

SMART HYDROPONIC RACK SYSTEM



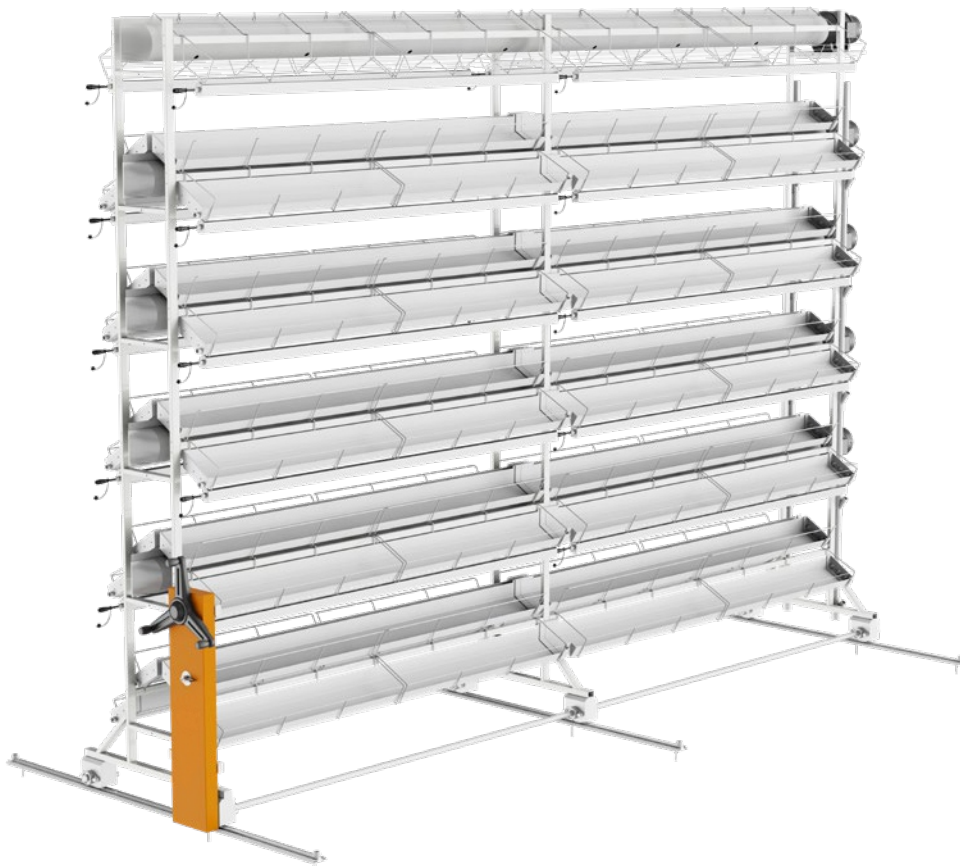
SMART GROW RACK

FEATURES & PRODUCT COMPONENTS

Elevate your commercial farming operations with the Smart Grow Rack System, designed to maximize your yield while optimizing space and resources. Built with high-quality, anti-seismic level 5 rated steel, each rack frame is as sturdy as it is reliable, supporting up to 440 pounds per level. The innovative sliding track design allows you to make the most of limited space, significantly increasing planting efficiency and yield.

