

PRODUCT CATALOG

AIR TO WATER STANDARD COLOR

MAKING THE WORLD A COOLER PLACE

Contact Us
(512) 595-5700
sales@norenthermal.com

ABOUT US

For more than 50 years, Noren Thermal Solutions has delivered innovative thermal management solutions based on heat pipe technology, helping prevent electronic components from overheating. All of our products are designed and assembled in the USA, using the expertise and knowledge of our engineering and design staff.

You can rely on the high quality that represents us and our ability to solve heat transfer challenges with cutting-edge designs and technology. Our thermal solution-oriented philosophy, coupled with customer service and satisfaction, has earned us the freedom to think outside the box.

We are currently doing business worldwide and growing as an eco-friendly industry. We pride ourselves on delivering exceptional customer service with each thermal solution.

Mission Statement: Noren Thermal Solution is committed to engineering and manufacturing quality solutions for a variety of thermal challenges in an atmosphere of excellence.

Quality Policy Statement: Encompassing an attitude of continual improvement, Noren Products Incorporated is committed to teaming with our employees in an ethical business environment to provide innovative product solutions for our customers.

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Noren's below-ambient cooling units offer a superior cooling output for environments where temperature must be kept under a particular value compared to the ambient. The units are airtight sealed, ensuring protection from outside contaminants. This unit complies with NSF 61 & 372 requirements ensuring the water used does not pose any consumption risk and can be safely distributed.



AIR TO WATER FLUSH-MOUNT

Noren Flush-Mount heat exchangers are designed to attach to the side or door of electrical enclosures. It requires 1 gallon per minute water source to properly cool the enclosure.



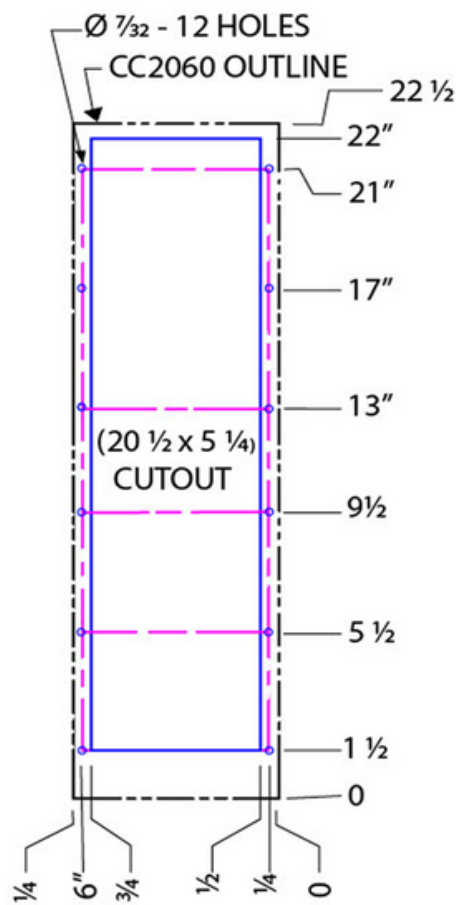
■ HEAT EXCHANGER AIR TO WATER CC2060



Model	Weight (lbs)	Rating @ 40°C ΔT (BTU/hr)	Amps current Draw at 115 volts AC	Fan size	Dimensions-Inches (HxWxD)
CC2060	9 lbs	3,350	0.2	1x4"	22.5x6.25x4
Efficiency: 24.5 Watts/°C ΔT based on average internal cabinet temperature					

CUT OUT AND HOLE PATTERN (INCHES)

CABINET HOLE PATTERN
(EXTERNAL VIEW)

