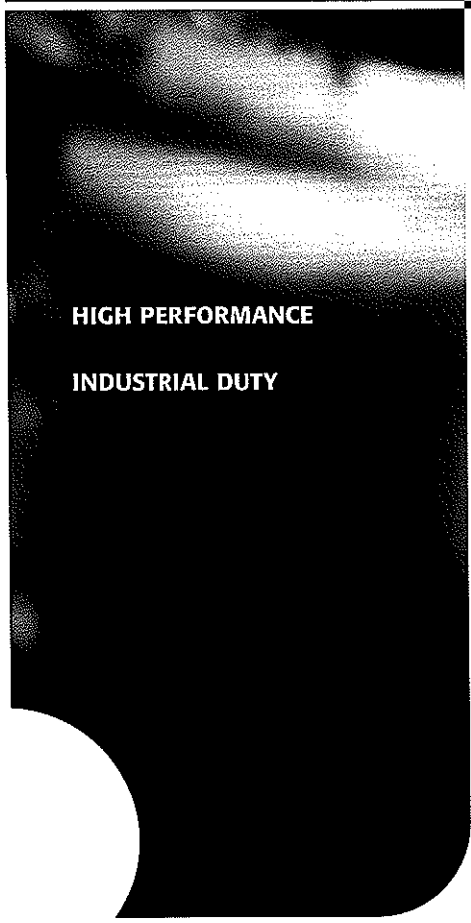
AIR COOLED INDUSTRIAL/AOL SERIES



HIGH PERFORMANCE

INDUSTRIAL DUTY

- Compact All Aluminum Core Assembly
- Ideal for converting water cooled equipment to air cooled
- Eliminates high water and sewer costs.
- Eliminates corrosion problems associated with water cooled units.
- Vertical Air Flow Works Well for Heat Recovery
- State-of-the-art heat transfer technology
- Hydraulic Motors Available
- Optional SAE Ports
- Marine Corrosion Control Coatings Available

MATERIALS

Legs - Steel with baked enamel finish
Shroud - Steel
Core - Aluminum
Fan - Aluminum Hub, Plastic Blades
Motor - TEFC

RATINGS

Maximum operating pressure - 250 psi
Maximum operating temperature - 350°F

HOW TO ORDER

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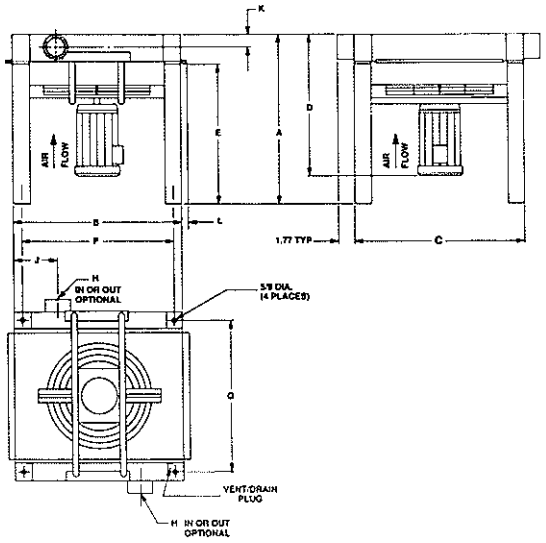
MODEL SERIES		**MODEL SIZE SELECTED**		**MOTOR CODE**		**CONNECTION TYPE**
AOL - STANDARD				0 - NO MOTOR 2 - SINGLE PHASE 3 - THREE PHASE		BLANK - NPT S - SAE

DIMENSIONS



NOTES

1. A three-way thermostatic valve is recommended to bypass the cold oil around the heat exchanger during start up.
2. Support piping as needed. Flexible connectors must be properly installed to validate warranty.
3. Cooler not to be operated in ambient temperatures below 35°F (1°C).
4. The fan cannot be cycled.
5. AOL coolers operated outdoors must be protected from weather. Consult factory for recommendations.
6. If ductwork or additional static resistance is added to the cooler airstream, an auxiliary air mover may be required.
7. Can be mounted for horizontal air flow, with oil in at bottom port.

Model	A	B	C	D Approx.	E	F	G	H NPT	H SAE	J	K	L	Net Weight Lbs.	Shipping Weight Lbs.
AOL-400	34.20	17.96	22.69	20.86	30.00	13.96	18.69	2.00	#32 SAE 2 1/2-12 UN-2B	5.93	1.85	1.25	109	148
AOL-725		22.37	30.57			18.37	26.57			5.88			151	170
AOL-950	36.01	26.78	37.25	23.62		22.78	33.25			6.82	2.76		221	300
AOL-1200			41.20	25.51			37.20			6.00			296	430
AOL-1600		34.89		27.51		30.89		2.50	2 1/2" SAE 4 Bolt FLG.	8.00			355	515
AOL-2000		37.88	51.05	26.25		33.88	47.05						482	582
AOL-2500		43.70	49.08	28.51		39.70	45.08	3.00	3" SAE 4 Bolt FLG.				555	655
AOL-3000		52.52	51.05	30.51		48.52	47.05						724	825
AOL-3500		56.30				52.30							760	860

Note: We reserve the right to make reasonable design changes without notice. All dimensions are in inches.