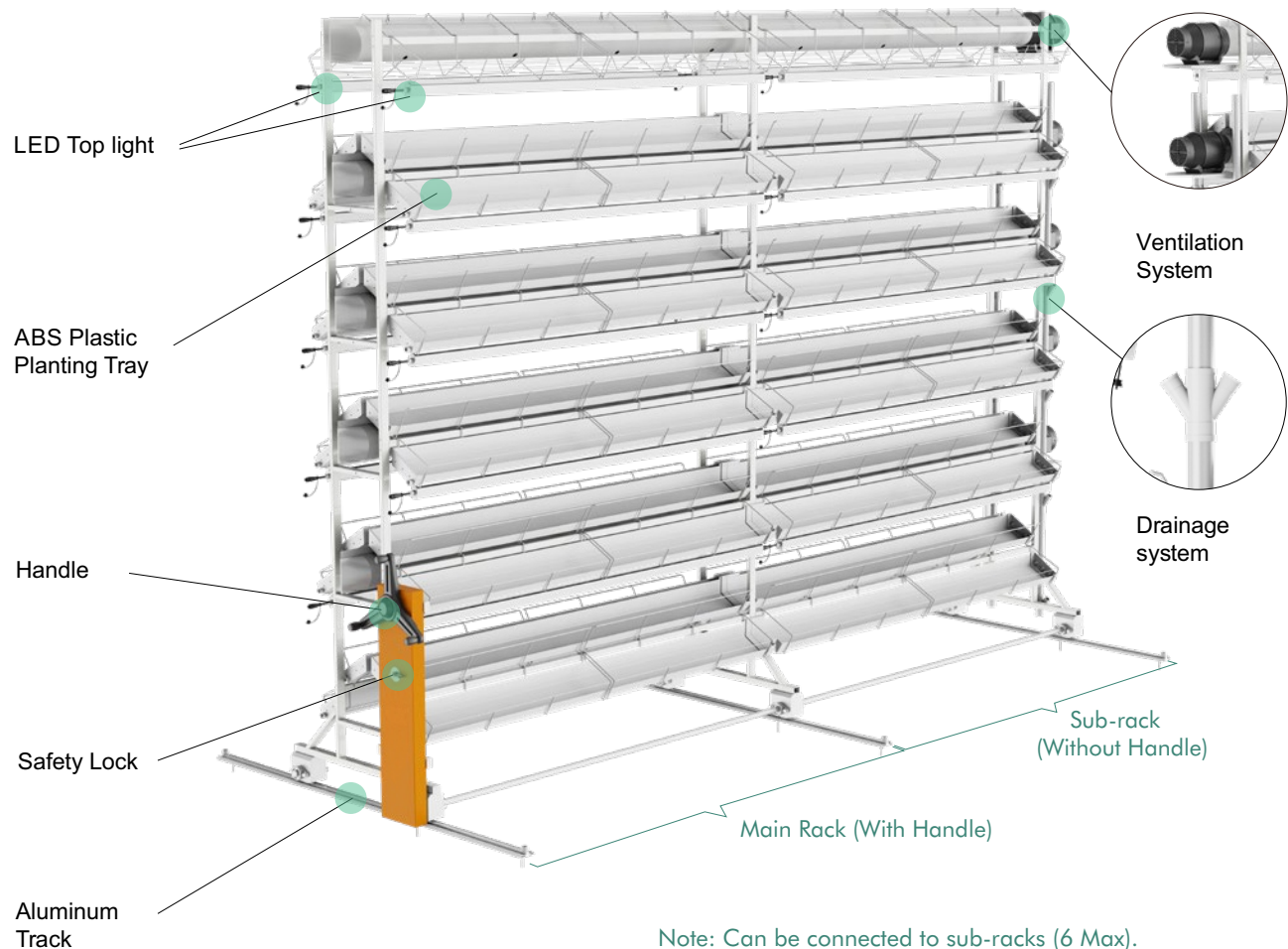
Every detail of the Smart Grow Rack System has been engineered for optimal performance. The smooth crank handle gear-set enables effortless movement across up to six connected rack sets, making adjustments seamless and precise. With built-in ventilation ducts at each level, airflow and humidity are expertly controlled, reducing the risk of moisture-related issues such as powdery mildew.

Our spectrum-controllable, dimmable LED grow lights are designed to be energy-efficient and adjustable, ensuring that every plant receives the right amount of light for robust growth. The waterproof interconnections and modular design make installation and maintenance quick and easy, allowing you to focus on what matters most—growing high-quality crops.



