47920 5th Street, Canton, SD 57013
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Sales@GetAmerican.com
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Oil Coolers Series

English Units

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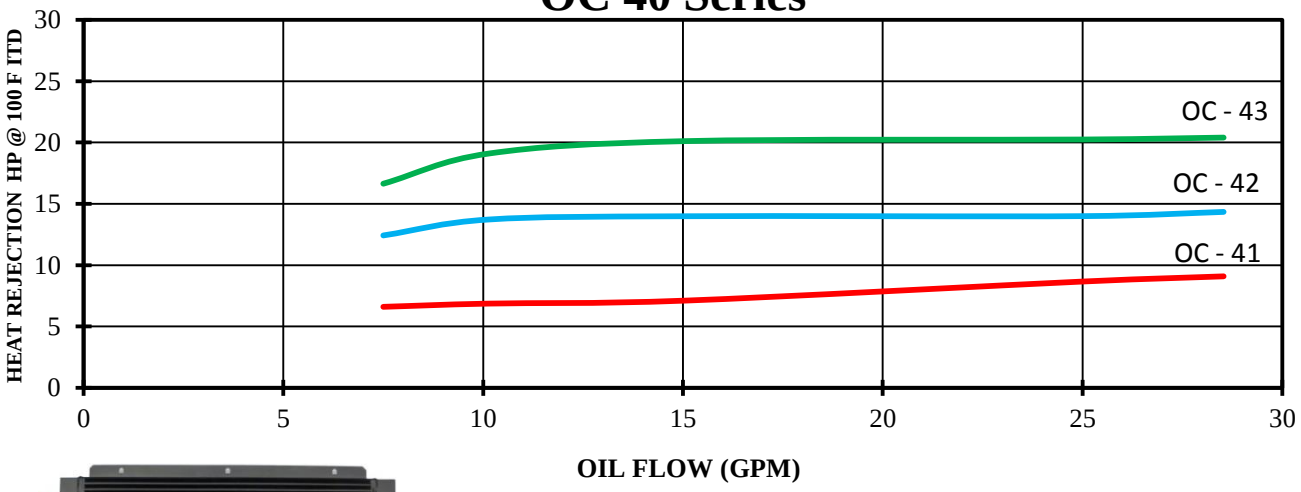
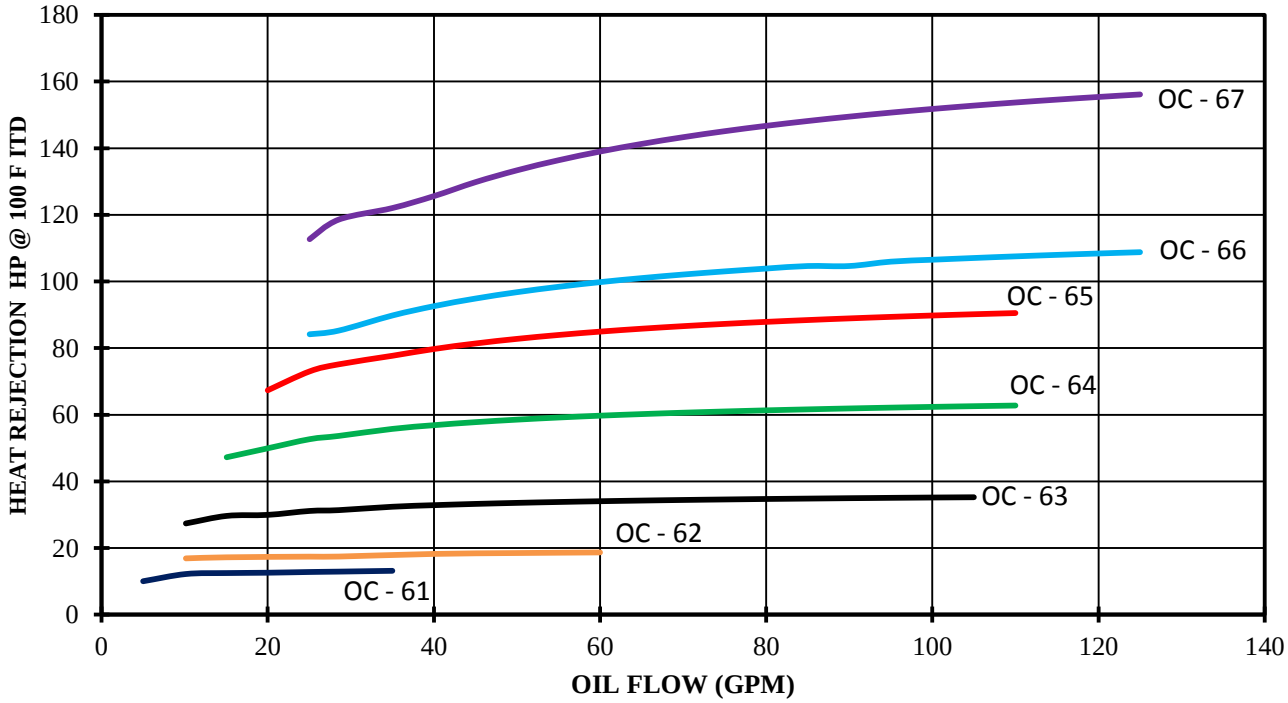
PERFORMANCE