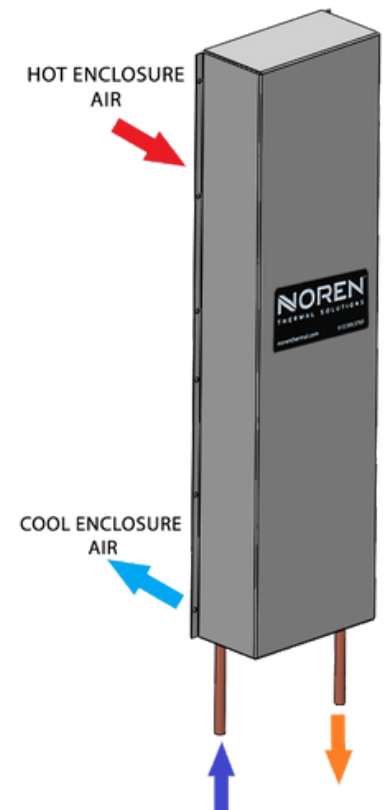


CC2060 TYPE 12
Air to Water Flush-Mount
Model

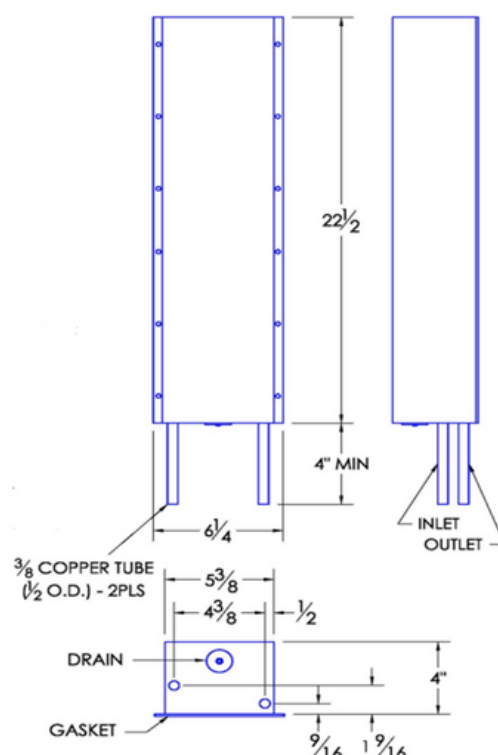


FLUSH-MOUNT - CC2060 TYPE 12 PRODUCT SPECIFICATIONS

1. UL Listed for TYPE 12 environments
2. CC2060 Rated cooling: 980 Watts mounted to an uninsulated 24" x 24" x 16" Cabinet with 1 GPM of water at 20°C, 40°C ambient air and 60°C cabinet air temperature
3. Designed for surface mounting on the outside of the cabinet
4. Housing is aluminum (Standard color)
5. External water inlet and outlet connections
6. Equipped with a mounting gasket to maintain an airtight seal
7. Available with AC (115 & 230V) and DC (12, 24, & 48V) fans. DC version includes a junction box, consult the website
8. Vertical mounting only
9. Coolant water pressure: Pressure tested to 100 psi. The safe working pressure is 60 psi
10. Recommended coolant flow rate (gallons per minute): 1 GPM
11. For design, quote, and sizing assistance: call **(512) 595-5700**



DIMENSIONS AND MOUNTING (INCHES)



■ HEAT EXCHANGER AIR TO WATER CC3060

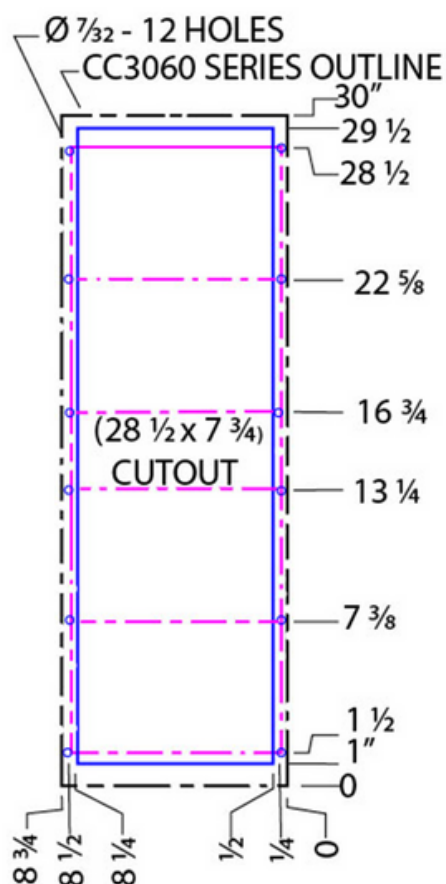
Model	Weight (lbs)	Rating @ 40°C ΔT (BTU/hr)	Amps current Draw at 115 volts AC	Fan size	Dimensions-Inches (HxWxD)
CC3060	13 lbs	9,300	0.3	1x6"	30x8.75x4

