

Industrial Atmospheric Water Generator

Model AWG-5000L-38 - scalable water-from-air production for large facilities and campus environments.



5,100 L/day

stated output at 30 C / 80% RH

3,000 L/day

stated output at 27 C / 60% RH

38 kW

rated input power

380V 3-phase

50 Hz or 60 Hz

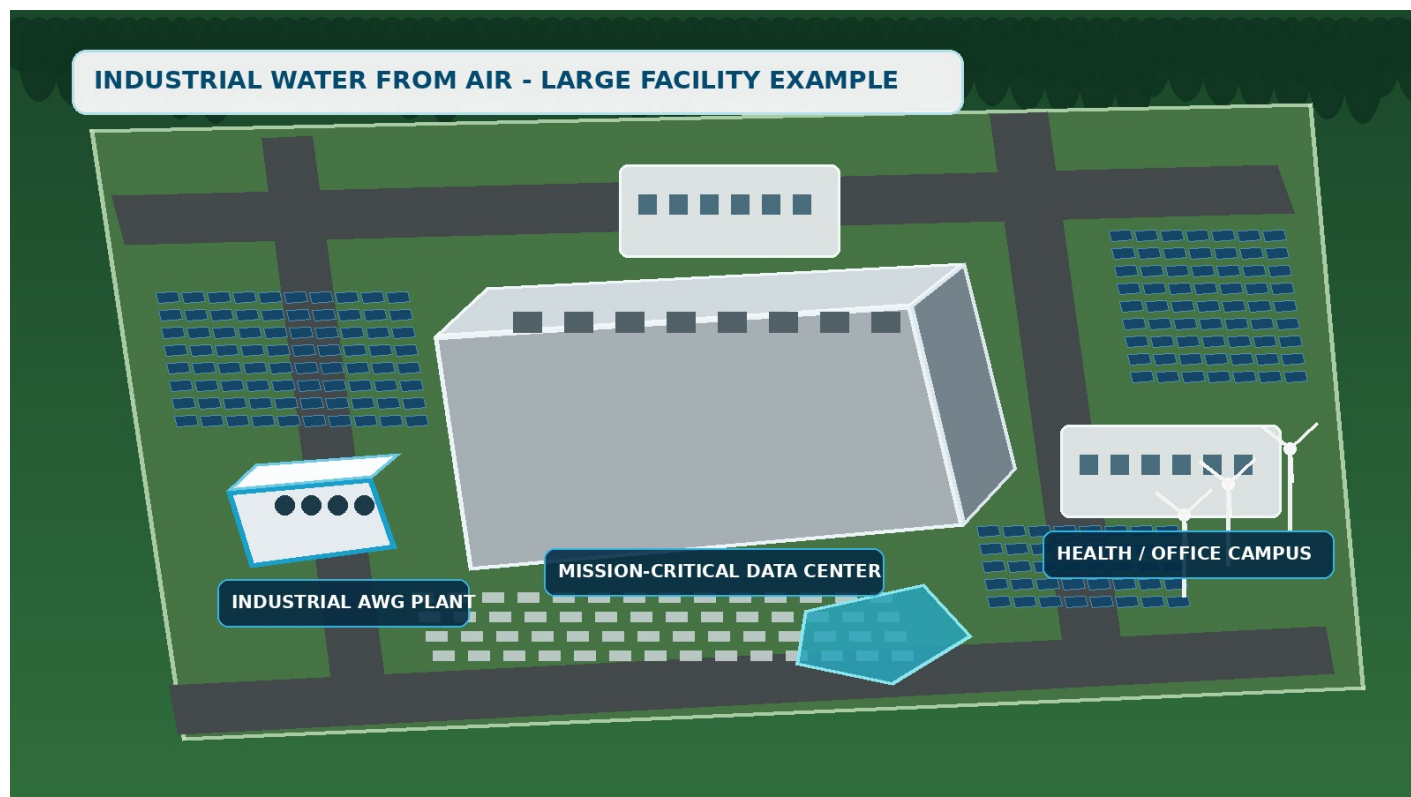
Built for high-demand environments

This industrial atmospheric water generator is intended for engineered deployments where a larger daily water volume is required. Potential applications include data centers, hospitals and healthcare campuses, large office buildings, hospitality facilities, remote operations, emergency resilience programs and other institutional sites.

Important: Final water uses must be determined by site-specific engineering, treatment design, water-quality testing, health regulations, electrical requirements and local permitting. Production varies substantially with ambient temperature and relative humidity.

