



Commercial Condensing Gas Water Heater

Water tube heat exchanger combined with an optimized burner and ignition system, available from 1250 to 4000 MBTU input

Up to 98% thermal efficiency (99.9% on 4000 model)

Four models from 1250 to 4000 MBTU input

Up to 9:1 turndown

Four pass stainless steel heat exchanger (ASME H and HLW), National Board & CRN

- Easy use touch screen display
- Cascading option
- Optimized serviceability
- Small footprint
- Certifications (including pending): ANSI Z21.10.3/CSA4.3, SCAQMD & TCEQ; AHRI; ASME CSD-1
- 160 PSIG maximum allowable working pressure
- 210°F design temperature

A space saving water heater that's easy to install

The Prime NX Plus is a state-of-the-art condensing gas fired water heater and boiler developed to deliver high performance efficiencies, quality, and durability. At the center of this new design is the ASME certified stainless steel water tube heat exchanger combined with an optimized burner



PRIME SERIES
NX PLUS

and ignition system, available from 1250 to 4000 MBTU input. A fully integrated control system with a full color touch screen provides access to, and continuous monitoring of, critical operating parameters allowing the system to operate at up to 98% efficiency (the NX-4000 operates at 99.9% efficiency). Additionally, the NX Plus is packaged in an outdoor rated enclosure that minimizes required floor space while offering unparalleled access for scheduled services.

Over 100 years of water heating expertise

Hubbell water heaters are the right choice for your commercial and industrial applications. We have water heating solutions for most energy sources with storage capacities from 1–10,000 gallons — all designed, engineered, and manufactured for reliability and longevity coupled with unparalleled support and service.

NOTE: Manufactured in an ISO 9001:2015 facility.



Meets the requirements of the ASME Boiler and Pressure Vessel Code. H/HLW



Standard Features

GENERAL

- 316L stainless steel, condensing heat exchanger
- Extremely low NOx emissions
- Field convertible from NG to LPG
- Maximum setpoint of 194°F (Boiler) and 185°F (Water Heater)
- Integrated relays for main power supply
- Outdoor model by default
- Easy placement with lifting lugs and side access of a forklift
- Easy access during commissioning and maintenance
- Direct-spark ignition
- Sealed combustion
- Low gas pressure operation 3.5 in H₂O NG; 8 in H₂O CP
- Vertical and horizontal vent termination
- Category IV venting up to 150 feet for both inlet and exhaust
- On/Off main power switch
- High and low gas pressure switches with manual reset
- Flow switch

CONTROL MODULE

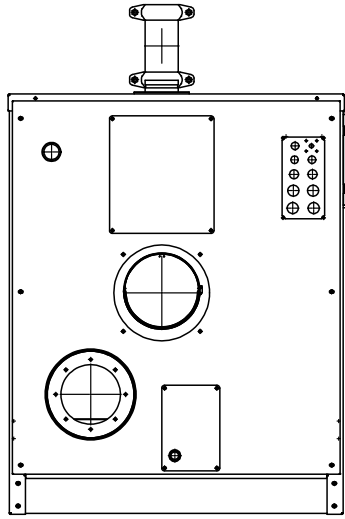
- Integrated cascade manager up to 16 units
- Easy to use full text display
- Most important connectivity options for CH systems, like 0-10V, OpenTherm and Modbus
- Password security
- Low water flow safety control and indication
- Freeze protection
- Service reminder
- Time clock
- Hours running
- Ignition attempts
- Last 10 lockout
- Night setback (on CH model)
- Boost functionality (on CH model)
- High voltage alarm connection
- 18 languages integrated, including English, French and Spanish
- Inlet and outlet temperature sensors



