Rambridge Wholesale International Catalog

Who is Rambridge?

We're a family-run manufacturer and wholesale distributor based in Canada, focused on indoor & outdoor garden and greenhouse goods. Our partners receive our heartfelt dedication to accelerate every project.

While we have grown over the past 35+ years, we remain people-focused: your success is our success.

Our knowledgeable team provides education to small-scale and professional application growers to lead successful grows from start to finish.

Planting the first seed

It all started in our backyards with garden greenhouse installations for our own grows.

We began to create and rigorously test nutrients and additives specifically designed to enhance growth in Canadian soil - and from our discoveries, we opened our very first warehouse in Calgary. We rapidly evolved to full-scale lighting and application engineering, and we didn't stop there.

From there, we continued to grow with the future and evolved to expand our operations in the US, and adding two additional Canadian warehouses.

We had one goal that still remains the same: provide growers of all sizes with innovative, reliable products proven to achieve optimal growth.

RAM BRIDGE™

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RAM
BRIDGE™

Fertilizers and Additives

Blossom Blood
and
Veg Booster

Blossom Blood

The addition of Blossom Blood to your feed schedule during the flowering stage of a plant will promote fuller buds and flowers utilizing selective pH control. Blossom Blood's reputation comes from over 25 years of positive results. Developed for stabilization and floral production in hydroponic applications, Blossom Blood may also be used in soilless growing mediums. Blossom Blood is a specific type of pH buffer salt and is compatible with all quality nutrients.

Veg Booster

Enables young cuttings or seedlings to better promote stronger fuller plant growth during the vegetative stage. Add Veg-Booster directly to your reservoir only once at the beginning of a plant's vegetative cycle when the seedling/cuttings have gotten over transplant shock. Works on soil grown plants too.

4190300	**BLOSSOM PH CONTROL 20G**
4190320	**BLOSSOM PH CONTROL 300G**
4190321	**BLOSSOM PH CONTROL 1KG**

Case Quantity: 20g 10/case; 300g 12/case: 1g 6/case

4190310	**VEG BOOSTER (20 GM PKG.)**
4190312	**VEG BOOSTER 270GM**

Case Quantity: 20g 10/case; 270g 12/case

rambridge.com

Growing Substrates

Eazy Plug System

Eazy Plug & Eazy Block are made of organic materials which are bonded and formed into an extensive product line of plugs and blocks for the professional horticulture and can be used for the production of a wide range of crops. HGA Garden manufactures this breakthrough, natural and sustainable growth solution for growing all of your plants. Our products are carefully balanced and have a predetermined pH, EC value and a fixed air- to - water ratio. Because of this, growing conditions are always optimal and a very fast and powerful rooting or germination is ensured. The Eazy Plug and Block are supplied dried, making them clean and lightweight, with limitless shelf life and no risk of molds. The dry Eazy Plug & Eazy Block take water back up very easily and quickly, retaining all of their former characteristics.

8631000	EAZY PLUG CT24		8631032	EAZY SYSTEM 9 SITE ACCESS COVER
8631001	EAZY PLUG CT77		8631033	EAZY SYSTEM 9 COMPLETE SYSTEM
8631002	EAZY BLOCK CASE 160		8631040	EASY SYSTEM FITTINGS
8631003	EAZY PYRAMID		8631041	EAZY SYSTEM PUMP
8631004	EAZY PLUG CT66 (10X20)			
8631005	EAZY PYRAMID MINI		5271000	HGA PROP64 KIT
8631020	EAZY SYSTEM 4 SITE PLANNER		5271001	HGA TRAY64- TRAY ONLY
8631021	EAZY SYSTEM 4 SITE NUTRIENT RESERVOIR		5271002	HGA COVER64- DOME ONLY
8631022	EASY SYSTEM 4 SITE ACCESS COVER		5271003	HGA PROP43 KIT
8631023	EAZY 4 COMPLETE SYSTEM		5271004	HGA TRAY43- TRAY ONLY
8631030	EAZY SYSTEM 9 SITE PLANNER		5271005	HGA COVER43- DOME ONLY
8631031	EAZY SYSTEM 9 SITE NUTRIENT RESERVOIR			

Gold Label Substrates

Gold Label Coco is the best buffered coco in the market with a very low EC. This not only guarantees a clean and buffered substrate, but also a production process with respect for the environment. Gold Label Coco is an ideal hydroponics substrate: It's an organic rest material and a renewable resource, light and airy, can hold 8-10 times its weight in water, has a high capillary action, a stable pH and can be reused or recycled in the compost bin.

8630110   **GOLD LABEL COCO 50L BAG**

70 PER PALLET

Gold Label Hydro Clay Pebbles are manufactured using a mix of the best quality pure clay and are baked in an open furnace using high grade clean fuels. This guarantees absence of heavy metals or other contaminates. Gold Label Hydro carries the RHP for Horticulture quality certificate. Gold Label Hydrocorn is the inert hydroponics substrate of choice for professionals. The 16-25 mm size provides stability and the unique uneven shape of the pebble is an ideal surface for roots and beneficial bacteria. The porous structure has a high water capacity and is suitable for both ebb/flood and top irrigation systems.

8630112   **GOLD LABEL HYDROCORN 8-16MM**

8630113   **GOLD LABEL HYDROCORN 16-25MM**

65 PER PALLET

Gold Label 60/40 is 60% Hydrocorn and 40% Coco. It is an ideal match for high water capacity, lower watering frequency and better rooting. We utilize the 16-25mm Hydrocorn from Gold Label and the purest Gold Label Coco to give you the perfect ebb and flood growing substrate that also works well in any pot based systems. The 60/40 mix allows you to feed less frequently than in straight Hydrocorn. This gives you a buffer on the watering times but still allows you to feed regularly without over watering.

8630114   **GOLD LABEL 60/40 HYDRO/COCO**

60 PER PALLET

60/40 Mix Grow Slab 12L are easy, Plug & Play grow trays for hydroponically cultivation. You can cut the bottom parts for drainage and plug in your system for automated irrigation. Gold Label HydroCoco 60/40 is an ideal match for high water capacity, lower watering frequency and better rooting.
The 60/40 mix allows you to feed less frequently than in straight Hydrocorn and gives a buffer on the watering times.

8630118   **HYDROCOCO 60/40 RHP GROW SLAB**

Lighting

HIGH OUTPUT HORTICULTURAL LAMPS

SolarMAX DE lamps are designed and manufactured in Europe for optimum plant production and lowest light depreciation.   SolarMAX DE contain high quality components, making them suitable for stable operation in Dim and Boost mode. SolarMAX DE lamps have high light intensity and long lifetime to support plants during critical flowering stages to receive up to a 25% higher yield.

SolarMAX DE 1950 µmol/s

Features:
- SolarMAX DE Flower 400v
- 1950 µmol/s
- Designed for conventional ANSI S52 based systems
- 2000K
- Rated 20,000 Lifetime hours
- Life maintenance 10,00 hrs >99%
- Made in Germany

7450768   SOLARMAX 1000W HPS DE 1950MMOL LAMP

SolarMAX DE 2100 µmol/s

Features:
- SolarMAX DE Flower 400v
- 2100 µmol/s
- Designed for horticultural high frequency output ballasts
- 2000K
- Rated at 20,000 Lifetime hours
- Life maintenance 10,00 hrs >99%
- Made in Germay

7450769   SOLARMAX 1000W HPS DE 2100MMOL LAMP

SolarMAX Super HPS

Super HPS - 2100 K -FLOWERING

As plants approach maturity they require less "Blue Light" and depend more upon radiation from the "Red" portion of the spectrum between 610 nm - 720 nm.

SolarMAX HPS lamps have been engineered to constantly deliver 10% more targeted "Red Light" energy to the maturing plant to promote aggressive flowering.

Available in 400, 600, 1000w

7450736	SOLARMAX HPS 400W SUPER
7450737	SOLARMAX HPS 600W SUPER
7450755	SOLARMAX HPS 1000W SUPER

12 Per Box

Super HPS - 2100°K
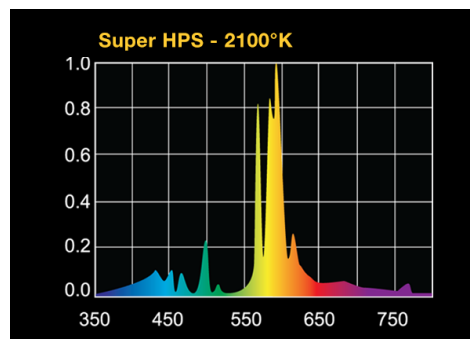
SolarMAX Super MH

solarMAX™

HIGH OUTPUT HORTICULTURAL LAMPS

Vegetative - 7200 K- VEGETATIVE and VEG CONVERSION

SolarMAX lamps deliver 30% more "nutritious" Blue light radiation than standard lamps. The result - more vigorous vegetative growth and stronger roots during the important early stages of a plant's development.

Available in 400, 600, 1000w MH & Veg-Conversion

7450738	SOLARMAX MH600W VEG CONV LAMP
7450757	SOLARMAX MH1000W VEG LAMP
7450758	SOLARMAX MH1000W VEG CONV LAMP
7450806	SOLARMAX MH 400W VEG LAMP
7450807	SOLARMAX MH 400W VEG CONV LAMP

12 Per Box

Vegetative Super MH - 7200°K

solarMAX™

Reflector Series
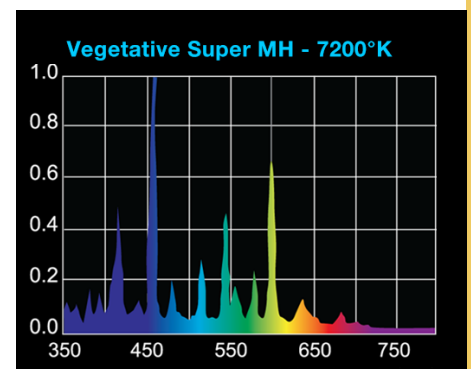### HIGH OUTPUT HORTICULTURAL LAMPS

SolarMAX Reflector Series

SUPER HPS 95% efficient. Amazing uniformity in light spread with 10% more light on the plant canopy. Reduce greenhouse shadowing and no shades/reflectors to assemble. Available in high output 400W (58,000 lumens) or 600W (95,000 lumens) HPS. Smaller than a 400 BT37 lamp. Available in high output 400W (58,000 lumens) or 600W (95,000 lumens) HPS.

VEG. LAMPS Operates on standard 400W or 600W HPS ballast. 95% efficient with amazing light uniformity. More vigorous vegetative growth and stronger roots.

Adjustable lamp base for perfect alignment. Available in high output 400W (32,000 lumens) or 600W (55,000 lumens) MH 7200°K.

7450800	**SOLARMAX 400W HPS REFLECTOR SERIES**
7450801	**SOLARMAX 600W HPS REFLECTOR SERIES**
7450802	**SOLARMAX MHT/R 400W REFLECTOR SERIES**
7450803	**SOLARMAX MHT/R 600W RELFECTOR SERIES**
15 Per Box	

AUVL Lamps

AUVL Double Ended Sodium lamps create an even spread of light.
The construction design of AUVL Grow Green double-ended sodium lamps enable the lamp to spread light very evenly and allow for stable operation in Dim& Boost mode because of their hight-quality components.
They have a higher light intensity and a longer lifetime in comparison to most conventional single-ended sodium vapour lamps.
AUVL Grow Green double-ended Sodium Lamps support the plants in crucial fruiting and flowering stages to receive up to 25% higher yield.

