



COMMERCIAL HOT WATER



Noritz Commercial Advantage

Modular

The Noritz modular system is based on a single self-contained, interchangeable unit that can combine and communicate with like units to meet any hot water demand.

Multi-System

Noritz units can be linked together with a single system controller, up to 24 units. This allows outputs of 9.1 million Btuh and 316 gallons per minute.

Modulation

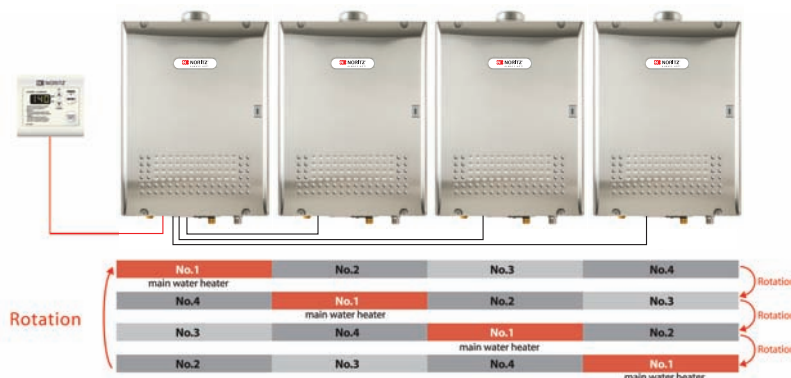
Noritz fully modulating technology can track any hot water demand with pin point accuracy, only using the energy necessary to heat the water that is used.

Intelligent System

In a multi-system setup, the Noritz commercial units will communicate with one another and work in unison to even out the load on each individual unit, maximizing output and system life. With the ability to modulate between multiple units with the use of a system controller makes Noritz commercial water heaters the most efficient water heating system on the market today.

High Volume

1 - 24 Unit capacity. Up to 4.8 million BTU & 266 GPM



Fully Modulating Burner

Noritz's fully modulating burner technology is the most precise and efficient method of heating high fluctuating demands of water.

Single Unit

18 : 1 Turndown Ratio

11,000- 199,900 BTU Range

24 Units (Modular)

436 : 1 Turndown Ratio

11,000- 4.8 Million BTU Range

(Specs based on NC199 model)

Advantages

• Redundancy

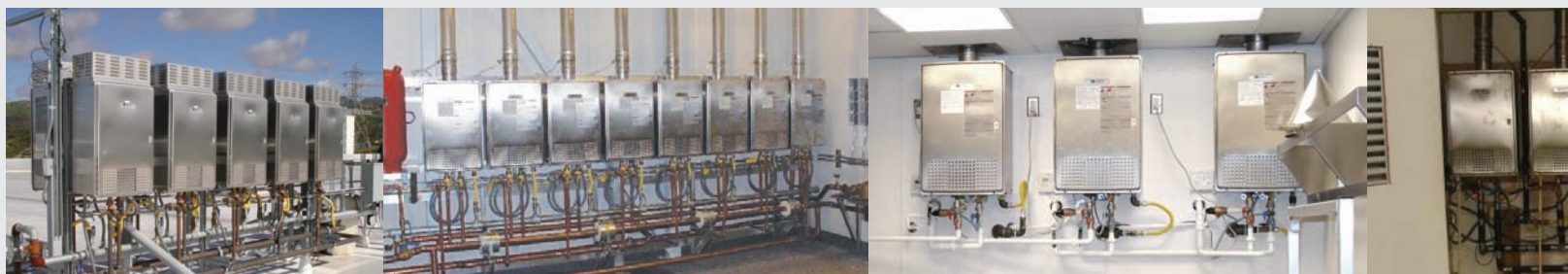
Any one of the Noritz commercial units on a multi-system can be taken offline and serviced without compromising your business. Hot water will still be provided by the other units.

• Efficiency

Because of the modulating technology, a Noritz commercial system heats water using only the energy necessary to meet the demand, reducing energy consumption significantly and saving on water heating costs.

• Versatile Installation

Noritz commercial units can be installed indoor or outdoor and because of its size and weight, they can be wall hung or racked, making spaces once thought impossible, possible.