Efficiency: 68.8 Watts/°C ΔT based on average internal cabinet temperature



CUT OUT AND HOLE PATTERN (INCHES)

CABINET HOLE PATTERN
(EXTERNAL VIEW)

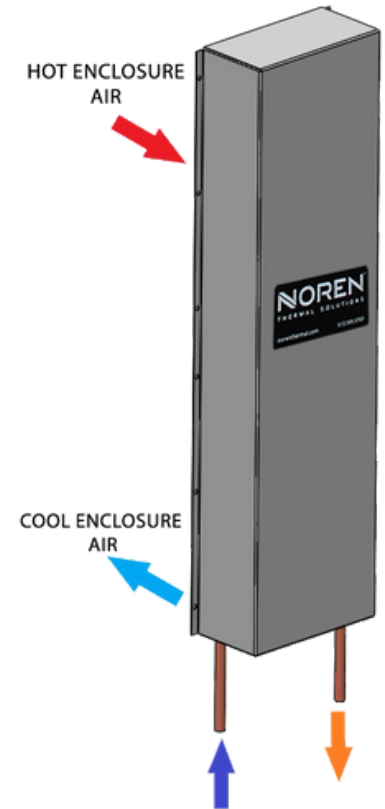


CC3060 TYPE 12
Air to Water Flush-Mount
Model

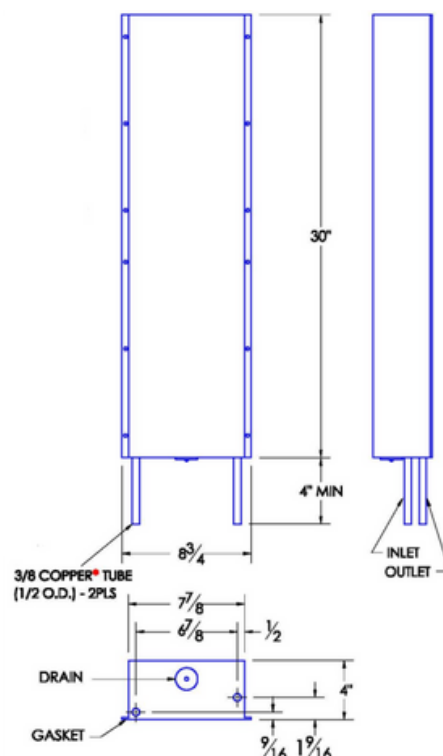


FLUSH-MOUNT - CC3060 TYPE 12 PRODUCT SPECIFICATIONS

1. UL Listed for TYPE 12 environments
2. CC3060 Rated cooling: 2,725 Watts mounted to an uninsulated 72" x 36" x 24" Cabinet with 1 GPM of water at 20°C, 40°C ambient air and 60°C cabinet air temperature
3. Designed for surface mounting on the outside of the cabinet
4. Housing is aluminum (Standard color)
5. External water inlet and outlet connections
6. Equipped with a mounting gasket to maintain an airtight seal
7. Available with AC (115 & 230V) and DC (12, 24, & 48V) fans. DC version includes a junction box; consult the website
8. Vertical mounting only
9. Coolant water pressure: Pressure tested to 100 psi
The safe working pressure is 60 psi
10. Recommended coolant flow rate (gallons per minute): 1 GPM
11. For design, quote, and sizing assistance:
call **(512) 595-5700**



DIMENSIONS AND MOUNTING (INCHES)



