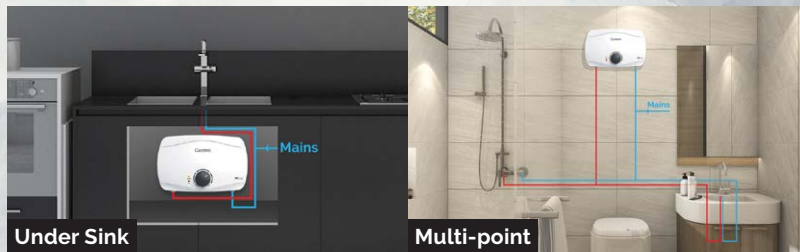


# Centon



## *Forza* series Instant Water Heater

USE CASES



Export  
Excellence  
Award  
2019

with



**Fuzzy Logic  
Control**



**ultrahot**  
Upgraded to **7.0kW**



**extrahot**  
Upgraded to **5.5kW**



Image for illustration purposes only.  
Please consult a certified plumber and obey all building regulations.

# Full Specifications

- Fuzzy Logic Control**  
Artificial intelligence that stabilizes output water temperature even when input water temperature and water flow rate fluctuates.
- Heavy Duty Copper Tank**  
Anti-leak tank that can withstand high water pressure up to 8.5 Bar, more than double the pressure limit of a plastic tank.
- Built-in Residual Current Device (RCD)**  
Automatically Power supply cuts off in the event of current leakage.
- Built-in Flow Sensor**  
Cuts off power in the event water flow is less than the rated flow.
- Double Function Thermostat**  
Protects from the risk of scalding in case of overly high temperature.
- IP25 Splash Proof Casing**  
Protection against water jet spray from all possible directions.
- Built-in Voltage Surge Protector**  
Protects internal electrical circuit from electrical surges and voltage spikes, including those caused by lightning.
- UK Technology Heating Element**  
Advanced heating technology providing users with instant hot shower water flow.
- Unlimited Capacity Hot Water Supply**  
Tankless instantaneous water heater technology provides on-demand constant supply of hot water instantly.

# Technical Info

## Suruhanjaya Tenaga Guidelines on Minimum Conductor Sizes

Water Heater Rating @230v	Load	MCB/RCD (Minimum)	Live	Neutral	PE
< 2.856W	12.4A	16A	4mm <sup>2</sup>	4mm <sup>2</sup>	4mm <sup>2</sup>
> 2.856W to < 3.570W	15.5A	20A	4mm <sup>2</sup>	4mm <sup>2</sup>	4mm <sup>2</sup>
> 3.570W to < 4.462W	19.4A	25A	4mm <sup>2</sup>	4mm <sup>2</sup>	4mm <sup>2</sup>
<b>&gt; 4.462W to &lt; 5.711W</b>	<b>24.8A</b>	<b>32A</b>	<b>4mm<sup>2</sup></b>	<b>4mm<sup>2</sup></b>	<b>4mm<sup>2</sup></b>
Centon Forza <b>5.5kW</b> requires <b>4mm<sup>2</sup></b> cables					
<b>&gt; 5.711W to &lt; 7.139W</b>	<b>31A</b>	<b>40A</b>	<b>6mm<sup>2</sup></b>	<b>6mm<sup>2</sup></b>	<b>6mm<sup>2</sup></b>
Centon Forza <b>7.0kW</b> requires <b>6mm<sup>2</sup></b> cables					
> 7.139W to < 8.924W	38.8A	50A	10mm <sup>2</sup>	10mm <sup>2</sup>	10mm <sup>2</sup>

For more info on these guidelines, please refer to MS IEC 60364

# Distributed by

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41200 Klang, Selangor, Malaysia

[www.centon.my](http://www.centon.my) [support@centonia.my](mailto:support@centonia.my)

# Technical Data

- Heater Electrical Rating**  
7kW, 240Vac, 50Hz / 5.5kW, 240Vac, 50Hz
- Min. Water Flow Rate**  
2 litre / min
- Max. Water Pressure**  
0.60MPa (6bar/87psi)
- Water Temp. Control**  
Fuzzy Logic
- Water Connection**  
15mm dia. (1/2" BSP)
- Heater Unit Dimensions**  
308mm (L) x 195mm (W) x 98mm (H)
- Total Installed Footprint**  
(Heater & Isolation Barrier + Pressure Relief Valve)  
308mm (W) x 295mm (L) x 98mm (H)
- Heater Weight**  
1.80Kgs

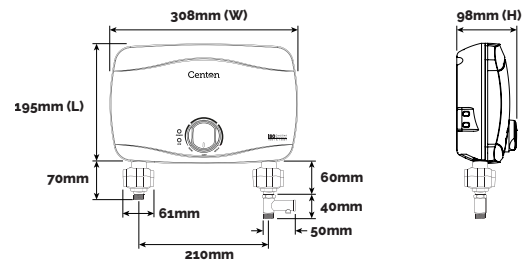
# e-Warranty System

Register & check for remaining warranty period ONLINE

- 10 YEARS** Anti-Leak Tank
- 5 YEARS** Heating Element
- 1 YEAR** Other Electrical & Electronic Parts



## Measurements



## Flow Rate vs Output Water Temperature

Incoming Temp.	25°C (KL)		15°C (Genting)	
	5.5 kW	7.0 kW	5.5 kW	7.0 kW
2	50.0°C	50.0°C	50.0°C	50.0°C
3	48.4°C	50.0°C	38.4°C	44.7°C
4	42.5°C	47.3°C	32.5°C	37.3°C
5	39.0°C	42.8°C	29.0°C	32.8°C
6	36.7°C	39.9°C	26.7°C	29.9°C
7	35.0°C	37.7°C	25.0°C	27.7°C
8	33.8°C	36.2°C	23.8°C	26.2°C
9	32.8°C	34.9°C	22.8°C	24.9°C
10	32.0°C	33.9°C	22.0°C	23.9°C

Output Temp.

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