



PRODUCT SPECIFICATIONS

20-Foot Grow Room



For growers with limited space, our Modular or High Cube Growbox is the ultimate turnkey growing facility for leafy and microgreens growers to streamline the start-up process.



Engineered growing environment with optimal lighting and temperature



Fixed grow space with less of the cost



ROI that can be realized in months rather than years



Crops that are free from contamination



Increased potency and quality of the end products

This Grow Room provides the ability to build a uniquely scalable operation that fits any grower's specifications and keeps the grow footprint to a minimum, while still maintaining high yields.

BASE UNIT INCLUDES:

ITEM	DESCRIPTION
Shell	1-trip 20' wind & watertight high-cube container or modular box with R15-R20 insulation values
Paint	Weather resistant enamel based external paint
Door Entry	36" weather-tight outswing steel man door
Flooring	100% waterproof slip-free epoxy floor coating
Walls & Ceiling	Bright white GMP-certified FRP panelling
Light Mounts	Super strut ceiling-mount light hanging channel
Utility Power	100 amp, 240V service
Panel	100 amp circuit panel
Circuits	All receptacle circuits are GFCI protected
Lights	Green exit sign with emergency lights and work lights
Wiring	Copper wire
Conduit	EMT conduit infrastructure
HVAC	2 ton Gree mini split with heat pump
Dehumidifier	70 pint per day dehumidifier by Anden
Fans	12" HAF ceiling mounted fans
Grow Lights	BIOS Icarus® Li LED bars
Shelving	4 tier 30" wide side mount aluminum racks to hold 7' NFT channels
C02	Single solenoid valve direct injection system with perforated dosing line, tank rack and regulator
Safety	Fire extinguisher & smoke detector

20-Foot Grow Room



ALL MODELS:

ITEM	DESCRIPTION
External Dimensions	20' x 8' x 9.6'
Internal Dimensions	29' x 7' x 8.6'
Floorspace	203 sq ft
Rack Layout	(4) Dual side mount racks
Rack Dimensions	30" (W) x 84" (L)
Canopy Size (Per Tier)	17.5 sq ft per tier

ADD-ONS + CUSTOM ITEMS:

ITEM
Custom hydroponic system Installation
Climate and nutrient dosing automation
Reverse osmosis system & floor drain
Fertigation & nutrient dosing systems
Alternative LED lighting options available at request
Air scrubber
Security cameras

TRIPLE TIER MODEL:

ITEM	DESCRIPTION
Tiers	3 tiers per room
Tables	4 tables per room
Canopy Space	210 sqft per room
Max Plant Height	12 in per tier
Plant Capacity	480 plants per room

QUAD TIER MODEL:

ITEM	DESCRIPTION
Tiers	4 tiers per room
Tables	8 tables per room
Canopy Space	280 sqft per room
Max Plant Height	20 in per tier
Plant Capacity	640 plants per room

RESOURCES:

ITEM	MANUFACTURER LINKS
Lights	www.bioslighting.com
HVAC	www.greecomfort.com
Dehumidifier	www.anden.com
Automation	www.trolmaster.com
Fertigation	www.autogrow.com

