

# Noritz 841MC Series

# Navien CR-240A

## BTUs:

**Min: 11,000 Btu/h- Max: 199,900 Btu/h**

Min: 17,000 Btu/h- Max: 199,000 Btu/h

Noritz outperforms by having a lower min. Btu/h and a higher max Btu/h. Low Btu/h= better temp. control at low flow rates.

## FLOW RATES/TEMP. SETTINGS

**Min: 0.5 GPM- Max 11.1 GPM  
100-180° F**

Min: 0 GPM- Max 5.6 GPM  
100-140° F

Noritz's maximum temperature is 180F vs Navien's 140F. Also Navien's 11.1 GPM claim is based on a mixed flow @ 140°F temp setting. And, since there is no min flow rate required on the Navien, it requires a buffer tank holding 0.5 gal, which burns gas to keep warm.

## TEMPERATURE STABILITY

**+/- 3° F**

+/- 10° F

Even with Navien's buffer tank, the temperature stability of the Noritz still out performs.

## PRESSURE LOSS

**30 PSI @ 11 GPM**

30 PSI @ 3 GPM

Navien's higher thermal efficiency severely restricts the flow of water, resulting in dramatic pressure loss.

## THERMAL EFFICIENCY

**93-94%**

97-98%

Navien's higher efficiency allows only for an extra 0.2 GPM.

## BURNER TECHNOLOGY

**Dual flame burner**

Downwards style burner

Noritz's dual flame burner maximizes output and provides temperature stability while maintaining low emissions. Navien's downwards style burner increases efficiency, but reduces temperature stability and increases pressure loss.

## SECONDARY HEAT EXCHANGER

**100% Stainless Steel**

Partially Stainless Steel

Noritz uses 100% stainless steel, whereas Navien uses stainless steel plates with an aluminum casing, which will corrode over time.

## CONDENSATE NEUTRALIZER

**Built-in**

Not included

Noritz has a built-in neutralizer making installation much easier and less costly than the Navien.

## INSTALLATION OPTIONS

**Indoor/Outdoor**

Indoor only

Navien only offers direct vent models, therefore cannot be installed outdoors. Noritz offers both indoor and outdoor models.

## FULL DIAGNOSTIC MODE

**Advanced controls**

Basic controls

Navien's does not have a full diagnostic mode for ease of service

## UNIT WEIGHT

**73 lbs.**

95 lbs.

Noritz's unit is smaller and lighter making it easier to handle and install.

Comparison as of 9/2008.