



RESIDENTIAL TANKLESS WATER HEATER

*Introducing Lochinvar's XCalibur Standard
Condensing Gas Tankless Water Heaters, delivering
robust, on-demand performance and the flexibility to
install in practically any residential setting.*

STANDARD CONDENSING GAS MODELS

X₃® SCALE PREVENTION TECHNOLOGY (PATENTED DESIGN)

PRIMARY COPPER HEAT EXCHANGER,
SECONDARY STAINLESS STEEL

0.95 UEF, ENERGY STAR® CERTIFIED

ULTIMATE FLEXIBILITY - EASE OF INSTALLATION & SERVICEABILITY

DIRECT VENT DESIGN

- 2" PVC up to 50'
- 3" PVC up to 150'

PERFORMANCE & EFFICIENCY

- 160,000, 180,000, 199,000 BTU/HR
- 10,000 BTU MIN. INPUT
- ULTRA LOW NOX - COMPLIES WITH SCAQMD RULE 1146.2*



LTM - 160X3, LTM - 180X3,
LTM - 199X3
(with X3 prevention cartridge)



LTM - 160X3, LTM - 180X3,
LTM - 199X3
(with optional outdoor kit)



LTM - 160M, LTM - 180M,
LTM - 199M (with bypass manifold)

*Ultra Low NOx - Complies with SCAQMD Rule 1146.2 and other air quality management districts with similar NG NOx emission requirements of 14 ng/J or 20 ppm. Complies with NJVAPCD Rule 4308 and other air quality management districts with similar LP NOx emission requirements of 77 ppm.



Lochinvar®
HIGH EFFICIENCY BOILERS & WATER HEATERS

X3 SCALE PREVENTION TECHNOLOGY (PATENTED DESIGN)

Integrated into all X3 models; optional accessory for Bypass Manifold (M) models and can be added at any time

No annual descaling required with X3

X3 models maintain like-new performance longer

No scale buildup means the heater maintains like-new performance longer

Extends life up to three times versus unprotected unit

HEAT EXCHANGERS DESIGN

Primary - Copper; Secondary - Single stainless steel

PERFORMANCE & EFFICIENCY

Max flow rate 10.5 GPM*, 0.4 GPM activation; 0.26 GPM for continuous fire

Water pressure min-max 15-150 PSI (40 PSI recommended for Maximum Flow)

Ultra-Low NOx emissions - Complies with SCAQMD Rule 1146.2**

Elevation: Certified from Sea Level to 7,800 ft.

Sound Level: 51 dB***

ULTIMATE FLEXIBILITY - EASE OF INSTALLATION & SERVICEABILITY

Universal indoor or outdoor installation; Outdoor Vent Cap Kit sold separately

Fuel type - Natural Gas

Wall-mount design saves valuable space; hanging bracket and hardware included

3/4" NPT gas & hot/cold water connections

Supply Gas Pressure (NG) Min. - Max. in W.C. (kPa) 4.0 - 10.5

Pressure Relief Valve included with X3 models

Outdoor rated power cord standard on every unit

Cascade up to 12 units with single cable per heater, cable included

Temperature setting: 100°F to 140°F; Factory default 120°F

Approved for installation in manufactured homes

Electronic Ignition System

Internal freeze protection system to -5°F +

Power Supply: 120V, 50Hz/60Hz, <5A

DIRECT VENT DESIGN

Exhaust venting, 2" PVC up to 50'; 3" PVC up to 150'

Power Direct Vent

Flexible venting with PVC, CPVC, Polypropylene, or ABS pipe (Solid Core Only)

