

## Calculation Conditions

### Shower

#### **【Calculation conditions】**

Calculated under the conditions of a three-person household in the "Technical Information on Evaluating Energy Consumption Performance in Accordance with Energy Conservation Standards of Residential".

#### **【Comparison product】**

Average flow rate based on the sales volume of the company's products [optimum flow rate 8.5L, 10L] in 2005

#### **【Source】**

"Technical information on evaluation of energy consumption performance in accordance with energy conservation standards of Residential" : Building Research Institute

"Investigation of Years of Use of Residential Plumbing Equipment" : Transactions of the Society of Heating, Air-conditioning and Sanitary Engineers of Japan

### WASHLET

#### **【Calculation conditions】**

Based on "Act on the Rational Use of Energy", the figures were calculated using formulas for each type of Hot water supply , with seasonal calculations for toilet seats and annual averages for hot water, based on a family of four (two males and two females) using 16 times per day.

#### **【Comparison product】**

Average energy consumption of each type of Hot water supply based on the sales volume of the company's products in 2005.

#### **【Source】**

"Act on the Rational Use of Energy"

"Investigation of Years of Use of Residential Plumbing Equipment" : Transactions of the Society of Heating, Air-conditioning and Sanitary Engineers of Japan.

### Toilets

#### **【Calculation conditions】**

Calculated based on the "Approach Book for Promoting Energy-Saving and Security Housing" and the Ministry of Health, Labor and Welfare's "Comprehensive Survey of Living Conditions", assuming a family of three each uses using 1 times large flush and each uses using 3 times small flush per day.

#### **【Comparison product】**

Average volume of water used for washing based on the sales volume of the company's products [6L, 8L, 10L, 12L, 13L, 16L per each large flush] in 2005.

#### **【Source】**

Approach Book for Promoting Energy-Saving and Crime-Proof Housing

Comprehensive Survey of Living Conditions

*Investigation of Years of Use of Residential Plumbing Equipment* : Transactions of the Society of Heating, Air-conditioning and Sanitary Engineers of Japan

[CO<sub>2</sub> emission coefficients from electricity (Japan)]

The FY2022 CO<sub>2</sub> Emissions Report (reported values) from the Electric Power Council for a Low Carbon Society (ELCS)

[CO<sub>2</sub> emission coefficients from electricity (overseas)]

IEA (International Energy Agency), "CO<sub>2</sub> Emissions from Fuel Combustion 2023"

[CO<sub>2</sub> emission coefficients from water (Japan)]

Japan Sanitary Equipment Industry Association, "CO<sub>2</sub> Conversion Coefficients from Water"

[CO<sub>2</sub> emission coefficients from water (overseas)]

CO<sub>2</sub> emission coefficients from water in sales areas (figures published in reports and other materials by the Ministry of the Environment and the Ministry of Economy, Trade and Industry of Japan.

Some of the figures are based on their neighboring or similar countries)

Reflects changes to electricity coefficients in each area for [CO<sub>2</sub> emission coefficients from electricity(overseas)]

[CO<sub>2</sub> emission coefficients from gas]

"Guidelines for Calculation of Greenhouse Gas Emissions" published by the Ministry of the Environment and the Ministry of Economy, Trade and Industry of Japan