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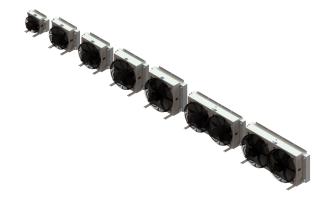


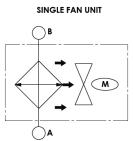
## THE NEXT GENERATION OF COOL

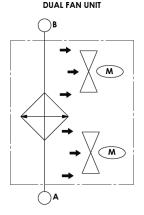


### COOLING THAT GETS THE JOB DONE

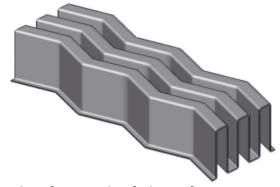
For process equipment, you need a cooler that can keep pace with your operation. Ready to handle the heat, the new industrial oil cooler series is designed to keep pace with pressure and airflow cooling needs. And like all IEA heat exchangers, they come in a variety of sizes that can be customized to fit your needs.







### SERIES HIGHLIGHTS



High-performance, low-fouling air fin

- Designed for hydraulic oil or auxiliary cooling
- Rated flows up to 80 GPM
- Pressure rating up to 300 PSI
- Non-louvered low-fouling air fin
- All SAE ORB ports
- Aluminum bar and plate construction
- Suction or blower fan available
- Great as stand alone fuel cooler

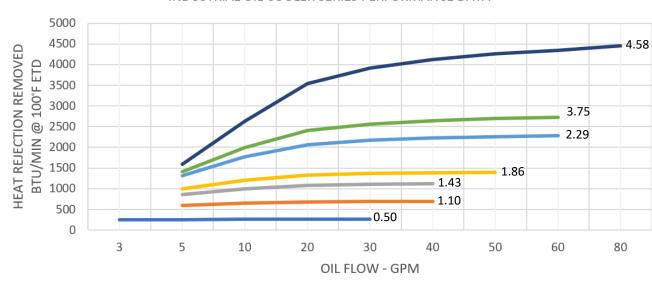




# READY TO GET STARTED?

The performance curves are based on the use of ISO VG46 oil and 100°F Entering Temperature Difference (ETD)

INDUSTRIAL OIL COOLER SERIES PERFORMANCE DATA



STEP 1:

Determine heat load—typical application - size cooler for 1/3 of input heat load

**HP X 42.41 = BTU/MIN** 

STEP 2:

Determine actual ETD desired

ETD = Entering Oil Temperature (°F) - Entering Air Temperature (°F)

- The entering oil temperature is generally the maximum desired system oil temperature. ( $\sim 180-200^{\circ}F$ )
- The entering air temperature is the highest anticipated ambient air temp, plus any pre-heating of the air prior to entering the cooler: Very important if air is drawn from engine compartment, etc.

STEP 3:

Calculate the adjusted BTU/MIN for selection

BTU/MIN Heat Load X (100/Desired ETD) = BTU/MIN for use with chart above

STEP 4:

Select the model size from the curves

Select your oil flow rate from the bottom and find required heat rejection from Step 3.

Select the model size that is on or above this point to meet these conditions.

### SELECTING YOUR COOLER

If one of your standard models is right for your application, we can get it to you in as little as a week. And with our in-house manufacturing and assembly, even custom coolers are ready when you need them.

#### **SPECIFICATIONS**

								_
Model	Fan	Motor	Approx Noise	Number	C	urrent A	1	
Size Sa Et	Diameter (mm)	Voltage (AC)	level dB(A) @1 m	of Fans	115	230	230	
512c, 5q. 1 t.	Diameter (min)	voltage (/te/	iever ab(//) @ 1 iii	0114115	1ø	1ø	3ø	
0.50	200	115 or 230	64	1	0.58	0.35	0.80	
1.10	300	115 or 230	60	1	1.32	0.70	0.45	
1.43	350	115 or 230	61	1	2.20	1.20	0.82	
1.86	400	115 or 230	64	1	2.90	1.65	1.30	
2.29	450	115 or 230	72	1	2.40	3.30	1.80	
3.75	400	115 or 230	64	2	2.90	1.65	1.30	
4.58	450	115 or 230	72	2	2.40	3.30	1.80	

### **CUSTOM ORDERING**

Create your own model code by choosing from our list of customization options.

1. MODEL SERIES	2. MODEL SIZE							
X OCHV	Tell us what size you need: sq. ft.							
<u>3. AC FAN</u>		4. TEMP SWITCH						
Select from: Suction (Standard)		Select from:						
115VAC:	□ - 1151B	☐ Blank — No Switch						
230VAC:	□ - 2301B	☐ <b>TS120</b> — 120° F						
230VAC 3ø: 🗌 - <b>2303</b> S	3 □ - 2303B	☐ <b>TS140</b> — 140° F						
FINAL MODEL NUMBER: OGHV								