



PRODUCT SPECIFICATIONS

20-Foot Grow Room

For growers with limited space, our Modular or High Cube Grow Room is the ultimate turnkey growing facility for Cannabis 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
Plumbing	Stainless steel sink with Bosch on-demand hot water and hose bib
Door Entry	36" weather-tight outswing steel man door with commercial closer and panic bar
Automation	Trolmaster Hydro X controller, with modules to control temp, humidity up/ down, CO2 and lights
Flooring	100% waterproof slip-free epoxy floor coating
Walls & Ceiling	Bright white FRP Panelling on container, metal walls on modular
Light Mounts	Super strut ceiling-mount light hanging channel
Utility Power	150 amp, 240V service
Panel	150 amp circuit panel
Circuits	All circuit breakers UL rated
Outlets	Ceiling & wall-mount receptacles GFCI protected
Lights	Green exit sign with two head emergency lights and three green LED work lights
Wiring	Copper wire
Conduit	EMT conduit infrastructure
HVAC	3 ton Gree mini split with ductless air handlers
Dehumidifier	130 pint per day dehumidifier by Anden
Fans	(4) 12" J&B Manufacturing HAF ceiling mount fans & (3) floor blowers all-in-one fan speed controller
Grow Lights	FGI Square 3 LED full spectrum grow lights with additional far red
Shelving	Veg Box: 30" wide metal shelving, 16' long each side of container 2 tier; Flower Box: 4' x 16' rolling bench
CO2	Single solenoid valve direct injection system with perforated dosing line, tank rack and regulator
Safety	Fire extinguisher & smoke detector CO2 alarm

20-Foot Grow Room



ALL MODELS:

ITEM	DESCRIPTION
External Dimensions	20' x 8' x 9.6'
Internal Dimensions	19' x 7' x 8.6'
Floorspace	133 sq ft
Table Layout Veg	Veg dual side mount
Table Layout Flower	Flower center rolling bench
Canopy Size (Per Table)	Veg 40 sq ft; Flower 64 sq ft
Tables Per Tier	Veg 2; Flower 1
Table Dimensions	Veg 30"x16"; Flower 4'x16'

ADD-ONS + CUSTOM ITEMS:

ITEM
Reverse osmosis system & floor drain
Custom hydroponic system Installation
Nutrient dosing automation
Security cameras
Dissolved oxygen water purification systems
Alternative LED lighting options available at request
Air scrubber

SINGLE TIER FLOWER MODEL:

ITEM	DESCRIPTION
Tiers	1 tier per room
Tables	2 tables per room
15" x 15" Plant Capacity	48 plants per room
10" x 10" Plant Capacity	76 plants per room
6" x 6" Plant Capacity	256 plants per room
3" x 3" Plant Capacity	1024 plants per room
Max Plant Height	6 ft per tier

DOUBLE TIER VEG/CLONE MODEL:

ITEM	DESCRIPTION
Tiers	2 tier per room
Tables	4 tables per room
15" x 15" Plant Capacity	96 plants per room
10" x 10" Plant Capacity	228 plants per room
6" x 6" Plant Capacity	640 plants per room
3" x 3" Plant Capacity	2560 plants per room
Max Plant Height	3 ft per tier

RESOURCES:

ITEM	MANUFACTURER LINKS
Lights	www.forevergreenindoors.com
HVAC	www.bardhvac.com
Dehumidifier	www.anden.com
Air Curtain	www.marsair.com
Automation	www.autogrow.com
Light Timers	www.trolmaster.com