ADVANTAGES

Long life of 10,000 hours (12B10)
Stable photon flow ≥ 90% over the lifetime
10-20% higher light intensity than conventional sodium vapour lamps
First choice for the flowering stage due to the high proportion of red light
More stable mounting due to 2-sided connection K12x30s – advantages in illumination
High photon flow of 2,100 µmol/s
Designed for operating with all major ECG's/ electronic ballasts
Stable operation in Dim & Boost mode possible
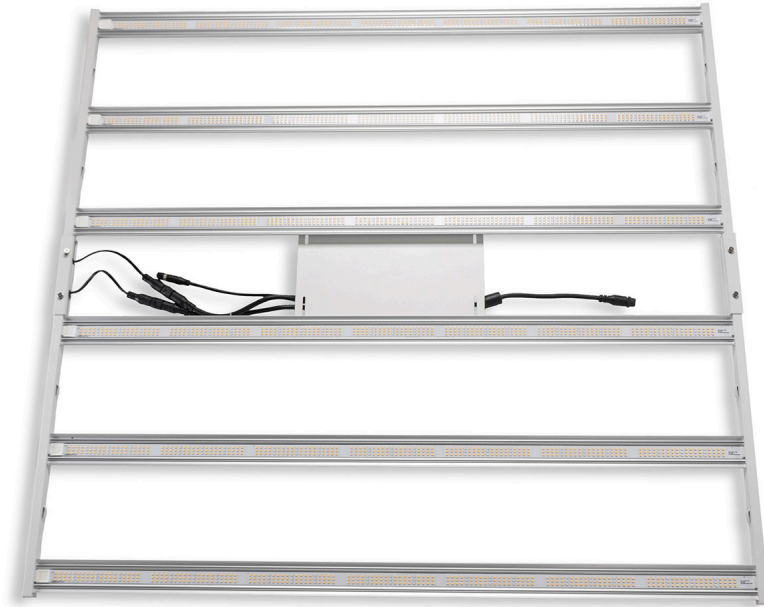
7450950	LAMP AUVL DE 1000 HPS 2100
7450951	LAMP AUVL 6/750 DE HPS7450802

GrowStation 640W

BETTER OPTIONS®

-Growstation LED is powered by MeanWell drivers
-Excellent lighting performance certified by 3rd party laboratory SGS
-PPF: 1570 micromoles per second & 2.45 micromole/J
-Dimmable: dimmable range from 0 ~ 100% at 10% increments
-FCC Class A certified, ETL certified conforms to UL 1598: 2018 Ed.4 & CSA 02.2#250.0:2018 Ed.4
-The whole fixture is IP65 rated suitable for humid environment & wet location
-Reduce air conditioning usage up to 35% compared with 1,000W HID lighting
-Basic Dimmer: 0,.,100% Range, Input Voltage: 11 av, Power Consumption: 2 watt, Operating temperature: 14~104F, Warranty: One year limited.
-Daisy Chain Dimming Cable is IP65 rated

GROWStation 640W Specifications
-PPF: 1570 umole/s
-Input Power: 640W
-Efficacy: 2.45 umole/J
-Input Voltage: 110-277V
-Dimensions: 45' L x 42'W x 3' H
-Weight: 33 lbs
-Max. Ambient Temperature: 95 F
-Dimming: 0-lOV
-Light Distribution: 120 x 115 Degree
-Average Life Hours: 50,000
-Power Factor: >0.9
-Certifications: FCC, cETL, Wet Location
-Warranty: 3 Years Limited
-Max. Current by 120V 5.6A
-Max. Current by 208V 3.2A
-Max. Current by 240V 2.77A
-Max. Current by 277V 2.42A

Basic Dimmer

Input Voltage: 110V
Power Consumption: 2 watt
Operating temperature: 14~104F
Warranty: One year limited.

7502001   **GROWSTATION DIMMER BASIC**

7502000   **GROWSTATION 640W LED**
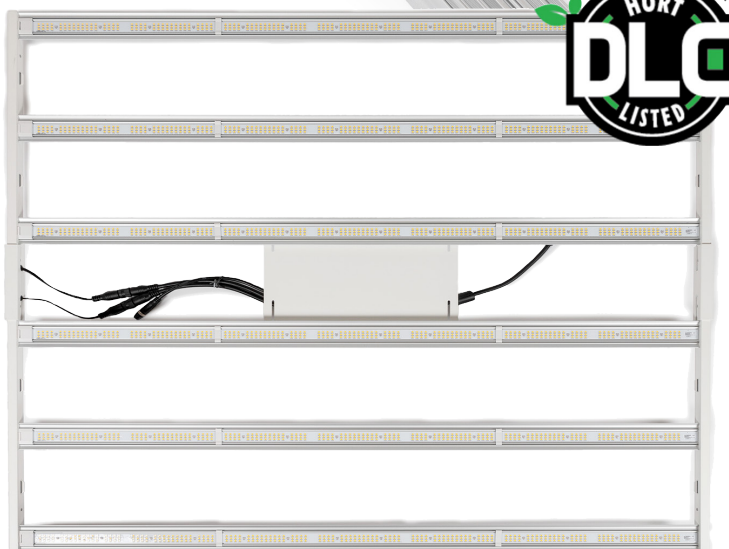
GrowStation 640W Pro 1800

Introducing the latest Growstation PRO 1800 full-spectrum 640W LED fixture.

PRO 1800 640W LED fixtures are here to help you achieve better results!

- Same 640 watt energy consumption
- Higher light output
- IP65 rated
- Higher energy efficiency
- More yield for your garden
- DLC Hort Listed
- PPF: 1,800 umol/s
- Efficacy: 2.80 umol/J

GROWSTATION 640W PRO 1800 Specifications:

- PPF: 1800 umol/s
- Efficacy: 2.8 umol/J
- Dimensions (inches): 45.4 x 42.4 x 3.4
- Weight (lbs): 30
- Light distribution: 125° x 120°
- Average Life Hours : 50,000
- Power Factor: >0.95
- Input Voltage (V): Max. Current (A)
- 120: 5.60
- 208: 3.20
- 240: 2.77
- 277: 2.42
- Warranty: 5 years limited
- Certification: DLC, ETL, FCC
- Max. Ambient Temp.: 95°F

7502004   GROWSTATION 640W PRO 1800

Programmable Dimmer

Product specifications:

Input Voltage: 110V

Power Consumption: 2 Watts

PWM Dimming Signal: 0-100% +/- 1%, 0-10V

Dimming Voltage: 0-10V +/- .1V

Operating Temperature: 14-104F

One-year Limited Warranty.

7502001   GROWSTATION DIMMER

7502002   GROWSTATION T-CABLE FOR DIMMER

RAM BRIDGE™

A3i

For heavy-yielding flowering cycles in single-tier cannabis applications.

Fohse, Inc. is a rising star in the world of indoor horticulture lighting application and research. The company engineers and manufactures LED grow lights specifically for commercial cannabis agriculture.

Over the past three years the Fohse team has been working closely with cannabis cultivators in the Nevada region. In that time we've developed the technology and grow methodology to consistently outgrow HPS. Whether the environment is a single-tier indoor farm, a vertical farm, or a greenhouse, Fohse provides both the LED technology and onsite staff training to ensure client success.
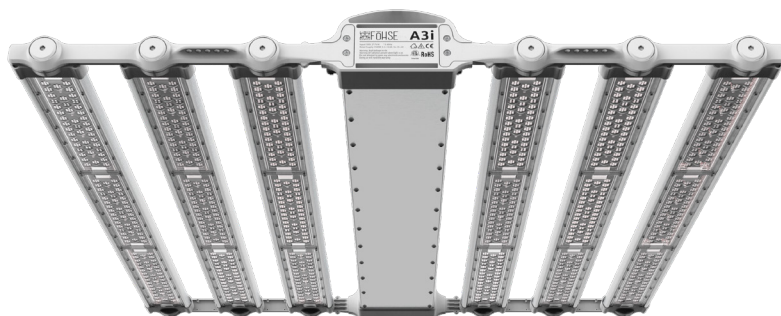
The A3i 1500W LED grow light is ideal for single-tier indoor grows.
The F1V 600W and 1000W LED models are prime choices for vertical farming.
The newest model - the O6i 1200W LED - is a re-imagining of greenhouse supplemental lighting.

PPF: 4,200 µMol/s
Light source: Samsung LEDs
Fixture Efficacy (100% - 50% power): 2.8 - 3.0 µMol/J
Input power: 1500W
Input voltage: Options up to 480V
Fixture dimensions: 42.28L x 42.5W x 4H in
Weight: 70 lbs
Thermal management: Passive
Lens angle: 90°
Maximum Ambient Operating Temperature: 37.8°C
Dimming: 30%
Lens angle: 90°
CRI: 92
Control interface Wall-mounted OLED panel
L90: 50,000 hours
Power Suppl;y Rating: 100,000 hours
Certifications: ETL, IP67, CE
Mounting: Universal Hanging

Fohse™ A3i - Spring

Spectrophotocolorimeter Test Report
Fohse™ A3i - Summer

Spectrophotocolorimeter Test Report
Fohse™ A3i - Autumn

| 7504000 | FOHSE A3i 1500W 100-277V |
| 7504004 | FOHSE A3i 1500W 277 - 480V |

F1V 600W LED

For accelerated vegetative growth in multi-tier vertical cannabis applications.

7504001	**FOHSE F1V 600W 100-277V**
7504009	**FOHSE F1V 600W 277-480V**

PPF: 1,440 µMol/s

Light source: Samsung LEDs

Fixture Efficacy (100% - 50% power): 2.4-2.6 µMol/J

Input power: 600W

Input voltage: Options up to 480V

Fixture dimensions: 42L x 46.5W x 4.6H in

Weight: 38 lbs

Thermal management: Passive

Maximum Ambient Air Temperature: 37.7°C

BTUs/hours: 2,047
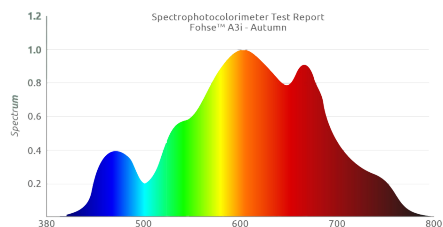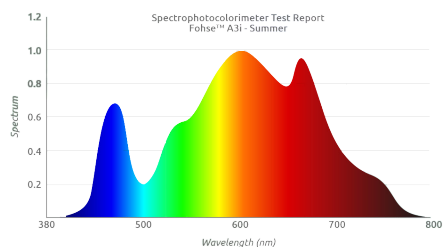
Dimming: 30%

Lens angle: 100°

CRI: 90

Control interface Wall-mounted OLED panel

L90: 50,000 hours

Power Suppl;y Rating: 100,000 hours

Certifications: UL, IP65, CE

Mounting: Universal Hanging

Communication protocol: RS485, 0-10V w/Converter, or Ethernet w/Converter

Fohse™ **F1V** - *Vegetative Spectrum*
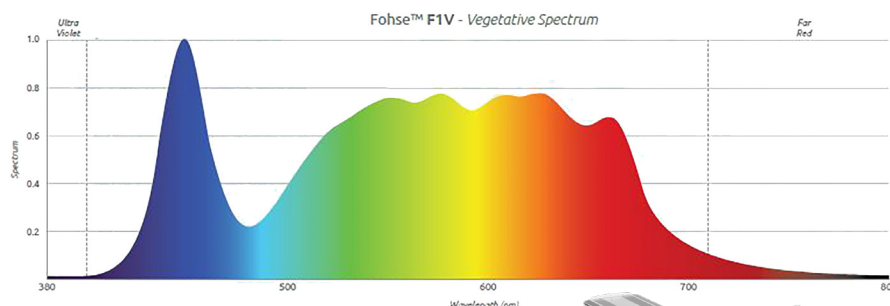
F1V 1000W LED

For high-intensity flowering cycles in multi-tier cannabis applications.

7504002	**FOHSE F1V 1000W 100-277V**
7504008	**FOHSE F1V 1000W 277-480V**

PPF: 2,400 µMol/s

Light source: Samsung LEDs

Fixture Efficacy (100% - 50% power): 2.4-2.6 µMol/J

Input power: 1000W

Input voltage: Options up to 480V

Fixture dimensions: 42L x 46.5W x 4.6H in

Weight: 38 lbs

Thermal management: Passive

Maximum Ambient Air Temperature: 37.7°C

BTUs/hours: 3,412

Dimming: 30%
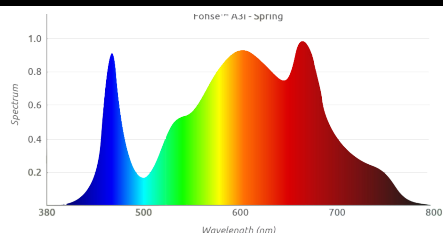
Lens angle: 100°

CRI: 90

Control interface Wall-mounted OLED panel

L90: 50,000 hours

Power Suppl;y Rating: 100,000 hours

Certifications: UL, IP65, CE
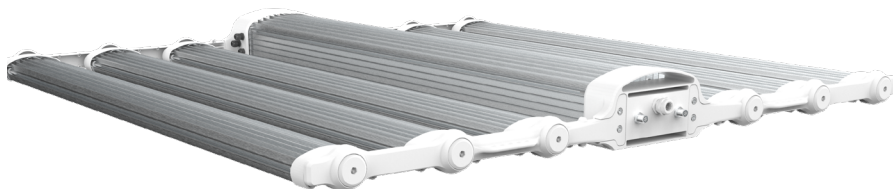
Mounting: Universal Hanging