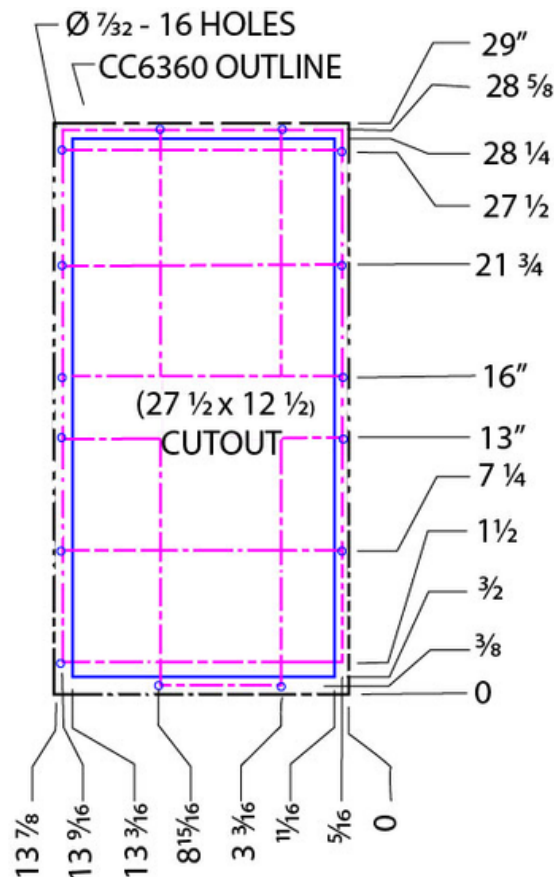
■ HEAT EXCHANGER AIR TO WATER CC6360



Model	Weight (lbs)	Rating @ 20°C ΔT (BTU/hr)	Amps current Draw at 115 volts AC	Fan size	Dimensions-Inches (HxWxD)
CC6360	32 lbs	21,800	0.9	3x6"	29x13.8x7.8
Efficiency: 159.7 Watts/°C ΔT based on average internal cabinet temperature					

CUT OUT AND HOLE PATTERN (INCHES)

CABINET HOLE PATTERN
(EXTERNAL VIEW)



CC6360 TYPE 12
Air to Water Flush-Mount
Model



Meets the Requirements of
NSF/ANSI CAN 61&372

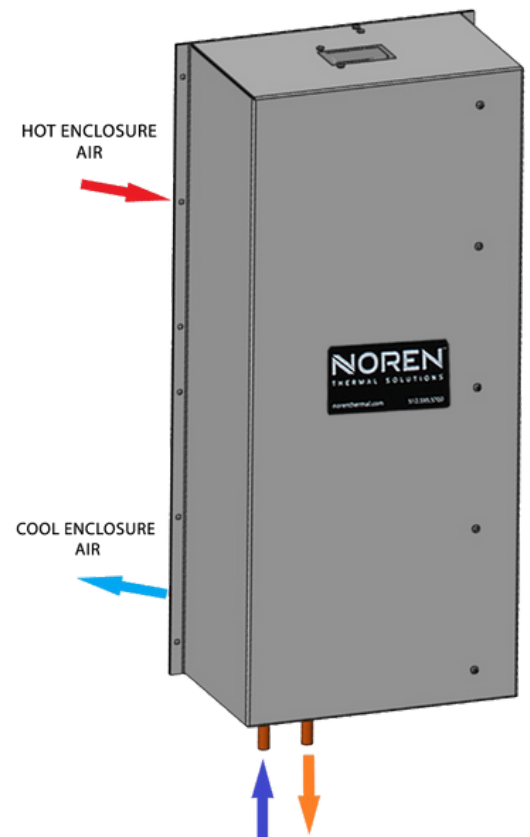


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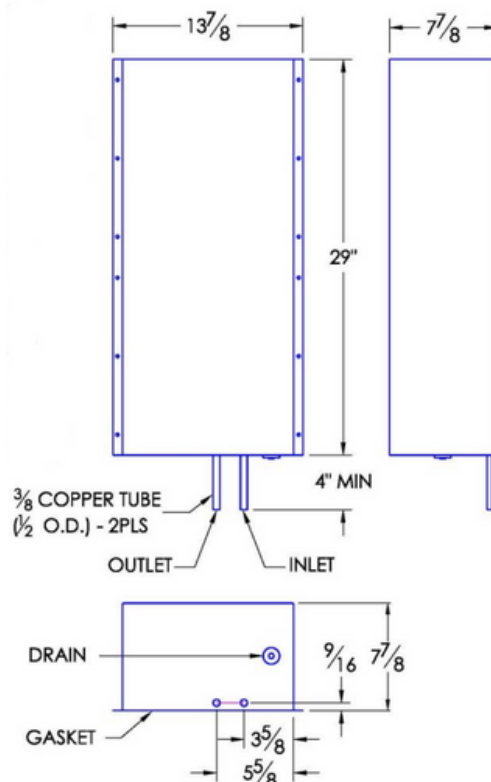