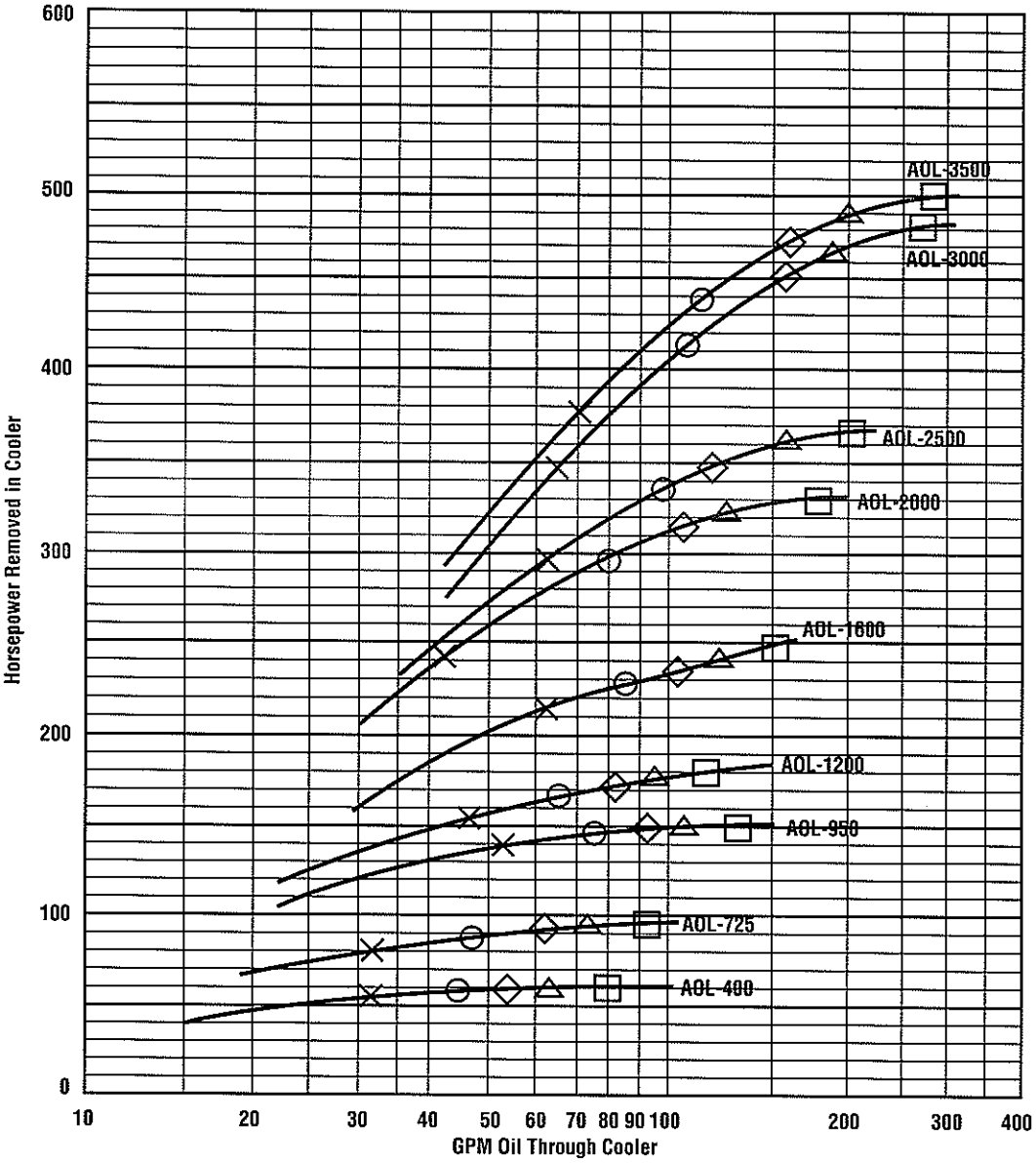
ELECTRIC MOTOR & FAN DATA[1]

All motors shown are TEFC–Other motor options available upon request.

Model	Fan CFM	Motor H.P.	Voltage	Phase	Full Load Amps 230V	Hz	RPM	Nema Frame	Thermal Overload
AOL-400	2200 1825/2200	1.0	115/208-230 208-230/460[3]	1 3	6.0 3.6/3.2	60[2] 50/60	3450 2850/3450	56C	No
AOL-725	3600 3000/3600	1.5	115/208-230 208-230/460[4]	1 3	8.5 4.8/4.2	60[2] 50/60	3450 2850/3450		
AOL-950	4700		115/208-230 208-230/460	1 3	8.6 4.6	60[2]	1740	145TC	
AOL-1200	7000	5.0	230	1	23.00			184TC	
		3.0	208-230/460	3	8.8			182TC	
AOL-1600	9700	5.0	208-230/460		13.4			184TC	
AOL-2000	11000	7.5	230/460		19.6			213TC	
AOL-2500	14000								
AOL-3000	17500	10.0			24.8			215TC	
AOL-3500									

[1]Published electrical ratings are approximate, and may vary because of motor brand. Actual ratings are on motor nameplate.
[2]May also be operated at 50 hz. Consult factory for details. [3]50 Hz voltage: 190-200-208-220/380-400-415-440 [4]50 Hz voltage: 190-208/380-41

PERFORMANCE CURVES



SIZING NOTES

1. Above curves based on 100°F E.T.D. or Entering Temperature Difference (ETD = Entering oil temperature minus ambient air temperature). SAE #10 oil @ 200°F.
2. Oil pressure drop coding: x = 5 PSI; ○=10 PSI; ◇=15 PSI; △=20 PSI; □=30 PSI.
3. E.T.D. temperature correction formula:

$$HP_{Curve} = HP_{To\ Be\ Removed} \times \frac{100}{Desired\ ETD}$$

MAINTENANCE

Periodic cleaning of the fins with compressed air is needed to remove the accumulation of dirt and dust. If the inside of the tubes need to be cleaned of oil and carbon, use a chlorinated solvent. Do not use strong solvents. Do not use acids or caustic cleaners.