

Catalog

Instagram: [instagram.com/leizigclimate](https://www.instagram.com/leizigclimate)

LinkedIn: [linkedin.com/company/leizig-climate](https://www.linkedin.com/company/leizig-climate)



Thermal Management
Technology

LEI ZIG



2115 S. Grand Ave. Santa Ana, CA | Tel: 714-543-5645 | www.leizigclimate.com | info@leizig.com



Ventilation | Climate Control Units



Dehumidifier | Heat Exchanger



ABOUT US

LEIZIG is a technology innovator and industry leader committed to building a more sustainable, green future in the fields of thermal management and thermoelectricity. By combining engineering expertise with digital technologies, we enhance manufacturing, streamline digitalization, and improve operational efficiency - delivering highly customized solutions tailored to our clients' needs.

With over 30 years of experience, LEIZIG's engineers remain focused on customer-driven innovation, striving to create harmony between people, technology, and the environment.

Our Story

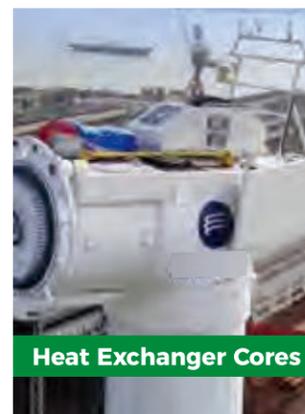
Founded in Australia in 1990, LEIZIG has been driven by engineering ingenuity and innovation from the very beginning. In 2003, we launched our first ultra-thin cabinet environmental control unit. Over six generations of product upgrades; featuring designs with no condensation, no solder points, and screwless installation. We've tailored our solutions to meet the specific needs of industries such as automotive, beverage, and power. These advancements earned us widespread industry recognition for their reliability and performance.

We pioneered several groundbreaking technologies, including the compressor-based, air-cooled explosion-proof cabinet refrigeration unit; an efficient air-to-air heat exchanger coated in epoxy resin; top-mounted fans with integrated lighting; and semiconductor dehumidifier systems that opened up entirely new industrial applications.

Our continued focus on innovation has kept us at the forefront of the industry. We've developed proprietary semiconductor thermoelectric materials, achieved advanced heat recovery, and taken meaningful steps toward a more sustainable and eco-friendly future.

We are proud to serve leading organizations in the field of industrial electronics, particularly those committed to environmental responsibility, innovation, and long-term reliability; including 23 of the world's top 500 companies.

PRODUCT CATEGORIES



Heat Exchanger Cores

LeizigHEX is committed to the research and development of energy-efficient and environmentally friendly heat exchanger (HEX) cores, including cross-flow and counterflow types. Our high-performance products are designed for use across industrial, commercial, and new energy sectors, maximizing heat utilization and promoting sustainability.



Environmental Cabinet Control

LeizigETM specializes in enclosure climate control solutions for industrial environments, focusing on ventilation, refrigeration, dehumidification, heating, lighting, and cabinet environment monitoring systems. We have become a leading manufacturer in the field of environmental control cabinets, delivering reliable and intelligent solutions.



Micro Controllers

LeizigTE leads in low-temperature technology and focuses on high-efficiency heat transfer in sub-zero environments. Our R&D efforts are centered on applying advanced thermal management in low-temperature fields, supporting innovations across a range of industries.



Dehumidification

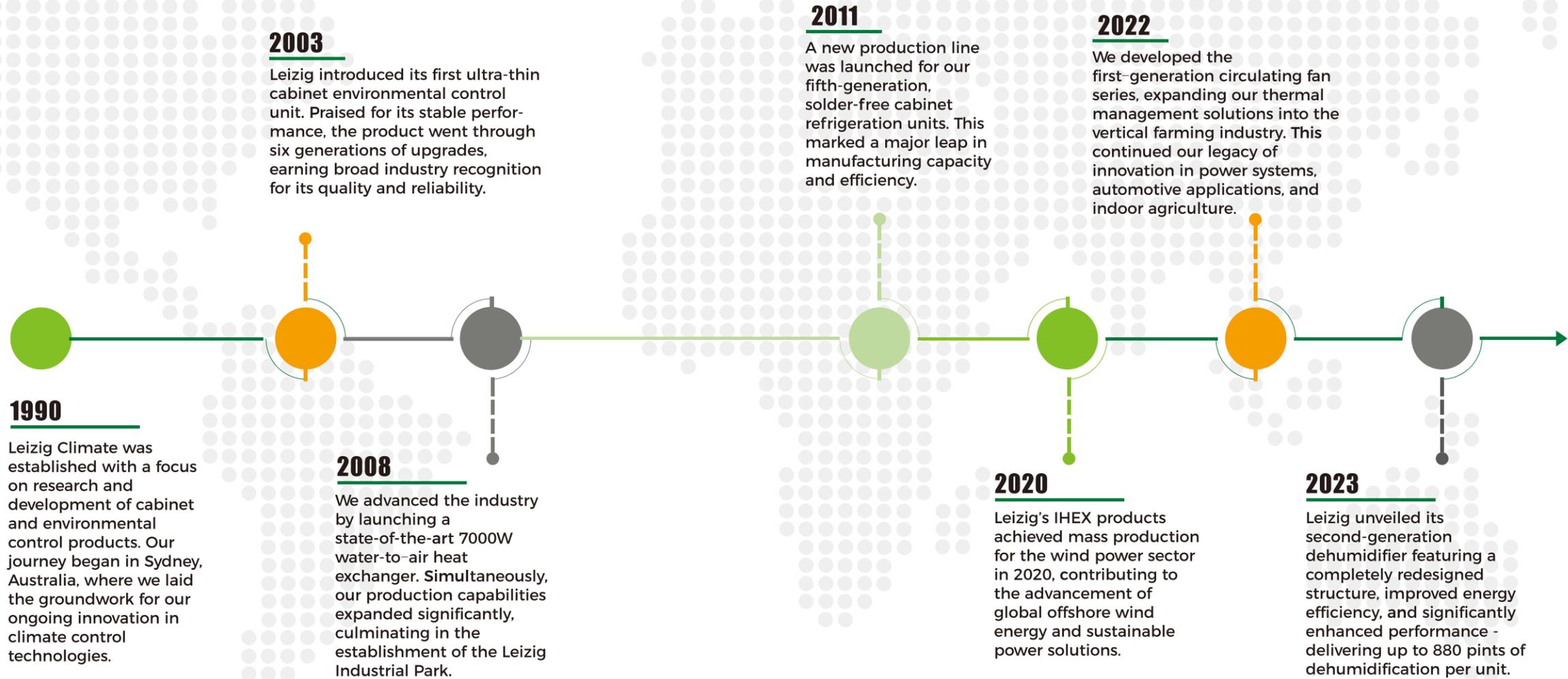
LeizigLG provides humidity control solutions tailored for vertical farming, where enclosed or semi-enclosed environments often lead to high humidity levels that can cause disease and root rot in plants. Our dehumidifiers effectively regulate humidity to create optimal growing conditions and support healthy plant development.



DEVELOPMENT

Leizig Climate has been committed to continuously innovating its climate control solutions for the past 30 years. We believe in the value of bringing significant improvements in efficiency, long lasting product performance, and sustainability. Leizig has been a leader in the manufacturing of industrial thermal management products since it started in Sydney, Australia. We pride ourselves in specializing in ventilation, dehumidification, cooling, heat exchange, and environmental monitoring systems.

Efficiency is a critical factor for Leizig's industrial customers, and something we focus on optimizing in every product. As a company we strive to maintain a business that encourages sustainable development. Some of our most loyal customers over the years include the industries of greenhouse farming, food & beverage, and battery energy storage systems.



Intelligent dehumidification,
unlimited comfortable



Dehumidifier

A dehumidifier works by condensing moisture from the air when it comes into contact with a cold surface. As a fan circulates air through the unit, it passes over the cold end of the dehumidifier, causing moisture to condense and collect, effectively reducing the air's absolute humidity.

Additionally, a dehumidifier can lower relative humidity by warming the air after moisture removal, increasing its capacity to hold water vapor and improving overall environmental comfort.



Enhance Your Growth with LEIZIG Dehumidifiers

Unrivalled Moisture Control for Optimal Yields

Why Choose LEIZIG?

- Wide range of moisture removal capacities
- Achieve and maintain optimal humidity levels
- Advanced air filtration ensures cleaner, fresher air

Your Perfect Match

- Models ranging from 70 to 880 pints per day
- Designed for grow spaces of all sizes
- Custom-tailored solutions to meet your specific needs

Boost Your Yields with Precise Humidity Control

- Promote a healthier growing environment
- Support continuous airflow and ventilation
- Protect crops from mold, mildew, and pests

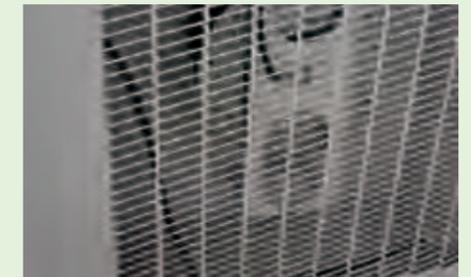
Excellent Corrosion Resistance

- Specially treated surface coatings protect against corrosive substances
- Extends product lifespan in demanding environments



High-Quality Materials

- Constructed with galvanized steel for superior durability
- Highly resistant to wear and suitable for harsh conditions



Stable & Quiet Operation

- Thoughtful structural design minimizes vibration and noise
- Enhances overall equipment safety, stability, and performance



Anticorrosion coating

User-Friendly Maintenance

- Easy access for cleaning and filter replacement
- Lowers maintenance costs and supports long-term reliability