OC 40 Series



Specifications:	
Construction Material	Aluminum
Max Working Temperature	300 °F (150 °C)
Max Working Pressure	360 psi (24 bar)

OC 60 Series



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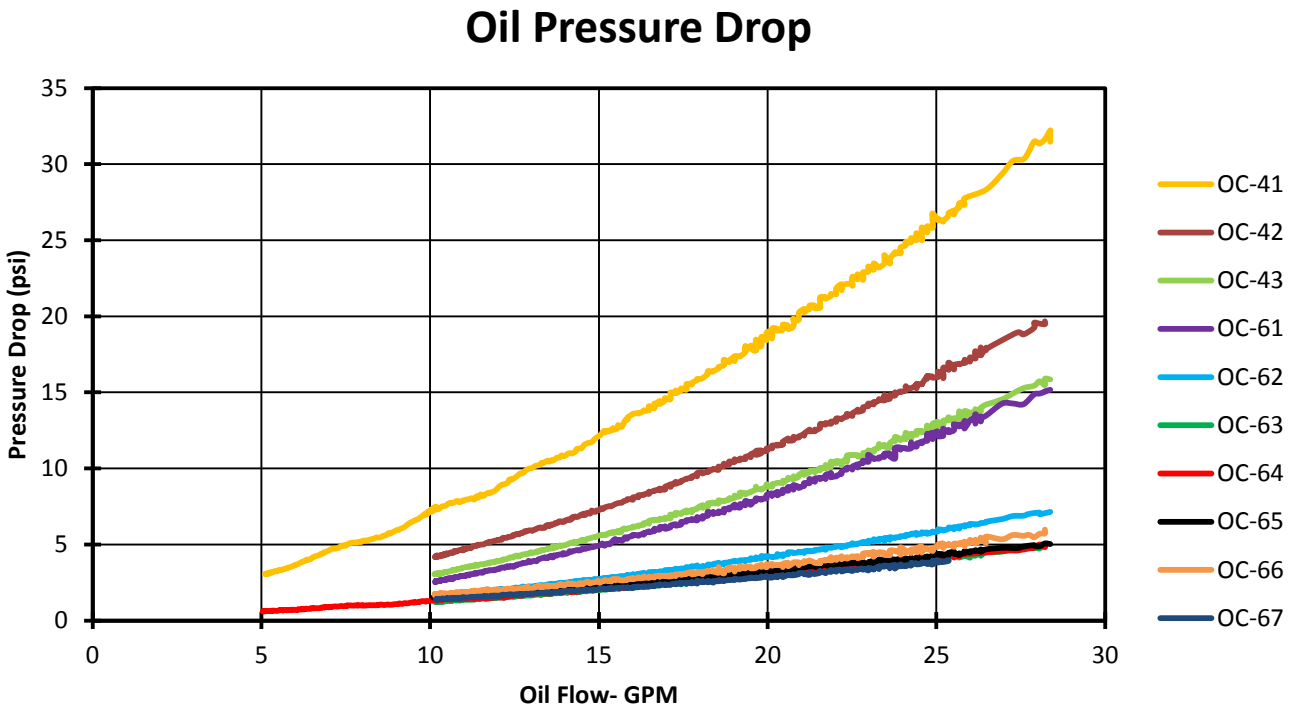
PERFORMANCE