Large-Facility Applications

A modular, on-site atmospheric water strategy can reduce dependence on delivered water and support resilience planning where climate conditions and energy economics are suitable.



Data Centers

Potential uses may include emergency potable-water reserves, staff use, cleaning, landscaping, humidification and engineered utility or cooling-makeup applications after appropriate treatment and integration.

Hospitals & Healthcare

Potential facility-support and emergency-resilience uses, subject to strict clinical, potable-water, infection-control and regulatory requirements.

Large Office Buildings

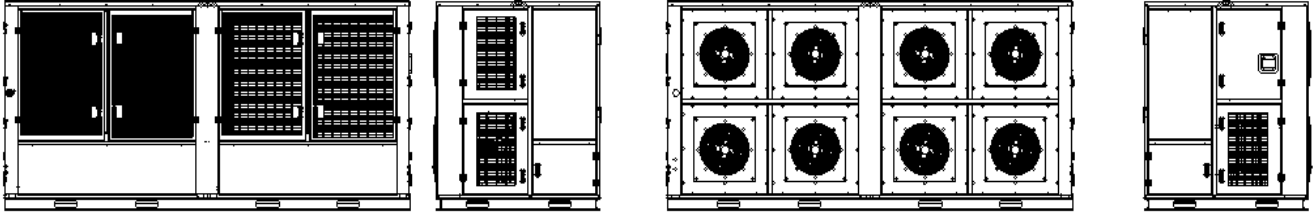
Distributed drinking-water service, cafeterias, employee wellness, emergency reserve and selected facility uses where approved.

Application boundaries

Industrial AWG output should be assigned to defined uses only after confirming water-quality targets. Direct use for clinical processes, data-center liquid cooling, cooling-tower makeup or other sensitive systems may require additional treatment, monitoring, redundancy and authority approval.

Deployment and Integration

Industrial installations should be developed as a facility-water project, not simply as an appliance purchase.



1. Climate and demand assessment	Analyze temperature, humidity, seasonal output and daily water requirements.
2. Water-use definition	Separate potable, process, utility, sanitation, landscaping and emergency uses.
3. Treatment and storage design	Confirm filtration, mineralization, disinfection, tank capacity and monitoring requirements.
4. Electrical and mechanical integration	Evaluate 380V three-phase service, ventilation, drainage, service access and redundancy.
5. Commissioning and verification	Perform production testing and independent water-quality testing before operational use.

Quoted physical profile

The quotation lists overall dimensions of 4,377 x 1,796 x 2,150 mm and a net weight of approximately 2,400 kg. Equipment placement therefore requires structural support, lifting access, service clearances, high-volume ventilation and an engineered electrical connection.

Preliminary configuration: The quotation lists a 200-liter purified-water tank, two 10-liter collection tanks, 15,000 m³/h circulating air volume, 45,000 m³/h exhaust air volume and an operating sound level of 70 dB or less. All values require final confirmation.

Preliminary Technical Specifications

Manufacturer quotation data supplied for model AWG-5000L-38. All values require final manufacturer confirmation, engineering review and project-specific quotation.

Specification	Quoted value
Model	AWG-5000L-38
Water production	5,100 L/day at 30 C and 80% RH; 3,000 L/day at 27 C and 60% RH
Operating temperature	15 C to 43 C
Operating humidity	25% to 95% RH
Circulating air volume	15,000 m3/h
Exhaust air volume	45,000 m3/h
Power supply	3/N/PE AC 380V, 50 Hz or 60 Hz
Rated input power	38 kW
Compressors	4 hermetically sealed rotary compressors; Emerson listed in quotation
Refrigerant	R410A
Control system	PLC with touch-screen control panel
Fans	8 circulating fans and 8 exhaust fans
Filtration	Composite air filter; 2 PPF + 2 GAC + 2 PPF + 4 RO + LED-UV; optional mineralization
Purified-water tank	200 liters
Collection tanks	2 x 10 liters
Sound level	70 dB or less (quoted)
Dimensions	4,377 x 1,796 x 2,150 mm
Net weight	2,400 kg
Container loading	1 unit per 20-foot GP; 2 units per 40-foot HQ (quoted)

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Preliminary commercial material. Not a final engineering submittal, performance guarantee, health certification or construction specification. Obtain final manufacturer documentation, independent water testing and all required approvals before deployment.