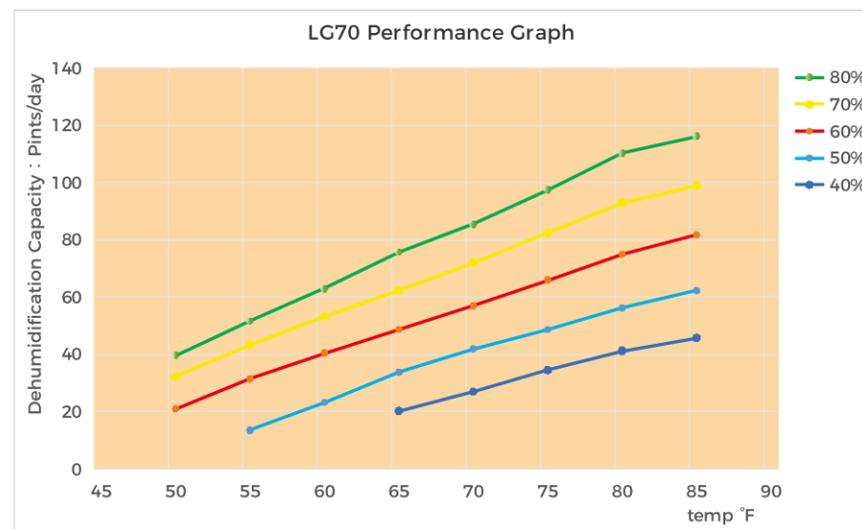
Dehumidifier

LG 70

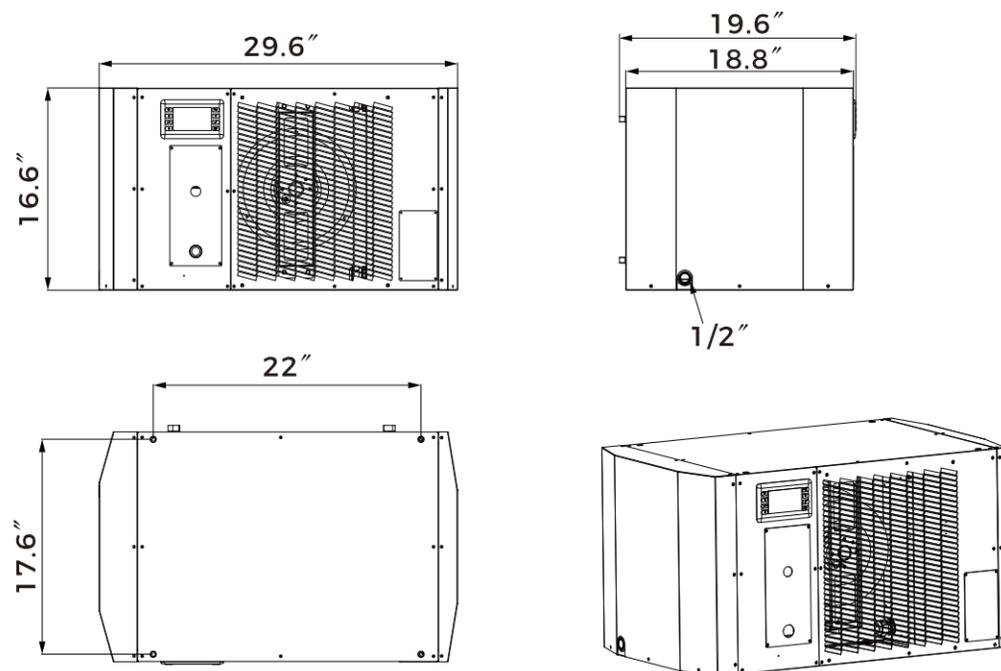
Performance Curve Chart

Dehumidification Capacity : Pints/day

RH Cap(Pt/D) °F	RH								
	80%	75%	70%	65%	60%	55%	50%	45%	40%
50	40	36	32	27	21				
55	52	47	44	37	32	21	14		
60	63	59	53	47	41	30	23		
65	76	69	62	56	49	41	34	26	20
70	86	80	72	65	57	50	42	34	27
75	98	91	83	74	66	58	49	40	35
80	110	102	93	84	75	66	56	47	41
85	116	108	99	90	82	71	62	51	46



LG 70 Exterior Dimensions



FEATURES:

- Compact yet powerful, the LEIZIG dehumidifier offers a versatile dehumidification range from 70-880pints/day.
- Boasting a high-efficiency filtration system, it ensures your plants are safeguarded from detrimental microbes.
- Experience industry-leading minimal noise operation.
- This dehumidifier is equipped with a remote dry contact input and an RS485, communication interface supporting the standard MODBUS protocol. It can seamlessly integrate with various humidity controllers and control systems.
- Choose from a variety of installation options including hoisting, ceiling, wall, and floor cabinets – there's a fit for every preference.



Model No.	LG 70
Factory ID No.	31000009
Dimensions(W*H*D)	29.6" * 16.6" * 19.6"
Package Dimensions(W*H*D)	34 " * 22.8" * 23.2"

Technical Parameters	LG 70
Capacity	75 Pints/Day
Efficiency	6.9Pints/kWh
Refrigerant	R32
Operating Temp	41-95°F
Drain Connection	1/2" Threaded NPT
Air Filter	MERV-11/13; 17.6" * 12.6"
Blower (Tested with duct collars on)	245 CFM @ 0.0" WG
Heat Load (BTU/H)	2150
Energy Factor	3.28 L/kWh

Electrical Parameters	LG 70
Supply Voltage	110-120VAC / 1PH / 60Hz
Power	450W
Current Draw	3.9@120V

Attachment Parameters	LG 70
Weight	98 lb
Weight (w/ Packaging)	137 lb
Maximum Noise	67dB(A)
Installation Method	Ceiling-suspended or Bottom fixed
Component Material	Galvanized Steel/Powder Electroplated Paint (stainless steel housing optional)
Safety Parameters	In Accordance with DIN 31001
Protection Level	IP23
Surface Color	RAL7035 (light grey) +RAL 1033 (Orange), other colors on request
Certification	CE/ETL

Accessories

Type	ID NO.	Description
IDK2	31800028	Intake Duct kit
EDK2	31800029	Exhaust Duct kit
FT211	31800037	Superior Filtration(MERV11)
FT213	31800033	Superior Filtration(MERV13)

Dehumidifier

LG 100

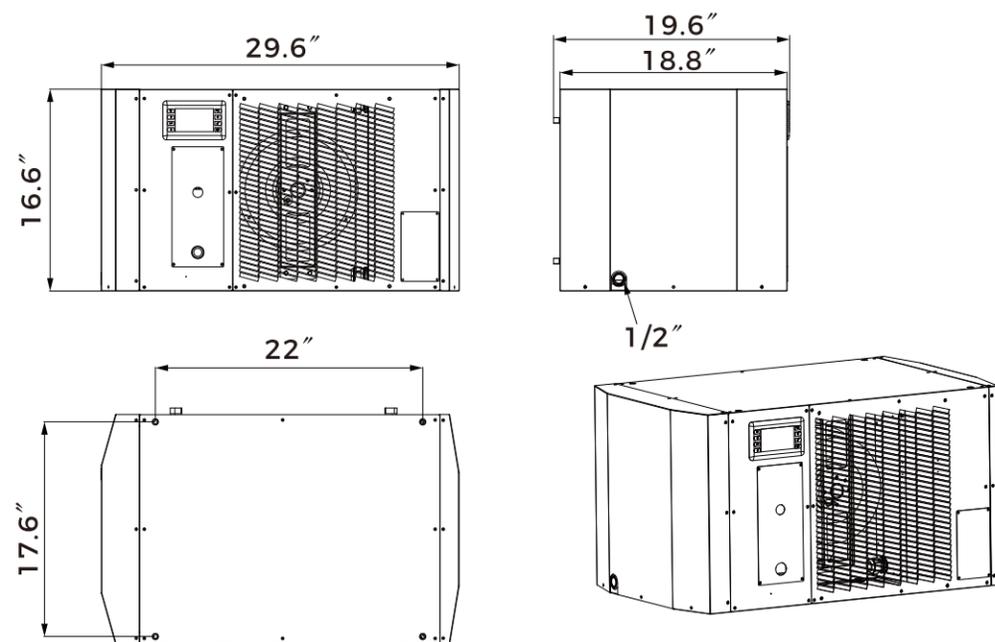
Performance Curve Chart

Dehumidification Capacity : Pints/day

RH °F Cap(Pt/D)	RH								
	80%	75%	70%	65%	60%	55%	50%	45%	40%
50	56	50	42	38	29				
55	72	66	61	51	44	29	21		
60	88	82	75	65	57	42	37		
65	106	97	90	78	68	58	47	37	28
70	125	111	101	90	80	69	55	47	38
75	137	127	116	104	92	81	68	56	48
80	154	143	130	118	105	92	79	65	58
85	163	151	139	126	114	100	87	71	64



LG 100 Exterior Dimensions



FEATURES:

- Compact yet powerful, the LEIZIG dehumidifier offers a versatile dehumidification range from 70-880pints/day.
- Boasting a high-efficiency filtration system, it ensures your plants are safeguarded from detrimental microbes.
- Experience industry-leading minimal noise operation.
- This dehumidifier is equipped with a remote dry contact input and an RS485, communication interface supporting the standard MODBUS protocol. It can seamlessly integrate with various humidity controllers and control systems.
- Choose from a variety of installation options including hoisting, ceiling, wall, and floor cabinets – there's a fit for every preference.



Model No.	LG 100
Factory ID No.	31000017
Dimensions(W*H*D)	29.6" * 16.6" * 19.6"
Package Dimensions(W*H*D)	34" * 22.8" * 23.2"

Technical Parameters	LG 100
Capacity	105Pints/Day
Efficiency	6.85Pints/kWh
Refrigerant	R32
Operating Temp	41-95°F
Drain Connection	1/2" Threaded NPT
Air Filter	MERV-11/13; 17.6" * 12.6"
Blower (Tested with duct collars on)	352 CFM @ 0.0" WG
Heat Load (BTU/H)	2700
Energy Factor	3.24 L/kWh

Electrical Parameters	LG 100
Supply Voltage	110-120VAC / 1PH / 60Hz
Power	638 W
Current Draw	5.6@120V

Attachment Parameters	LG 100
Weight	113 lb
Weight (w/ Packaging)	150 lb
Maximum Noise	67dB(A)
Installation Method	Ceiling-suspended or Bottom fixed
Component Material	Galvanized Steel/Powder Electroplated Paint (stainless steel housing optional)
Safety Parameters	In Accordance with DIN 31001
Protection Level	IP23
Surface Color	RAL7035 (light grey) +RAL 1033 (Orange), other colors on request
Certification	CE/ETL

Accessories

Type	ID NO.	Description
IDK2	31800028	Intake Duct kit
EDK2	31800029	Exhaust Duct kit
FT211	31800037	Superior Filtration(MERV11)
FT213	31800033	Superior Filtration(MERV13)

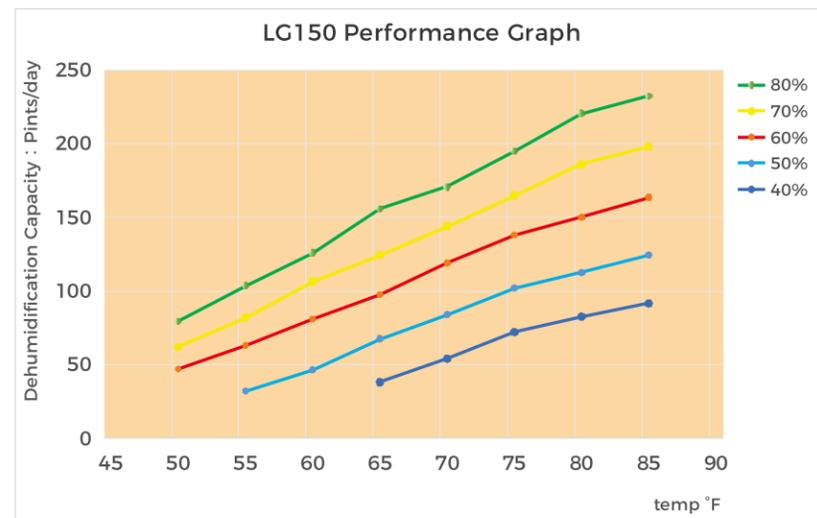
Dehumidifier

LG 150

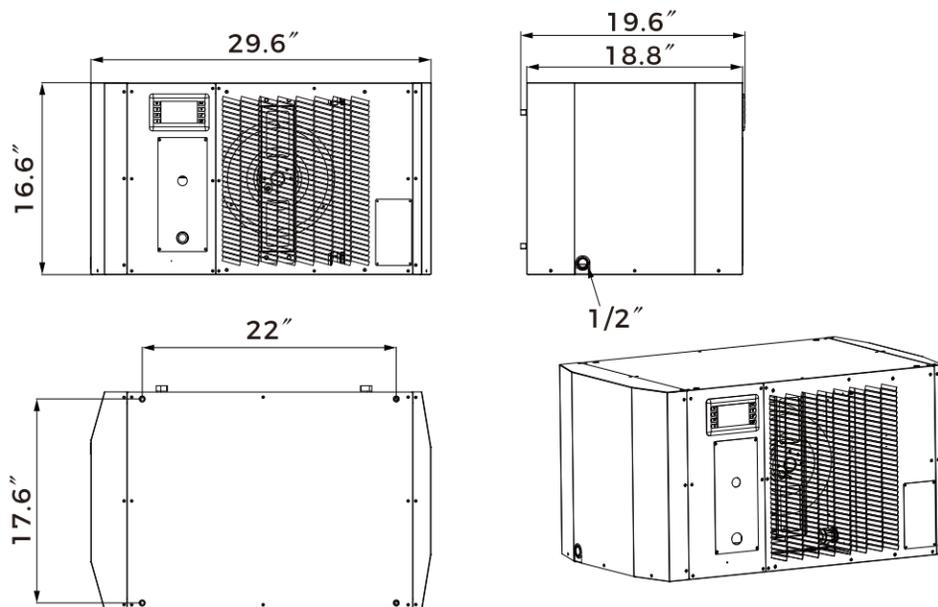
Performance Curve Chart

Dehumidification Capacity : Pints/day

RH Cap(Pt/D) °F	RH								
	80%	75%	70%	65%	60%	55%	50%	45%	40%
50	80	72	62	54	47				
55	104	95	82	74	63	42	32		
60	126	117	107	93	81	60	47		
65	156	138	125	111	98	83	68	53	38
70	171	159	144	129	119	99	84	68	54
75	195	182	165	149	138	116	102	80	72
80	221	204	186	168	150	132	113	93	83
85	233	216	198	180	164	143	125	102	92