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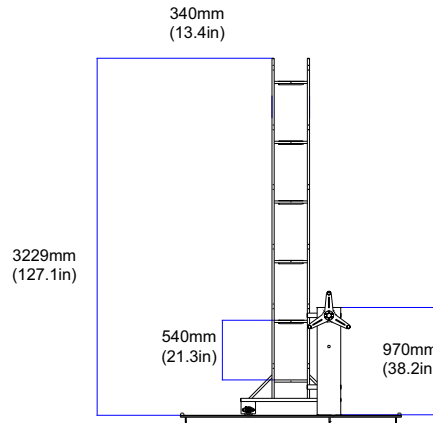
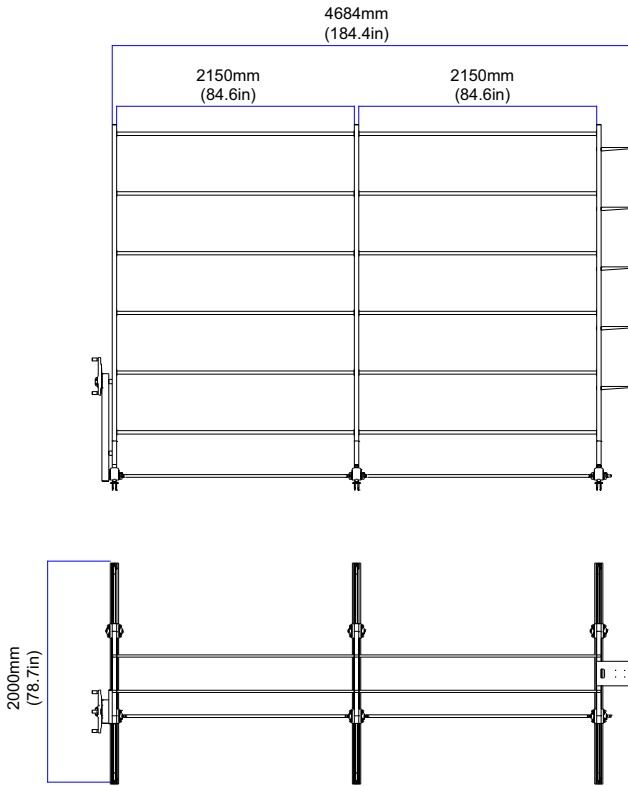
FEATURES & PRODUCT COMPONENTS



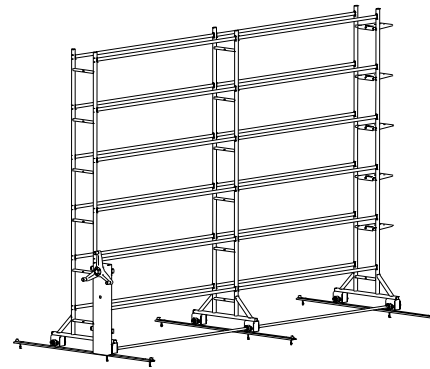
- The main rack frame is made of high-quality powder-coated steel, that is thick and sturdy. Anti-seismic level 5 rated steel. Each level can support up to 440 pounds.
- The sliding track design enables growers to effectively use limited space, thus increasing planting efficiency and yield.
- The crank handle is designed with a smooth gear-set, for smooth even movement, of up to 6 connected rack sets
- Each level is equipped with ventilation ducts, which help promote air flow and humidity control. This helps to reduce the moisture on the leaves, thus reducing powdery mildew and other airborne issues.
- With spectrum controllable, dimmable LED grow lights on each level, this effectively controls the use of energy and light intensity needed on each level.
- Each light is adjustable, and can be positioned so that each plant level receives adequate light
- The interconnections for all grow lights being waterproof.
- The whole Smart Grow Rack System is modular, allowing for quick and easy installation and maintenance.

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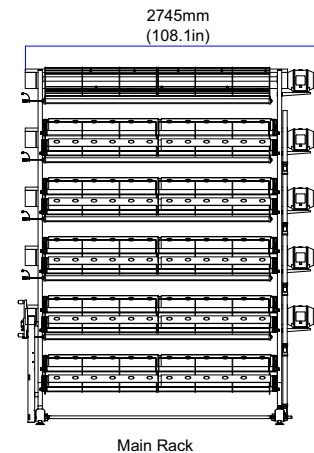
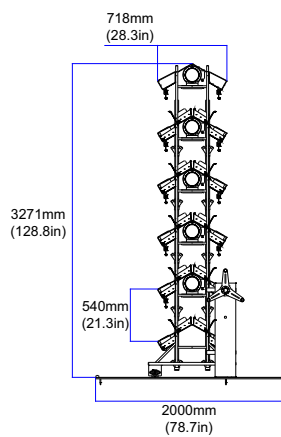
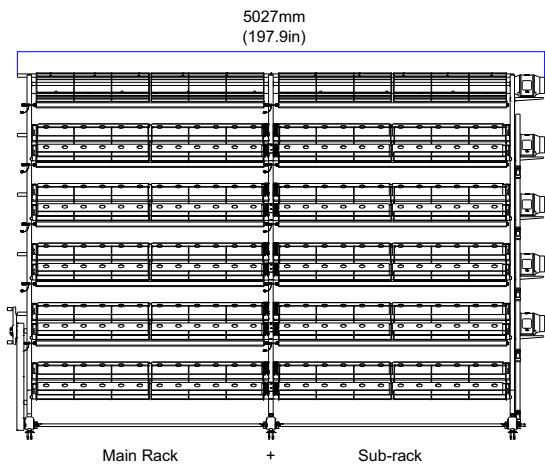
DIMENSIONS



TOO TALL?
Ask our team about custom made shorter options.

