

Noritz 842MC Series

Navien CR-240A

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.

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.

THERMAL EFFICIENCY

93-94%

97-98%

Navien's higher efficiency allows only for an extra 0.2-0.5 GPM.

BURNER TECHNOLOGY

Dual flame burner

Downward 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 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

74 lbs.

95 lbs.

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

Testing done at Noritz R & D Lab.