

[Manuals.plus](#) /

› [Noritz](#) /

› Noritz GT-1651SAWX-FFA-2BL 16-Number Gas Water Heater User Manual

Noritz GT-1651SAWX-FFA-2BL

Noritz GT-1651SAWX-FFA-2BL Gas Water Heater User Manual

Model: GT-1651SAWX-FFA-2BL | For City Gas (12A, 13A)

[Safety Information](#)

[Installation](#)

[Operation](#)

[Maintenance](#)

[Specifications](#)

[Warranty & Support](#)

INTRODUCTION

This manual provides essential information for the safe and efficient use of your Noritz GT-1651SAWX-FFA-2BL Gas Water Heater. This 16-number unit is designed for indoor wall-mounted installation with a forced exhaust system, suitable for City Gas (12A, 13A). Please read all instructions carefully before installation and operation.

INSTALLATION

The Noritz GT-1651SAWX-FFA-2BL is an indoor wall-mounted, forced exhaust type gas water heater. Proper installation is critical for safety and performance.

Installation Requirements:

- **Gas Type:** For City Gas (12A, 13A).
- **Mounting:** Indoor wall-mounted.
- **Exhaust Method:** Forced exhaust type (push-in).
- **Power Supply:** AC100V (50/60Hz).

Connection Details:

- **Water Supply/Hot Water Connection:** R1/2 (15A) or R3/4 (20A).
- **Gas Connection:** R1/2 (15A) (TU connection possible).
- **Bath (Flow/Return) Connection:** R1/2 (15A).
- **Electrical Conduit Connection:** C31.

Circulation Pipe Installation:

The maximum length for circulation pipe installation is 25 meters for Ø12.7 copper pipes (with up to 10 bends) or Ø10 resin pipes (with an inner diameter of 8 or more). For lengths between 15-25 meters, use a circulation adapter HX series and adjust settings according to the installation manual.

- **Upper Limit:** The circulation pipe must be within 7 meters from the bottom of the appliance to the overflow edge of the bathtub.
- **Lower Limit:** The circulation pipe must be within 2 meters from the bottom of the appliance to the circulation adapter.
- If there are obstacles in the path of the circulation pipe, ensure it is within 3 meters and at one location.

Exhaust Pipe Installation:

The exhaust pipe extension must use a specified exhaust pipe top. Installation should be within 1 to 3 bends and within 7 meters. The exhaust pipe diameter is Ø80-Ø120, double pipe.