NCC199-DV

100-199

1. Commercial-Grade Heat Exchanger

5. Small Size

2. PVC Venting

2. No Stainless Steel Venting

8. 93.3 Efficiency
Secondary Stainless
Steel Heat Exchanger

1. Steel Tank Glass
Lining Anode Rods

8. 75% Efficiency
Antiquated
Atmospheric Burner
Technology

3. Dual-Flame
Burner

Quick-Connect 2 Units

7. Endless Hot Water

ON DEMAND
TANK HEAT LOSS

6. Steel Jacket
Corrosion

5. Large, Cumbersome
Indoor Only

4. Full Diagnostic



Full 5-Year Warranty

3. Antiquated, Inefficient
Atmospheric Burner

4. No/ Limited
Diagnostic

Noritz 2 NCC199-DV Units vs. 100-199

Model Number	Flow	BTU Input	Temperature Rise									
			40°	50°	60°	70°	80°	90°	100°	110°	120°	130°
2 NCC199-DV Units	GPH	399,800	1116	888	744	636	552	492	444	408	372	348
D-100-199-AS	GPH	199,900	485	355	323	277	242	215	194	176	162	149
DIFFERENCE			631	533	421	359	310	277	250	232	210	199

NCC199-DV

100-199

1	Commercial grade heat exchanger: Increased level of efficiency, stabilizing temperature and boosting performance for long life under heavy use.	1	Steel tank with glass lining and anode rods: The glass lining can be easily broken in transportation or installation. The anode rods harbor scale formation within the tank.
2	Less expensive PVC venting can be used due to reduced exhaust temperatures.	2	No stainless steel: This can amount to rust and deterioration of the venting.
3	Fully modulating burner: Increased level of efficiency, stabilizing temperature fluctuations and boosting the performance of the flow rate.	3	Antiquated, inefficient atmospheric burner: does not supply a stable flame to heat the water which creates a long recovery time.
4	Full diagnostics for easy maintenance and repair. Most parts of the heater can be replaced and are plug and play for quick repairs.	4	No or limited diagnostic: the heater cannot be maintained and will give no warning to system failures. Limited parts can be replaced. When the tank breaks, the entire heater must be replaced.
5	Small size: Noritz heaters take up less than 3 square feet of space and can be installed inside or outside on walls or racks. (DV requires indoor installation only.)	5	Large size: the tank heater takes up more than 9 square feet of floor space and can only be installed inside.
6	Stainless steel casing: allows Noritz units to be cleaned and sanitized and protected from its surroundings. NSF Approved	6	Steel jacket corrosion can shorten the life of the heater. The large tank heater casing can deteriorate in harsh commercial installations. Not NSF approved for kitchen installation
7	Endless supply of hot water. Noritz heaters can meet the demand of application and will never run out of hot water.	7	Limited hot water with long recovery times.
8	93.3% Efficiency. 100% Stainless Steel secondary heat exchanger. Using the heat produced by the exhaust gas to preheat the incoming cold water resulting in higher efficiency levels.	8	75% Efficiency. Antiquated atmospheric burner technology results in stand-by heat loss and higher costs.




84%
EFFICIENCY

Vent Options

SV

NC380 ASME Series

max temp setting: 180°
temp settings: 100-180°
0.7 min gpm- 13.2 max gpm
534 GPH at 70° temperature rise
NSF & ASME certified
stainless steel casing
2-unit quick-connect
up to 24-unit multi-system

Dimensions	29.7" (H) x 19.1" (W) x 11.8" (Depth)
Weight	105 lbs.
Gas Consumption	NG Max. 380,000 Btuh- Min. 22,500 Btuh
	LP Max. 380,000 Btuh- Min. 22,500 Btuh
Capacity Range	0.7-13.2 Gal./min.
Thermal Efficiency	80% (NG), 84% (LP)
Temperature Outputs	100-150°F (in 5°F Intervals), 160, 170, 181.4°F
Included Accessories	Remote Control & Cord, Anchoring Screws