WARRANTY

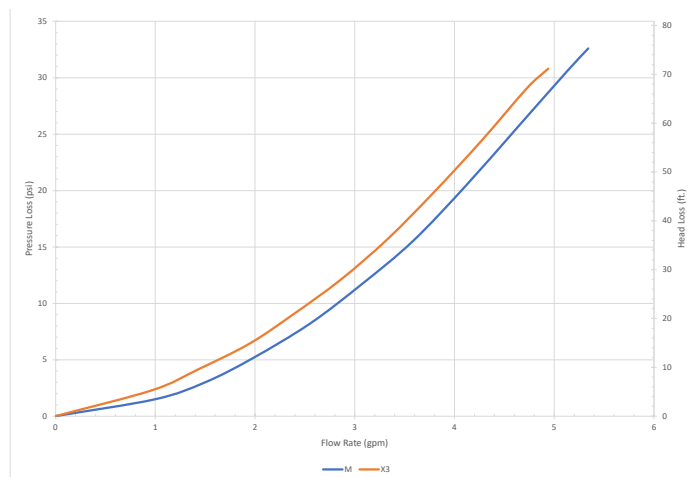
No hard water exclusions on X3 models; exclusions apply to M models

15-year limited warranty on heat exchanger in residential applications

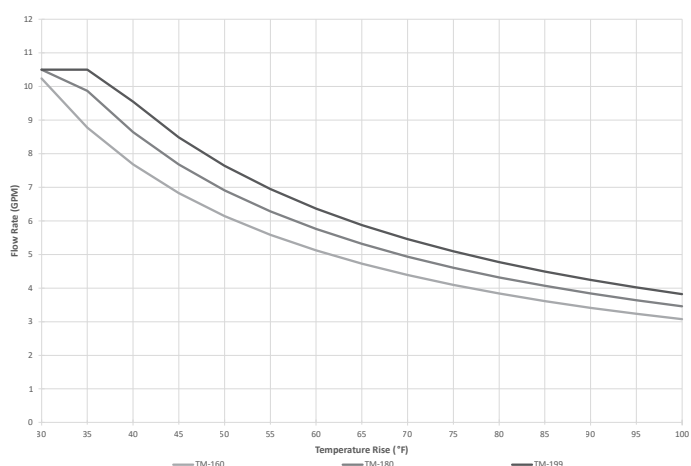
5-year limited warranty on all parts in residential applications

1-year limited warranty on heat exchanger and parts in commercial applications

PRESSURE LOSS



TM FLOW RATE CAPACITY




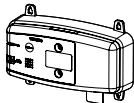
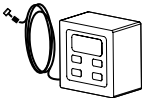

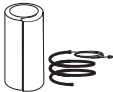




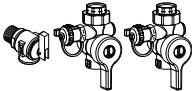
* Current numbers based on factory settings.

+ Internal freeze protection for heater only; both Bypass cartridge and X3 cartridge require anti-freeze kits sold separately.

