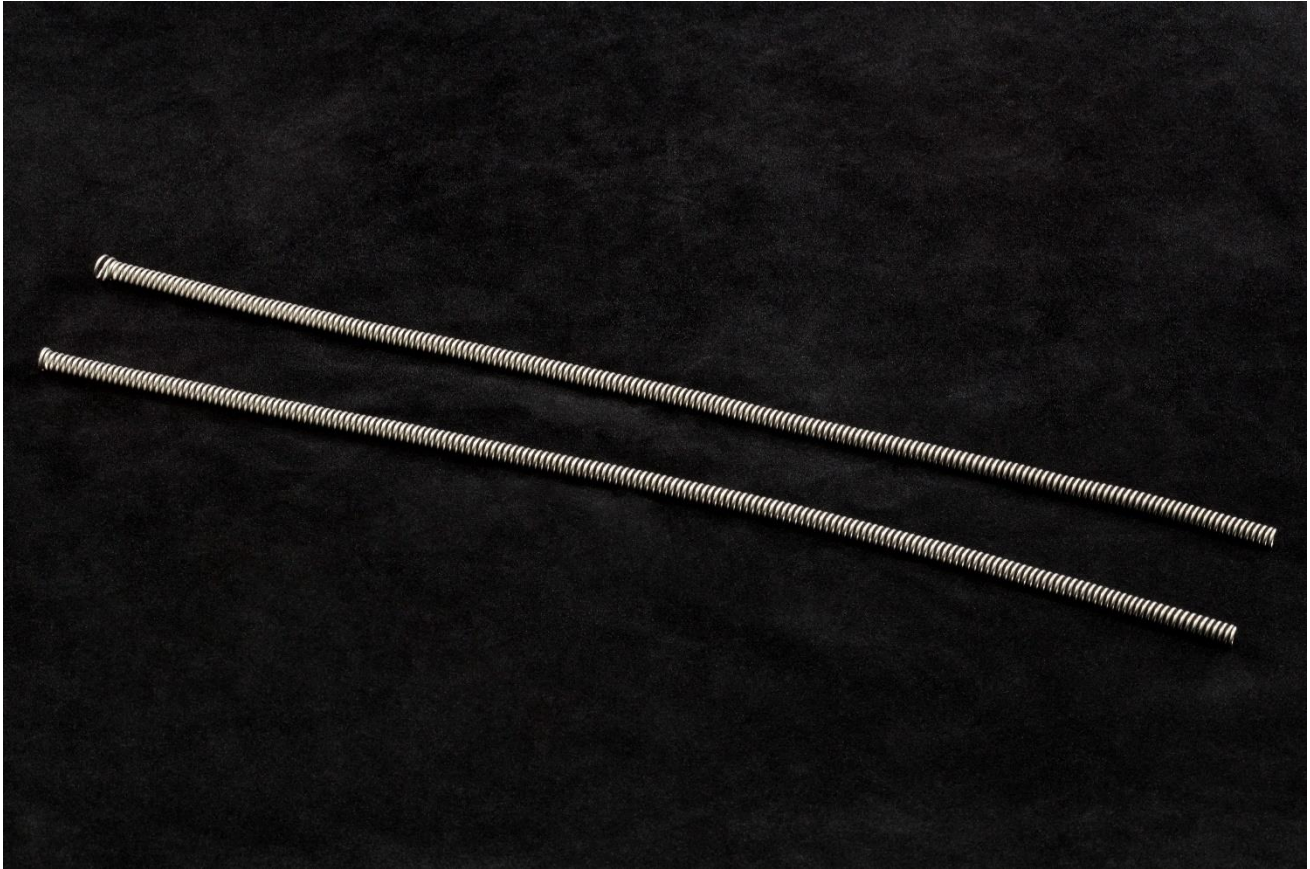
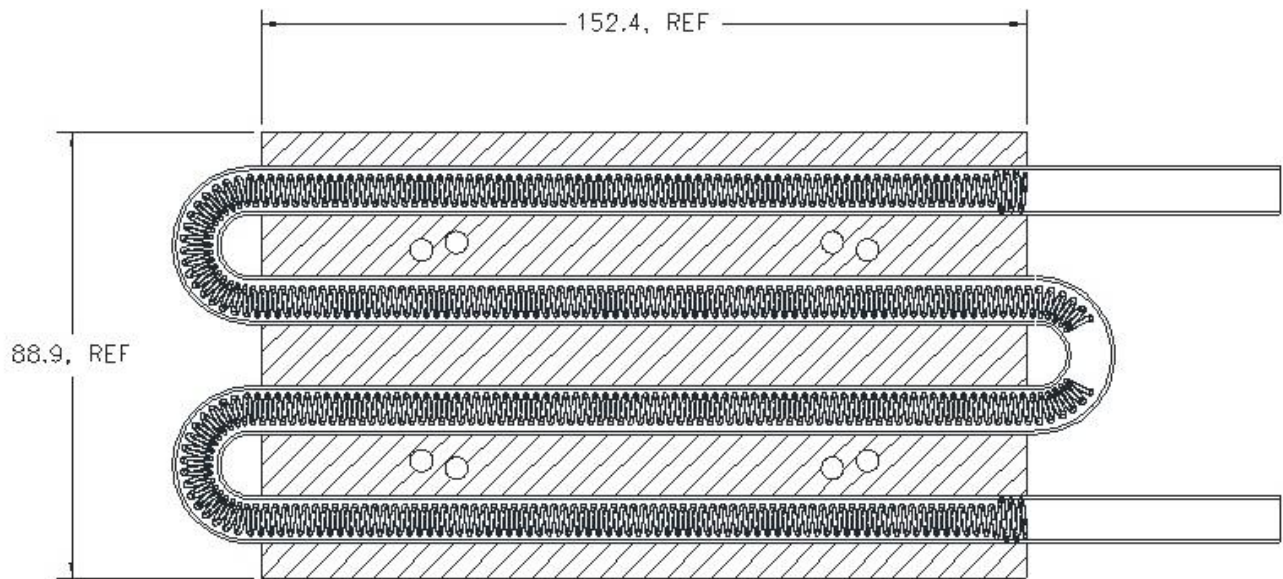