Communication protocol: RS485, 0-10V w/Converter, or Ethernet w/ Converter

Fohse™ **F1V-FR** - *Flowering spectrum*

RAM BRIDGE™
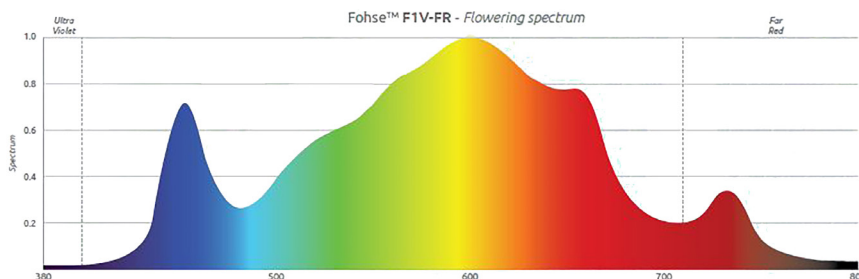
Fixture Specifications:

Light Source: Samsung LEDs
PPF: 1,792 µMol/s
Fixture Efficacy (100% - 50% power): 2.8-3.0 µMol/J
Input power: 640W
Input voltage: Options up to 480V
Fixture dimensions: 33L x 34W x 4.25H in
Weight: 34 lbs
Thermal management: Passive
BTUs/ hour: 2,183
Dimming: 10%
Lens angle: 100°
CRI: 92
Control interface: Wall-mounted OLED panel
L90: 50,000 hours
Power supply rating: 100,000 hours
Certifications: IP67
Communication protocol: RS485, 0-10V w/Converter, or Ethernet w/Converter
Mounting: Universal Hanging
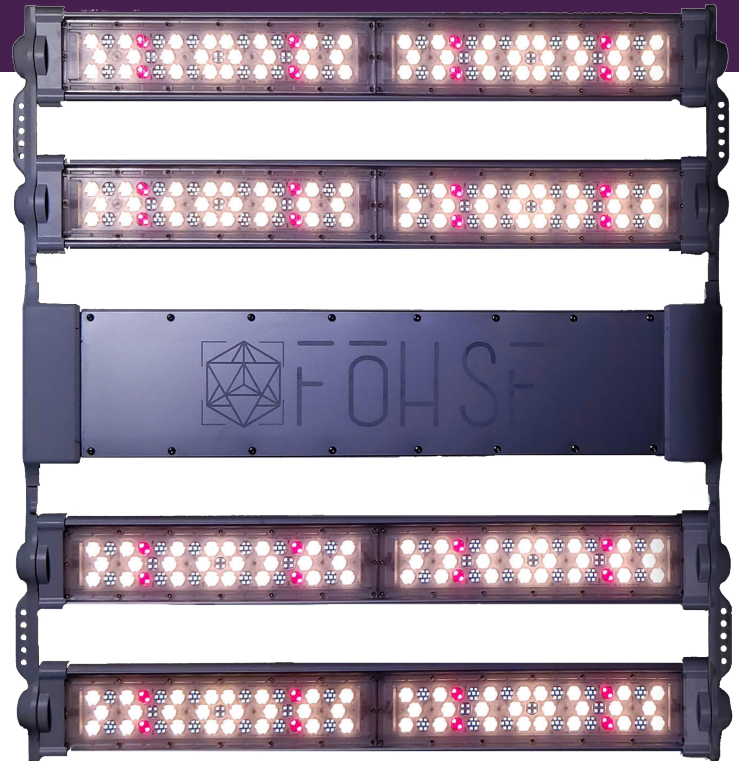
7504007   FOHSE Aries 100-277V

FOHSE Central Control

• Daisy chain up to 100 fixtures per controller (or more with signal repeaters)
• Automate lighting schedules, brightness, and spectrum
• Wall-mounting bracket included
• Compact size : 9" x 6.7" x 1.68"
• Standard 110 volt outlet plug
• Input power : 10 Watts

7504003   FOHSE DIGITAL CONTROLLER

7504010   FOHSE 6FT CONTROLLER CABLE

7504011   FOHSE 15FT CONTROLLER CABLE
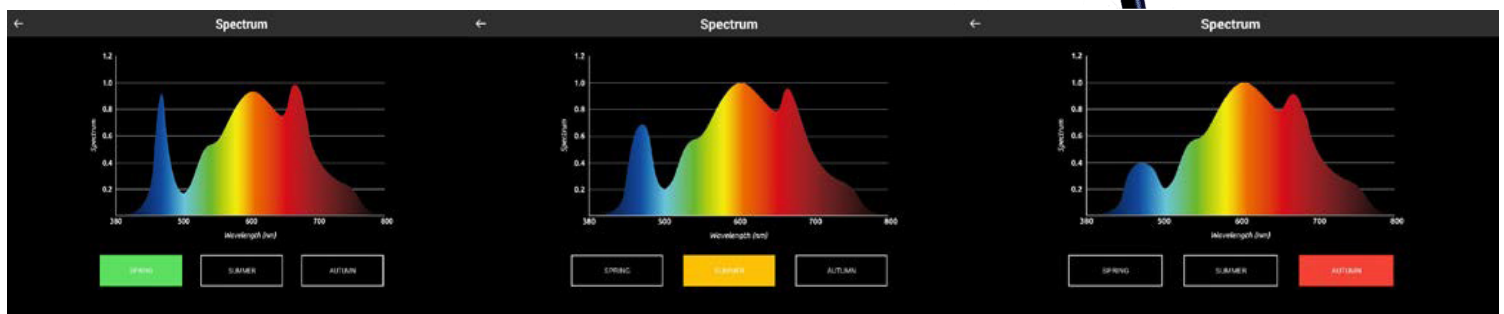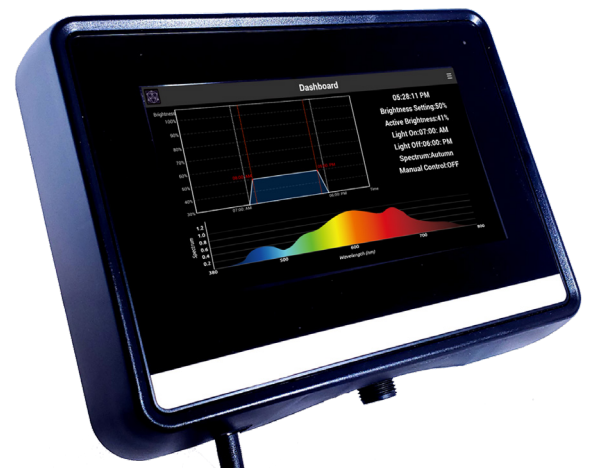
Fixture Specifications:

PPF: 900 µMol/s
Dimming: 10%
Fixture Efficacy (100% - 50% power): 2.8 - 3.0 µMol/J
Input power: 320W
Input voltage: Options up to 480V
LIGHT HARVESTING SENSORS FOR AUTO-DIMMING
Fixture dimensions: 28L x 4W x 6H in
Weight: 15 lbs
Thermal management: Passive
BTUs/ hour: 1,091
Lens angle: 100°
CRI: 90
Control interface: Wall-mounted OLED panel
L90: 50,000 hours
Power supply rating: 100,000 hours
Certifications: IP55
Communication protocol: CAN or BACNet
Mounting: Truss-mounting Spring Clip

7504007   **FOHSE Aries 100-277V**
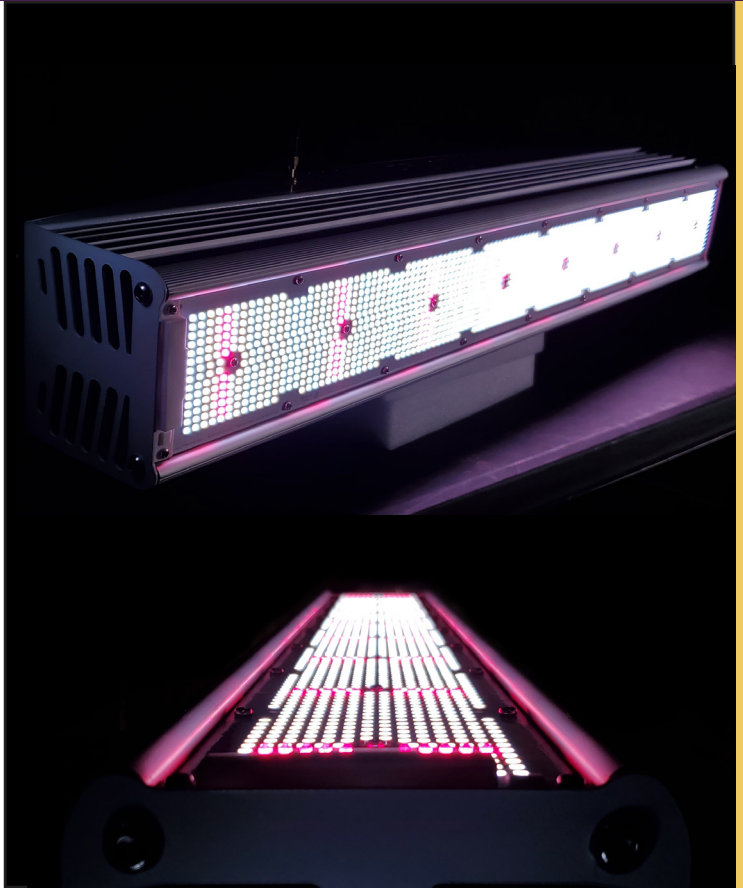
PPF: 3,000 µMol/s
Fixture Efficacy(100% - 50% power): 2.5 - 2.7 µMol/J
Input power: 1200W
Input voltage: Options up to 480V
LIGHT HARVESTING SENSORS FOR AUTO-DIMMING
Fixture dimensions: 16L x 8W x 13H in Weight: 45 lbs
Thermal management: Passive& Active Maximum Ambient Operating Temp: 100°F

BTUs / hour: 4,094
Dimming: 10%
CRI: 80
Control interface: Wall-mounted OLED panel
L90: 50,000 hours
Power supply rating: 100,000 hours
Certifications: IP67
Communication protocol: Wireless, 0-10V w/ converter, Ethernet w/converter, RS485
Mounting: Universal Hanging

Spectrophotocolorimeter Test Report
Fohse™ O6i - Greenhouse Spectrum
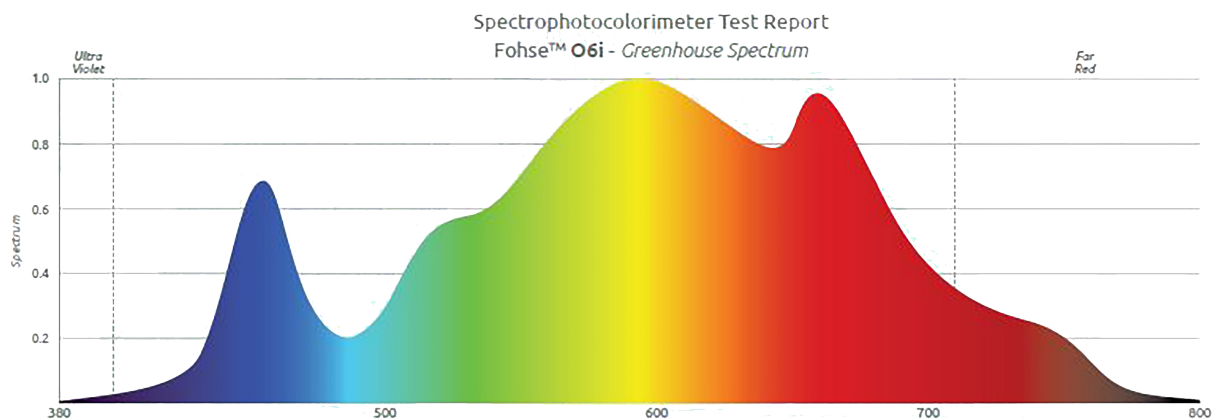
| 7504005 | FOHSE O6i 1200W 100 - 277V |
| 7504006 | FOHSE O6i 1200W 277-480V |

Environmental

ANDEN

![Anden logo]

Anden has been an innovator in the development of precise humidity control systems for commercial and residential applications since 1954. Trust Anden to deliver the reliable products and expert technical support that are critical to successful harvests. At capacities up to 300 pints per day and up to 500 cubic feet per minute of airflow, our dehumidifiers are the only products on the market specifically designed to pull moisture out of the air at lower temperatures.

Industrial Dehumidifiers

Anden A-Series Dehumidifiers' capacities range from 70–130 pints per day of moisture removal. From the serious hobbyist to medium-sized commercial facilities, Anden industrial dehumidifiers are designed to operate effectively in the extreme conditions of any indoor cultivation environment.

3097000	ANDEN A70 DEHUMIDIFIER
3097001	ANDEN A95 DEHUMIDIFIER
3097002	ANDEN A130 DEHUMIDIFIER
3097016	ANDEN A130F DEHUMIDIFIER
3097007	ANDEN HANGING KIT A70/A95
3097008	ANDEN HANGING KIT A130/H-E

A70

A95

A95F

A130F

A130

5 YEAR — 5 YEAR WARRANTY

Industrial Grow-Optimized Dehumidifiers

Anden AV-Series Dehumidifiers range from 210-320 pints per day of moisture removal. Components utilize materials designed for the most extreme conditions and demanding enterprises. The included Model 77 remote control relays diagnostics from the dehumidifier, giving you simple control of the conditions in your cultivation space (upgrade options available). Sensors and controls can be custom-configured for each facility. Anden AV-Series are recommended for the large, ultrahigh volume industrial facilities.