LG 150 Exterior Dimensions



FEATURES:

- Compact yet powerful, the LEIZIG dehumidifier offers a versatile dehumidification range from 70-880pints/day.
- Boasting a high-efficiency filtration system, it ensures your plants are safeguarded from detrimental microbes.
- Experience industry-leading minimal noise operation.
- This dehumidifier is equipped with a remote dry contact input and an RS485, communication interface supporting the standard MODBUS protocol. It can seamlessly integrate with various humidity controllers and control systems.
- Choose from a variety of installation options including hoisting, ceiling, wall, and floor cabinets – there's a fit for every preference.

Model No.	LG 150
Factory ID No.	31000018
Dimensions(W*H*D)	29.6" * 16.6" * 19.6"
Package Dimensions(W*H*D)	34" * 22.8" * 23.2"

Technical Parameters	LG 150
Capacity	150Pints/Day
Efficiency	6.8Pints/kWh
Refrigerant	R32
Operating Temp	41-95°F
Drain Connection	1/2" Threaded NPT
Air Filter	MERV-11/13; 17.6" * 12.6"
Blower (Tested with duct collars on)	400CFM @ 0.0" WG
Heat Load (BTU/H)	4080
Energy Factor	3.21 L/kWh

Electrical Parameters	LG 150
Supply Voltage	110-120VAC / 1PH / 60Hz
Power	920W
Current Draw	8.1@120V

Attachment Parameters	LG 150
Weight	120 lb
Weight (w/ Packaging)	160 lb
Maximum Noise	68dB(A)
Installation Method	Ceiling-suspended or Bottom fixed
Component Material	Galvanized Steel/Powder Electroplated Paint (stainless steel housing optional)
Safety Parameters	In Accordance with DIN 31001
Protection Level	IP23
Surface Color	RAL7035 (light grey) +RAL 1033 (Orange), other colors on request
Certification	CE/ETL

Accessories

Type	ID NO.	Description
IDK2	31800028	Intake Duct kit
EDK2	31800029	Exhaust Duct kit
FT211	31800037	Superior Filtration(MERV11)
FT213	31800033	Superior Filtration(MERV13)

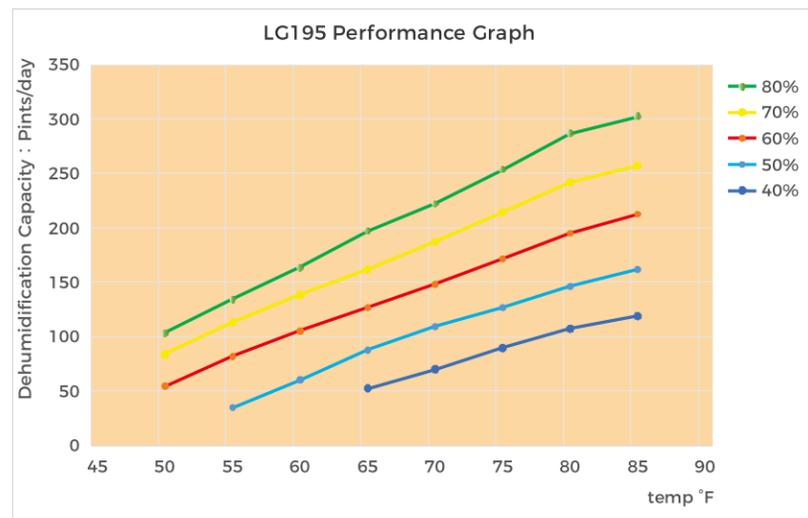
Dehumidifier

LG 195

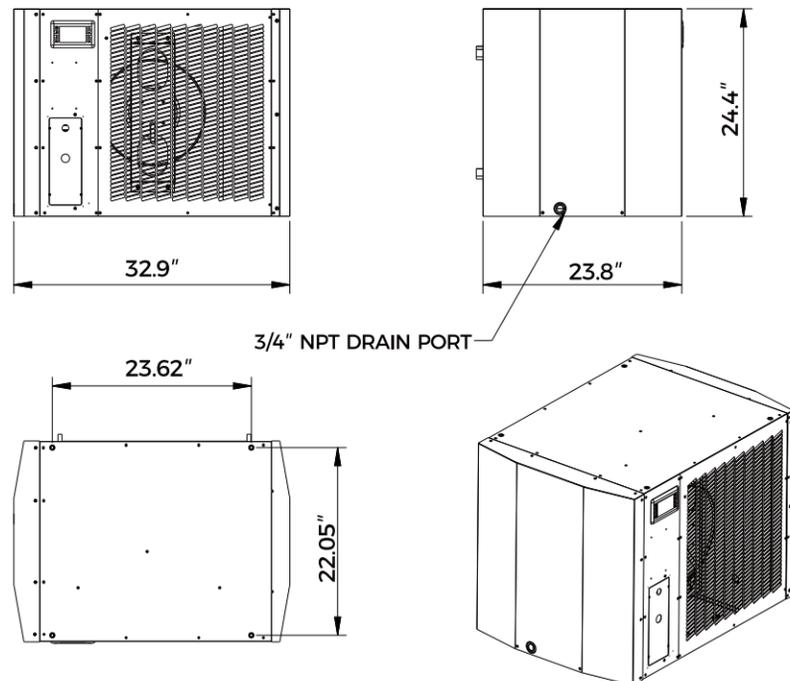
Performance Curve Chart

Dehumidification Capacity : Pints/day

RH Cap(Pt/D) °F	RH								
	80%	75%	70%	65%	60%	55%	50%	45%	40%
50	103	94	84	70	55				
55	135	123	113	96	82	55	35		
60	164	152	138	121	105	78	60		
65	197	179	162	144	127	107	88	68	53
70	222	207	187	168	148	129	109	88	70
75	254	236	215	193	172	150	127	103	90
80	287	265	242	218	195	172	146	121	107
85	302	281	257	234	213	185	162	133	119



LG 195 Exterior Dimensions



FEATURES:

- Compact yet powerful, the LEIZIG dehumidifier offers a versatile dehumidification range from 70-880pints/day.
- Boasting a high-efficiency filtration system, it ensures your plants are safeguarded from detrimental microbes.
- Experience industry-leading minimal noise operation.
- This dehumidifier is equipped with a remote dry contact input and an RS485, communication interface supporting the standard MODBUS protocol. It can seamlessly integrate with various humidity controllers and control systems.
- Choose from a variety of installation options including hoisting, ceiling, wall, and floor cabinets – there's a fit for every preference.

Model No.	LG 195
Factory ID No.	31000020
Dimensions(W*H*D)	32.9" * 24.4" * 23.8"
Package Dimensions(W*H*D)	38" * 33" * 30"
Technical Parameters	LG 195
Capacity	195Pints/Day
Efficiency	7.0Pints/kWh
Refrigerant	R32
Operating Temp	41-95°F
Drain Connection	3/4" Threaded NPT
Air Filter	MERV-11/13; 21.8" * 21.8"
Blower (Tested with duct collars on)	600 CFM @ 0.0" WG
Heat Load (BTU/H)	5150
Energy Factor	3.31 L/kWh
Electrical Parameters	LG 195
Supply Voltage	110-240VAC/1PH/50&60Hz
Power	1160W
Current Draw	10.2@120V / 5.1@240V
Attachment Parameters	LG 195
Weight	176lb
Weight (w/ Packaging)	260 lb
Maximum Noise	68dB(A)
Installation Method	Ceiling-suspended or Bottom fixed
Component Material	Galvanized Steel/Powder Electroplated Paint (stainless steel housing optional)
Safety Parameters	In Accordance with DIN 31001
Protection Level	IP23
Surface Color	RAL7035 (light grey) +RAL 1033 (Orange), other colors on request
Certification	CE/ETL

Accessories

Type	ID NO.	Description
IDK3	31800018	Intake Duct kit
EDK3	31800019	Exhaust Duct kit
FT311	31800043	Superior Filtration(MERV11)
FT313	31800034	Superior Filtration(MERV13)

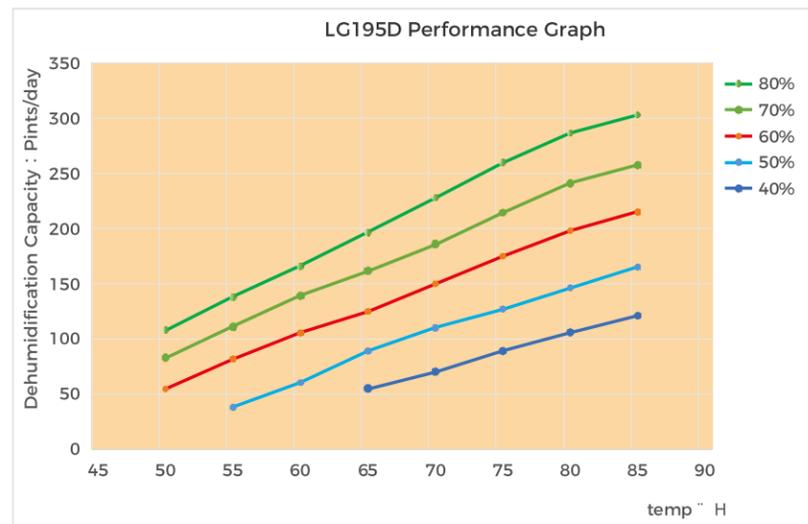
Dehumidifier

LG 195D

Performance Curve Chart

Dehumidification Capacity : Pints/day

RH Cap(Pt/D) °F	RH								
	80%	75%	70%	65%	60%	55%	50%	45%	40%
50	108	94	83	70	55				
55	138	123	111	96	82	55	38		
60	166	155	139	121	105	78	60		
65	197	179	162	144	125	107	89	68	53
70	228	205	186	168	150	129	110	88	70
75	260	236	215	193	175	150	127	103	90
80	287	265	241	218	198	172	146	121	107
85	303	281	257	234	215	185	165	133	119



FEATURES:

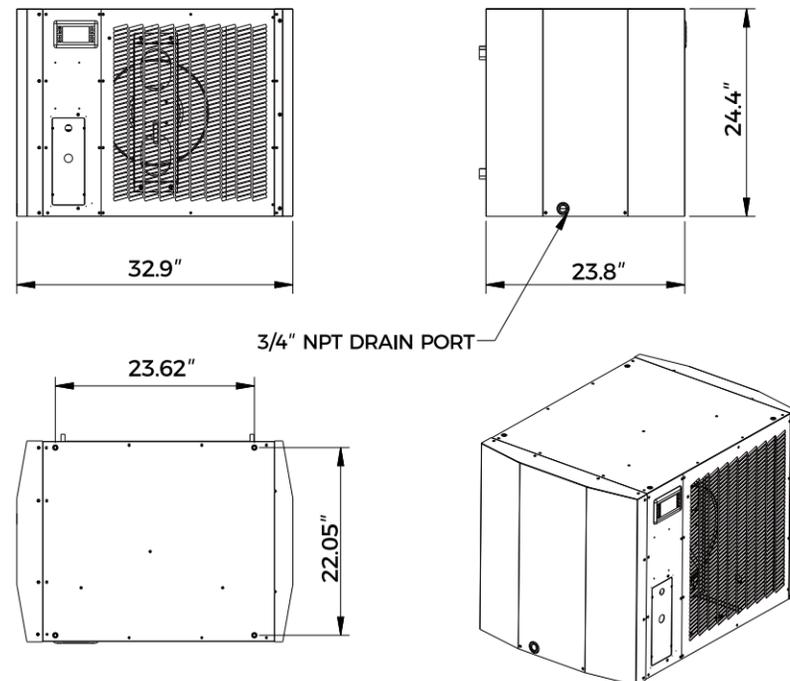
- Compact yet powerful, the LEIZIG dehumidifier offers a versatile dehumidification range from 70-880pints/day.
- Boasting a high-efficiency filtration system, it ensures your plants are safeguarded from detrimental microbes.
- Experience industry-leading minimal noise operation.
- This dehumidifier is equipped with a remote dry contact input and an RS485, communication interface supporting the standard MODBUS protocol. It can seamlessly integrate with various humidity controllers and control systems.
- Choose from a variety of installation options including hoisting, ceiling, wall, and floor cabinets – there's a fit for every preference.

Model No.	LG 195D
Factory ID No.	31000021
Dimensions(W*H*D)	32.9" * 24.4" * 23.8"
Package Dimensions(W*H*D)	38" * 33" * 30"
Technical Parameters	LG 195D
Capacity	198 Pints/Day
Efficiency	6.89 Pints/kWh
Refrigerant	R32
Operating Temp	41-95°F
Drain Connection	3/4" Threaded NPT
Air Filter	MERV-11/13; 21.8" * 21.8"
Blower (Tested with duct collars on)	600 CFM @ 0.0" WG
Heat Load (BTU/H)	5150
Energy Factor	3.26 L/kWh
Electrical Parameters	LG 195D
Supply Voltage	208-277VAC/1N/50&60Hz
Power	1180W
Current Draw	5.0 @ 240V / 4.5 @ 277V
Attachment Parameters	LG 195D
Weight	176lb
Weight (w/ Packaging)	260 lb
Maximum Noise	70dB(A)
Installation Method	Ceiling-suspended or Bottom fixed
Component Material	Galvanized Steel/Powder Electroplated Paint (stainless steel housing optional)
Safety Parameters	In Accordance with DIN 31001
Protection Level	IP23
Surface Color	RAL7035 (light grey) +RAL 1033 (Orange), other colors on request
Certification	CE/ETL

Accessories

Type	ID NO.	Description
IDK3	31800018	Intake Duct kit
EDK3	31800019	Exhaust Duct kit
FT311	31800043	Superior Filtration(MERV11)
FT313	31800034	Superior Filtration(MERV13)

LG 195D Exterior Dimensions



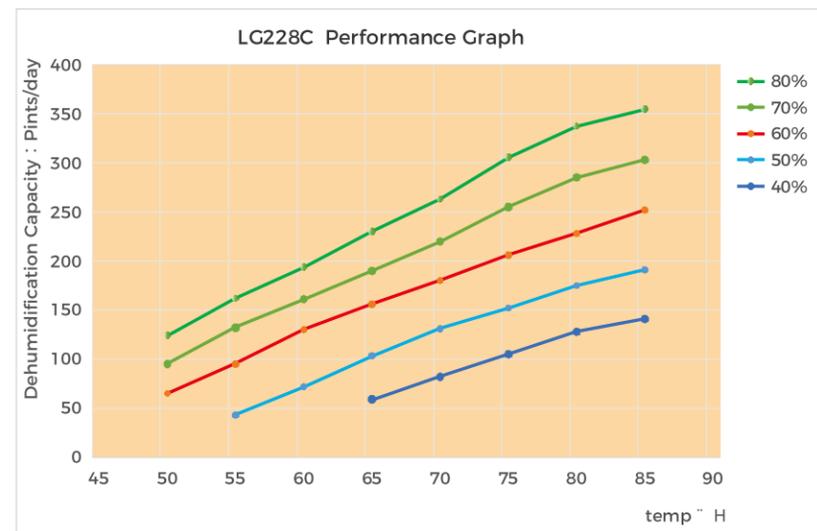
Dehumidifier

LG 228C

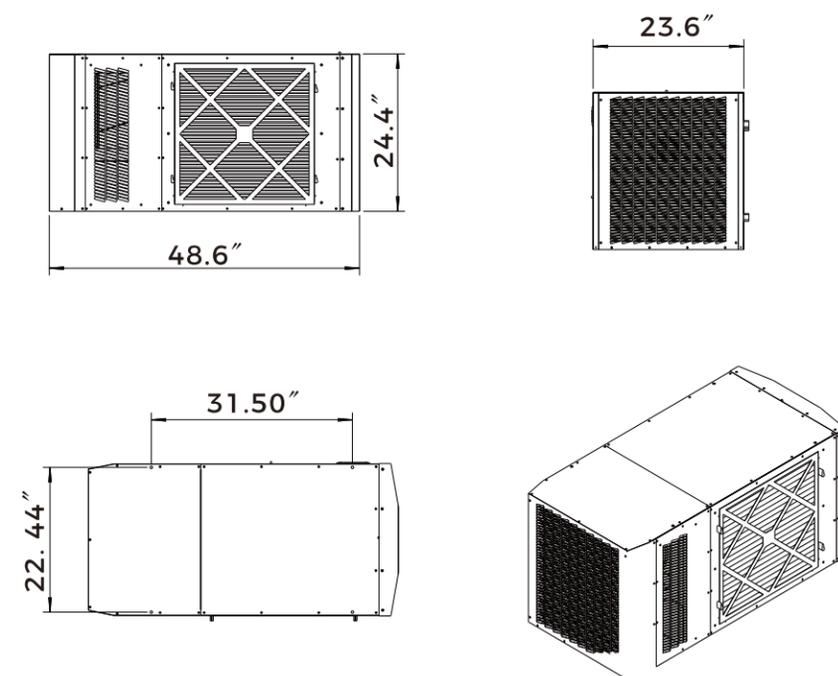
Performance Curve Chart

Dehumidification Capacity : Pints/day

RH Cap(Pt/D) °F	80%	75%	70%	65%	60%	55%	50%	45%	40%
50	124	105	95	83	65				
55	162	146	132	115	95	64	43		
60	194	179	161	143	130	93	72		
65	230	214	190	172	156	128	104	91	59
70	263	244	220	198	180	151	131	105	82
75	306	279	255	229	206	177	152	121	105
80	337	313	285	257	228	203	175	144	128
85	355	333	303	278	252	222	191	157	141



LG 228C Exterior Dimensions



FEATURES:

- Compact yet powerful, the LEIZIG dehumidifier offers a versatile dehumidification range from 70-88pints/day.
- Boasting a high-efficiency filtration system, it ensures your plants are safeguarded from detrimental microbes.
- Experience industry-leading minimal noise operation.
- This dehumidifier is equipped with a remote dry contact input and an RS485, communication interface supporting the standard MODBUS protocol. It can seamlessly integrate with various humidity controllers and control systems.
- Choose from a variety of installation options including hoisting, ceiling, wall, and floor cabinets – there's a fit for every preference.
- Engineered for true dual-function performance, the LG228C gives you complete command over both humidity and temperature. The 'C' in the model name stands for 'Climate Control,' reflecting its ability to deliver powerful dehumidification while simultaneously heating or cooling the room to your exact preference.

Model No.	LG 228C
Factory ID No.	31000060
Dimensions(W*H*D)	48.6" * 24.4" * 23.6"
Package Dimensions(W*H*D)	54" * 34" * 30"

Technical Parameters	LG 228C
Capacity	228 Pints/Day
Efficiency	6.39Pints/kWh
Refrigerant	R32
Operating Temp	41-95°F
Drain Connection	3/4" Threaded NPT
Air Filter	MERV-11/13; 21.8" * 21.8"
Blower (Tested with duct collars on)	850CFM @ 0.0" WG
Heat Load (BTU/H)	6350
Energy Factor	3.02 L/kWh
Cooling capacity(BTU/H)	16550

Electrical Parameters	LG 228C
Supply Voltage	208-230VAC/1PH/50&60Hz
Power	1500W
Current Draw	7.2A@230V

Attachment Parameters	LG 228C
Weight	335 lb
Weight (w/ Packaging)	420 lb
Maximum Noise	72dB(A)
Installation Method	Ceiling-suspended or Bottom fixed
Component Material	Galvanized Steel/Powder Electroplated Paint (stainless steel housing optional)
Safety Parameters	In Accordance with DIN 31001
Protection Level	IP23
Surface Color	RAL7035 (light grey) +RAL 1033 (Orange), other colors on request
Certification	CE/ETL

Accessories

Type	ID NO.	Description
IDK3	31800018	Intake Duct kit
EDK3	31800019	Exhaust Duct kit
FT311	31800043	Superior Filtration(MERV11)
FT313	31800034	Superior Filtration(MERV13)