# MP-3874 Mixer Coils

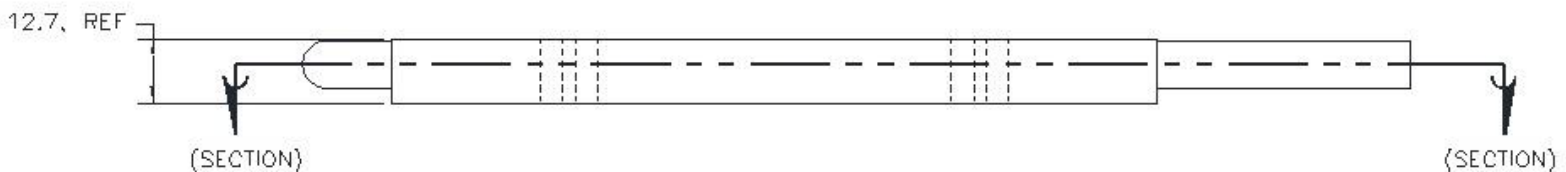
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- 
- Two stainless steel coils are provided for installation in the LC-SSX1 heat exchanger.
  - One end of each coil is flared; this twists into the tubing and locks in place with spring tension.
  - Useful in increasing the effectiveness of the LC-SSX1 heat exchanger in low-flow applications
  - Can also be used with LC-066SS liquid cooler.
  - RoHS compliant.



SECTION VIEW OF LC-SSX1  
SHOWING INSTALLED MIXER COILS



#### INSTALLATION INSTRUCTIONS FOR MIXER COILS:

1. Observe the two ends of the mixer coil: one end is straight, and the other end is flared.
2. Insert the straight end into one side of the LC-SSX1 (or LC-066SS) tube until the flare is reached.
3. Using needle nose pliers, or similar tools, compress the flared end until it fits into the tube.
4. Push the flared end of the mixer coil until it is aligned with the end of the plate, as shown above.
5. Repeat steps 1-4 with the second mixer coil on the other side of the LC-SSX1 (or LC-066SS).

- **Weight: 14.7 g (for one mixer coil)**

- **Please review the [Thermoelectric Cooling Assembly \(TCA\) Instruction Manual](#) (or [manual in other languages](#)), [ordering information](#), and [FAQ's](#) for related technical information before purchasing or using this product.**

*If you intend to use a fluid other than water with the LC-SSX1, consult with TE Technology, Inc. for further design assistance. You should also verify fluid compatibility with 316L stainless steel and with any associated fittings.*

*The LC-SSX1 should be oriented so that if a leak were to occur, fluid would spray/drain away from electrical contact points.*

*Water expands when freezing!  
Do not allow water or other similarly behaving fluids to freeze in the LC-SSX1; otherwise, damage could result.*