3097021   **ANDEN A210V1 DEHUMIDIFIER 240V 03097022**

3097022   **ANDEN A320V1 DEHUMIDIFER 240V**

3097023   **ANDEN A320V3 277V DEHUMIDIFIER**

3097041   **ANDEN A710V1 240V DEHUMIDIFIER**

3097042   **ANDEN A710V3 277V DEHUMIDIFIER**

3097029   **ANDEN A77 DIGITAL DEHUM CONTROL**

A77 Control

A210V1

A320V1

A320V3

A710V1

277VAC

A710V3

ANDEN Replacement Parts

Anden dehumidifiers are designed for maximum growth. Each filter is produced with a highly specialized, dual layered 100% synthetic media, specifically for use in Anden dehumidifiers. Anden filters are composed of an upstream electrostatically enhanced layer (the E-Layer), and a downstream mechanical layer (the M-Layer). These replacement filters are easy to install, with no assembly or reinforcements to worry about. Protect your equipment for optimal performance.

Anden duct kits are for applications where ducting your dehumidifier is required. This dehumidifier can be installed outside of the grow room and ducted to the room with a dedicated inlet and supply ducts.

Other Anden rplacement parts available upon request.

30970020	**ANDEN AS80 CANISTER**
3097024	**ANDEN AS80LC CANISTER**

3097028 ANDEN 5790 DUCT KIT

3097002 ANDEN 5807 DUCT KIT

3097002 ANDEN 5807 DUCT KIT

3097040 ANDEN FILTER A70

3097046 ANDEN FILTER A95

3097030 ANDEN FILTER A130

3097026 ANDEN A210V1 FILTER

3097027 ANDEN A310V1 FILTER
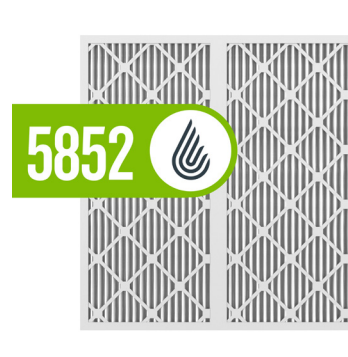
3097044 ANDEN FILTER A710

Anden Steam Humidifier

Anden AS35/ AS35FP Steam Humidifier is a grow room solution that helps you achieve ideal conditions through humidity control. Fogger, mister, steam humidifier. Whatever you call it - this ductless solution is ideal for cultivation.

-High Capacity - 11.5 and 34.6 gallons per day of moisture to the air
-Illuminates service light when canister needs to be replaced. The steam canister may build up with minerals and change color but the steam humidifier produces clean sterile steam that won't leave a mineral residue on your plants
-Designed for easy install, and are fed automatically by a simple connection to a cold water supply. No need to ever fill the tank!
-Includes a fan pack.
-Designed for stand alone applications

19.49" W x 19.36" H x 30.07" D

3097013   **ANDEN AS35FP STEAM HUMIDIFIER**

3097015   **ANDEN REMOTE SENSOR SUPPORT 1 TEMP&RH**

Anden Humidistat

This wall-mounted humidistat boasts a microcomputer design and offers a large LED digital display with a back-light and the ability to lock in your preferred relative humidity set-point from 0 - 100% RH.

-Celsius or Fahrenheit scale.
-Outputs controlling humidification and dehumidification equipment by means of on/off or proportional output signals for greater flexibility.
-Modulating Output Signal provides a 0-10Vdc or 2-10Vdc proportional control signal to the humidifier.
-Humidity set-point reset function based on outdoor temperature which helps prevent condensation in colder climates.
-Humidifier On-Off signal 24Vac dry contact capable of handling up to 1 amp.
-Proportional High Limit Override to prevent over-humidification within the duct and costly water damage.
-Multi-level lockable access menu and lockable set point to prevent accidental changes.

3097010   **ANDEN 5558 DIGITAL HUMIDISTAT WALLMOUNTE**

3097006   **ANDEN A76 DIGITAL DEHUMIDIFIER CONTROL**

Anden 8820 Thermostat

Monitor and adjust the most crucial aspects of the indoor growth environment with all-in-one, touchscreen control. You can dial in the optimal temperature and humidity levels to create a healthy, grow-optimized environment. The 4.5" display offers a range of benefits: constant monitoring of temperature and humidity, easy adjustments, notifications when systems are active, and filter replacement reminders. Plus, there's an app for iOS and Android to keep you in control on the go. It provides full access to controls using your mobile device, so you can monitor and adjust conditions anytime, anywhere.

Anden advanced features:
-2H/2C or 4H/2C HP
-All-in-One Control: Real-time updates on temperature and humidity, plus notifications when systems are active
-Humidity Control: Optimize the performance of your Anden humidity controls
-Temperature Monitoring: Reach your preferred temperature range for maximum growth
-Ventilation Control: Control the flow of fresh air for ideal growth conditions
-.5" Touchscreen: The touchscreen display makes it simple to monitor and adjust indoor conditions
-Large Font Size: The most important information is displayed front and center for easy monitoring
-Backlit Display: Easy to read, even in sunlight and includes a constant low-intensity light option
-Screen Lockout: Prevent inadvertent or unauthorized adjustments
-Permanent Memory: Settings, time, and date are maintained during a power outage
-Built to Last: Dependability is at the heart of what we do. That's why we offer a 5-year warranty on this product–so you can grow with confidence

3097011   ANDEN 8820 THERMOSTAT TCHSCRN WIFI IAQ

Anden 8840 Control

The Anden 8840 Control Panel is our most advanced monitoring system, designed for the most demanding, grow-focused environments. It gives you the power to monitor and adjust the most crucial aspects of the indoor growth environment with all-in-one, touchscreen control. You can dial in the optimal temperature and humidity levels to create a healthy, grow-optimized environment. The 7" full color display offers a range of benefits: constant monitoring of temperature and humidity, easy adjustments, notifications when systems are active, and filter replacement reminders. Plus, there's an app for iOS and Android to keep you in control on the go. It provides full access to controls using your mobile device, so you can monitor and adjust conditions anytime, anywhere.

- All-in-One Control – Real-time updates on temperature and humidity, plus notifications when systems are active
- Humidity Control – Optimize the performance of your Anden humidity controls
- Temperature Monitoring – Reach your preferred temperature range for maximum growth
- Ventilation Control – Control the flow of fresh air for ideal growth conditions
- 7 inch Touchscreen – The full color display makes it simple to monitor and adjust indoor conditions
- Large Font Size – The most important information is displayed front and center for easy monitoring
- Backlit Display – Easy to read, even in sunlight and includes a constant low-intensity light option
- Screen Lockout – Prevent inadvertent or unauthorized adjustments
- Permanent Memory – Settings, time, and date are maintained during a power outage
- Built to Last – Dependability is at the heart of what we do. That's why we offer a 5-year warranty on this product–so you can grow with confidence

3097014   **ANDEN 8840 COLOR THERMOSTAT TCHSCRN WIFI**

RAM BRIDGE™

Mammoth Grow Tents

Mammoth grow tents offer all options possible to growers from the novice to the advanced.

Quality assured with dual stitching, with reflective and durable Mylar, strong framing with plastic protective cornering.

Easy assembly with interlocking tent options. Mammoth grow tents have been designed for growing all types of plants, even those that require specific conditions (Orchids, Aloe Vera, citrus plants, carnivorous or tropical plants). These indoor grow tents incorporate a hammered effect Mylar in the material which acts as a barrier to toxins generated by PVC and also has a reflectivity value of over 95%.

Whether you are a beginner or a more experienced gardener, Mammoth grow tents will bring you total satisfaction in knowing you can reproduce plants and control the environment in a portable environment.

Mammoth Grow Tents
a tent for every grower...
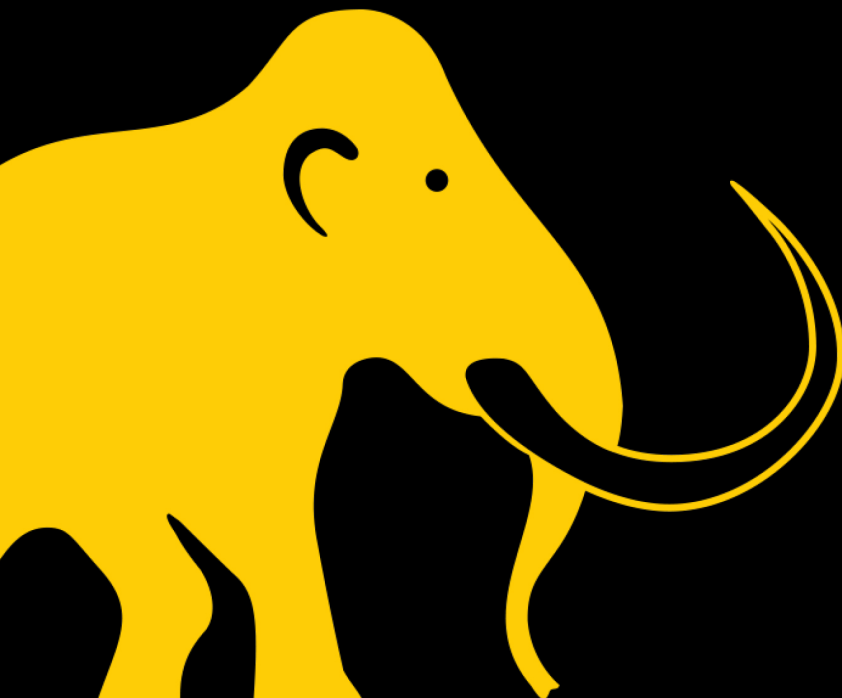
Mammoth Classic+

NOW WITH 600D MYLAR
AND 19MM POLES
• Better light proof design
• Quick and easy assembly
• Strong frame with high quality
corners and connectors
• Available in a wide range of
sizes
• Big doors for easy access
• Multiple inlets and outlets for
flexible installation

A high quality tent for the hobby
grower, this mid-range grow
room has features normally
associated with higher end tents.

• High light proofing (Level 1)
• Equipment tubes are strong
enough to hold 20kg
• Large doors - easy to access
and work in various intakes and
exhausts make setup flexible
• Straps and hooks for easy
integration

5300730 CLASSIC60 2X2X4.6

5300731 CLASSIC90 3X3X5.3

5300732 CLASSIC120 4X4X6

5300733 CLASSIC150 5X5X6.6

Mammoth Pro+

NOW WITH 600D MYLAR
AND 22MM POLES

• High light proofing (Level 2)
• Polypropylene corners for
maximum rigidity
• Equipment tubes that have
30kg load capacity
• Large doors - easy to access
and work in
• Material is washable inside and
out
• Straps and hooks for easy
integration of equipment
• Light, easy-to-transport
material and is easy to assemble

5300800 MAMMOTH PRO+ 80 2.6X2.6X6'

5300801 MAMMOTH PRO+ 90 3X3X6'

5300802 MAMMOTH PRO+100 3.3X3.3X6.6'

5300803 MAMMOTH PRO+ 120 4X4X6.6'

5300804 MAMMOTH PRO+ 150 5X5X6.6'

5300805 MAMMOTH PRO+240 8X8X6.6'

5300706 PRO240L 8X4X6.6

5300707 PRO300L 10X5X6.6

Mammoth Elite

The ultimate in quality for the
professional grower.
• Heavy duty frame, corners
and fabric, with stainless steel /
aluminium click system
• Dual multiple intake and
extraction socks
• Equipment tubes that have a
75kg load capacity
• Wide easy access door, with
jam proof / waterproof zipper.
•   Waterproof floor
• Large doors - easy to access
and work in
• Material is washable inside and
out
• Modular: customize your
own grow room by combining
different Elites sizes - unique
linkable panels - your shape,
your size

5300770 ELITE480 16X8X7.9

5300771 ELITE600L20X10X7

5300772 ELITEHC900L 15X30X7.11

5300773ELITEHC300L 5X10X7.11

5300776 ELITEHC600L 10X20X7.11

RAM
BRIDGE™

Mammoth Dual

The Mammoth Dual is the ultimate growing environment.
Thanks to the large doors, the Mammoth Dual easily accessible and convenient
 to operate.