FLUSH-MOUNT - CC6360 TYPE 12 PRODUCT SPECIFICATIONS

1. UL Listed for TYPE 12 environments
2. CC6360 Rated cooling: 6,388 Watts mounted to an uninsulated 72" x 36" x 24" Cabinet with 1 GPM of water at 20°C, 40°C ambient air and 60°C cabinet air temperature
3. Designed for surface mounting on the outside of the cabinet
4. Housing is aluminum (Standard color)
5. External water inlet and outlet connections
6. Equipped with a mounting gasket to maintain an airtight seal
7. Available with AC (115 & 230V) and DC (12, 24, & 48V) fans. DC version includes a junction box, consult the website
8. Vertical mounting only
9. Coolant water pressure: Pressure tested to 100 psi. The safe working pressure is 60 psi
10. Recommended coolant flow rate (gallons per minute): 1 GPM
11. For design, quote, and sizing assistance: call **(512) 595-5700**



DIMENSIONS AND MOUNTING (INCHES)



■ HEAT EXCHANGER AIR TO WATER CC9000 TYPE 12

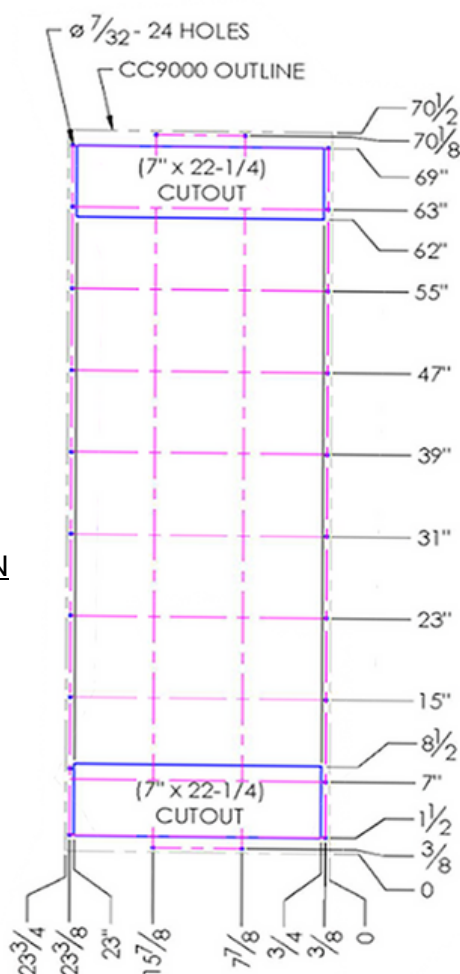
Model	Weight (lbs)	Rating @ 20°C ΔT (BTU/hr)	Amps current Draw at 115 volts AC	Fan size	Dimensions-Inches (HxWxD)
CC9000	79 lbs	57,000	2.4	8x6"	70.5x23.75x8

Efficiency: 417.0 Watts/°C ΔT based on average internal cabinet temperature



CUT OUT AND HOLE PATTERN (INCHES)

CABINET HOLE PATTERN
(EXTERNAL VIEW)



CC9000 TYPE 12
Air to Water Flush-Mount
Model



SPECIFICATIONS

- Call **(512) 595-5700**



DIMENSIONS AND MOUNTING (INCHES)



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Thermal Heat Exchange Solutions

INTERNATIONAL



GET IN TOUCH

WE ARE LOOKING FORWARD TO STARTING A PROJECT WITH YOU!

HAVE A LOOK AT THE SECTIONS BELOW.



Contact Noren directly, fill out a form and we will get back to you as soon as possible.



Need some answers? Check out our page for Frequently Asked Questions about Noren.



Find your solution, use our quick calculator to find out which Noren heat exchanger best meets your needs.

NOREN THERMAL SOLUTIONS PROFILE



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