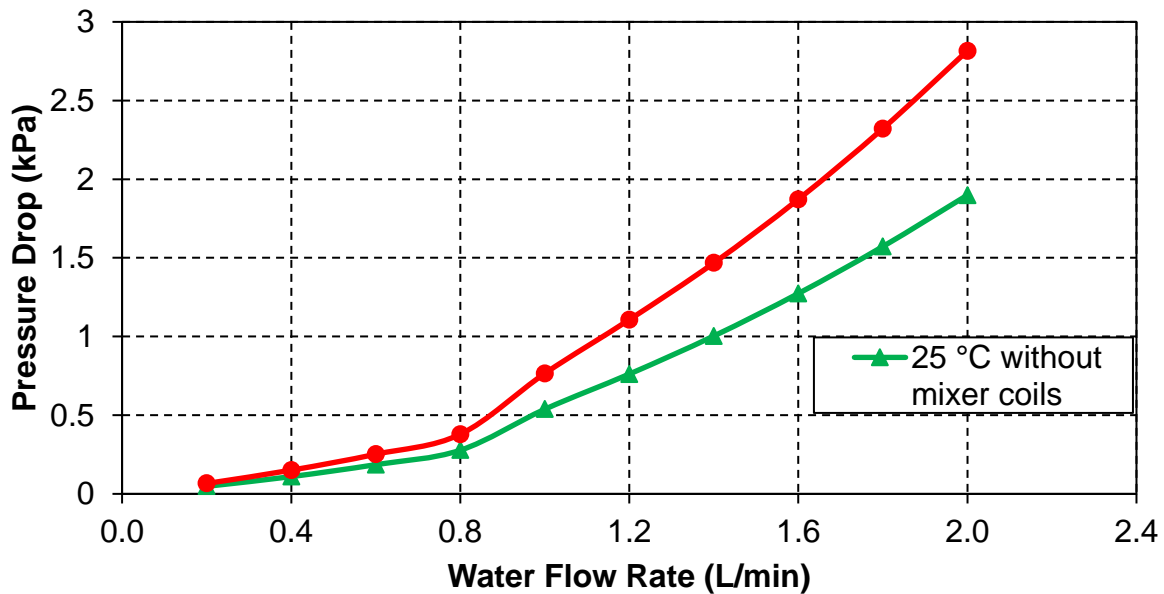
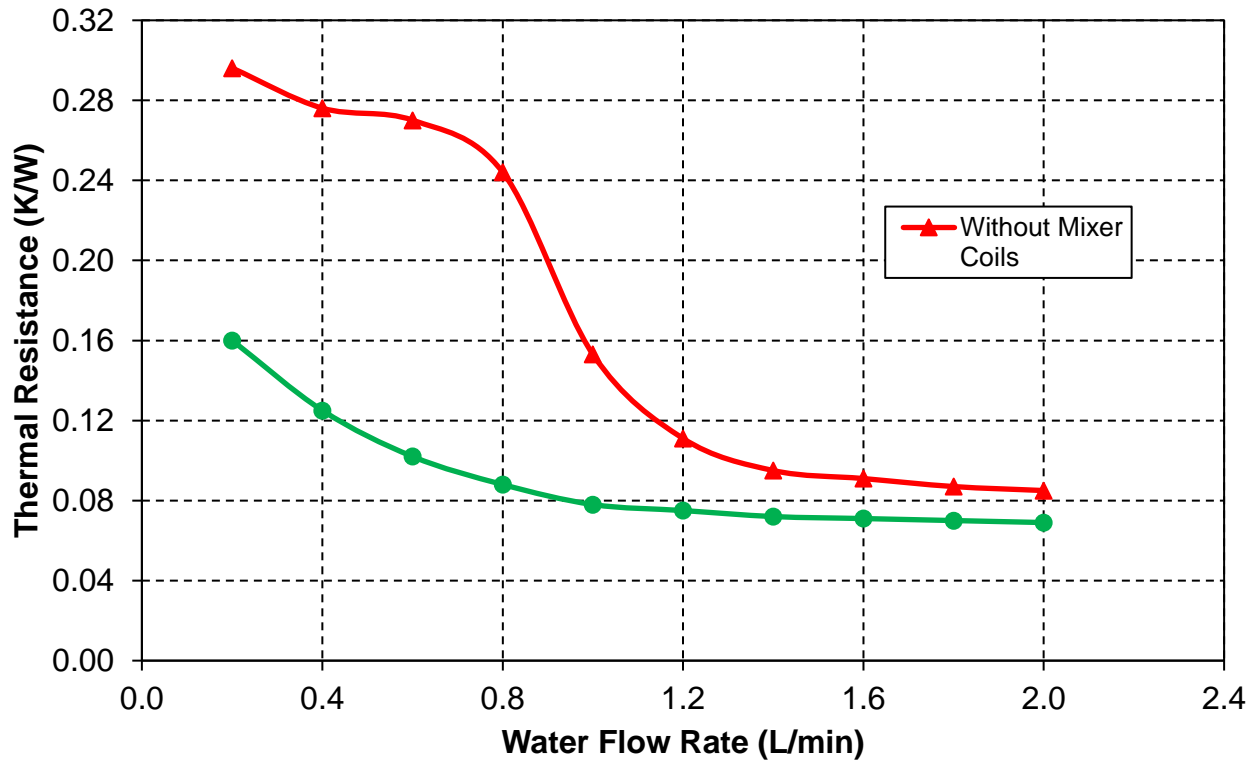
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# LC-SSX1 Performance with MP-3874 Mixer Coils

(at 25 °C inlet)



NOTE: The calculated thermal resistance curve is based on the assumption that the heat load is evenly spread across the plate surface.