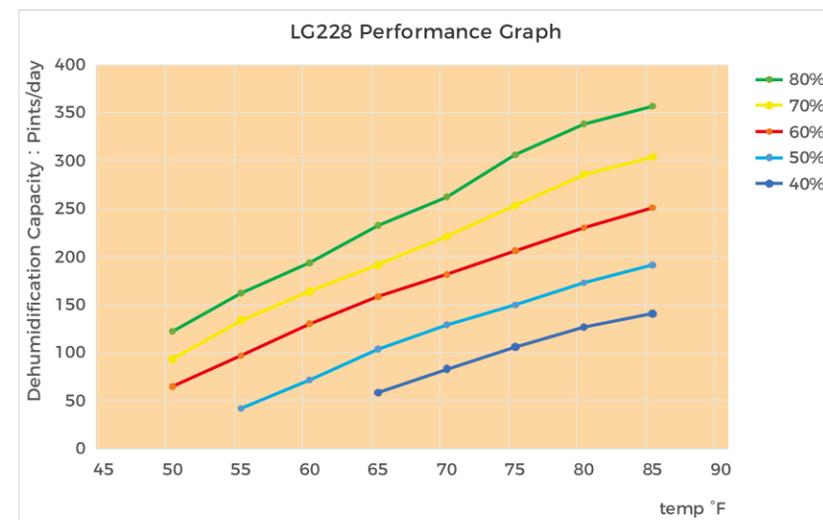
Dehumidifier

LG 228

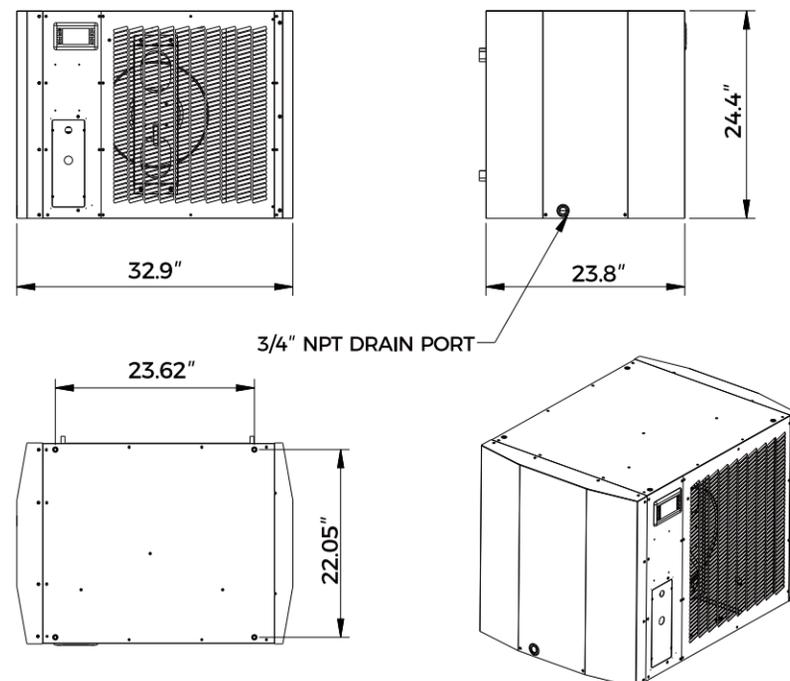
Performance Curve Chart

Dehumidification Capacity : Pints/day

RH °F Cap(Pt/D)	RH								
	80%	75%	70%	65%	60%	55%	50%	45%	40%
50	122	105	93	83	64				
55	162	145	133	113	97	64	41		
60	193	179	163	143	130	92	71		
65	232	212	191	170	158	127	104	81	58
70	262	244	221	198	181	152	129	104	83
75	306	278	253	228	206	177	150	122	106
80	338	313	285	258	230	202	173	143	127
85	357	331	304	276	251	219	191	156	140



LG 228 Exterior Dimensions



FEATURES:

- Compact yet powerful, the LEIZIG dehumidifier offers a versatile dehumidification range from 70-880pints/day.
- Boasting a high-efficiency filtration system, it ensures your plants are safeguarded from detrimental microbes.
- Experience industry-leading minimal noise operation.
- This dehumidifier is equipped with a remote dry contact input and an RS485, communication interface supporting the standard MODBUS protocol. It can seamlessly integrate with various humidity controllers and control systems.
- Choose from a variety of installation options including hoisting, ceiling, wall, and floor cabinets – there's a fit for every preference.

Model No.	LG 228
Factory ID No.	31000024
Dimensions(W*H*D)	32.9" * 24.4" * 23.8"
Package Dimensions(W*H*D)	38" * 33" * 30"
Technical Parameters	LG 228
Capacity	230Pints/Day
Efficiency	6.6Pints/kWh
Refrigerant	R32
Operating Temp	41-95°F
Drain Connection	3/4" Threaded NPT
Air Filter	MERV-11/13; 21.8" * 21.8"
Blower (Tested with duct collars on)	850 CFM @ 0.0" WG
Heat Load (BTU/H)	6350
Energy Factor	3.13 L/kWh
Electrical Parameters	LG 228
Supply Voltage	208-277VAC/1N/50&60Hz
Power	1450W
Current Draw	6.3 @240V / 5.5 @277V
Attachment Parameters	LG 228
Weight	210 lb
Weight (w/ Packaging)	293 lb
Maximum Noise	70dB(A)
Installation Method	Ceiling-suspended or Bottom fixed
Component Material	Galvanized Steel/Powder Electroplated Paint (stainless steel housing optional)
Safety Parameters	In Accordance with DIN 31001
Protection Level	IP23
Surface Color	RAL7035 (light grey) +RAL 1033 (Orange), other colors on request
Certification	CE/ETL

Accessories

Type	ID NO.	Description
IDK3	31800018	Intake Duct kit
EDK3	31800019	Exhaust Duct kit
FT311	31800043	Superior Filtration(MERV11)
FT313	31800034	Superior Filtration(MERV13)

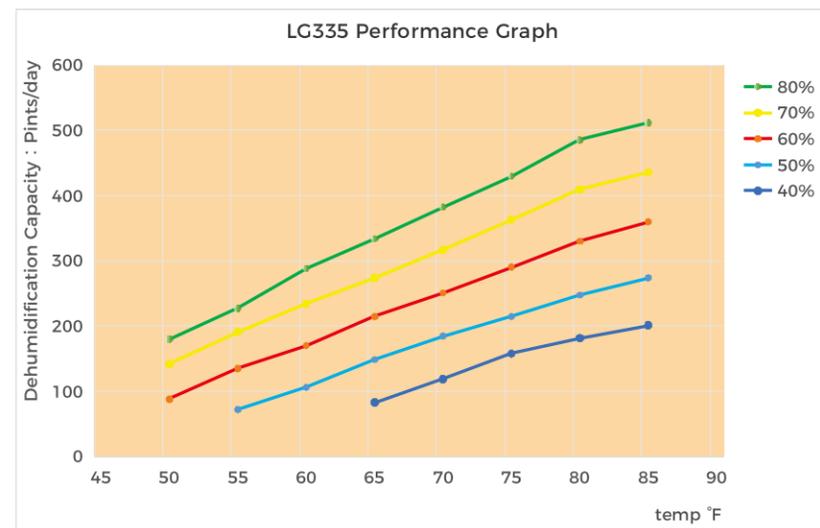
Dehumidifier

LG 335

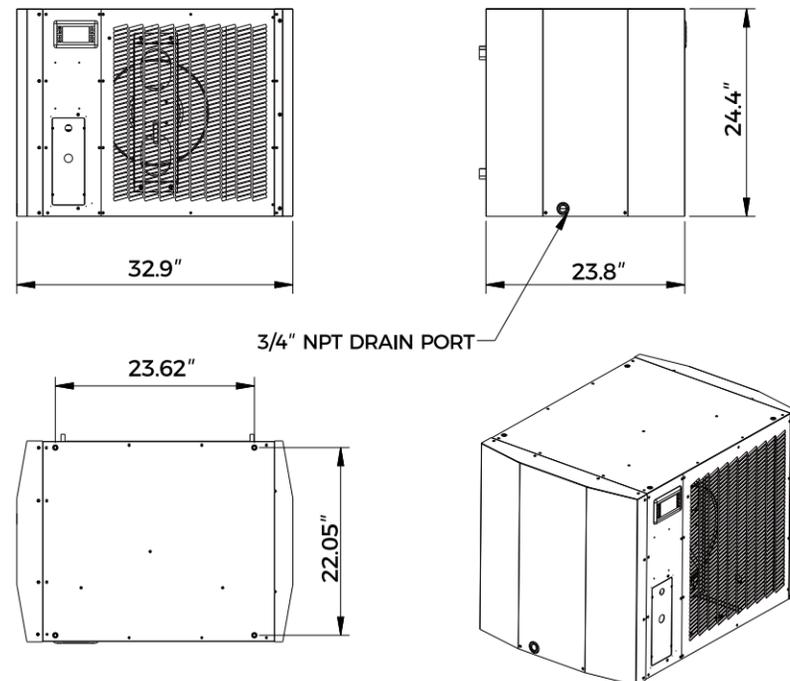
Performance Curve Chart

Dehumidification Capacity : Pints/day

RH °F Cap(Pt/D)	RH								
	80%	75%	70%	65%	60%	55%	50%	45%	40%
50	180	158	142	119	88				
55	228	208	191	162	135	92	72		
60	288	257	234	205	170	132	106		
65	333	304	274	244	215	182	149	116	83
70	382	350	317	284	251	218	185	149	119
75	429	399	363	327	290	254	215	175	158
80	485	449	409	370	330	290	248	205	182
85	512	475	436	396	360	314	274	224	201



LG 335 Exterior Dimensions



FEATURES:

- Compact yet powerful, the LEIZIG dehumidifier offers a versatile dehumidification range from 70-880pints/day.
- Boasting a high-efficiency filtration system, it ensures your plants are safeguarded from detrimental microbes.
- Experience industry-leading minimal noise operation.
- This dehumidifier is equipped with a remote dry contact input and an RS485, communication interface supporting the standard MODBUS protocol. It can seamlessly integrate with various humidity controllers and control systems.
- Choose from a variety of installation options including hoisting, ceiling, wall, and floor cabinets – there's a fit for every preference.

Model No.	LG 335
Factory ID No.	31000025
Dimensions(W*H*D)	32.9" * 24.4" * 23.8"
Package Dimensions(W*H*D)	38" * 33" * 30"
Technical Parameters	LG 335
Capacity	330 Pints/Day
Efficiency	6.8 Pints/kWh
Refrigerant	R32
Operating Temp	41-95°F
Drain Connection	3/4" Threaded NPT
Air Filter	MERV-11/13; 21.8" * 21.8"
Blower (Tested with duct collars on)	950CFM @ 0.0" WG
Heat Load (BTU/H)	8500
Energy Factor	3.22L/kWh
Electrical Parameters	LG 335
Supply Voltage	208-277VAC/1N/50&60Hz
Power	2020W
Current Draw	8.8 @240V / 7.7 @277V
Attachment Parameters	LG 335
Weight	217 lb
Weight (w/ Packaging)	300lb
Maximum Noise	70dB(A)
Installation Method	Ceiling-suspended or Bottom fixed
Component Material	Galvanized Steel/Powder Electroplated Paint (stainless steel housing optional)
Safety Parameters	In Accordance with DIN 31001
Protection Level	IP23
Surface Color	RAL7035 (light grey) +RAL 1033 (Orange), other colors on request
Certification	CE/ETL

Accessories

Type	ID NO.	Description
IDK3	31800018	Intake Duct kit
EDK3	31800019	Exhaust Duct kit
FT311	31800043	Superior Filtration(MERV11)
FT313	31800034	Superior Filtration(MERV13)