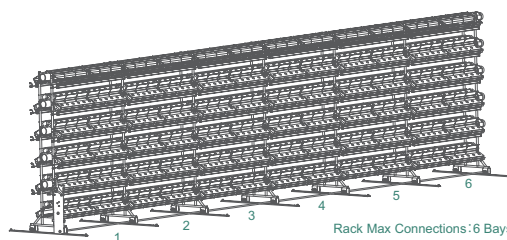


DISPLAYS ONE MAIN RACK AND ONE SUB-RACK, WITHOUT ACCESSORIES



Main Rack	108" x 78.75" x 128.78" (2745 x 2000 x 3271mm)
Sub-Rack	89.84" x 78.75" x 128.78" (2282 x 2000 x 3271mm)
Maximum Load Capacity - per Bay	2,200 Lbs (1,000Kg), 440 Lbs (200Kg) per level
Rack Max Connections	Up to 6 in total
Substrate Recommended Size	39.4" x 4.75" x 3.9" (1000 x 120 x 100mm)

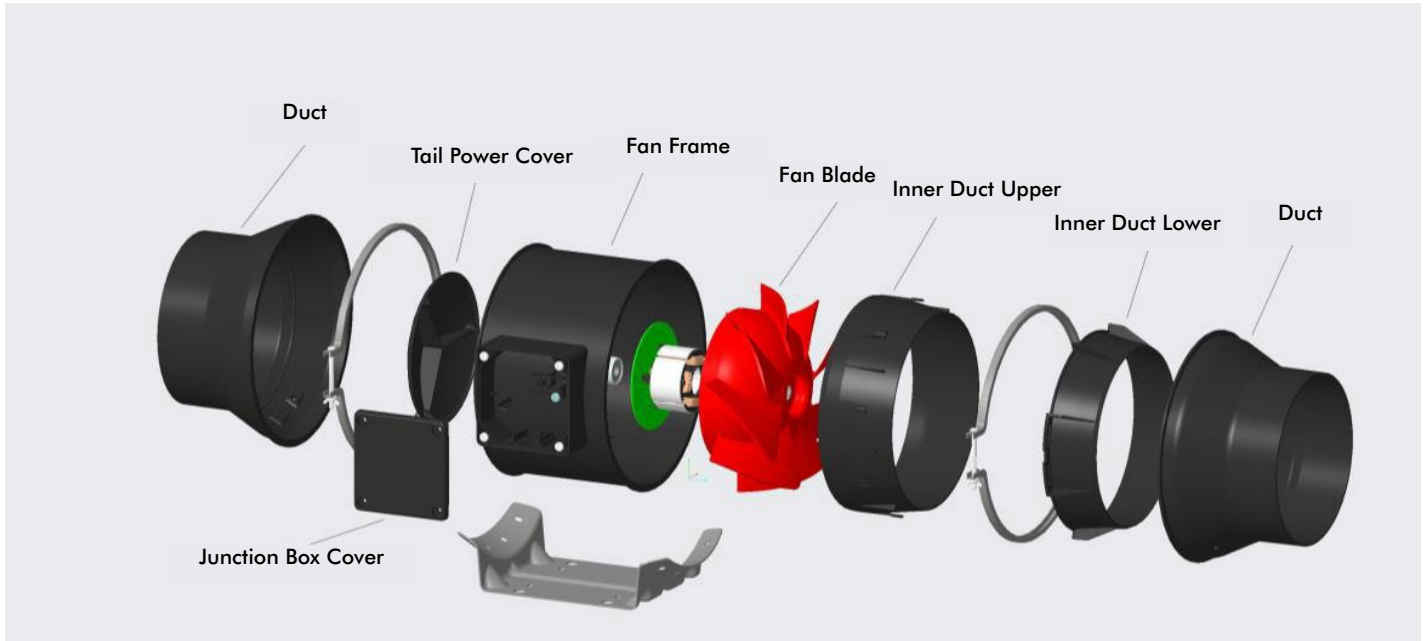
DISPLAYS ONE MAIN RACK AND ONE SUB-RACK, WITH ALL ACCESSORIES



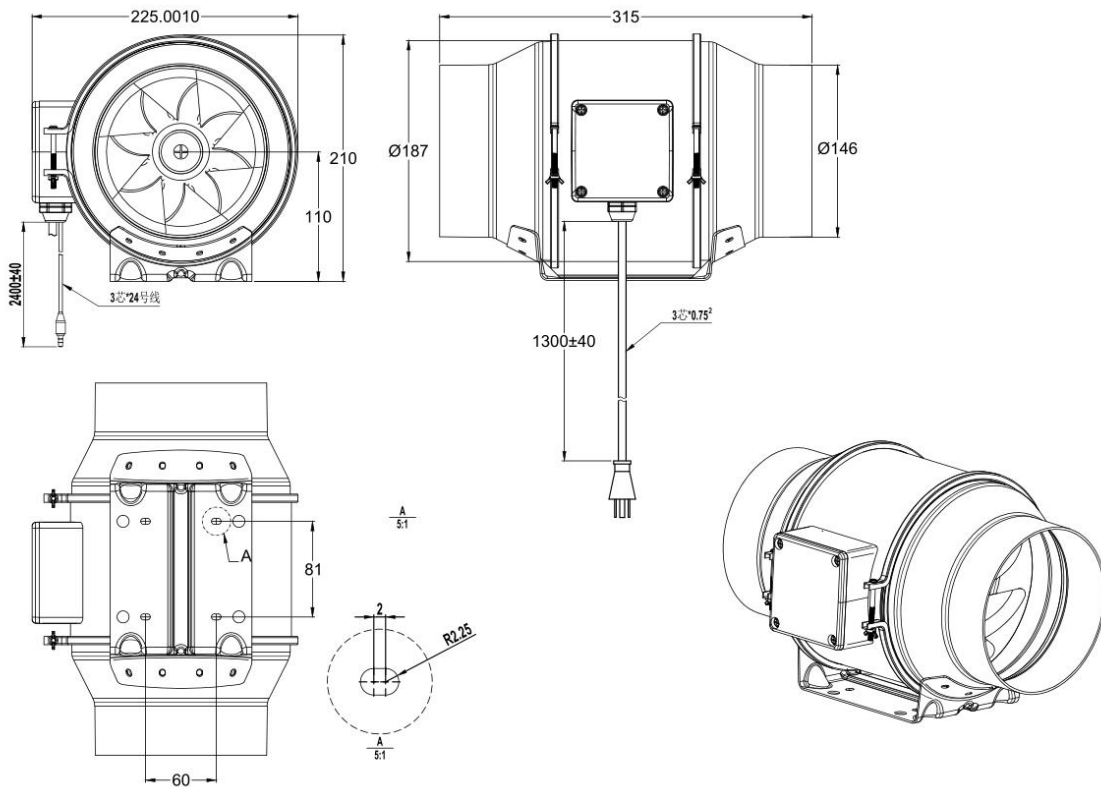
Rack Max Connections: 6 Bays

SMART GROW RACK

VENTILATION COMPONENTS



DIMENSIONS

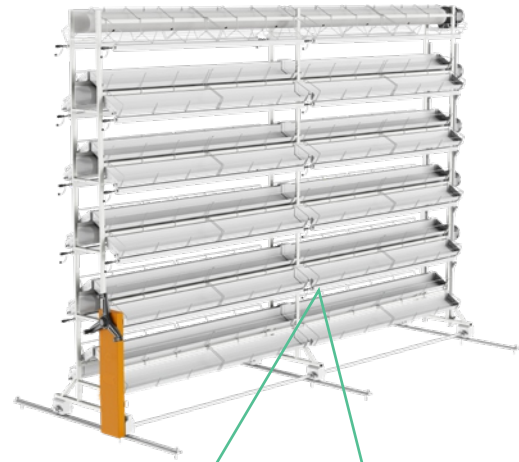


SMART GROW RACK

SPECIFICATIONS

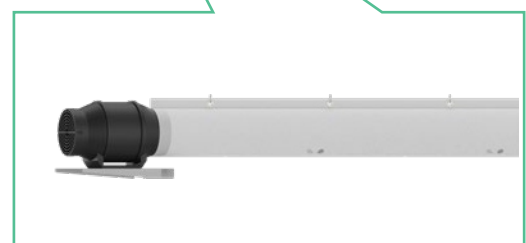