FEATURES:

- High Performance Aluminum Oil Cooler
- Durable Bar and Plate Style Construction
- Low Clogging High Performance Air Fin
- Standard Sizes With SAE Ports
- Competitive Pricing
- Wide Selection

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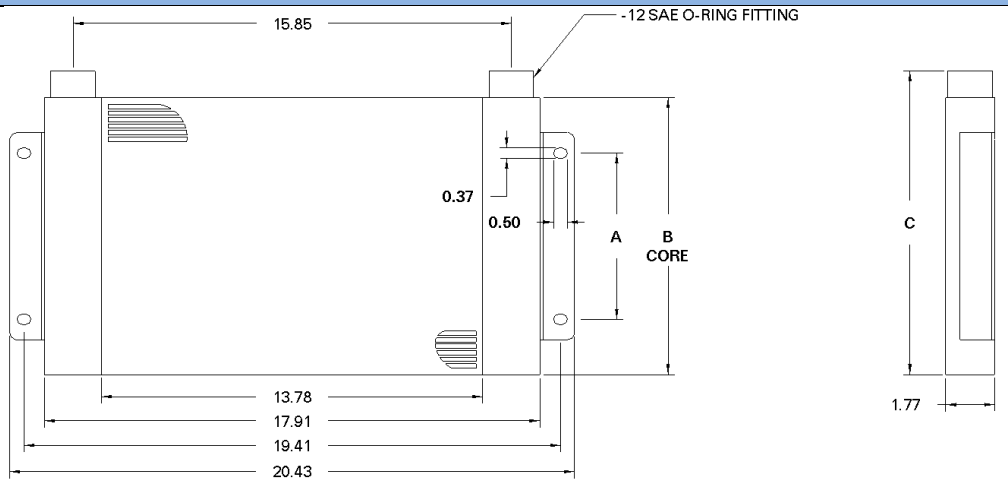
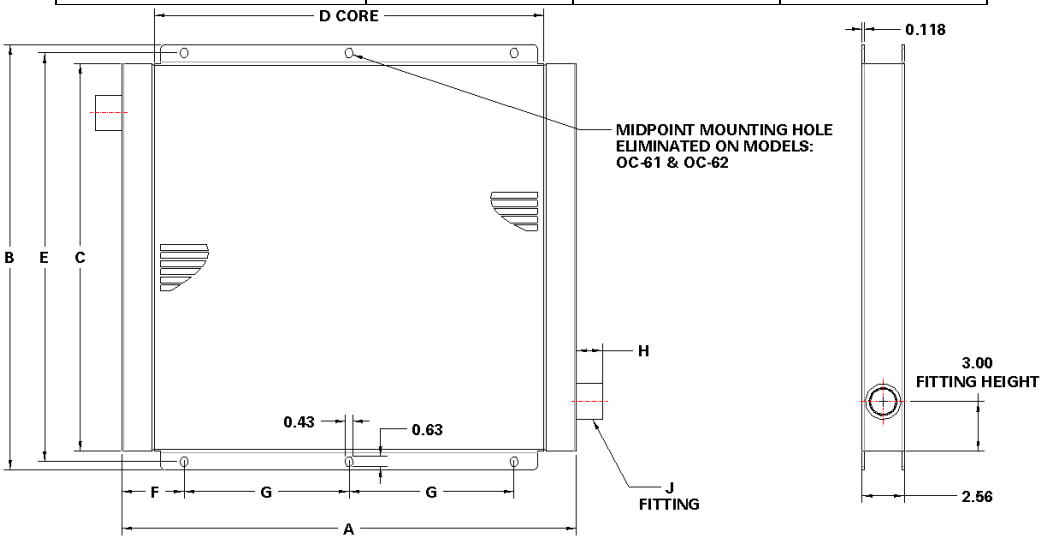
DIMENSIONS