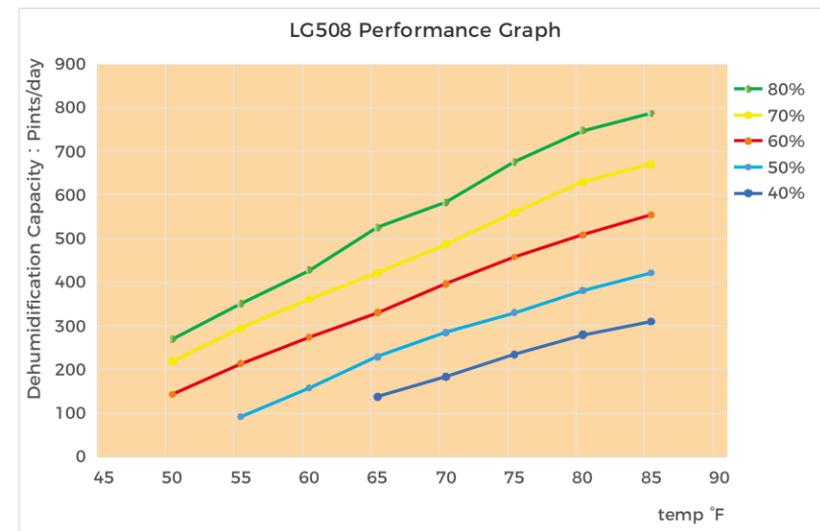
Dehumidifier

LG 508

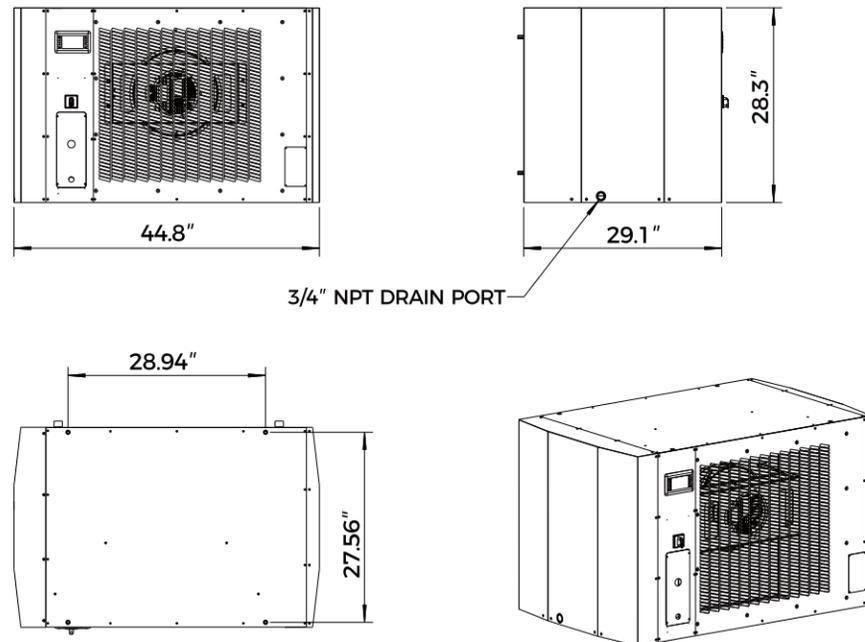
Performance Curve Chart

Dehumidification Capacity : Pints/day

RH Cap(Pt/D) °F	RH								
	80%	75%	70%	65%	60%	55%	50%	45%	40%
50	269	244	218	183	142				
55	351	320	295	249	213	142	91		
60	427	396	361	315	274	203	157		
65	525	467	422	376	330	279	229	178	137
70	583	538	488	437	396	335	284	229	183
75	675	615	559	503	458	391	330	269	234
80	747	691	630	569	508	447	381	315	279
85	787	732	671	610	554	483	422	345	310



LG 508 Exterior Dimensions



FEATURES:

- Compact yet powerful, the LEIZIG dehumidifier offers a versatile dehumidification range from 70-880pints/day.
- Boasting a high-efficiency filtration system, it ensures your plants are safeguarded from detrimental microbes.
- Experience industry-leading minimal noise operation.
- This dehumidifier is equipped with a remote dry contact input and an RS485, communication interface supporting the standard MODBUS protocol. It can seamlessly integrate with various humidity controllers and control systems.
- Choose from a variety of installation options including hoisting, ceiling, wall, and floor cabinets – there's a fit for every preference.

Model No.	LG 508
Factory ID No.	31000034
Dimensions(W*H*D)	44.8" * 28.3" * 29.1"
Package Dimensions(W*H*D)	51" * 35" * 38"
Technical Parameters	LG 508
Capacity	508 Pints/Day
Efficiency	6.8 Pints/kWh
Refrigerant	R32
Operating Temp	41-95°F
Drain Connection	3/4" Threaded NPT
Air Filter	MERV-11/13; 31.8" * 22.3"
Blower (Tested with duct collars on)	1500CFM @ 0.0" WG
Heat Load (BTU/H)	15200
Energy Factor	3.23L/kWh
Electrical Parameters	LG 508
Supply Voltage	208-277VAC/1N/50&60Hz
Power	3100W
Current Draw	13.5 @240V / 11.8 @277V
Attachment Parameters	LG 508
Weight	350 lb
Weight (w/ Packaging)	458 lb
Maximum Noise	73dB(A)
Installation Method	Ceiling-suspended or Bottom fixed
Component Material	Galvanized Steel/Powder Electroplated Paint (stainless steel housing optional)
Safety Parameters	In Accordance with DIN 31001
Protection Level	IP23
Surface Color	RAL7035 (light grey) +RAL 1033 (Orange), other colors on request
Certification	CE/ETL

Accessories

Type	ID NO.	Description
IDK4	31800020	Intake Duct kit
EDK4	31800021	Exhaust Duct kit
FT411	31800044	Superior Filtration(MERV11)
FT413	31800035	Superior Filtration(MERV13)

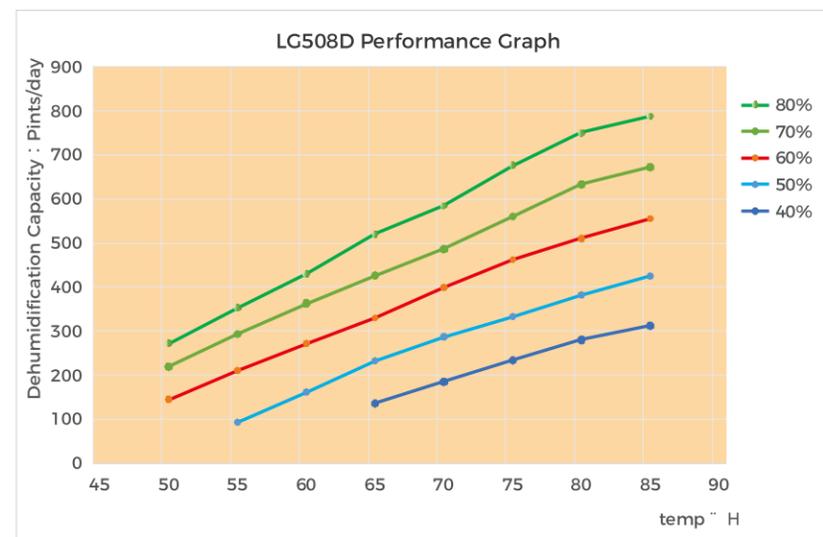
Dehumidifier

LG 508D

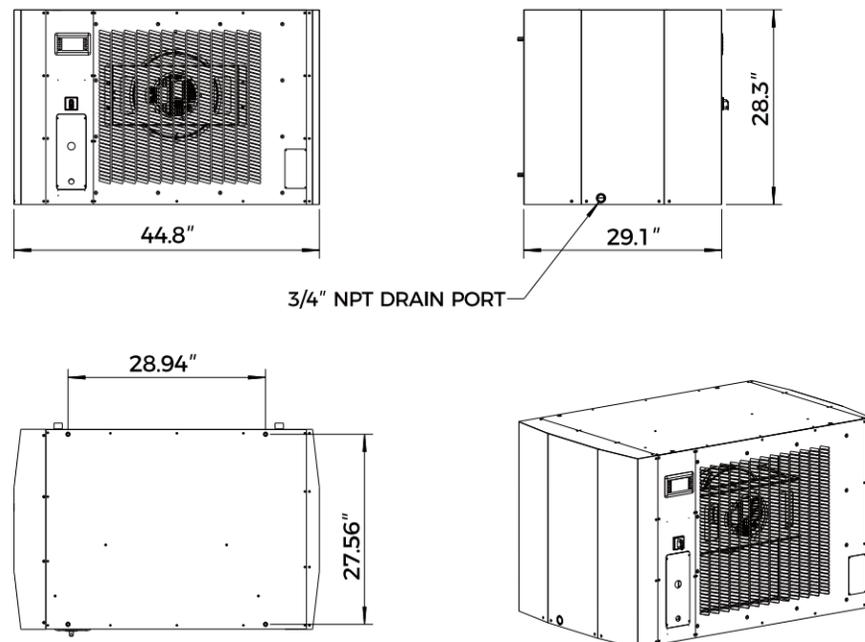
Performance Curve Chart

Dehumidification Capacity : Pints/day

RH Cap(Pt/D) °F	80%	75%	70%	65%	60%	55%	50%	45%	40%
	50	272	245	219	185	145			
55	353	322	293	251	211	143	93		
60	430	395	363	316	272	202	162		
65	520	467	426	375	330	281	233	178	136
70	585	540	486	435	399	336	287	232	185
75	676	616	560	504	462	391	333	271	234
80	750	693	633	566	510	449	382	315	280
85	788	733	672	608	555	486	425	347	312



LG 508D Exterior Dimensions



FEATURES:

- Compact yet powerful, the LEIZIG dehumidifier offers a versatile dehumidification range from 70-880pints/day.
- Boasting a high-efficiency filtration system, it ensures your plants are safeguarded from detrimental microbes.
- Experience industry-leading minimal noise operation.
- This dehumidifier is equipped with a remote dry contact input and an RS485, communication interface supporting the standard MODBUS protocol. It can seamlessly integrate with various humidity controllers and control systems.
- Choose from a variety of installation options including hoisting, ceiling, wall, and floor cabinets – there's a fit for every preference.

Model No.	LG 508D
Factory ID No.	31000046
Dimensions(W*H*D)	44.8" * 28.3" * 29.1"
Package Dimensions(W*H*D)	51" * 35" * 38"

Technical Parameters	LG 508D
Capacity	510 Pints/Day
Efficiency	6.7 Pints/kWh
Refrigerant	R32
Operating Temp	41-95°F
Drain Connection	3/4" Threaded NPT
Air Filter	MERV-11/13; 31.8" * 22.3"
Blower (Tested with duct collars on)	1500CFM @ 0.0" WG
Heat Load (BTU/H)	15200
Energy Factor	3.19 L/kWh

Electrical Parameters	LG 508D
Supply Voltage	380-480VAC/3PH/50&60Hz
Power	3150W
Current Draw	4.5 @480V / 5.3 @400V

Attachment Parameters	LG 508D
Weight	352 lb
Weight (w/ Packaging)	460 lb
Maximum Noise	76dB(A)
Installation Method	Ceiling-suspended or Bottom fixed
Component Material	Galvanized Steel/Powder Electroplated Paint (stainless steel housing optional)
Safety Parameters	In Accordance with DIN 31001
Protection Level	IP23
Surface Color	RAL7035 (light grey) +RAL 1033 (Orange), other colors on request
Certification	CE/ETL

Accessories

Type	ID NO.	Description
IDK4	31800020	Intake Duct kit
EDK4	31800021	Exhaust Duct kit
FT411	31800044	Superior Filtration(MERV11)
FT413	31800035	Superior Filtration(MERV13)

