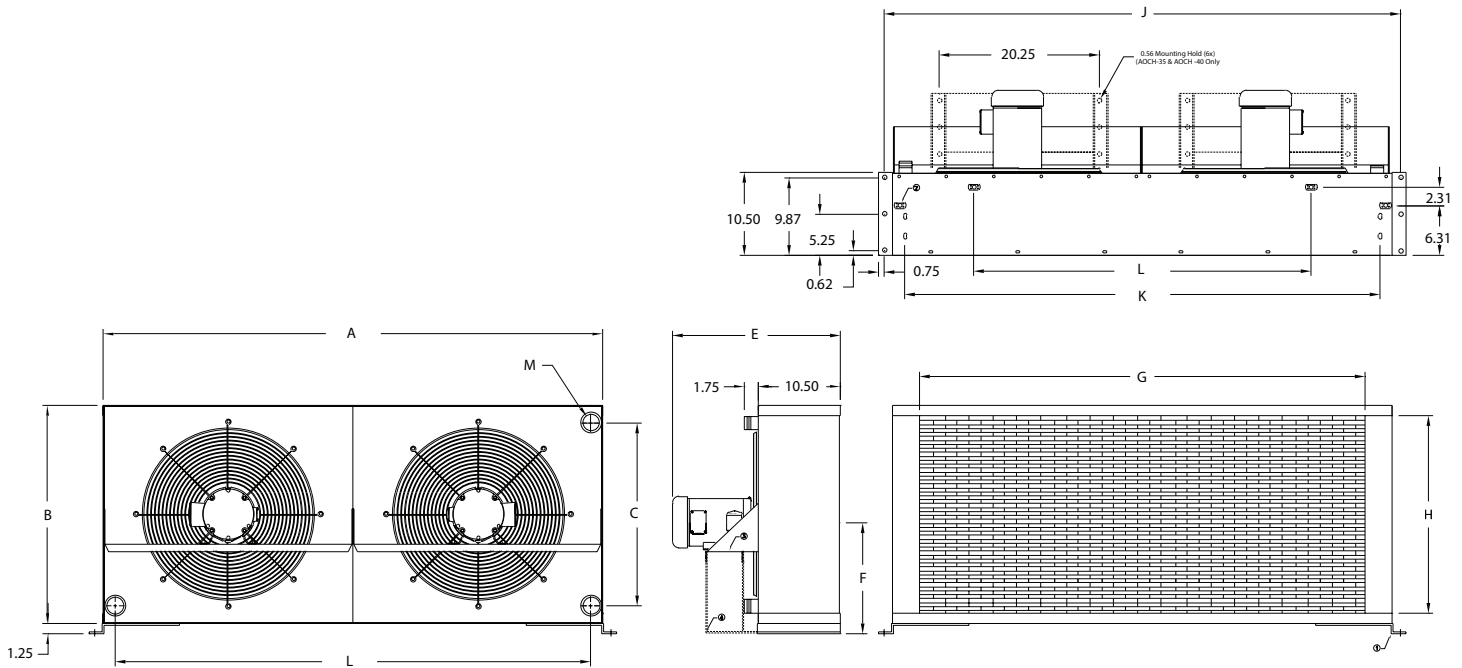
## **LIQUID COOLERS**

- Severe duty construction with OSHA guard.
- Serviceable Core®.
- Thermal capacity to 250 hp (186 Kw).
- Operating temperature of 300°F at 300 PSI.
- Electric, hydraulic, or external drive.
- Optional: built-in bypass valve.
- Can be customized to fit any applications.
- Computer generated data sheet available for any application
- 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.

note: AIHTI reserves the right to make reasonable design changes without notice.

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# AOCHL Series *dimensions*



DIMENSIONS (inches)													
Model	A	B	C	D	E	F	G	H	J	K	L	M NPT	M SAE
AOCHL - 5 -*	29.62	11.81	7.69	23.38	19.39	5.90	16.62	9.19	33.62	25.88	—	1.50	24 SAE
AOCHL - 10 -*	38.00	13.13	8.88	31.76	19.48	6.56	25.00	10.50	42.00	34.26	—	1.50	1 7/8
AOCHL - 15 -*	40.76	15.75	11.50	34.50	19.48	7.88	27.76	13.12	44.76	37.00	—	1.50	-12UN-2B Thread
AOCHL - 20 -*	47.62	18.38	14.00	41.12	19.48	9.19	34.38	15.75	51.62	43.62	—	2.00	
AOCHL - 25 -*	53.36	23.63	19.25	47.12	23.58	11.81	40.38	21.00	57.36	49.62	—	2.00	32 SAE
AOCHL - 30 -*	63.23	27.56	23.19	57.00	23.33	13.78	50.26	24.94	67.26	59.50	22.00	2.00	2 1/2
AOCHL - 35 -*	67.62	30.19	25.81	61.38	23.06	15.09	54.62	27.56	71.62	63.88	22.00	2.00	-12UN-2B Thread
AOCHL - 40 -*	83.26	36.75	32.38	77.00	23.06	18.38	70.26	34.12	87.26	79.50	26.50	2.00	

\* Represents options.

- 1) All electric and hydraulic motor data are identical to AOCH series and AOCHM series (see page 175, 177) except there are two separate motors
- 2) The piping hookup would be identical to AOCH (see page 178)
- 3) The construction and material are identical to AOCH Series (see page 171)

**Notes:**

- 1) Removable foot mounting brackets are supplied with unit at no additional charge.
- 2) 1/2-12 UNC-2B Tabs, 4 points, 8 points on models AOCHL - 30,35 & 40 (top & bottom) for optional mounting purposes.
- 3) Motor mounting bracket is rotated 90 degrees on

AOCHL - 5 & 10 units.

- 4) Dotted line represents motor mounting bracket on AOCHL-35 & 40.
- 6) All units are available with an optional preset 30 or 65-psi pressure internal bypass valve. (see note "i" on page 179)
- 7) All units can be connected in one or Two Pass configuration. Refer to piping instructions for detailed operating and maintenance information (see page 178).

**Example of a model:**

