W-22

Provides up to 220 liters of fresh, clean drinking Water From Air daily

W-22 is a medium-scale mobile Atmospheric Water Generator. It is the ideal solution for schools, universities, construction sites, clinics, public pools, off-grid housing, temporary localities, and private residential homes seeking a new, off-the-grid drinking water source. W-22 doesn't require any infrastructure besides an electrical socket and works absolutely independently from exisiting piping. Using patented GENius technology, W-22 enables the creation of up to 220 liters of fresh, safe, and tasty drinking water from the air around us every day. The device uses innovative water purification technology for sediment filtration, mineralization, activated carbon, and microbiological treatment.

W-22 is one of the most energy-efficient AWGs on the market, enabling more water production with less electricity consumption. W-22 produces drinking water in a wide range of climate conditions: from 15°C and 20% humidity.

With no internal tank, the W-22 can be equipped with a complementing systen, an external water storage tank with an attached smart quality system including a controller and malfunction alert system. The complementing system keeps the water fresh all day by circulating it around the reservoir, ensures a bigger storage capacity for the device and access to more high-quality drinking water.

W-22 Advantages

Fresh and safe
Produces up to 220 liters of drinking water per day

Environmentally friendly
Reduces plastic waste, logistics, transportation and storage

Unique and innovative
Patented heat-exchange technology

Standards compliance
Complies with international drinking water safety standards

Water production
starts from 15°C and 20% humidity

Fully mobile
Fitted with wheels for full mobility, no plumbing needed

Plug & drink
Needs only connection to a single-phase electrical socket

Complementary system (optional)
External drinking water storage and high-quality treatment system

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Technical specification

Category	Specification	Value	
		Imperial	Metric
Dimensions	Length	62.6”	1590 mm
	Width	33.1”	840 mm
	Height	51.2”	1300 mm
	Weight	771.6 pounds	350 kg
Operation, storage and transportation climate	Operation	59°F-104°F	15°C-40°C
		≥15%	
	Storage and transportation	14°F-167°F	-10°C to 75°C
Air filters	Filtration method	Multi-barrier air filtration	
Water production and purification	pH	6.5-8.5	
	Purification method	Removing heavy metals, particles filtration, biological treatment, organic compounds (VOC, SVOC) and mineralization by ultraviolet-C germicidal reactor	
	Production Capacity Per Day	58.1 gallons (26.6°C/60%RH)	220 L (26.6°C/60%RH)
	Refrigerant	R410A	
	Dispensing options	Ambient	Ambient
Acoustic	Noise Levels	≤ 75 dBA	
Lifting and transportation platform	Transportation	Standard cargo	
	Lifting	Standard – Forklift	
Electricity	Nominal Operation Voltage	EU: 1 Phase	230V/50Hz
		US: Split phases	240/60Hz
	Allowed Deviation on individual phases, Self Protected	Voltage ±5% Frequency ±1Hz	
	Power Consumption	Nominal: 2.2 kW Peak: Up to 3.5 kW	
	Energy Efficiency (26.6 C°, 60%RH)	350 Wh/L	
	Facility power distribution	US: 2 Phases; 250Vac; C16A, and ground fault circuit interrupter ROW: 1 Phase; 250Vac; C16A, and residual current circuit breaker	
	Mains Power Connection	Permanent connection ROW: Per local regulation US: NEMA 5-20 or equivalent	
	Electrical wires	ROW: phase neutral and ground US: phase-1, phase-2 and ground	
Certifications (Plan in progress)	Electrical safety	**EU:** CE, CA, CB - EN 60335-1, EN 60335-2-40, EN 60335-2-21, EN 62233, EN 60335-2-24, EN 60529, EN 60335-2-109 **US:** UL - UL979 **Japan:** PSE - J 60335-2-24(H29), J 60335-1(H27), J 60335-15(H20), J 60335-1(H20), J 55014-1(H27) **Australia:** EN/IEC60335-1, EN/IEC60335-2-15, EN/IEC60335-2-40, COS **China:** CCC - GB 4706.1-2005, GB 4706.19-2008, GB 4706.13-2014	
	Electromagnetic Compatibility	**EU:** EMC: Directive 2014/30/EU – EN 61000-6-4, EN 61000-6-2, EN 61000-3-2, EN 61000-3-3, EN 301 489-1, EN 301 489-17, EN 300 328, EN 62311 **Japan:** EMC: JRF, JATE **US:** CFR 47, FCC: 2015	
	Water safety	**US:** ASSE/ANSI IAPMO - ASSE 1090, ASSE LEC 1087 Prop 65, NSF-61, NSF-372 **Australia:** AS/NZS 4020:2005 **France:** NF T 54-951; NF P41-650; T 90-601 **Japan:** Positive List MOH **China:** GB-5749-2006	

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