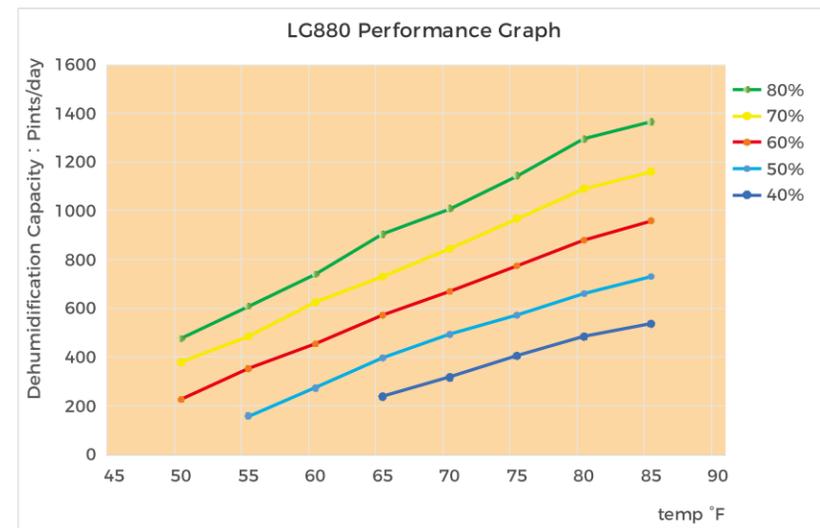
Dehumidifier

LG 880

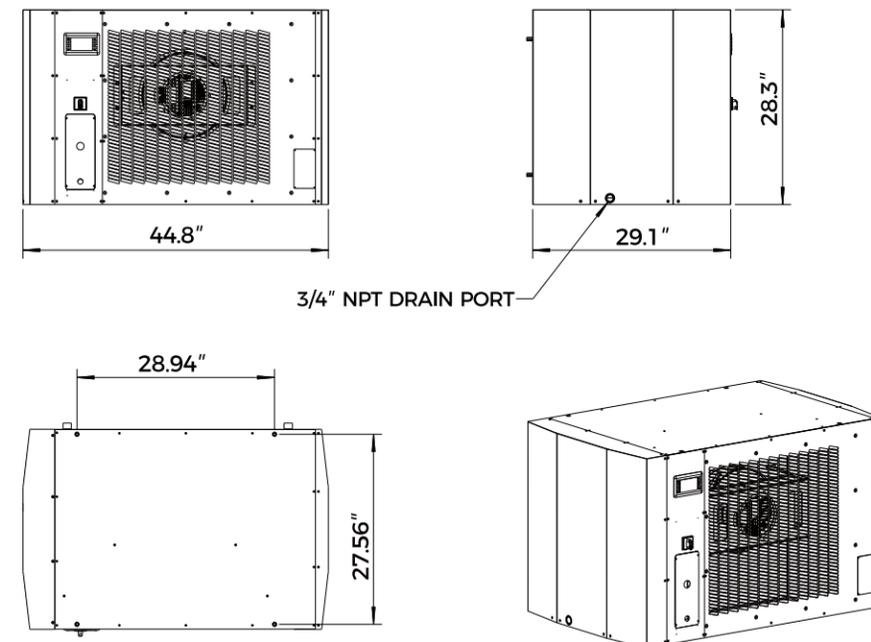
Performance Curve Chart

Dehumidification Capacity : Pints/day

RH °F Cap(Pt/D)	RH								
	80%	75%	70%	65%	60%	55%	50%	45%	40%
50	476	422	378	317	226				
55	607	554	485	431	352	246	158		
60	739	686	625	546	455	352	273		
65	905	810	730	651	572	484	396	308	238
70	1008	833	845	757	669	571	493	396	317
75	1144	1065	968	871	774	678	572	466	405
80	1294	1197	1091	986	880	774	660	546	484
85	1364	1267	1162	1056	959	836	730	598	537



LG 880 Exterior Dimensions



FEATURES:

- Compact yet powerful, the LEIZIG dehumidifier offers a versatile dehumidification range from 70-880pints/day.
- Boasting a high-efficiency filtration system, it ensures your plants are safeguarded from detrimental microbes.
- Experience industry-leading minimal noise operation.
- This dehumidifier is equipped with a remote dry contact input and an RS485, communication interface supporting the standard MODBUS protocol. It can seamlessly integrate with various humidity controllers and control systems.
- Choose from a variety of installation options including hoisting, ceiling, wall, and floor cabinets – there's a fit for every preference.

Model No.	LG 880	
Factory ID No.	31000056	
Dimensions(W*H*D)	44.8" * 28.3" * 29.1"	
Package Dimensions(W*H*D)	51" * 35" * 38"	
Technical Parameters	LG 880	
Capacity	880 Pints/Day	
Efficiency	6.6Pints/kWh	
Refrigerant	R32	
Operating Temp	41-95°F	
Drain Connection	3/4" Threaded NPT	
Air Filter	MERV-11/13; 31.8" * 22.3"	
Blower (Tested with duct collars on)	2500CFM @ 0.0" WG	
Heat Load (BTU/H)	22000	
Energy Factor	3.12 L/kWh	
Electrical Parameters	LG 880	
Supply Voltage	380-480VAC/3PH/50&60Hz	
Power	5560 W	
Current Draw	8.0 @480V / 9.5 @400V	
Attachment Parameters	LG 880	
Weight	400 lb	
Weight (w/ Packaging)	508 lb	
Maximum Noise	76dB(A)	
Installation Method	Ceiling-suspended or Bottom fixed	
Component Material	Galvanized Steel/Powder Electroplated Paint (stainless steel housing optional)	
Safety Parameters	In Accordance with DIN 31001	
Protection Level	IP23	
Surface Color	RAL7035 (light grey) +RAL 1033 (Orange), other colors on request	
Certification	CE/ETL	
Accessories		
Type	ID NO.	Description
IDK4	31800020	Intake Duct kit
EDK4	31800021	Exhaust Duct kit
FT411	31800044	Superior Filtration(MERV11)
FT413	31800035	Superior Filtration(MERV13)



Leizig Intake Duct Kit **IDK**

- The suction hose kit is designed to effectively direct air or gas, ensuring fluid flows precisely in the intended direction.
- By maintaining controlled airflow, the kit enhances overall equipment efficiency and supports consistent peak performance.

Model	Material No.	Product Description
IDK2	31800028	suitable for LG70/LG100/LG150, includes 1 duct with a diameter of 12 inches
IDK3	31800018	suitable for LG195/LG228/LG335, includes 2 ducts with a diameter of 12 inches
IDK4	31800020	suitable for LG508/LG880, includes 2 ducts with a diameter of 12 inches



Leizig Exhaust Duct Kits **EDK**

- A well-designed exhaust duct kit enhances the performance of the entire ventilation system by ensuring optimal airflow.
- It also helps reduce airflow noise, contributing to a quieter and more comfortable working or living environment.

Model	Material No.	Product Description
EDK2	31800029	suitable for LG70/LG100/LG150, includes 1 duct with a diameter of 12 inches
EDK3	31800019	suitable for LG195/LG228/LG335, includes 2 ducts with a diameter of 12 inches
EDK4	31800021	suitable for LG508/LG880, includes 2 ducts with a diameter of 12 inches



Adjustable Height Support Feet **AF**

- The adjustable height design allows users to customize the unit's position to suit various placement needs, enhancing flexibility and ease of use.
- Sturdy, adjustable feet help minimize vibration during operation, reducing noise and protecting floor surfaces from impact.

Material No: 10901376



Leizig Standard Filter **FT**

- The filter effectively removes dust, pollen, hair, and other fine particles from the air, helping to protect the dehumidifier's internal components from contamination and damage.
- Constructed with a durable aluminum frame and reinforced stainless steel mesh, the filter offers reliable performance and long-lasting protection.

Model	Material No.	Product Description
FT211	31800037	Suitable for LG70/LG100/LG150, includes 17.6x12.6x2 inch superior filtration(MERV11)
FT311	31800043	Suitable for LG195/LG228/LG335, includes 21.8x21.8x2 inch Superior filtration(MERV11)
FT411	31800044	Suitable for LG508/LG880, includes 31.8x22.3x2 inch superior filtration(MERV11)
FT213	31800033	Suitable for LG70/LG100/LG150, includes 17.6x12.6x2 inch superior filtration(MERV13)
FT313	31800034	Suitable for LG195/LG228/LG335, includes 21.8x21.8x2 inch superior filtration(MERV13)
FT413	31800035	Suitable for LG508/LG880, includes 31.8x22.3x2 inch superior filtration(MERV13)

Model	Material No.	Product Description
FT211A	31800040	Suitable for LG195, includes 14.3x12.6x1 inch superior filtration(MERV11)
FT311A	31800038	Suitable for LG228/LG335, includes 21.8x21.8x1 inch superior filtration(MERV11)
FT411A	31800039	Suitable for LG508/LG880, includes 31.8x22.3x1 inch superior filtration(MERV11)
FT311A (paper)	31800041	Suitable for LG228/LG335, includes 21.8x21.8x1 inch superior filtration(MERV11)
FT411A (paper)	31800042	Suitable for LG508/LG880, includes 31.8x22.3x1 inch superior filtration(MERV11)
FT213A	31800011	Suitable for LG195, includes 14.3x12.6x1 inch superior filtration(MERV13)
FT313A	31800012	Suitable for LG228/LG335, includes 21.8x21.8x1 inch superior filtration(MERV13)
FT413A	31800013	Suitable for LG508/LG880, includes 31.8x22.3x1 inch superior filtration(MERV13)



Leizig Dehumidifier Remote Control Display **E11**

- Provides users with an intuitive user interface, which is convenient for users to control the various functions and settings of the dehumidifier.
- It is able to display the current relative humidity level in real time, helping users to understand the ambient humidity condition so that they can adjust it accordingly.

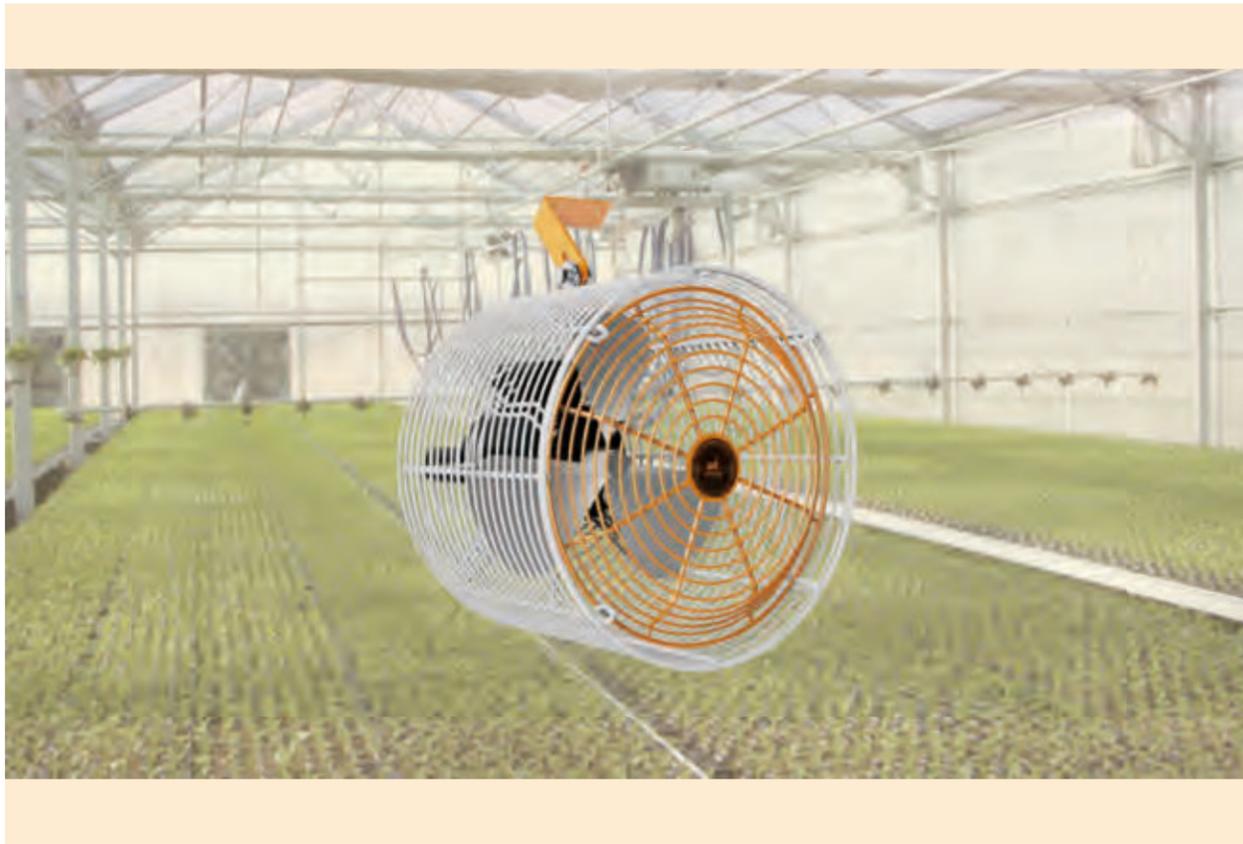
Material No: 30600151





Ventilation

Directional forced-air flow promotes consistent movement of plants and flowers, ensuring even light distribution for healthier growth. Cantilevered mounting brackets make installation simple, maintenance accessible, and relocation quick. Designed for durability and quiet performance, each unit features a double ball bearing system and a snap-in grille that allows for easy cleaning and upkeep.