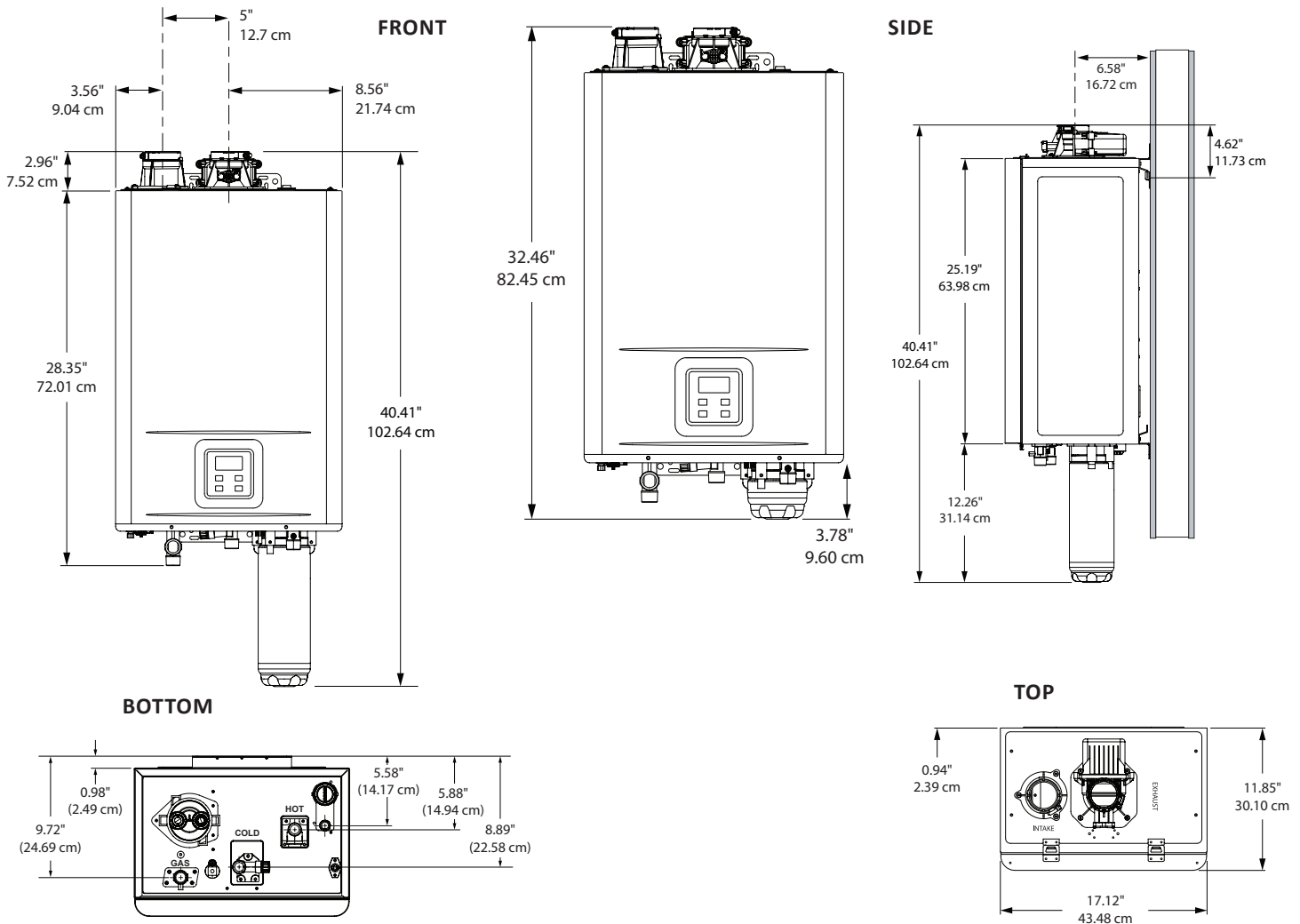
**Ultra Low NOx - Complies with SCAQMD Rule 1146.2 and other air quality management districts with similar NG NOx emission requirements of 14ng/J or 20 ppm at 3% O2

***Measured in an anechoic chamber

ACCESSORIES

Item		Description
X3 Cartridge 100368986		Add to an M model heater to prevent scale buildup and eliminate the need for annual descaling maintenance.
Wi-Fi Module Kit 100371922		Wi-Fi Module for electronically connecting tankless water heaters to the internet and adapter to connect to the water heater. <ul style="list-style-type: none"> • Module (1x) • Cable (1x) • Adapter (1x)
Remote Temperature Controller 100383909		Remote Temperature Controller with 10' (3 m) cable.
Communication Cable - 10' (3 m) 100377341 Communication Cable - 32' (10 m) 100377342		Replacement Communication Cable for Remote Temperature Controller or WIFI Module, or On-Demand Receiver, 10' (3 m). Extended Communication Cable for Remote Temperature Controller or WIFI Module, or On-Demand Receiver, 32' (10 m).
X3 Freeze Protection (X3 Models) 100325654		X3 Cartridge Freeze Protection can add an extra layer of freeze protection to external SCM cartridge. Cartridge not protected by heater's internal freeze protection.
Bypass Freeze Protection (M Models) 100371918		Bypass Freeze Protection can add an extra layer of freeze protection to external Bypass cartridge. Cartridge not protected by heater's internal freeze protection.
Pipe Cover 100383908		Pipe Cover protects plumbing connections to the heater while improving the appearance of the installation. Affixes to bottom of heater.
Neutralizer Assembly Kit 100112159		Neutralizer Assembly neutralizes the condensate (acidic water) that forms in the heat exchanger of the water heater. It connects to the condensate drain port of the water heater by using connectors included with the neutralizer kit.
Outdoor Vent Cap Kit 100369060		Vent cap kit and accessories for installing the tankless heater outdoors. Kit contains: <ul style="list-style-type: none"> • Vent Cap (1x) • User Interface Overlay (1x)
Isolation Valve Kit with Pressure Relief Valve 100112156		Isolation Valve supports routine maintenance and allows for draining and flushing the heater; whereas, the Pressure Relief Valve, as the name implies, serves to limit internal pressure in the system. Not necessary for X3 models. Check local codes for applicability.