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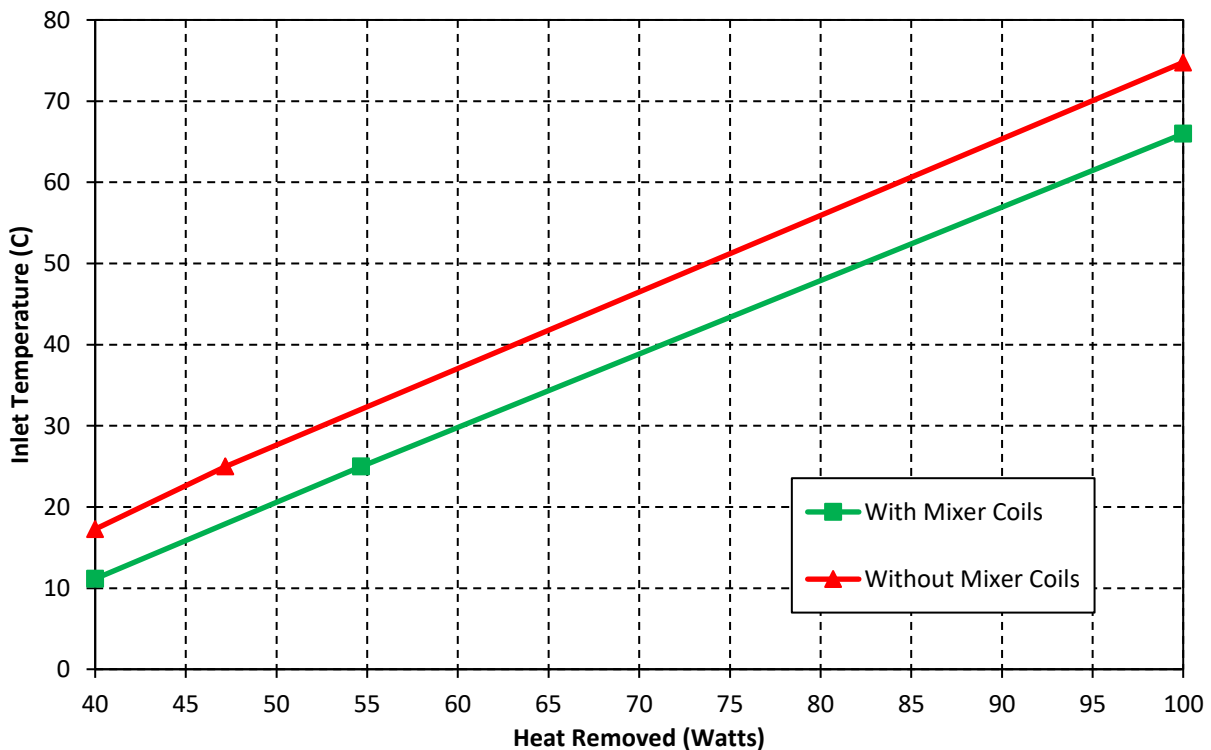
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# Thermal Performance when used with Standard Cold Plate Coolers

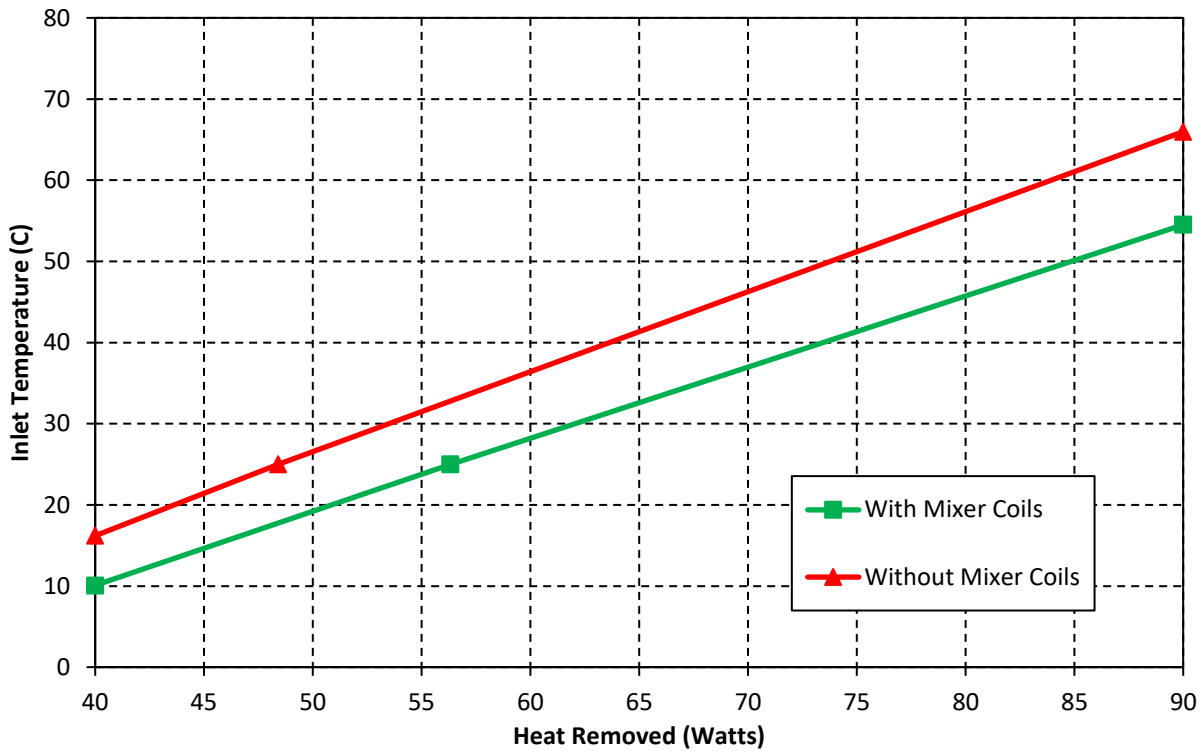
The calculated performance curves below are based on the LC-SSX1 being mounted to a TE Technology standard cold plate cooler. The following assumptions apply:

1. Thermal grease, TP-1, (see accessories at <http://tetech.com/>) is used between the cold plate and the LC-SSX1 (0.04 mm thick layer).
2. Water is flowing at 0.4 L/min through the LC-SSX1 (consult with TE Technology for other flow rates and/or fluids).

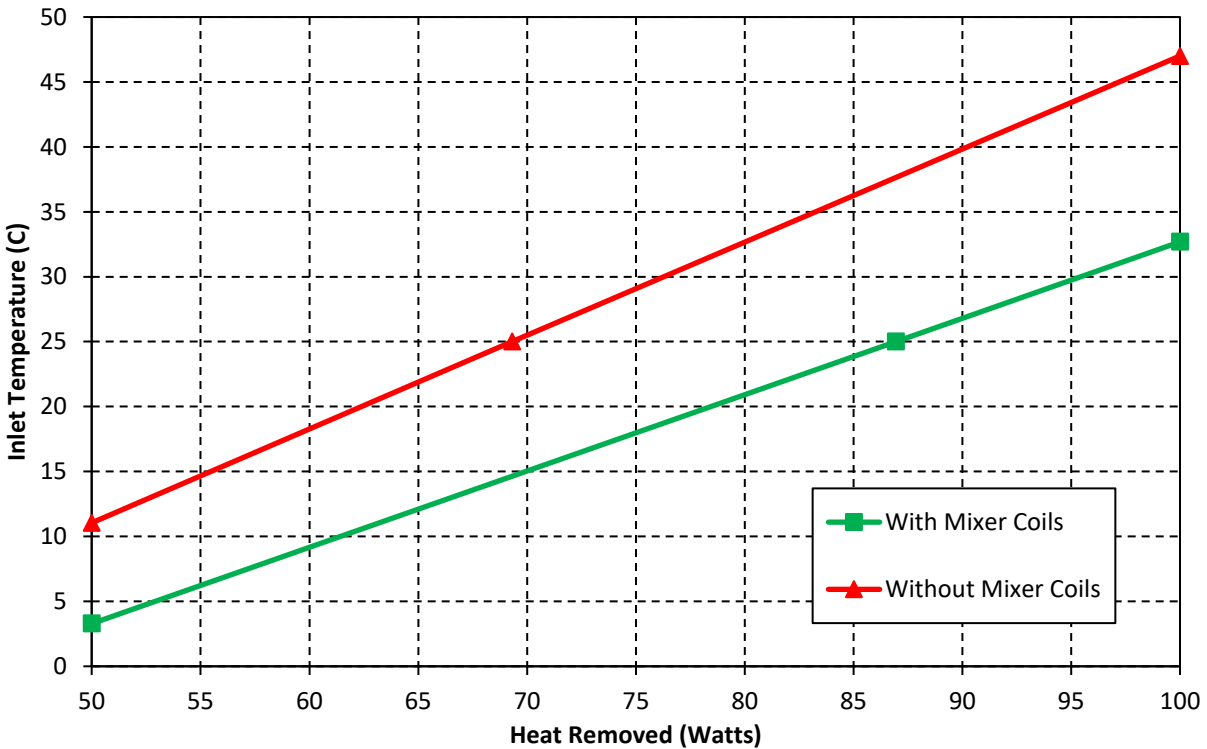
## CP-061HT with LC-SSX1



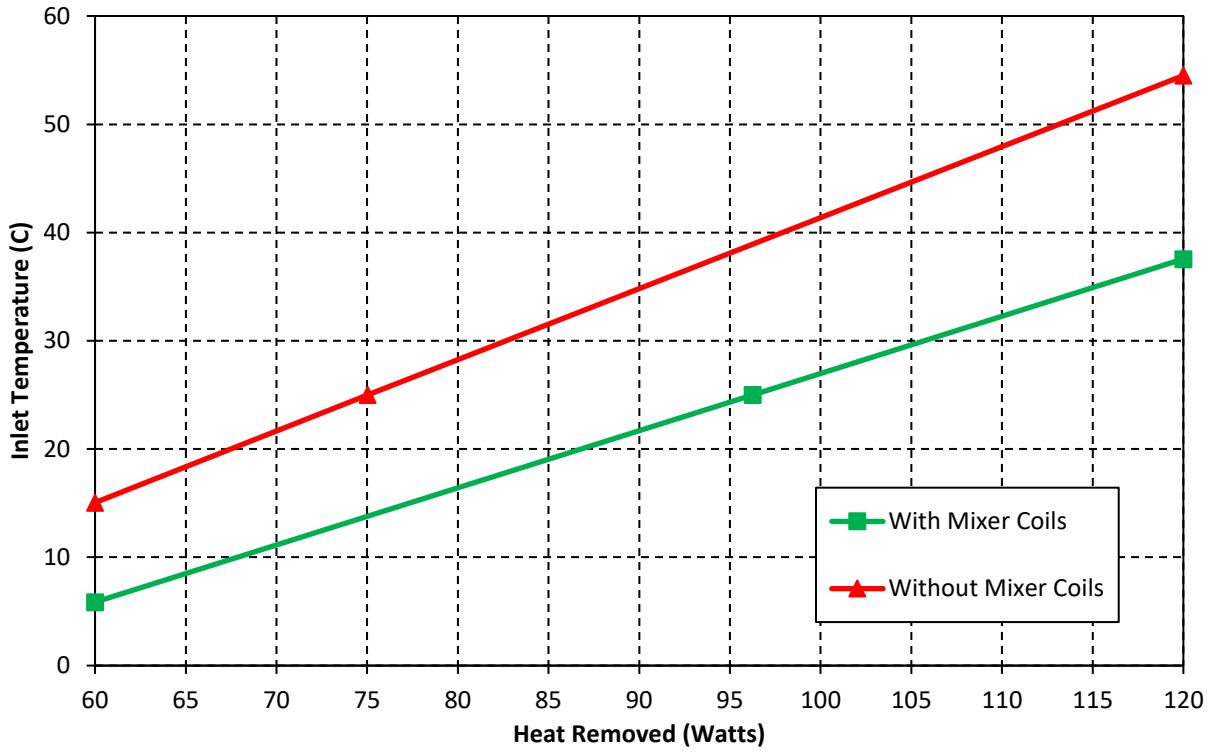
## CP-065 with LC-SSX1



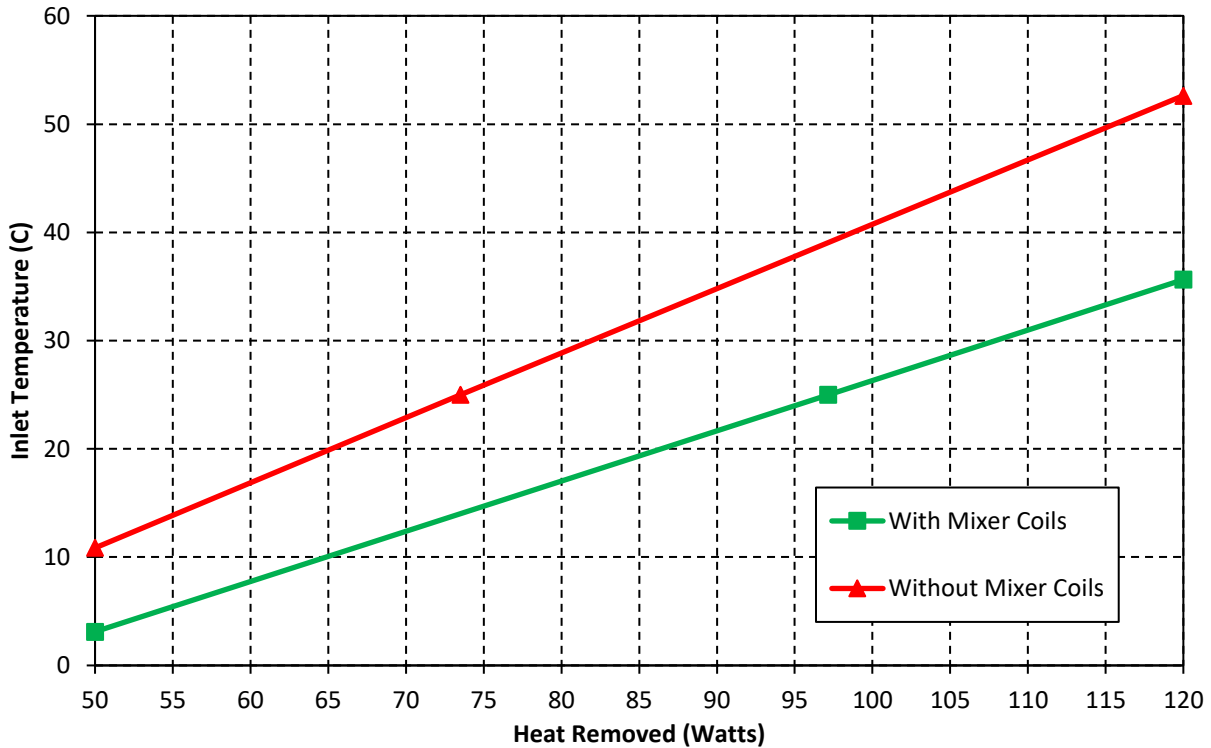
