

AIO Vertical Strawberry Grower

A strawberry showcase for cafés



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Product Specification

Designed for strawberry displays, promotions, and customer experiences in cafés and hotels. Integrated cooling, lighting, nutrient supply, and control also support indoor cultivation.



Front View



Angled View



Integrated Cooling
& Dehumidification



Strawberry
LED Lighting



Automatic Nutrient
s
(EC/pH Monitoring)



Automatic CO₂
Control



Web / App
Monitoring

1. Structure & Exterior

Product Size (W×D×H)	1,600 × 700 × 2,500 mm
Product Weight	Approx. 250 kg
Growing Structure	6 tiers × 8 plants, total 48 plants
Main Structure	Enclosed grow chamber + lower machine room
Frame	Metal structural frame
Exterior Panel	Stainless steel sheet (STS)
Surface Finish	Matte finish
Exterior Color	Silver
Front Door	Double 6 mm tempered glass doors
Glass Finish	Anti-reflection / anti-fingerprint coating
Mobility	Caster wheels

2. Main Systems & Functions

Cooling & Dehumidification	Built-in inverter cooling & dehumidification system
Cultivation Environment Control Range	Varies by cultivar (Premium Jukhyang): Day 15°C / RH 50%, Night 10°C / RH 80%
LED Lighting	2-channel strawberry LED, 60 W × 8 units
Nutrient Supply	Automatic pre-mixed nutrient supply with EC/pH monitoring
CO ₂ Supply	Built-in 2 kg CO ₂ cylinder, auto. control
Automatic Control	Integrated LED, nutrient & CO ₂ control
Cooling Unit Control	Independent controller
Monitoring	Web / app based

3. Electrical & Energy

Power Supply	AC 220 V
LED Power Consumption	Max. 480 W
Max. Power Consumption	Approx. 1.5 kW
Daily Power Consumption	Approx. 12–20 kWh

4. Cultivation Performance

Growing Capacity	48 plants
Yield per Plant	Approx. 1.5 kg/year
Annual Yield	Approx. 72 kg/unit
Weekly Yield	Approx. 1.8 kg/unit
Harvest Period	Approx. 10 months/year
Flower Clusters	Approx. 10 clusters per plant
Applicable Cultivars	Goseul, Jukhyang, and other premium strawberry cultivars

Note: Some values are design estimates. Actual specifications and power consumption may vary with final manufacturing and testing. Yield may vary by cultivar, cultivation environment, and operating conditions.