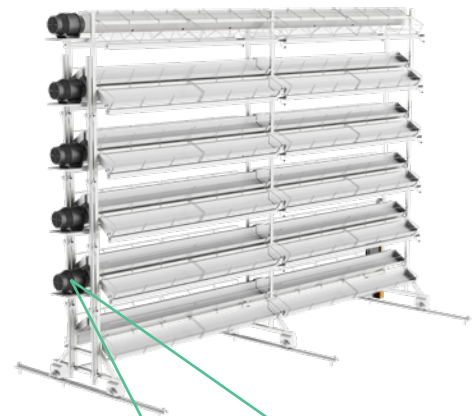
LED LIGHT SPECIFICATIONS

SPECTRUM TUNABLE	NO
OUTPUT WATTAGE	150W
PPF	427 $\mu\text{mol/s}$
PAR	2.6 $\mu\text{mol/J}$
BEAM ANGLE	120°
DIMMING CONTROL	0-10V
THERMAL MANAGEMENT	Passive Cooling
POWER FACTOR	>0.95
DIEMENSIONS	83" x 1.7" x 2.56" (2108 x 43 x 65mm)
WEIGHT	2.5Kg
LIFETIME	L90 >36,000Hours
CERTIFICATIONS	UL and DLC <i>Pending</i>
INGRESS PROTECTION	IP65
OPERATING TEMPERATURE	14-104°F (-10-40°C)
INPUT VOLTAGE	120-277VAC
AC POWER CORD	6' (2M)
DEFAULT MOUNTING HEIGHT	8.25" (200mm)



VENTILATION FAN SPECIFICATIONS

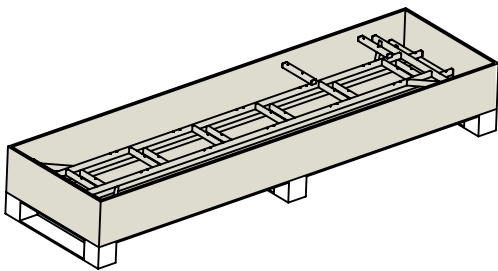
INPUT VOLTAGE	110-240VAC
WATTS	70W
DIMENSIONS	12.4" x 8.86" x 8.07" (315 x 225 x 205mm)
DUCT DIAMETER	4" (100mm)