84%
EFFICIENCY

Vent Options

SV

DV

NC250 ASME Series

max temp setting: 180°
temp settings: 100-180°
0.5 min gpm- 11.1 max gpm
360 GPH at 70° temperature rise
NSF & ASME certified
stainless steel casing
2-unit quick-connect
up to 24-unit multi-system

Dimensions	24.4" (H) x 18.4" (W) x 9.4" (Depth)
Weight	62 lbs.
Gas Consumption	NG Max. 250,000 Btuh- Min. 11,000 Btuh
	LP Max. 250,000 Btuh- Min. 11,000 Btuh
Capacity Range	0.5-11.1 Gal./min.
Thermal Efficiency	84%
Temperature Outputs	100-150°F (in 5°F Intervals), 160, 170, 181.4°F
Included Accessories	Remote Control & Cord, Anchoring Screws


94%
EFFICIENCY

Vent Options

SV

DV



NCC199 Series Condensing

max temp setting: 180°
temp settings: 100-180°
0.5 min gpm- 11.1 max gpm
318 GPH at 70° temperature rise
stainless steel casing
2-unit quick-connect
up to 24-unit multi-system

Dimensions	SV Unit: 24.2" (H) x 18.3" (W) x 9.4" (Depth) DV Unit: 24.4" (H) x 18.4" (W) x 9.4" (Depth)
Weight	73 lbs.
Gas Consumption	NG Max. 199,900 Btuh- Min. 11,000 Btuh
	LP Max. 199,900 Btuh- Min. 11,000 Btuh
Capacity Range	0.5-11.1 Gal./min.
Thermal Efficiency	SV Unit: 93%, DV Unit: 93.3% (NG), 93.9% (LG)
Temperature Outputs	100-150°F (in 5°F Intervals), 160, 170, 181.4°F
Included Accessories	Remote Control & Cord, Anchoring Screws, Condensate Neutralizer


84%
EFFICIENCY

Vent Options

DVC

OD

NC199 Series

max temp setting: 180°
temp settings: 100-180°
0.5 min gpm- 9.8 max gpm
288 GPH at 70° temperature rise
2-unit quick-connect
up to 6-unit multi-system

Dimensions	DVC Unit: 23.6" (H) x 13.8" (W) x 10.2" (Depth) OD Unit: 23.6" (H) x 13.8" (W) x 9.4" (Depth)
Weight	DVC Unit: 55 lbs. OD Unit: 47 lbs.
NC199-DVC Gas Consumption	NG Max. 199,900 Btuh- Min. 11,000 Btuh
	LP Max. 199,900 Btuh- Min. 11,000 Btuh
NC199-OD Gas Consumption	NG Max. 199,900 Btuh- Min. 12,000 Btuh
	LP Max. 199,900 Btuh- Min. 12,000 Btuh
Capacity Range	0.5-9.8 Gal./min.
Thermal Efficiency	84%
Temperature Outputs	100-150°F (in 5°F Intervals), 160, 170, 181.4°F
Included Accessories	Remote Control & Cord, Anchoring Screws

Model Number	Flow	BTU Input	Temperature Rise									
			40°	50°	60°	70°	80°	90°	100°	110°	120°	130°
NC380-SV-ASME	GPH	380,000	792	750	624	534	468	414	372	342	312	288
	GPM	380,000	13.2	12.5	10.4	8.9	7.8	6.9	6.2	5.7	5.2	4.8
NC250-DV-ASME	GPH	250,000	630	504	420	360	318	282	252	228	210	192
	GPM	250,000	10.5	8.4	7	6	5.3	4.7	4.2	3.8	3.5	3.2
NCC199-DV	GPH	199,900	558	444	372	318	276	246	222	204	186	174
	GPM	199,900	9.3	7.4	6.2	5.3	4.6	4.1	3.7	3.4	3.1	2.9
NC199-DVC	GPH	199,900	504	402	336	288	252	222	204	183	168	156
	GPM	199,900	8.4	6.7	5.6	4.8	4.2	3.7	3.4	3.05	2.8	2.6

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