5300750   **MAMMOTH DUAL90 3X3X6.3**

5300751   **MAMMOTH DUAL120 4X4X7**

Mammoth Gavita G1

The only tent made for Gavita DE! Now run one Gavita DE 1000W fixture in a
tent with matching footprint at 3.6 ft x 5.9 ft x 7.88 ft. Rugged exterior, heavy
duty 22mm steel frame, 2 front doors, 3 side windows, 95% reflective mylar
coating 600D lightproof canvas, waterproof built in tray. Use with New
Gavita M Style SR Small Room Reflector insert with Gavita DE fixtures for
optimized growth.

5300760   **GAVITA TENT G1 (3.6X5.9X7.9)**

Mammoth Gavita G2

The only tent made for Gavita DE! Now run TWO Gavita DE 1000W fixtures
in a tent with a matching footprint at 5.91 ft x 7.22 ft x 7.88 ft. Rugged exterior,
Heavy duty 22mm steel frame, 2 front doors, 2 side doors, 3 side windows, 95%
reflective mylar coating 600D lightproof canvas, waterproof built in tray.
Use with New Gavita M Style SR Small Room Reflector insert with Gavita DE
fixtures for optimized growth.

5300761   **GAVITA TENT G2 (7.2X5.9X7.9)**

Mammoth Gavita G1 & G2 Additional Features

• Deep Penetration of Light - Mammoth Elite reflective walls and tent shape maximize light in all
directions
• FootPrint - tent matches the Gavita Light footprint
• More Ports! - Port on front allows access to Gavita Master Controller
• Never Overheat - at almost 8 feet tall this tent keeps its cool
• 100% Waterproof Flooring - built in water tray
• Heavy duty frame with 22 mm steel poles
• Rugged, light proof canvas exterior and reflective mylar interior

Mammoth Accessories

Mammoth Propagator

The Mammoth Propagator is a small propagation and germination grow box, ideal for keeping mother plants, germinate seeds, cutting propagation and for the small plants growth stage. Small and reflective, everything you need for your cuttings and seedlings. Lined with 190D Mylar (CRX 95%) material at a very high coefficient of light refraction. Provided with all the necessary tools for a professional growing, with ventilation diagonal window and metal strong structure to support lighting and filters smells (up to 20kg).

| 5300781 | MAMMOTH PROPAGATOR 3X2X2 |
| 5300791 | MAMMOTH PROPAGATOR125 4X2X4 |

Mammoth WebIT

Adjustable Plant Support designed to fit the Pro Series tents Small fits Pro 60 - 90 Large Fits Pro 120 - 150.

| 5300782 | MAMMOTH WEB 60-100 |
| 5300783 | MAMMOTH WEB120-150 |
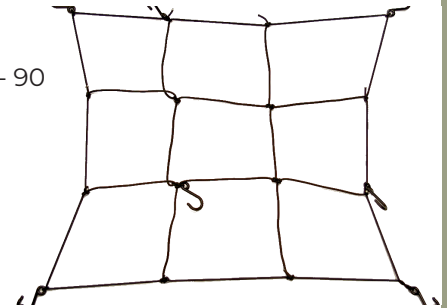
Mammoth Dryer

31" 5 Layer Dryer you can dry your yields in the very same Mammoth grow tents in which you grew those plants! The Mammoth DryIT is a 31" dryer that is powerful enough to dry large amounts of yields simultaneously. The Mammoth DryIT hangs from the roof crossbars inside the DarkRoom. The DryIT is also compatible with the DarkDryer system, which when used in tandem team up to create one super-efficient and high-performance drying system.

5300780	MAMMOTH DRYER90 3X3X6
5300785	MAMMOTH DRY 45
5300786	MAMMOTH DRY 80

Mammoth S Hooks

5 "S" hooks Mammoth Hook with a diameter of 16 mm or 25mm. Ideal for hanging objects and power cables in the grow room. Great way to hang accessories in your tent.

| 5300789 | MAMMOTH S HOOK 16MM (5PC) |
| 5300790 | MAMMOTH S HOOK 23MM (5PC) |
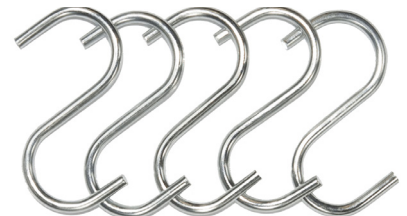
Mammoth Strap and Adjust

Mammoth Straps are made of heavy duty nylon and are perfect suspending small to medium sized carbon filters in the tent.

| 5300788 | MAMMOTH STRAP (2PC) |

2 Pack Fully adjustable Light Hanger

| 5300787 | MAMMOTH ADJUST (2PC) |

Commercial Applications

Commercial Cannabis

Rambridge is proud to be an industry leader in the development and planning of commercial cannabis production. With over 35 years of experience in all facets of commercial production, we are dedicated to providing high quality products and service. We work closely with horticultural experts to provide our customers with consultation, design and installation of commercial cannabis system

Our partners include leading experts in:
- Application Engineering
- Horticultural Lighting
- Environmental and Climate Control Solutions
- Ventilation / HVAC
- Benching Systems
- Cloning Solutions
- Growing Substrates
- Fertilizers and Additives
- Composting
- Professional Consultation
- Vertical Farming

RAM BRIDGE™

Brome Compost

Composting Greenhouse Residues and Destroying Grow Waste
For greenhouses and for other types of agricultural producers, managing plant waste is a key issue that can result in added operating costs. This is even more true for licensed cannabis producers, who must ensure the complete destruction and denaturation of their plant waste in order to conform to government regulations. An industrial composting system, composed of a BROME composter, a shredder and other complimentary equipment, is both a simple and an effective solution for the management of harvested plant waste.
In greenhouse, composting offers several benefits.
Improve greenhouse grow waste disposal operations:
·   All plant parts can be composted;
·   Reduction of operating costs in comparison with other destruction methods;
·   Better greenhouse production when finished compost is added to the substrate;
·   Heat recovery from the composter for use in the greenhouse;
·   Disposal of diseased plants through composting;
·   Possible partnership with neighbors, allowing for the implementation of a resource pool for carbon or nitrogen feedstocks;
·   Resale opportunity for surplus compost.
Conform to disposal standards
·   Breakdown and denaturation of plant residues;
·   Low cost compared to waste collection;
·   Social acceptability of composting.
Easy operation
·   Cleanliness;
·   Minimal operating costs;
·   Few workers needed;
·   Simple installation;
·   Better control over the composting process;
·   Better control over odor management;
·   Better control in all weather conditions : air temperature, precipitation, evaporation and the risk of unpleasant odors.
BROME Compost offers different composter models and complementary equipment as well as services to adapt to the composting needs of your greenhouse. For a growing facility, a made to measure composting system is a simple and efficient method to ensure the destruction and denaturing of plant residues in compliance of regulations.

waterzuivering
intern transport
containersystemen
teeltsystemen
grondboringen

aluminium
Growing Benches

All our growing benches are customer made and exist of an aluminium bench top, mounted on hot dip galvanised steel legs. The aluminium bench top can be supplied in an assembly model (which is very useful for export) or in a welding model. We can supply both designs with several side profiles and with any kind of bottom. Our benches are available in rolling or static design. Installation of our benches system belongs, of course, also to the possibilities.

Supports of the growing benches

The supports of our various models are made of hot dip galvanised steel tubing. As standard the supports are provided with adjustable cross rails. It is very easy to set the benches on waterlevel or under a small angle of inclination.
Also delivering of aluminium supports belongs to our skills. If desired we provide the supports with a special host-guide-system. It is also possible to deliver special supports for easy mounting in the "full ground".

Aluminium bench top of welding model

The aluminium bench top of the welding model will be supplied in parts of aprox. 6 -7 meters long and are mounted by means of couple joints. To give support for the bottom we weld special I-profiles in the bench top. As standard our rolling benches are provided of a anti-tipp construction. The more wider static tables are provided, as standard, with extra profiles to guaranty a stable construction.
Standard side profiles of the welding model: 10,13,16 cm. Specifications on request.

Aluminium bench top of assembly model

The aluminium bench top of the assembly model exists of loose aluminium profiles, with a length of 6 - 7 meter, which have to be connected by screws right on the job. Owing to this the assembly model is very easy to transport and quite suitable for export. The I-profiles which give support to the bottom are mounted very easily by the customer. The rolling benches of this model are also provided, as standard, of an anti tipp construction. The more wider static tables are provided, as standard, with extra profiles to guaranty a

stable construction. Standard side profiles of the assembly model: 6, 9, 12, 18 cm. Specifications on request.

Cultivation bench bottoms

For each type of cultivation we provide your bench system with the correct bottom. Here is a selection of the bottoms on offer:
• ebb/flow bottoms in aluminium or plastic
• galvanised wire, extended metal bottoms
• tempex flat plate bottoms
• tempex bottoms with ventilation holes
• eternite plate bottoms
• plasticol, shinplay bottoms
• cultivation gutters
• aluminium bottoms

Various bottoms can be provided with heated top system and/or aluminium foil.

K O S T E N B E S P A R E N D   M A A T W E R K   V O O R   U W   B E D R I J F !

rambridge.com

RAM
BRIDGE™

35

netled
New era of **growing**

Turnkey
Vertical farm

VERA®
Compact
Datasheet 1.8

STRUCTURE

Light source	LED
LED Thermal Management	Passive or Water cooling
Estimated annual power consumption	59 MWh
Power peak	23 kW
Circuit breaker	40 A
Dimensions	8 m W x 6 m L x 3 m H
Required space	10 m W x 8 m L x 3.5 m H
Facility requirements	Insulation and utilities
Required utilities	Water, Sewage, Electricity, Internet
Rack material	Aluminium
Gutter material	PVC
Collector gutters material	Stainless steel

Suitable for growing leafy greens, flowers and seedlings

VERA AUTOMATION

Interface	Touch screen panel and remote VPN access via HTML combatible device
Controls	Light levels, Light cycles, Mobile gutters, Irrigation, Nutrients, Dosing, Humidity, Temperature, CO_2
Method	Fully automatic with recipes or set values manually
Data	Includes for example histograms of growing conditions and data export for example to ERP

HARVEST AND IRRIGATION

Irrigation solutions	2 – 3 fertilizer solutions, pH agent, recirculating solution, control by EC and pH sensors
Capacity	5700 pots with 15 cm spacing
Growing time	27 – 35 days* *Varies depending on plant, variety and growing recipe

GROWING CONDITIONS

PPFD	Set between 0 – 190 µmol/m²/s
Day cycle	Day and night lenght can be adjusted
CO_2	Adjustable 200 – 2000 ppm
Relative humidity	Adjustable 55 – 85 %
Growing temperature	Adjustable 15 – 30 °C

vera®

netled
New era of growing

Turnkey
Vertical farm

VERA®
Industrial
Datasheet 1.6

MODULE STRUCTURE

Light source	LED
LED Thermal Management	Passive
Annual power consumption	222 MWh (7300h and 6 layers)
Module dimensions	6 m W x 6 m L x 6,75 m H (6 layers)
Modularity	2-6 layers, 1-16 modules in series, any amount in pararrel
Facility requirements	Insulation and utilities
Required utilities	Water, Sewage, Electricity, Internet
Frame material	Aluminium
Gutter material	PVC
Collector gutters material	Stainless steel

VERA AUTOMATION

Interface	Touch screen panel and remote VPN access via HTML combatible device
Controls	Light levels, Light cycles, Mobile gutters, Elevators, Irrigation, Nutrients, Dosing, Humidity, Temperature, Processing, CO_2
Method	Fully automatic with recipes or set values manually
Data	Includes for example histograms of growing conditions and data export for example to ERP

HARVEST AND IRRIGATION

Irrigation solutions	2 – 3 fertilizer solutions, pH agent, recirculating solution, control by EC and pH sensors
Capacity	14 500 pots each module with 15 cm spacing
Growing cycle lenght	27 – 35 days* *Varies depending on plant, variety and growing recipe

GROWING CONDITIONS

PPFD	Set between 0 – 250 µmol/m²/s
Day cycle	Day and night lenght can be adjusted
CO_2	Adjustable 200 – 2000 ppm
Relative humidity	Adjustable 55 – 85 %
Growing temperature	Adjustable 15 – 30 °C

Suitable for growing leafy greens, flowers and seedlings

SPECIFICATIONS

Light Source	LED	
Spectrum	High blue to red ratio, extra high red to far red ratio	
PPF	1250 µmol/s	
Input Power	500 W	*Tolerance +/- 2%
Efficacy	2.5 µmol/J	
Input Voltage	120/277 VAC	
Input Frequency	60 Hz	
Inrush current	220 VAC: 4.7 A^2s, 7.64 ms	
Fixture Dimensions	12.2″ W x 8.3″ L x 7.7″ H	
Weight	17.9 lb	
Input connector	Wieland or free cable end	
Mounting Height	Trellis mounted	
Enclosure material	Tempered AR-glass, Powder coated steel enclosure	
Heat sink material	Anodized aluminum	
Thermal Management	Passive	
Dimming	0-10 V, PWM*	*on request
Dimming connector	M12	
Automation interface	Netled lighting automation	*Greenhouse automation compatible (0-10 V)
Beam angle	120°	
Lifetime (L90)	40 000 h	
Power Factor	99 %, 96 %	120 VAC, 277 VAC
Operating temperature	0-40 °C	
Storage temperature	-20-40 °C	
Ingress Protection Rating	IP55, suitable for wet locations	
Certifications	CE, RoHs	
C16 installation quantity	2, 2	120 VAC, 277 VAC
Warranty	3 Year Standard	

Suitable for indoor and greenhouse use

This luminaire is specifically designed for cultivation of Cannabis sativa L. based on top research data available for lighting effects on total cannabinoid yield.

