

SPECIFICATIONS

Preset Temperature Range	65F to 85F (18C to 29C)
Outside Temperature Tested	-25F to 95F (-32C to 35C)
CO2 Carbon Dioxide Gas	3,000 ppm or less (supplied from high pressure carbon dioxide gas cylinder)
PPFD	200 $\mu\text{mol m}^{-2} \text{s}^{-1}$ or more (rated at an effective irradiation height of 100 mm)
Light Source	Red LED · Blue LED
Automatic Control	Temperature, humidity, CO ₂ , LED lighting, irrigation, nutrient solution (EC, pH)
Watering System 100G Tank (400L)	5 Gallons (20L) per day consumption. Automatic Refill. Water Dehumidification System Captures, Filters and Recycles Ambient Moisture
Water Filtering System	Dual UV Filters, Paper style Filter
External Dimensions	ISO Standard Marine Refrigerated Container 40 ft High Cube Length 40' × Width 8' × Height 9.5' (L 12,192mm × W2,438mm × H2,896 mm)
Weight (Dry)	Approximately 10 tons 20,000 LBS
Power Supply	Single-phase three-wire system AC200V 50 / 60Hz 15kW
Power Consumption	130 Kwh per day. Lights, Heat, Air Conditioning, Robot, Pumps and Control System
Possible Cultivation Methods	Sheet culture medium type (hydroponic), bottom irrigation type (for hydroponic and soil cultivation) System Trays hold Sheet Culture Medium or 4 Standard Sized 128 Hole Cell Trays Hemp Mat, Rock Wool, Cellulistic, etc.

	100 Shelf Specification	80 Shelf Specification
Working Racks (Rolling on Casters)	10 trays (5 Shelves x 2 Racks)	8 trays (4 Shelves x 2 Racks)
Germination Racks (Fixed)	28 trays (14 Shelves x 2 Racks)	28 trays (14 Shelves x 2 Racks)
Growing Racks (Fixed)	100 trays (10 Shelves x 10 Racks)	80 trays (8 Shelves x 10 Racks)

	Sheet culture system Bottom irrigation		Sheet culture system		Bottom irrigation	
Growing Height by Shelf/Stage	1st to 7th Shelves	~ 70 mm	~ 25 mm	1st and 2nd Shelves	~ 85mm	~ 40 mm
	8th to 9th Shelves	~ 100 mm	~ 55 mm	3rd and 4th Shelves	~ 105 mm	~ 60 mm
	10th Shelves	~ 125mm	~ 90mm	5th and 6th Shelves	~ 145 mm	~ 100 mm
				7th and 8th Shelves	~ 185 mm	~ 140 mm
Daily Yield example	Leafy Greens 40 lbs to 70 Lbs			Seedlings 2560 (example with bottom watering type 128 hole cell tray)		

Specifications are subject to change at any time and without notice