## CP-110 with LC-SSX1



## CP-121HT with LC-SSX1



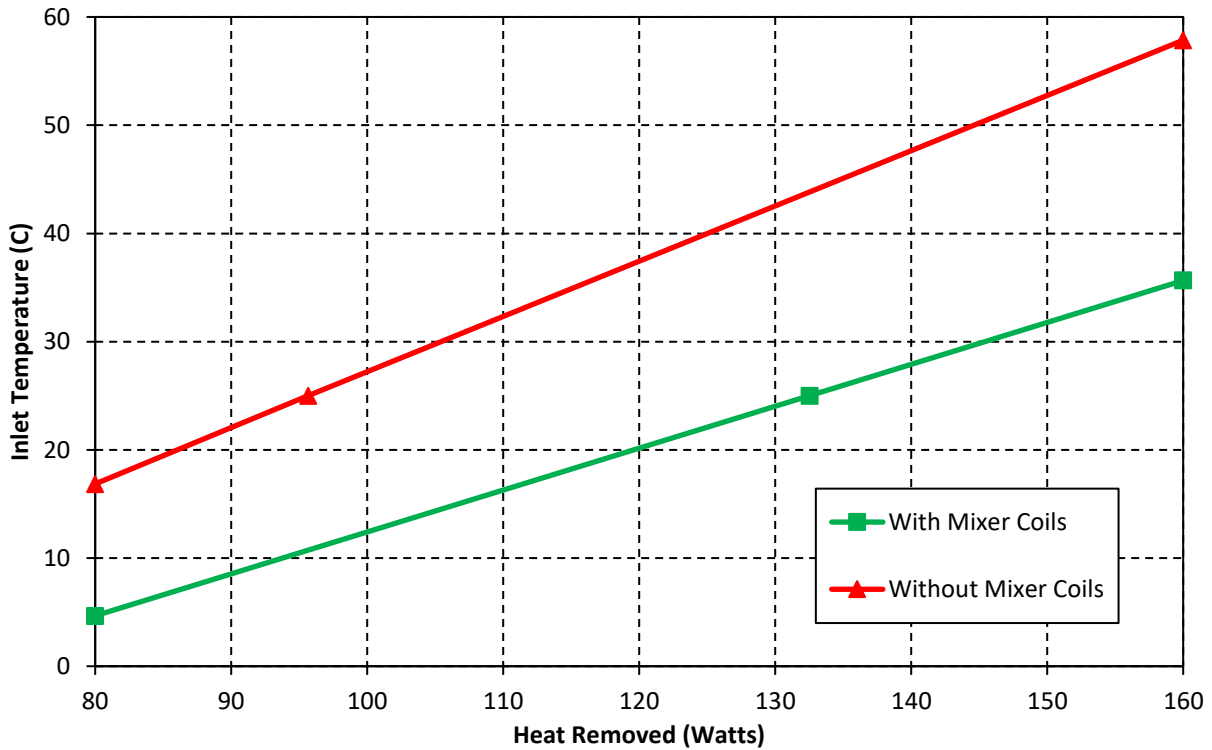
## CP-130HT with LC-SSX1



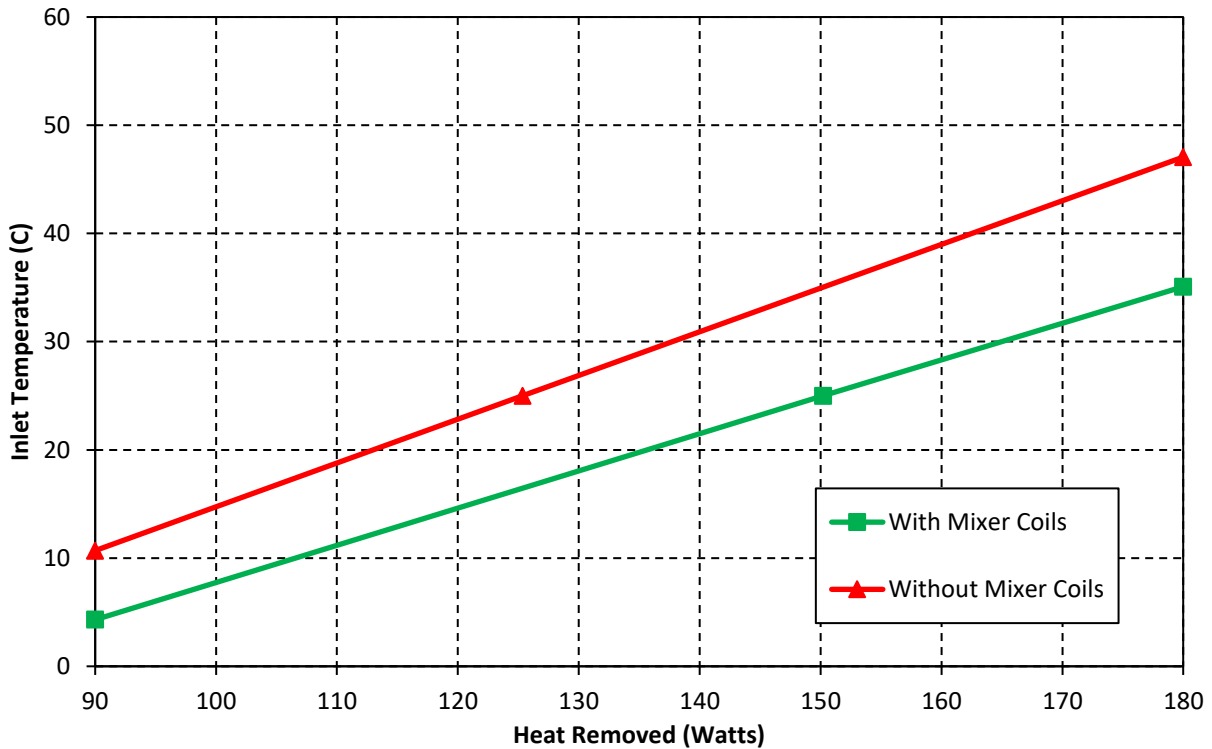
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### CP-200HT with one LC-SSX1



