

Wataire Commercial/Industrial Atmospheric Water Generator 5000 Litres per Day

| Model CI-5000 Specifications | |
|---|---|
| Water-from-air production rate | 5,000 L/d @ 26.7°C and 60% relative humidity |
| Water Producing Module (WPM) | |
| Airflow | 14,400 cfm |
| Air Filters | Electrostatic |
| Coil | Food grade coating |
| Refrigerant | R-22 |
| Fan | Centrifugal |
| Motor | High efficiency |
| Cooling Module (CM) | |
| Number of refrigerant circuits | 2 |
| Compressors per circuit | 3 |
| Refrigerant | R-22 |
| Number of fans/motors | 8 |
| Water Treatment Module (WTM) | |
| Drain pan | Stainless steel |
| Pre-filters | Removes sediment |
| Water treatment system (multi-stage) | Kills bacteria and viruses |
| Water storage capacity (built-in) | 1000–1300 L |
| Water Pumps | Drinking water compatible |
| Water filter | Reduces volatile organic compounds (VOCs) |
| Electronic clock & timer | Scheduled circulation of water in built-in storage through treatment system (second stage) |
| Water points | Faucet plus hose connection to remote storage |
| Drinking water quality guidelines | World Health Organization (WHO) |
| Energy Requirements | |
| Power supplies (50 Hz also available) | WPM—575 V, 60 Hz, 3 phase CM—575 V, 60 Hz, 3 phase WTM— 115 V, 60 Hz, 1 phase |
| Current draw | WPM—Fan motor full load, 20 A CM— Full load, 124 A WTM—1 A |
| Power | 83 kW |
| Energy cost of product water | 0.40 kWh/L or 400 kWh/tonne |
| Operating Considerations | |
| Service lives estimates (from ASHRAE survey) | Fans, 15 years; Coil, 20 years; Compressors, 20 years; Pumps, 15 years; Electric motors, 18 years |
| Environmental conditions | Tropical climate; sea level; Min. dew-point 5°C |
| Physical data | |
| Dimensions (LWH) | Assembled on structural steel channel frame, 359" × 89" × 85"; Mobile on casters until installed <i>Shipped in standard 40 ft container.</i> |
| Weight | Total, 12,150 lb (5,511 kg), water reservoir empty |