Special features include high R:FR ratio and high blue content which is known to promote total cannabinoid yield up to 23%.

Coverage areas:
21 square foot at PPFD level of 700 µmol/s*m² at 4 ft
30 square foot at PPFD level of 500 µmol/s*m² at 5 ft
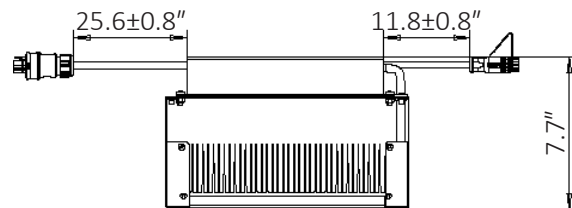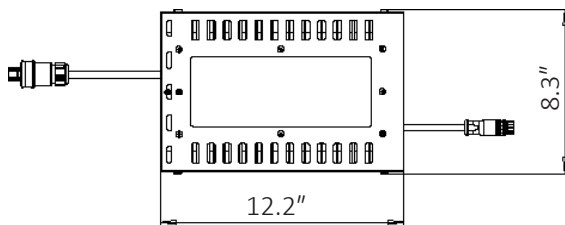
8.3″

12.2″

25.6±0.8″   11.8±0.8″

7.7″

netled

New era of **growing**

SPECIFICATIONS

|		
Light Source	LED	
Spectrum	Standard (S), Hybrid (H), White (W)	NOS2427V (S), NOH2427V (H), NOW2427V (W)
PPF	610, 580, 590 µmol/s	(S), (H), (W)
Input Power	240 W	Tolerance +/- 2%
Efficacy	2.54, 2.42, 2.46 µmol/J	(S), (H), (W)
Input Voltage	277/480 VAC	
Input Frequency	60 Hz	
Inrush current	480 VAC: 1.3 A²s, 1.43 ms	
Fixture Dimensions	11.7″ W x 6.5″ L x 3.2″ H	
Weight	4.3 kg	
Input connector	Wieland RST20I3S S1 ZR1	
Mounting Height	Trellis mounted	
Enclosure material	Tempered AR-glass, Powder coated steel enclosure	
Heat sink material	Anodized aluminum	
Thermal Management	Passive	
Dimming	0 – 10V, PWM*	*on request
Dimming connector	M8	
Automation interface	Netled lighting automation	Greenhouse automation compatible (0-10 V)
Beam angle	80 °	
Lifetime (L90)	40 000 h	
Power Factor	96 %	277 VAC
Operating temperature	0 – 40 °C	
Storage temperature	-20 – 40 °C	
Ingress Protection Rating	IP55, suitable for wet locations	
Certifications	CE, RoHs, cETLus	
C16 Installation quantity	11, 4	277 VAC, 480 VAC

Hybrid
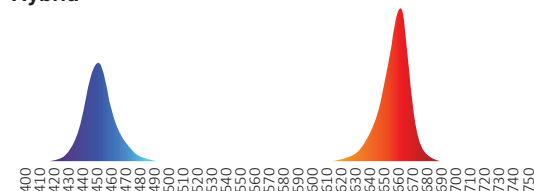
White
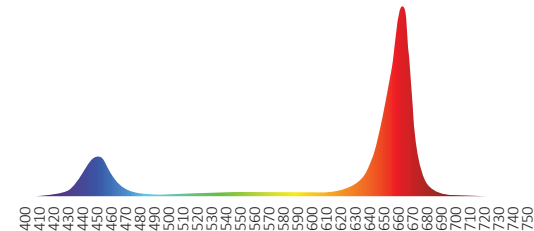
Standard
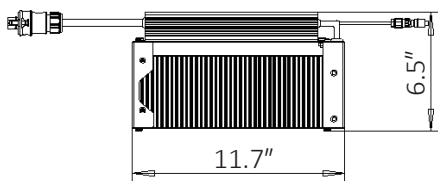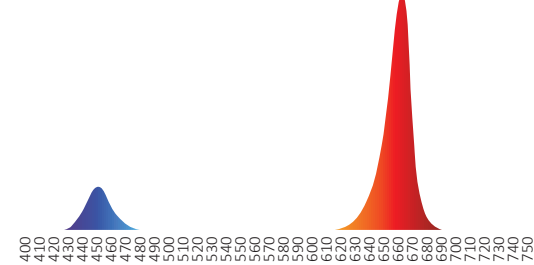
6.5″

11.7″

9.4±0.8″   23.2±0.8″

3.2″

CE ETL c LISTED us

Custom Lighting Layouts

When considering supplemental lighting for your greenhouse operation, it is important to evaluate the following four factors:

1. Quantity (light intensity)
2. Duration
3. Quality (spectrum)
4. Distribution (uniformity)

When light is insufficient, it could hinder crop development and yields. Find out how much light is needed, how to measure existing light levels and the amount of light missing from your operation. Start your FREE personalized lighting layout today!
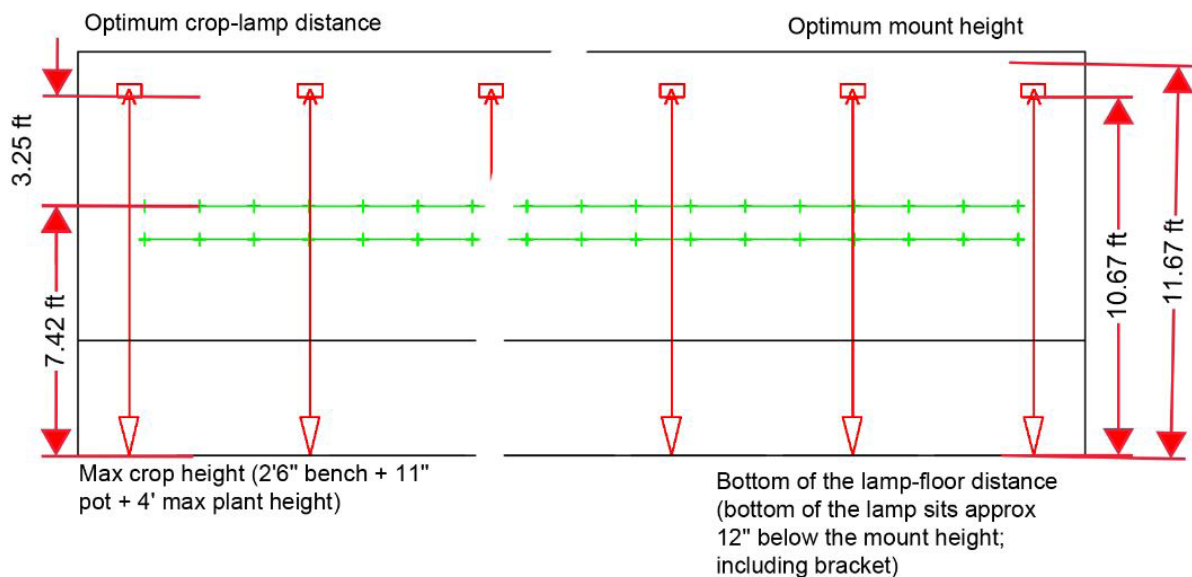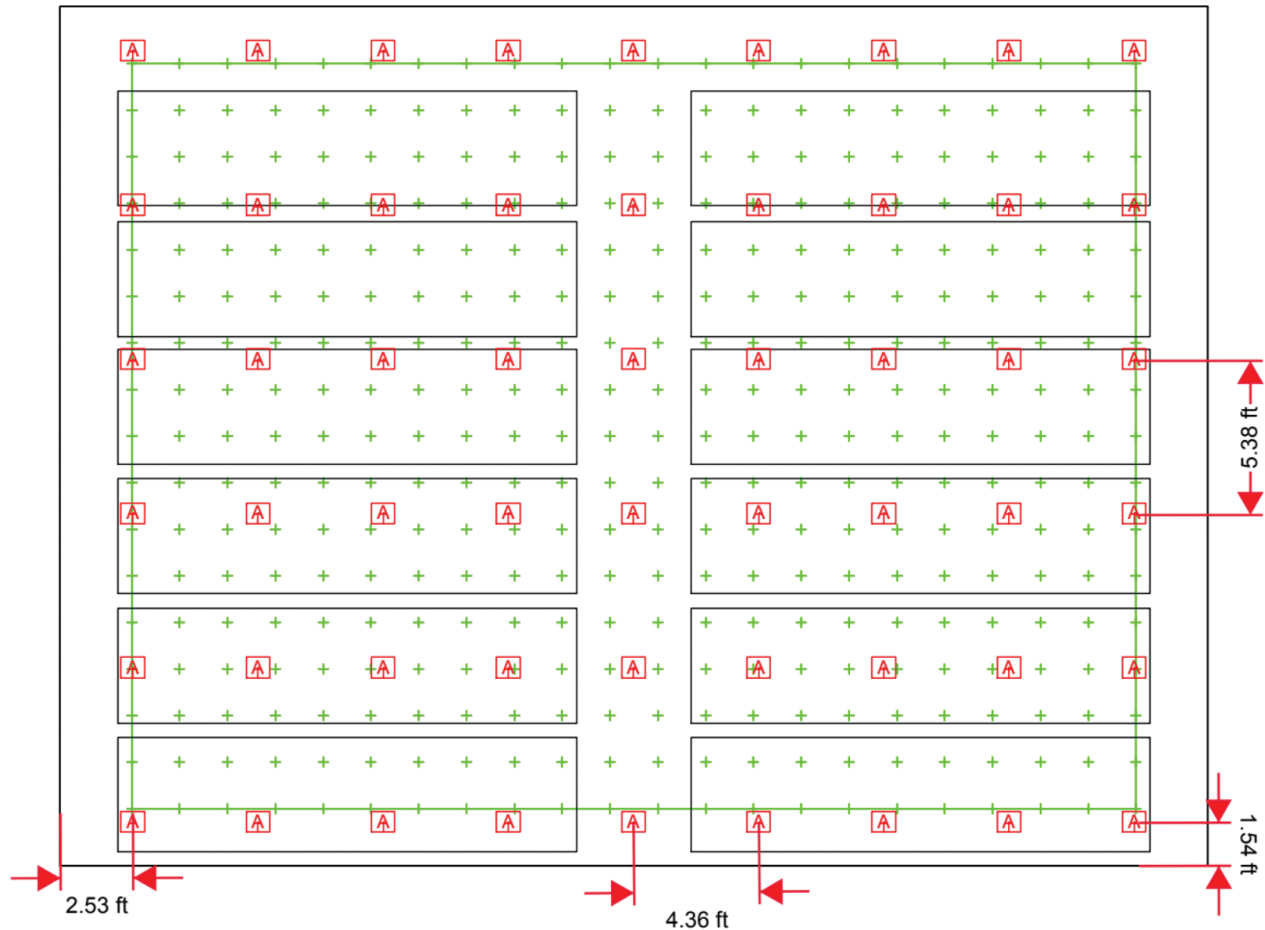
Dehumidifier placement is crucial to the efficient performance of your grow space.

It's all about creating predictable conditions, which are achieved by being intentional and specific about the placement and capabilities of your equipment.

Whether one unit is getting the job done, or you're up to 15 dehumidifiers and counting, take these tips into account so you can maximize predictability, efficiency, and growth.

- **Even Distribution**
- **Maximize Airflow**
- **Remote Control**
- **Placement Options**
  - o   Suspended
  - o   Freestanding
  - o   Ducted
- **A Helping Hand with Installation**

Dehumidifiers
Designed for Grow.
Capacities for all sizes and operations.

Humidifiers
Maintain precise RH.
Clean steam with no residue.

Controls
Monitor and Control.
Temperature and RH levels from anywhere.