### CP-200HT with two LC-SSX1's

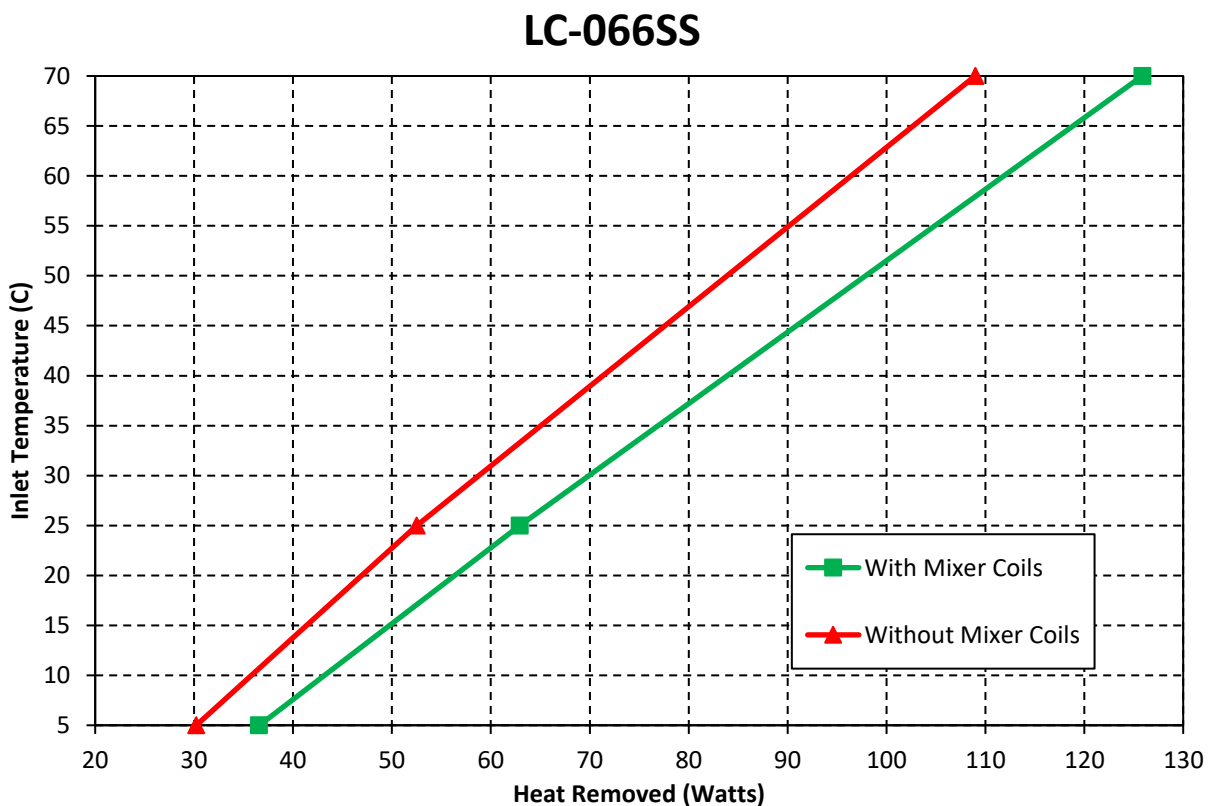


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# Thermal Performance when used with LC-066SS Standard Liquid Cooler

The calculated performance curves below are based on the assumption that water is flowing at 0.4 L/min (consult with TE Technology for other flow rates and/or fluids).



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