



Product Name	Electric Instant Water Heater Yu-ba
Model	Yu-ba9800
Specifications	Working Voltage: 200-240 V / Working Power: 17 kW / Actual Power: 16.5 kW / Working Power Supply: 3-phase, 3-line / Thermal Efficiency: 180%
Dimensions	Total length: 600 mm / Total height: 300 mm / Depth: 90 mm
Weight	10kg
Maximum Water Temperature	51°C (75°C for special-purpose models)
Flow Rate	17 liters / minute (42°C)
Operating Model	Circulating oil feed
Price	540,000 yen (tax included)
Precautions	To implement Yu-Ba9800, it will first be necessary to replace your ordinary electric meter with a three-line meter. The product price does not include any installation costs.

Product Overview

Electric Instant Water Heater Yu-ba creates 40°C water in 15 seconds

Yu-ba can be used in the same manner as gas water heaters, and provides a heat exchange rate of 98%. 40°C water can be created in as little as 15 seconds. This instant electric water heater is friendly to the environment -- and your power bills. Operated solely on electricity, this water heater utilizes a three-phase, three-line power supply to heat large volumes of water using minimal energy. The simple six-setting switch allows the user to easily change water temperatures. By utilizing three-phase, three-line power supply, Yu-ba offers higher efficiency than traditional electric water heaters, maintaining a high flow rate while effectively reducing energy consumption.

Recommended for corporate customers who...

- Want to reduce electricity bills for their existing water heaters
- Are using boilers or other combustion heaters.
- Are unable to install commercially available water heaters due to space or location restrictions.

Yu-ba Performance Test Results

Quick Heating Speeds

9 L / 1 min.



Test Results

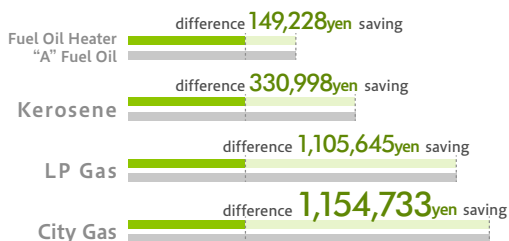
Flow Rate = 9 L / minute, heating 16°C water to 46°C
※ 46°C-16°C = 30°C temperature increase performed.

Performance

9 L / minute × 60 minutes = 540 L / hour (0.54 tons / hour)
540 L / hour (0.54 tons / hour) × 30°C water temperature increase = 16,200 kcal / hour
※ This performance will allow 1 ton of water at 0°C to be raised to 16.2°C in 1 hour.
16,200 kcal / hour × 24 hours = 388,800 kcal / day

Yu-ba Running Cost Comparative Calculation

Cost Comparison (Yearly) Yu-ba Costs Traditional Method Costs



- Compared to Fuel Oil Heater "A" Fuel Oil (assumed cost 70 yen / L)
388,800 kcal / day ÷ 9,384 kcal / L ("A" fuel oil energy density) = 41.4 L / day
41.4 L / day × 70 yen / L = 2,898 yen / day
- Compared to Kerosene (assumed cost 77 yen / L)
388,800 kcal / day ÷ 8,808 kcal / L (Kerosene energy density) = 44.1 L / day
44.1 L / day × 77 yen / L = 3,396 yen / day
- Compared to LP Gas
388,800 kcal / day ÷ 21,800 kcal / m³ (LPG energy density) = 17.8 m³ / day
17.8 m³ / day × 365 days / year = 6,497 m³ / year
4,915 yen (basic service fee) × 12 months = 508,980 yen / year
6,497 m³ / year × 300.94 yen / m³ = 1,955,207 yen / year
508,980 yen / year (basic service fees) + 1,955,207 yen / year = 2,014,187 yen / year
- Compared to City Gas
388,800 kcal / day ÷ 10,750 kcal (city gas energy density) = 36.2 m³ / day
36.2 m³ / day × 365 days / year = 13,213 m³ / year
13,213 m³ / year × 183.24 yen / m³ = 2,421,150 yen / year
2,760.45 yen (basic service fee) × 12 months = 33,125 yen / year
33,125 yen / year (basic service fee) + 2,421,150 yen / year = 2,454,275 yen / year

Contact Us about this Product

FREEDOM Co.,Ltd.

1st Floor, Yamazaki Building, 1-8-13 Nishi Kanagawa, Kanagawa Ward, Yokohama City, 221-0822

Tel: 045-548-3259 • Fax: 045-548-3269

E-mail: info@fdmjp.co.jp

WEB: <http://www.fdmjp.co.jp/en/>

Online Shop: <http://www.shopfdmjp.net/>

About
this Product