Sensors
Precise Sensing.
Uses up to 4 sensors to eliminate hot and cold spots

OPTIMAL GROW FACILITY

FLOWER 4   FLOWER 3   FLOWER 2   FLOWER 1

VEG ROOM   MOTHER ROOM / CLONE ROOM   DRY/ CURE ROOM

SPECIFICATIONS

Capacity[1] (water removal)	70 ppd
Energy factor[1] (efficiency)	2.1 L/kWh (4.4 pints/kWh)
Voltage, Phase, Frequency	120VAC, 1 Phase, 60 Hz
Current draw[1]	5.8 Amps
Power (Watts)[1]	645 Watts
Noise	53 dBA ducted	58 dBA unducted
Dimensions: (cabinet only)[2]	Width: 12½" Height: 12½" Length: 25"
Weight	56 lbs.
Inlet air operating conditions during:	
Dehumidification:	50°F–104°F, 40°F dew point min.
Ventilation:	40°F–140°F, 0%–99%RH (non-condensing)

[1]Rated capacity and energy factor test done and current draw measured in accordance with AHAM DH-1 2008 at 80°F/60% RH inlet air at 0.0 ESP. [2]Height does not include adjustable feet. The width excludes the filter doors and length excludes the duct collars.

FEATURES

Control[3]	Built-in digital control with display
Control mounting option	Front mount only
Air discharge orientation	End of cabinet only
Inlet/Outlet duct collars	8"
Backdraft damper at outlet	No
Filter	MERV 11 disposable
Refrigerant	R410A
Coil type	Corrosion resistant aluminum
8' Power cord	Plug type
Discharge air temperature rise	10°F–30°F
Drain connection	¾" MNPT Threaded
Warranty	5 Years on all parts including refrigeration system

[3]Built-in automatic control capable to be set up for dehumidification and ventilation or zoning.

INCLUDED ITEMS

Drain fitting	¾" MPT x ¾" barbed
10 ft. Drain tubing	¾" ID
Duct collars	8" Round
Manual	Installation instructions

▶ **PRINCIPLE OF OPERATION**

The Anden Model A70 Dehumidifier is designed to dehumidify the air coming into the unit by passing the incoming air over an evaporator coil to drop the air temperature below the dew point of the air. Moisture is removed from the air and drained out of the unit to a common floor or waste drain. The air is then reheated in the condenser coil and exits the unit.

Dehumidification occurs until the set point is reached, then shuts off until periodic sampling determines a need for operation.

▶ **APPLICATION**

The Anden Model A70 Dehumidifier is the perfect solution for the precise management of humidity required in an indoor growing environment.

▶ **CIRCULATION**

The Model A70 can also be programmed to circulate air within a grow facility. Proper air flow carries moisture away from the plants, helping to prevent fungus, disease and plant pests from damaging the crop. Circulating the air also maximizes the application of CO_2 in the grow facility.

90-2289
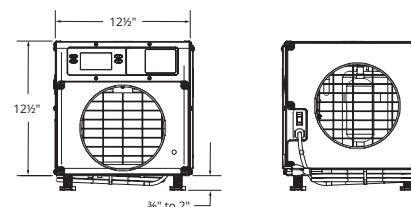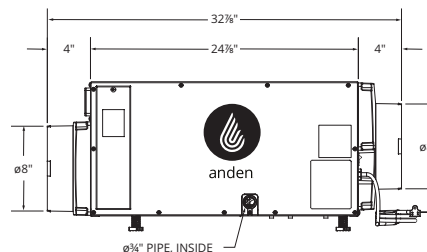
SPECIFICATIONS

Model	A95 (ducted)	A95F (movable, with casters)
Capacity[1] (water removal)	95 ppd	
Energy factor[1] (efficiency)	2.1 L/kWh (4.4 pints/kWh)	
Voltage, Phase, Frequency	120VAC, 1 Phase, 60 Hz	
Current draw[1]	8.0 Amps	
Power (Watts)[1]	905 Watts	
Noise	54 dBA ducted	60 dBA
Dimensions: (cabinet only)[2] Width:	12½"	12½"
Height:	14½"	14½" cabinet 17½" with casters
Length:	27½"	27½"
Weight	70 lbs.	
Inlet air operating conditions during:		
Dehumidification:	50°F–104°F, 40°F dew point min.	
Ventilation:	40°F–140°F, 0%–99% RH (non-condensing)	

[1]Rated capacity and energy factor test done and current draw measured in accordance with AHAM DH-1 2008 at 80°F/60% RH inlet air at 0.0 ESP. [2]Height does not include adjustable feet. The width excludes the filter doors and length excludes the duct collars.

FEATURES

Model	A95 (ducted)	A95F (movable, with casters)
Control[3]	Built-in digital control with display	
Control mounting option	Field interchangeable from top to front	Top only
Cabinet insulation	½" EPS	
Air discharge orientation	Top or end	End
Inlet/Outlet duct collars	10" dia.	N/A
Backdraft damper at outlet	Included	N/A
Filter	MERV 11 disposable	
Refrigerant	R410A	
Coil type	Corrosion resistant aluminum	
8' Power cord	Plug type	
Discharge air temperature rise	10°F–30°F	
Drain connection	¾" MNPT Threaded	
Warranty	5 Years on all parts including refrigeration system	

[3]Built-in automatic control capable to be set up for dehumidification and ventilation or zoning.

INCLUDED ITEMS

Drain fitting	¾" MPT x ¾" barbed
10 ft. Drain tubing	¾" ID
Duct collars	10" Round (A95 only)
Manual	Installation instruction

▶ **PRINCIPLE OF OPERATION**

The Anden Model A95 Series Dehumidifier is designed to dehumidify the air coming into the unit by passing the incoming air over an evaporator coil to drop the air temperature below the dew point of the air. Moisture is removed from the air and drained out of the unit to a common floor or waste drain. The air is then reheated in the condenser coil and exits the unit.

Dehumidification occurs until the set point is reached, then shuts off until periodic sampling determines a need for operation.

▶ **APPLICATION**

The Anden Model A95 Series is the perfect solution for the precise management of humidity required in an indoor growing environment.

▶ **CIRCULATION**

The Model A95 Series can also be programmed to circulate air within a grow facility. Proper air flow carries moisture away from the plants, helping to prevent fungus, disease and plant pests from damaging the crop. Circulating the air also maximizes the application of CO_2 in the grow facility.

A95

A95F

35½"
4"
27½"
4"
10"
10"
¾" PIPE, INSIDE
12½"
15" 14½"
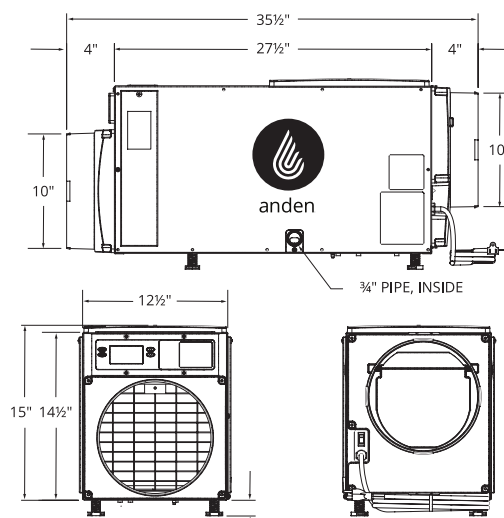
90-1971

SPECIFICATIONS

Model	A130 (ducted)	A130F (movable, with casters)
Capacity[1] (water removal)	130 ppd	
Energy factor[1] (efficiency)	2.8 L/kWh (5.9 pints/kWh)	
Voltage, Phase, Frequency	120VAC, 1 Phase, 60 Hz	
Current draw[1]	8.3 Amps	
Power (Watts)[1]	920 Watts	
Noise	50 dBA	
Dimensions: (cabinet only)[2] Width:	19½"	19½"
Height:	18¾"	18¾" cabinet 21" with casters
Length:	30¹⁄₁₆"	30¹⁄₁₆"
Weight	113 lbs.	114 lbs.
Inlet air operating conditions during:		
Dehumidification:	50°F–104°F, 40°F dew point min.	
Ventilation:	40°F–140°F, 0%–99% RH (non-condensing)	

[1]Rated capacity and energy factor test done and current draw measured in accordance with AHAM DH-1 2008 at 80°F/60% RH inlet air at 0.0 ESP. [2]Height does not include adjustable feet. The width excludes the filter doors and length excludes the duct collars.

FEATURES

Model	A130 (ducted)	A130F (movable, with casters)
Control[3]	Built-in digital control with display	
Control mounting option	Field interchangeable from top to front	Top only
Cabinet insulation	½" EPS	
Air discharge orientation	Top or end	End
Inlet/Outlet duct collars	10" dia.	N/A
Backdraft damper at outlet	Included	N/A
Filter	MERV 11 disposable	
Refrigerant	R410A	
Coil type	Corrosion resistant aluminum	
8' Power cord	Plug type	
Discharge air temperature rise	10°F–30°F	
Drain connection	¾" MNPT Threaded	
Warranty	5 Years on all parts including refrigeration system	

[3]Built-in automatic control capable to be set up for dehumidification and ventilation or zoning.

INCLUDED ITEMS

Drain fitting	¾" MPT x ¾" barbed
10 ft. Drain tubing	¾" ID
Duct collars	10" Round (A130 only)
Manual	Installation instruction

A130   A130F

▶ **PRINCIPLE OF OPERATION**

The Anden Model A130 Series Dehumidifier is designed to dehumidify the air coming into the unit by passing the incoming air over an evaporator coil to drop the air temperature below the dew point of the air. Moisture is removed from the air and drained out of the unit to a common floor or waste drain. The air is then reheated in the condenser coil and exits the unit.

Dehumidification occurs until the set point is reached, then shuts off until periodic sampling determines a need for operation.

▶ **APPLICATION**

The Anden Model A130 Series Dehumidifier is the perfect solution for the precise management of humidity required in an indoor growing environment.

▶ **CIRCULATION**

The Model A130 Series can also be programmed to circulate air within a grow facility. Proper air flow carries moisture away from the plants, helping to prevent fungus, disease and plant pests from damaging the crop. Circulating the air also maximizes the application of CO_2 in the grow facility.

90-2053

Industrial Grade Dehumidifier

Model A210V1 | Specification Sheet
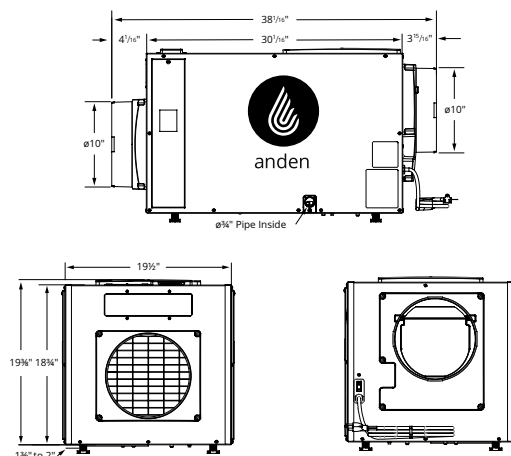
SPECIFICATIONS

Capacity[1] PPD AT 80°/60%RH	210
Energy factor[1]	3.0 L/kWh 6.3 pints/kWh
Voltage, Phase, Frequency	208–240VAC, 1 Phase, 60 Hz
Current draw (amps)[1]	7.1
Power (watts)[1]	1,450
Power cord type and length	SJT, 6-15P, 10ft
Hardwire	Field configurable
Breaker size	15 amp
CFM	525
Dimensions	Width: 19½" Height: 18¾" Length: 30⅛"
Weight	118 lbs.
Operating range Temp/RH	60/50 to 85/80

[1]Rated capacity and energy factor test done and current draw measured in accordance with AHAM DH-1 2008 at 80°F/60% RH inlet air at 0.0 ESP, 208 VAC.

FEATURES

Control	On-Board digital with diagnostics
Air supply orientation	Horizontal
Filter	14"x18"x2" MERV 11
Refrigerant	R410A
Coil type	Copper tube, Aluminum fin with i-coat
Drain connection	¾" FNPT
P-Trap required	No
Leveling feet	Included
Hanging brackets	Included
Warranty	5 Years on all parts including refrigeration system

INCLUDED ITEMS

Control	Model A77
Drain fittings	¾" MNPT x ¾" BARB
Drain tubing (length, ID)	10' – ¾" ID
Thermostat wire	30' 20 gauge 4-wire

▶ **PRINCIPLE OF OPERATION**

The Anden Model A210V1 Dehumidifier is designed to dehumidify the air coming into the unit by passing the incoming air over an evaporator coil to drop the air temperature below the dew point of the air. Moisture is removed from the air and drained out of the unit to a common floor or waste drain. The air is then reheated in the condenser coil and exits the unit.
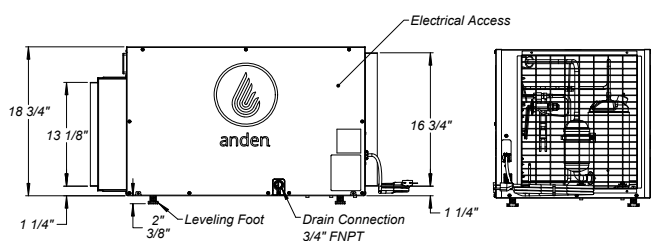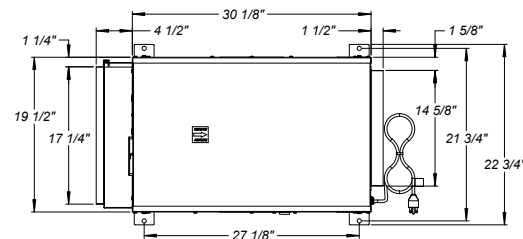
Dehumidification occurs until the set point is reached, then shuts off until the control determines a need for operation.

