



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

Cold Side

Fluid Type _____	Ambient Air _____
Density _____ lb/ft ³	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 _____	ASME Code and Certified Yes <input type="checkbox"/> No <input type="checkbox"/>
4. Heat Load _____	

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

Cabinet Material:	Tubing Material:	Motor
Standard : Steel <input type="checkbox"/>	Standard : Copper <input type="checkbox"/>	60Hz: 230/460 Volt, 3 Phase <input type="checkbox"/>
Options: Galvanized Steel <input type="checkbox"/>	Options: Stainless Steel <input type="checkbox"/>	115/230 Volt, 1 Phase <input type="checkbox"/>
Options: Stainless Steel <input type="checkbox"/>	Options: 90/10 Copper Nickel <input type="checkbox"/>	575 Volt, 3 Phase <input type="checkbox"/>
Coating	Fins	50Hz: 230/400 Volt, 3 Phase <input type="checkbox"/>
Standard Enameled Gray Paint <input type="checkbox"/>	Standard Aluminum <input type="checkbox"/>	110/220 Volt, 1 Phase <input type="checkbox"/>
Options: Epoxy Paint <input type="checkbox"/>	Options: Copper <input type="checkbox"/>	Hydraulic Motor <input type="checkbox"/>
	Optional Coating: Heresite <input type="checkbox"/>	

Comment: _____

AOC SH SERIES



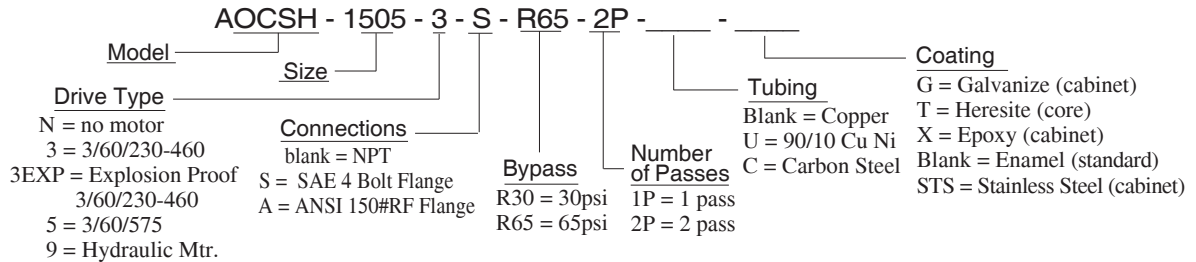
AIR COOLED

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.

1. The AOC SH series construction materials are identical to AOC S series, (See page 189)
2. AOC SH electric motors and hydraulic motors are identical to AOC S 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:



COMMON DATA

Model	Air Flow		Sound Level dB(A) @ 13ft	Liquid Volume		Weight Electric		Weight Hydraulic		Serviceable Core™
	CFM	m³/s		gal.	cm³	lb	kg	lb	kg	
AOC SH-201 -*	3000	1.41	77	1.7	6435	200	91	185	84	Yes
AOC SH-303 -*	4380	2.07	82	3.8	14383	310	141	260	118	Yes
AOC SH-453 -*	5920	2.79	78	4.8	18168	490	222	410	186	Yes
AOC SH-603 -*	8750	4.13	80	6.1	23089	580	263	490	222	Yes
AOC SH-1005-*	12650	5.97	84	7.7	29145	690	313	575	261	Yes
AOC SH-1505-*	16150	7.65	87	10.4	39364	910	413	1025	465	Yes
AOC SH-2010-*	23350	11.73	92	22.8	86298	1280	580	1062	482	Yes
AOC SH-2515-*	32000	15.00	95	27.5	104088	1610	730	1320	598	Yes
AOC SH-3120-*	39000	18.40	99	31.9	120742	1810	821	1483	673	Yes
AOC SH-3525-*	46000	21.71	99	47.0	177895	1980	898	1622	736	Yes
AOC SH-4030-*	54000	25.48	99	47.0	185466	2150	975	1762	799	Yes

Accessories for Air / Liquid Application

For detailed information and part number see Page 269

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

Part Number	Description
310-4001	TC-511 with 5-Foot Capillary Tube & Bulb Well
310-4002	TC-511 with 20-Foot Capillary Tube & Bulb Well
310-2005	Replacement Bulb Well TC-511



“3-Way” Thermostatic Valve

For detailed information and model selection see page 270



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