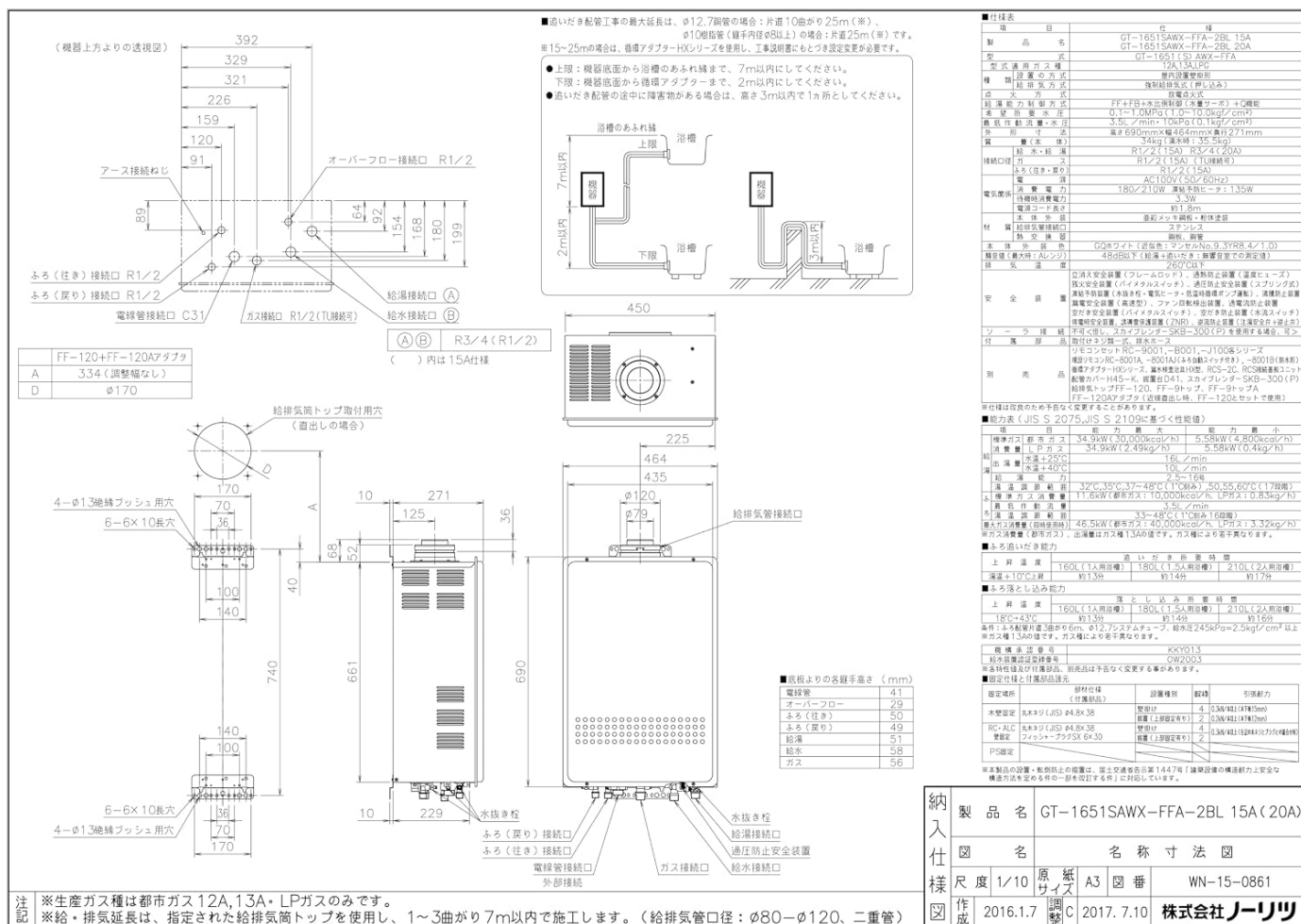


Image: Technical diagram showing dimensions, connection points, and circulation pipe installation guidelines. Refer to this diagram for precise measurements and connection types.

OPERATING INSTRUCTIONS

The Noritz GT-1651SAWX-FFA-2BL offers various functions for comfortable hot water supply and bathing.

Key Features:

- **Auto Function:** Automatically fills the bathtub to a preset level and maintains the temperature.
- **Mild Reheating:** Gently reheats bathwater to a comfortable temperature.
- **Bath Insulation:** Maintains bathwater temperature for extended periods.
- **Reheating:** Reheats the bathwater.
- **Hot Water Addition:** Adds hot water to the bathtub.
- **Water Addition:** Adds cold water to the bathtub.
- **Boiling Reservation:** Allows you to set a time for the bath to be ready.
- **Q Function:** Provides stable hot water supply even with fluctuating water pressure.
- **Low-Temperature Hot Water Output:** Delivers hot water at lower temperatures for specific needs.
- **Power-Saving Mode:** Optimizes energy consumption.
- **Turbo Hot Water:** Provides a quick boost of hot water.
- **Bath Cleaning/Automatic Drain Valve:** Facilitates easy cleaning and draining of the bathtub.

Note: Remote control units are sold separately and are required to access and control many of these advanced features.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your gas water heater.

Routine Checks:

- **Inspection Notification:** The unit may display an inspection notification after a certain period of use. Follow the instructions in the remote control manual or contact a qualified service technician for scheduled inspections.
- **Bath Cleaning:** Utilize the 'Bath Cleaning/Automatic Drain Valve' function for easy cleaning of the bathtub.
- **External Cleaning:** Keep the exterior of the unit clean. Use a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Frost Prevention:** The unit is equipped with a frost prevention device. Ensure the power supply is not interrupted during cold weather to allow this feature to operate.

For any complex maintenance or repairs, always contact a qualified Noritz service technician.

TROUBLESHOOTING

If you encounter issues with your gas water heater, please refer to the following basic troubleshooting steps. For persistent problems, contact a qualified service technician.

Common Issues:

- **No Hot Water:** Check if the gas supply is open and if the power supply to the unit is active. Ensure the remote control is set to the desired temperature and mode.
- **Error Codes:** If an error code appears on the remote control, consult the remote control manual for specific meanings and solutions.
- **Low Hot Water Pressure:** Check your household water pressure. Ensure all water valves are fully open.
- **Unusual Noises:** If you hear unusual noises, turn off the unit and contact a service technician immediately.