AIR VOLUME	487-590m ³ /H
OPERATING TEMPERATURE	14°F - 140°F (-10°C - 60°C)
CERTIFICATION	ETL



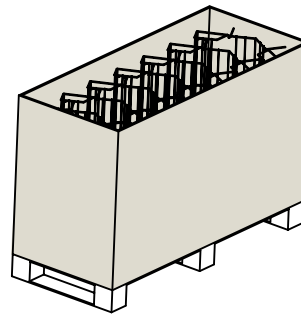
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PACKAGING INFORMATION

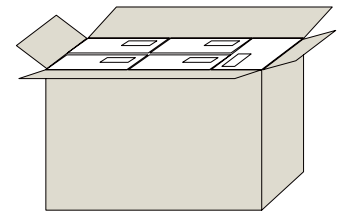
PRODUCT	CRATE SIZE	NET WEIGHT	GROSS WEIGHT	QUANTITY PER CRATE
MAIN RACK & SUB-RACK	134" x 38.2" x 29.5" (3400 x 970 x 750mm)	474LBS (215KG)	507LBS (230KG)	1 MAIN & 1 SUB-RACK/CRATE
MESH SHELF SUPPORT	78.75" x 33.5" x 45.25" (2000 x 850 x 1150mm)	66.1LBS (30KG)	99.2LBS (45KG)	12/CRATE
FAN	27.6" x 19.7" x 19.7" (700 x 500 x 500mm)	88.2LBS (40KG)	110.2LBS (50KG)	5/CRATE



Main rack & sub-rack packing



Mesh Shelves Packing



Fan packing



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