Model Number	A	B	C
OC-41	3.0	5.7	6.7
OC-42	6.0	10.0	11.0
OC-43	10.0	14.3	15.3



Model Number	A	B	C	D	E	F	G	H	J Fitting
OC-61	13.8	11.6	9.9	9.8	10.7	4.4	2.5	1.0	-12 SAE O-Ring
OC-62	15.8	13.5	11.7	11.8	12.7	5.0	2.9	1.0	-16 SAE O-Ring
OC-63	19.7	18.3	16.0	15.8	17.2	3.9	6.0	1.6	-20 SAE O-Ring
OC-64	23.6	22.0	19.7	19.7	20.9	3.8	8.0	1.6	-20 SAE O-Ring
OC-65	27.6	25.7	23.5	23.6	24.7	3.8	10.0	1.6	-20 SAE O-Ring
OC-66	31.5	27.6	25.4	27.6	26.5	5.8	10.0	1.6	-24 SAE O-Ring
OC-67	31.5	38.7	36.4	27.6	37.6	5.8	10.0	1.6	-24 SAE O-Ring

Note: All dimensions are shown in inches

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SELECTION PROCEDURE

The above performance curves above are based on the following:

- 1000 Standard Feet Per Minute (SFPM) Air Velocity
- 50 SUS Oil
- 100°F Inlet Temperature Difference (ITD)

ITD = Inlet OIL Temperature — Entering AIR Temperature
If your application conditions are different, use the following selection procedure:

STEP 1. Determine the Heat Load

$$\text{Horsepower Heat} = \frac{\text{BTU/hour}}{2545}$$

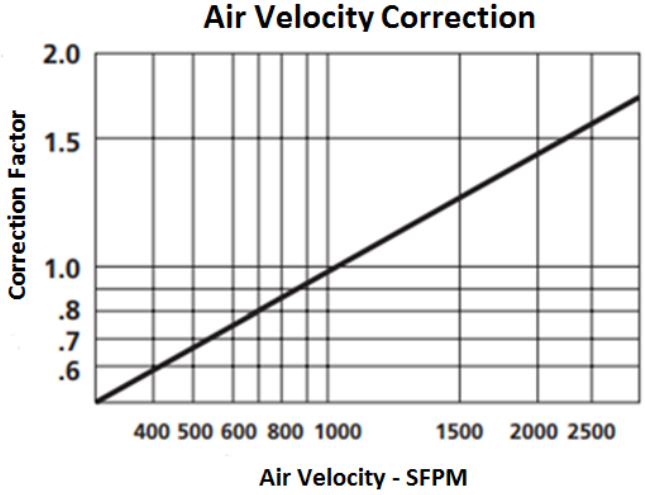
STEP 2. Determine the Actual ITD Desired

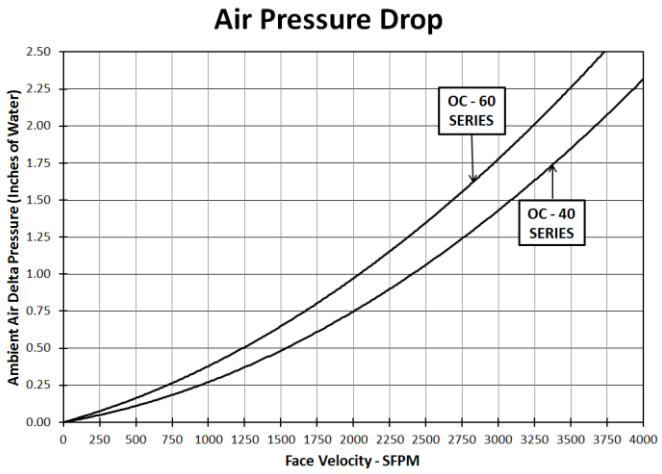
ITD = Inlet Oil Temperature — Inlet Air Temperature

STEP 3. Find the Air Velocity Correction Factor

$$\frac{\text{SCFM Air Flow Across Cooler}}{\text{Cooler Face Area (Feet}^2\text{)}} = \text{SFPM AIR VELOCITY}$$

Once you have calculated the SFPM Velocity, enter the air velocity correction curve to determine the correction factor.





STEP 4. Calculate the Adjusted BTU/hour for Selection

$$\text{HP Heat Load} \times \left(\frac{100}{\text{Desired ITD} \times \text{Correction Factor}}\right) = \text{HP for use with Selection Chart}$$

STEP 5. Select the Model From The Curves

Read up from the GPM to the required heat rejection. Select any model on, or above this point