

## AQUA COMFORT TURBO GT-23-03



Instantaneous gas water heaters of Aqua Comfort turbo line are characterized by high reliability, modern design and very simple operation. The heaters belong to devices group with closed combustion chamber (C type) and they can be mounted in rooms with small cubic capacity (insufficient to mount the heaters with open combustion chamber). A necessary air in combustion process is drawn from the outside. Exhaust fumes are thrown out by built-in fan, whereby the natural chimney draft is not required (like in heaters with open combustion chamber – B type). Combustion process takes place in a closed, hermetic combustion chamber – without contact with room where is mounted. The result of that is a lack of pollutants formed during combustion process and a significant noise reduction. The heaters are a perfect solution for summer houses and campers. The devices have an electronic ignition with ionization flame control (a lack of a flame on the burner) and a linear modulation of the burner power which allows for keeping a constant water temperature. Adjustment by two buttons – MAX and MIN, and the temperature is showing on LCD display. Copper heat exchanger is made in accordance with new technology. The exchanger provides high efficiency, a long-term and a trouble-free operation. The heater is also equipped with an auto-diagnostic system – error codes are shown on LCD display.

- electronic ignition with ionization flame control
- transparent control board with LED display
- modern gas valve
- electronic linear power modulation allows for maintain constant water temperature
- heat exchanger made of copper
- protection against gas outflow
- limiter of water temperature
- differential pressure sensor
- control the patency of air and flue-gas system
- protection against boiler start-up when a fan is defective
- very simple device handling – setting the desired temperature by two buttons: MIN and MAX

<b>parameters</b>	<b>Value</b>
Nominal thermal power	23,0 kW
Minimal thermal power	5,7 kW
Nominal heat load	24,5 kW
Minimal heat load	6,6 kW
Thermal efficiency	94 %
Water operating pressure	0,2÷10 bar
Hot water outlet ( $\Delta t \leq 25^{\circ}\text{C}$ )	2÷13 dm <sup>3</sup> /min
Maximaum temperature of outlet water	60 °C
Daily fuel consumption $Q_{\text{fuel}}$	14,577 kW
Energy efficiency of water heating $\eta_{\text{wh}}$	76 %
Energy efficiency class of water heating	A
Load profile	L
Sound power level LWA	52 dB
Dimensions	585x360x220 mm
Heater weight	16,5 kg
Gas connection	G 1/2 inch
Cold water connection	G 1/2 inch
Hot water connection	G 1/2 inch