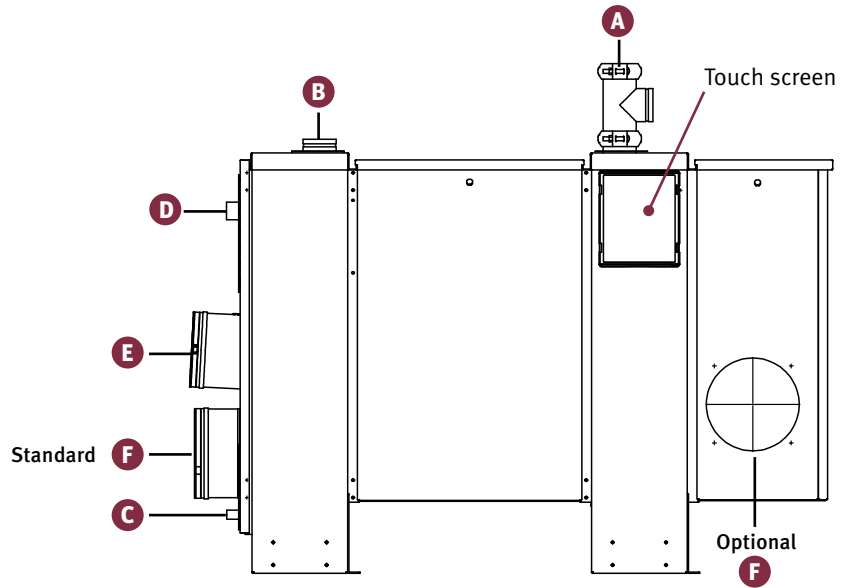
USER INTERFACE

- Easy to use touch screen
- All cascaded units visible in one touch screen
- Cascade performance graph visible
- Single unit performance graph visible
- Boiler status screen shows most important values, like temperatures, status of the unit and much more
- 6 languages integrated, including English, French and Spanish
- Outdoor reset screen for easy adjustments

Water Heater Dimensions



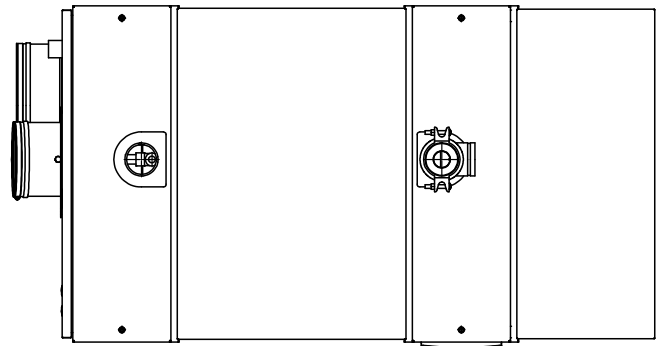
BACK VIEW



SIDE VIEW



OPEN FRONT VIEW



TOP VIEW

All information is subject to change without notice.
Consult factory for submittal drawings.

Prime NX Plus Dimensional Data

Model Number	Input MBH	"A" Supply	"B" Return	"C" Condensate	"D" Gas Inlet	"E" Vent	"F" Air Intake <i>(Standard and Optional)</i>	Size (H" x W" x D")	Weight (lbs) approx*
E-1250	1250	2-½" ANSI FLG	2-½" ANSI FLG	1-¼"	2" NPT	8"	8"	47 x 34 x 55	992
E-2000	2000	2-½" ANSI FLG	2-½" ANSI FLG	1-¼"	2" NPT	8"	8"	47 x 34 x 68	1213
E-3000	3000	4" ANSI FLG	4" ANSI FLG	1-¼"	2" NPT	10"	12"	59 x 46 x 79	1984
E-4000	4000	4" ANSI FLG	4" ANSI FLG	1-¼"	2" NPT	12"	12"	59 x 46 x 95	2314

*Weight empty, without packaging and accessories.

Available Voltages and Phases

Prime NX Plus Number Designation

MODEL	MODEL NUMBER	TYPE	OPTIONAL EQUIPMENT
E	1250 2000 3000 4000	B = Boiler WH = Water heater	Write/type optional equipment code in the gray box below in alphabetical order. For multiple options separate codes with a dash (-)

MODEL	VOLTAGE / PHASE
E-1250	120/1
E-2000	208/3
E-3000	
E-4000	480/3

For the E 1250, 2000, and 3000, a 120 V single phase power supply is needed. However, to connect three phase 208 - 240 V circulators, you can supply this voltage to the boiler.

E — —

Warranty: 5 years on the heat exchanger, covering defects in materials or workmanship. All other components are covered for 1 year.

Example: E-1250WH-C65-G45

A Hubbell Prime NX Plus water heater, 1250 MBTU input with optional outdoor sensor and shockmount feet.

Optional Equipment

Optional equipment must be called out in the written specifications, use the codes below.

Controller

- C65** Outdoor Temperature Sensor
- C66** External Flow Temperature Sensor
- C78** Indirect Tank Sensor: 10kOhm @ 77F (System Sensor)
- C79** Software + Interface Cable for Programming the Boiler) with a Computer/Laptop

Please note:

Optional equipment may impact overall dimensions and weight. Please request submittal drawing from factory.

General

- G43** Vibration Dampers
- G44** Leveling Casters
- G45** Shockmount Feet
- G46** Leveling Feet with Fixing Eye
- G47** Relay DHW or System Pump
- G48** Flange Adapter
- G53** Universal Maintenance Set (E-1250)
- G54** Universal Maintenance Set (E-2000)
- G55** Universal Maintenance Set (E-3000, E-4000)
- G56** Air - Flue Damper 8"
- G57** Air - Flue Damper 10"
- G58** Air - Flue Damper 12"

Available Accessories *(Fill out form below to order accessories.)*

Condensate Neutralization Kit: (Contact factory to order)

Software & Interface Cable: Specify Part # S022.500.015

Accessories Name _____ Part # _____

Accessories Name _____ Part # _____