▶ **APPLICATION**

The Anden Model A210V1 Dehumidifier is the perfect solution for the precise management of humidity required in an indoor growing environment.

90-2430

SPECIFICATIONS

Capacity[1] PPD AT 80°/60%RH	320
Energy factor[1]	2.9 L/kWh 6.0 pints/kWh
Voltage, Phase, Frequency	208–240VAC, 1 Phase, 60 Hz
Current draw (amps)[1]	11.1
Power (watts)[1]	2,310
Power cord type and length	SJT, 6-20P, 10ft
Hardwire	Field configurable
Breaker size	20 amp
CFM	830
Dimensions	Width: 32⅝" Height: 24" Length: 24¼"
Weight	180 lbs.
Operating range Temp/RH	60/50 to 85/80

[1]Rated capacity and energy factor test done and current draw measured in accordance with AHAM DH-1 2008 at 80°F/60% RH inlet air at 0.0 ESP, 208 VAC.

FEATURES

Control	On-Board digital with diagnostics
Air supply orientation	Horizontal
Filter	20"x22"x2" MERV 11
Refrigerant	R410A
Coil type	Copper tube, Aluminum fin with ElectroFin® E-coat
Drain connection*	¾" FNPT
P-Trap required	Yes (Included)
Leveling feet	Sold separately (Model #5789)
Hanging brackets	Included
Warranty	5 Years on all parts including refrigeration system

* Requires drain trap

INCLUDED ITEMS

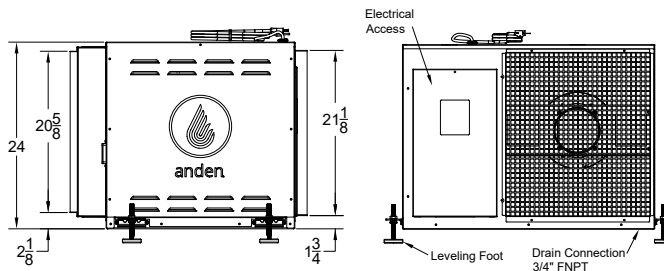|	
Control	Model A77
Drain fittings	¾" MNPT x ¾" BARB, ¾" MNPT x ¾" Female pipe, ¾" FNPT x ¾" Female pipe, ¾" P-Trap
Drain tubing (length, ID)	10' – ¾" ID
Thermostat wire	30' 20 gauge 4-wire

▶ PRINCIPLE OF OPERATION

The Anden Model A320V1 Dehumidifier is designed to dehumidify the air coming into the unit by passing the incoming air over an evaporator coil to drop the air temperature below the dew point of the air. Moisture is removed from the air and drained out of the unit to a common floor or waste drain. The air is then reheated in the condenser coil and exits the unit.

Dehumidification occurs until the set point is reached, then shuts off until the control determines a need for operation.

▶ APPLICATION

The Anden Model A320V1 Dehumidifier is the perfect solution for the precise management of humidity required in an indoor growing environment.

90-2428

anden

Industrial Grade Dehumidifier
Model A320V3 | Specification Sheet

SPECIFICATIONS

Capacity[1] PPD AT 80°/60%RH	315
Energy factor[1]	2.6 L/kWh 5.5 pints/kWh
Voltage, Phase, Frequency	277VAC, 1 Phase, 60 Hz
Current draw (amps)[1]	9.2
Power (watts)[1]	2,450
Power cord type and length	SJT, L7-20P, 10ft
Hardwire	Field configurable
Breaker size	20 amp
CFM	830
Dimensions	Width: 32⅝" Height: 24" Length: 24¼"
Weight	180 lbs.
Operating range Temp/RH	60/50 to 85/80

[1]Rated capacity and energy factor test done and current draw measured in accordance with AHAM DH-1 2008 at 80°F/60% RH inlet air at 0.0 ESP, 277VAC.

FEATURES

Control	On-Board digital with diagnostics
Air supply orientation	Horizontal
Filter	20"x22"x2" MERV 11
Refrigerant	R410A
Coil type	Copper tube, Aluminum fin with ElectroFin® E-coat
Drain connection*	¾" FNPT
P-Trap required	Yes (Included)
Leveling feet	Sold separately (Model #5789)
Hanging brackets	Included
Warranty	5 Years on all parts including refrigeration system

*Requires drain trap

INCLUDED ITEMS

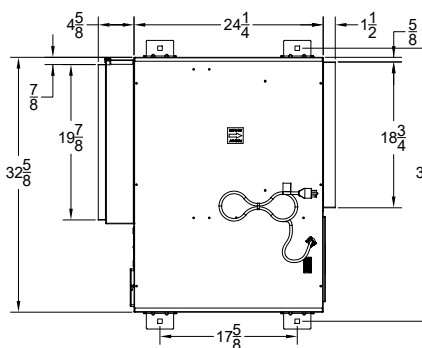|	
Control	Model A77
Drain fittings	¾" MNPT x ¾" BARB, ¾" MNPT x ¾" Female pipe, ¾" FNPT x ¾" Female pipe, ¾" P-Trap
Drain tubing (length, ID)	10' – ¾" ID
Thermostat wire	30' 20 gauge 4-wire

▶ **PRINCIPLE OF OPERATION**

The Anden Model A320V3 Dehumidifier is designed to dehumidify the air coming into the unit by passing the incoming air over an evaporator coil to drop the air temperature below the dew point of the air. Moisture is removed from the air and drained out of the unit to a common floor or waste drain. The air is then reheated in the condenser coil and exits the unit.
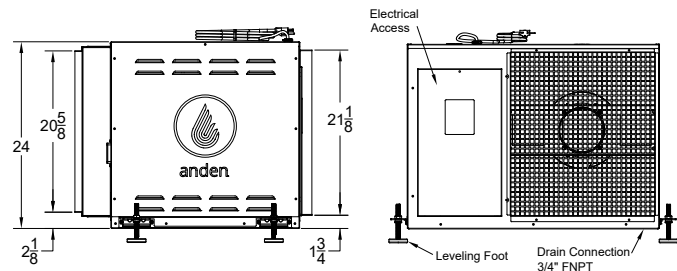
Dehumidification occurs until the set point is reached, then shuts off until the control determines a need for operation.

▶ **APPLICATION**

The Anden Model A320V3 Dehumidifier is the perfect solution for the precise management of humidity required in an indoor growing environment.

90-2428

SPECIFICATIONS

Capacity[1] **PPD AT 80°/60%RH**	710
Energy factor[1]	3.0 L/kWh 6.35 pints/kWh
Voltage, Phase, Frequency	208–240VAC, 1 Phase, 60 Hz
Current draw (amps)[1]	19.6
Power (watts)[1]	4,706
Btu/h[2]	16,168
Power cord type and length	SJT, L6-30P, 10ft
Hardwire	Field-configurable
Breaker size	30 amp
Wire size	10 Gauge Copper
CFM	0.0" w.c 1760 0.2" w.c 1677 0.4" w.c 1593 0.6" w.c 1510
Dimensions:	W: 44 $^7/_8$" H: 34 $^{13}/_{32}$" L: 31$^{23}/_{32}$"
Weight	360 lbs.
Operating range Temp/RH	60/40 to 85/80

[1]Rated capacity and energy factor test done and current draw measured at 80°F/60% RH inlet air at 0.0 ESP, 240 VAC.
[2]Total cooling load @ 80°F/60% RH and 240 VAC.

FEATURES

Control	Onboard digital with diagnostics
Air supply orientation	Horizontal
Filter	29.5"x31.5"x1.75" MERV 11 (Part #5825)
Refrigerant	R410A
Coil type	Copper tube, Aluminum fin with I-coat
Drain connection*	¾" FNPT
P-Trap required	Yes (Included)
Leveling feet	Sold separately (Model #5789)
Hanging brackets	Built-in
Duct Kit	Part # 5859
Warranty	5 Years on all parts including refrigeration system

* Requires drain trap

INCLUDED ITEMS

Control	Model A77
Drain fittings	¾" MNPT x ¾" BARB, ¾" MNPT x ¾" Female pipe, ¾" x ¾" x ¾" T-Fittting, ¾" P-Trap
Thermostat wire	30' 20 gauge 4-wire

▶ **ANDEN A710**

The A710 features VLGR technology, which modulates the refrigeration system based on the load, allowing you to **maximize VPD** and provide greater control during late flower conditions.

▶ **APPLICATION**

The Anden Model A710V1 Dehumidifier is the perfect solution for the precise management of humidity required in an indoor growing environment.

--- **INCLUDED CONTROL** ---

MODEL A77

Dedicated monitoring and control of each dehumidifier at canopy height

MODEL A77 SPECIFICATIONS

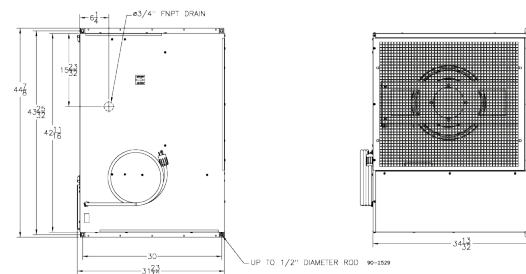|	
Electrical	
Input voltage and current	Voltage: 35VDC (supplied by dehumidifier control board)
Output	Communication (RS485)
Control	
Control range	35%–80% RH
Accuracy	+/-5% RH
Differential	3% RH
Low limit	40°F dew point
High limit	99°F dry bulb

anden

Grow Optimized Dehumidifier
Model A710V1 | Specification Sheet

SPECIFICATIONS

Capacity[1] PPD AT 80°/60%RH	710
Energy factor[1]	3.0 L/kWh 6.35 pints/kWh
Voltage, Phase, Frequency	208–240VAC, 1 Phase, 60 Hz
Current draw (amps)[1]	19.6
Power (watts)[1]	4,706
Btu/h[2]	16,168
Power cord type and length	SJT, L6-30P, 10ft
Hardwire	Field-configurable
Breaker size	30 amp
Wire size	10 Gauge Copper
CFM	0.0" w.c 1760 0.2" w.c 1677 0.4" w.c 1593 0.6" w.c 1510
Dimensions:	W: 44 $\frac{7}{8}$" H: 34 $\frac{13}{32}$" L: 31 $\frac{23}{32}$"
Weight	360 lbs.
Operating range Temp/RH	60/40 to 85/80

[1]Rated capacity and energy factor test done and current draw measured at 80°F/60% RH inlet air at 0.0 ESP, 240 VAC.
[2]Total cooling load @ 80°F/60% RH and 240 VAC.

FEATURES

Control	Onboard digital with diagnostics
Air supply orientation	Horizontal
Filter	29.5"x31.5"x1.75" MERV 11 (Part #5825)
Refrigerant	R410A
Coil type	Copper tube, Aluminum fin with I-coat
Drain connection*	¾" FNPT
P-Trap required	Yes (Included)
Leveling feet	Sold separately (Model #5789)
Hanging brackets	Built-in
Duct Kit	Part # 5859
Warranty	5 Years on all parts including refrigeration system

*Requires drain trap

INCLUDED ITEMS

Control	Model A77
Drain fittings	¾" MNPT x ¾" BARB, ¾" MNPT x ¾" Female pipe, ¾" x ¾" x ¾" T-Fittting, ¾" P-Trap
Thermostat wire	30' 20 gauge 4-wire

ANDEN A710

The A710 features VLGR technology, which modulates the refrigeration system based on the load, allowing you to **maximize VPD** and provide greater control during late flower conditions.

APPLICATION

The Anden Model A710V1 Dehumidifier is the perfect solution for the precise management of humidity required in an indoor growing environment.

INCLUDED CONTROL

MODEL A77

Dedicated monitoring and control of each dehumidifier at canopy height

MODEL A77 SPECIFICATIONS	
Electrical	
Input voltage and current	Voltage: 35VDC (supplied by dehumidifier control board)
Output	Communication (RS485)
Control	
Control range	35%–80% RH
Accuracy	+/-5% RH
Differential	3% RH
Low limit	40°F dew point
High limit	99°F dry bulb