DIMENSIONS AND SPECIFICATIONS***



XCALIBUR STANDARD CONDENSING GAS TANKLESS

DIMENSIONS AND SPECIFICATIONS

Model Number*	X3 Scale Prevention Technology	Gas Con. Input Min. BTU/HR	Gas Con. Input Max. BTU/HR	Max. GPM**	Activation GPM	Continuous Fire GPM	Water Pressure PSI Min-Max^	Supply Gas Pressure (NG)		Hot/Cold Conn.	Gas Conn.	Shipping Dimensions****			Ship Weight (lbs.)
								Min. in W.C. (kPa)	Max. in W.C. (kPa)			H	W	D	
LTM-160M-N	Optional	10,000	160,000	10.5	0.4	0.26	15-150	4.0 (1.0)	10.5 (2.6)	3/4" NPT	3/4" NPT	17.4"	22.1"	39.25"	93
LTM-160X3-N	Integrated	10,000	160,000	10.5	0.4	0.26	15-150	4.0 (1.0)	10.5 (2.6)	3/4" NPT	3/4" NPT	17.4"	22.1"	39.25"	93
LTM-180M-N	Optional	10,000	180,000	10.5	0.4	0.26	15-150	4.0 (1.0)	10.5 (2.6)	3/4" NPT	3/4" NPT	17.4"	22.1"	39.25"	93
LTM-180X3-N	Integrated	10,000	180,000	10.5	0.4	0.26	15-150	4.0 (1.0)	10.5 (2.6)	3/4" NPT	3/4" NPT	17.4"	22.1"	39.25"	93
LTM-199M-N	Optional	10,000	199,000	10.5	0.4	0.26	15-150	4.0 (1.0)	10.5 (2.6)	3/4" NPT	3/4" NPT	17.4"	22.1"	39.25"	93
LTM-199X3-N	Integrated	10,000	199,000	10.5	0.4	0.26	15-150	4.0 (1.0)	10.5 (2.6)	3/4" NPT	3/4" NPT	17.4"	22.1"	39.25"	93

All models are Energy Star® certified.

* Universal install; outdoor installation requires outdoor vent cap kit (Part No. 100369060) sold separately; ** Current numbers based on factory settings; ***Height with required cartridge installed;

M models with Bypass Manifold cartridge, X3 models with Scale Control Media cartridge from flue collar to tip of cartridge. ****Packaged and shipped on unit back.

^ 40 PSI Recommended for Maximum Flow

Included with Heater: Manual, Pressure Relief Valve (X3 models only), Wall Mounting Bracket and Hardware, Vent Port Screws, Cascading Cable, Bird Screens

For technical information call 800-722-2101. Lochinvar, LLC reserves the right to make product changes or improvements without prior notice.



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CSA/ANSI Z21.10.3 · CSA 4.3

Complies with
SCAQMD
Rule 1146.2
California and Texas