WARNING: Do not attempt to repair gas or electrical components yourself. This can lead to serious injury or property damage.

SPECIFICATIONS

Item	Specification
Product Name	GT-1651SAWX-FFA-2BL 15A (20A)
Model Type	12A, 13A, LPG (City Gas 12A, 13A for this model)
Installation Method	Indoor Wall-Mounted
Exhaust Method	Forced Exhaust Type (Push-in)
Ignition Method	Spark Ignition

Item	Specification
Hot Water Capacity Control	FF+FB+Water Proportional Control (Water Servo) + Q Function
Required Water Pressure	0.1~1.0MPa (1.0~10.0kgf/cm ²)
Minimum Operating Flow/Pressure	3.5L/min 10kPa (0.1kgf/cm ²)
External Dimensions (H x W x D)	690mm x 464mm x 271mm
Weight (Main Unit)	34kg (35.5kg when full)
Water Supply/Hot Water Connection	R1/2 (15A) R3/4 (20A)
Gas Connection	R1/2 (15A) (TU connection possible)
Bath (Flow/Return) Connection	R1/2 (15A)
Power Supply	AC100V (50/60Hz)
Power Consumption	180/210W (Frost Prevention Heater: 135W)
Standby Power Consumption	3.3W
Power Cord Length	Approx. 1.8m
Main Unit Exterior Material	Galvanized steel sheet, powder coated
Heat Exchanger Material	Copper plate, copper pipe
Exterior Color	GQ White (Approximate Munsell No. 9.3YR8.4/1.0)

Item	Specification
Noise Level (Max. A-range)	48dB or less (Hot water supply + Reheating, measured in an anechoic chamber)
Safety Devices	Flame failure, Overheat prevention, Residual flame, Overpressure prevention, Frost prevention, Leakage current, Fan rotation detection, Overcurrent prevention, Dry-burn prevention, Power outage, Lightning surge protection, Backflow prevention
Manufacturer Model Number	0142B17
ASIN	B0D788YQL7

Hot Water Supply Capacity (JIS S 2075, JIS S 2109):

Item	Min. Capacity	Max. Capacity
Standard Gas (City Gas)	34.9kW (30,000kcal/h)	5.58kW (4,800kcal/h)
Consumption (LPG)	34.9kW (2.49kg/h)	5.58kW (0.4kg/h)
Hot Water Output (+25°C)	16L/min	2.5-16 numbers
Hot Water Output (+40°C)	10L/min	
Hot Water Temperature Range	32°C, 35°C, 37~48°C (1°C increments), 50, 55, 60°C (17 settings)	
Standard Gas Consumption	11.6kW (City Gas: 10,000kcal/h, LPG: 0.83kg/h)	
Minimum Operating Flow	3.5L/min	
Bath Temperature Range	33~48°C (1°C increments, 16 settings)	
Max Gas Consumption (during 4 hours)	46.5kW (City Gas: 40,000kcal/h, LPG: 3.32kg/h)	

Note: Gas consumption and hot water output values are for Gas Type 13A and may vary slightly depending on the gas type.

Bath Reheating Performance:

Temperature Rise	160L (1-person bath)	180L (1.5-person bath)	210L (2-person bath)
Water Temp +10°C Rise	Approx. 13 min	Approx. 14 min	Approx. 17 min

Bath Water Addition Performance:

Temperature Rise	160L (1-person bath)	180L (1.5-person bath)	210L (2-person bath)
18°C to +43°C	Approx. 13 min	Approx. 14 min	Approx. 16 min

Conditions: Bath piping one way 3 bends 6m, Ø12.7 system tube, water supply pressure 245kPa = 2.5kgf/cm² or more. Values are for Gas Type 13A and may vary slightly depending on the gas type.

WARRANTY & SUPPORT

Noritz provides a warranty for its products. However, please be aware of the following:

- Faults and damages caused by installation that deviates from the specified conditions in this manual will result in paid repairs, even if they occur within the warranty period.
- Customers are responsible for arranging the installation and related work for the appliance.
- Parts not included with the product must be prepared by the customer.
- Noritz cannot compensate for construction delays caused by product delays.

For warranty claims, technical support, or to schedule service, please contact your authorized Noritz dealer or a qualified service technician. Always provide your model number (GT-1651SAWX-FFA-2BL) and serial number when seeking support.

© 2017 Noritz Corporation. All rights reserved.

Specifications are subject to change without notice for product improvement.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Email

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Details

Submit question