Benefits of Choosing the EV Ventilation Series:

Optimized Ventilation System

Engineered for smooth, consistent airflow that minimizes stagnation and eliminates dead zones.

Improved Air Quality

Delivers a steady supply of fresh air to enhance air quality in production environments.

Healthier Work Environment

Reduces airborne contaminants and inhibits germ growth, promoting a cleaner, safer space.

Enhanced Ventilation Performance

Maximizes system efficiency and effectiveness, providing powerful support for demanding industrial operations.

Cantilever Bracket

Maximizes space efficiency with a concealed support structure, allowing for easy installation, maintenance, and quick relocation.

Double Ball Bearing Design

Offers high load capacity, flexible orientation, quiet operation, and extended service life.

Snap-In Grille

Easy to install and remove, providing excellent ventilation and heat dissipation while simplifying cleaning and routine maintenance.

Simple & Modern Appearance

Clean, modern design integrates seamlessly with various agricultural facilities, such as greenhouses and farms, enhancing the overall aesthetic.

Corrosion-Resistant Materials

Constructed from materials that withstand moisture, fertilizers, and other corrosive agents common in agricultural environments, extending the equipment's lifespan.

Optimized Duct Design

Streamlined airflow distribution increases circulation efficiency and improves the visual appeal of the unit.

Easy Cleaning & Maintenance

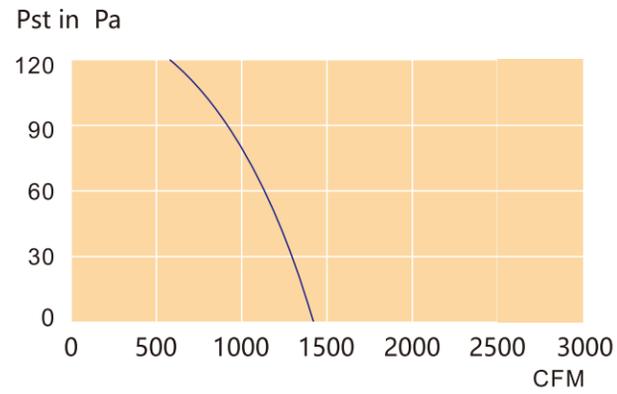
User-friendly design enables quick disassembly and cleaning, ensuring the fan remains in optimal working condition over time.



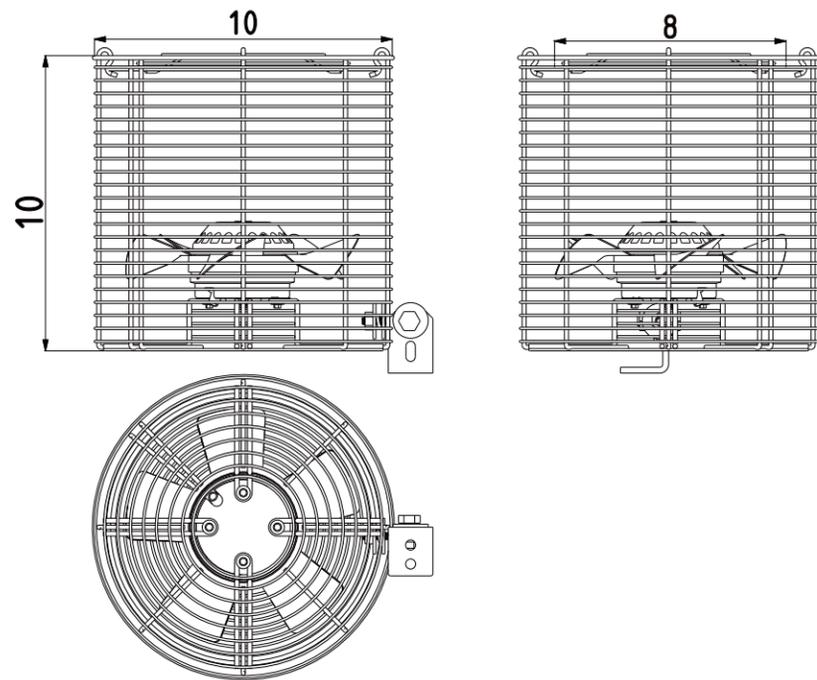
Circulation Fan

CF08

Performance Curve



CF08 Outside dimension drawing



UNIT:in

Onsite application



FEATURES:

- Provides 450 CFM airflow for balanced air circulation in mid-sized cultivation areas
- Directional airflow encourages plant movement and consistent light coverage
- Cantilevered brackets offer simplified installation, maintenance, and repositioning
- Snap-in grille design allows for easy disassembly and cleaning
- Double ball bearing system provides quiet performance and long-term durability

Structural Parameters	CF08
Factory ID No.	32100123
Diameter	08"
Product Shipping Dimensions	11.9"*11.9"*12.6"
Guard Spacing(inches)	1/2 - 1 UL507
Maximum RPM	2600Rpm

Air Flow Parameters	CF08
CFM (free air)	510
CFM Range (free air)	<1000

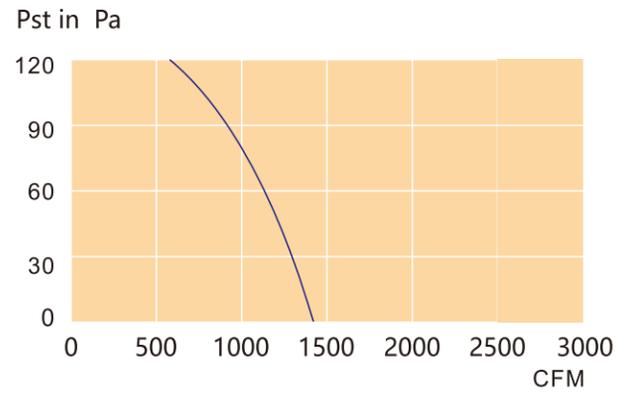
Electrical Parameters	CF08
Voltage	120 VAC
Frequency	60Hz
Power	1/10hp
Nameplate Amps	0.66A
CFM/watt (free air)	

Attachment Parameters	CF08
Product Net Weight	7.0 lbs
Cord Length	

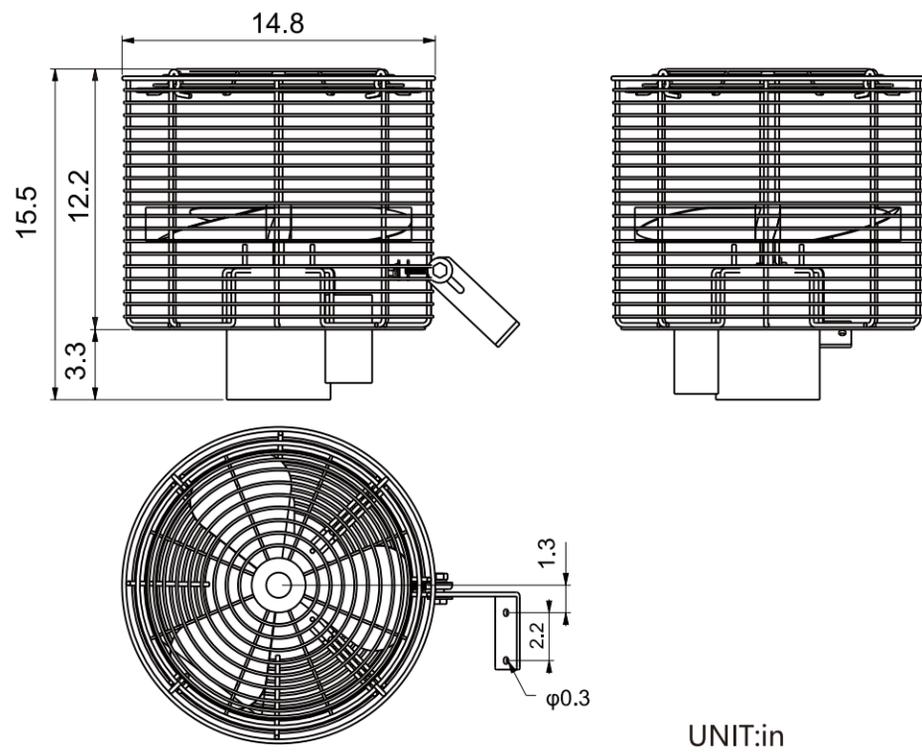
Circulation Fan

CF12

Performance Curve



CF12 Outside dimension drawing



Onsite application



FEATURES:

- Provides 1500 CFM airflow for balanced air circulation in mid-sized cultivation areas
- Directional airflow encourages plant movement and consistent light coverage
- Cantilevered brackets offer simplified installation, maintenance, and repositioning
- Snap-in grille design allows for easy disassembly and cleaning
- Double ball bearing system provides quiet performance and long-term durability

Structural Parameters	CF12-120	CF12-240
Factory ID No.	32100118	32100119
Diameter	12"	
Product Shipping Dimensions	15.8**15.8**16.6"	
Guard Spacing(inches)	1/2 - 1 UL507	
Maximum RPM	1550 Rpm	

Air Flow Parameters	CF12-120	CF12-240
CFM (free air)	1500	
CFM Range (free air)	1020 - 2550	

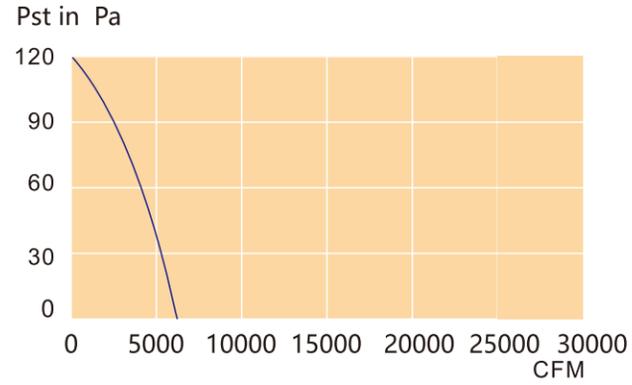
Electrical Parameters	CF12-120	CF12-240
Voltage	120 VAC	240 VAC
Frequency	60Hz	60Hz
Power	1/7hp	1/6hp
Nameplate Amps	0.87A	0.51A

Attachment Parameters	CF12-120	CF12-240
Product Net Weight	21 lbs	
Cord Length	60in (5 feet)	

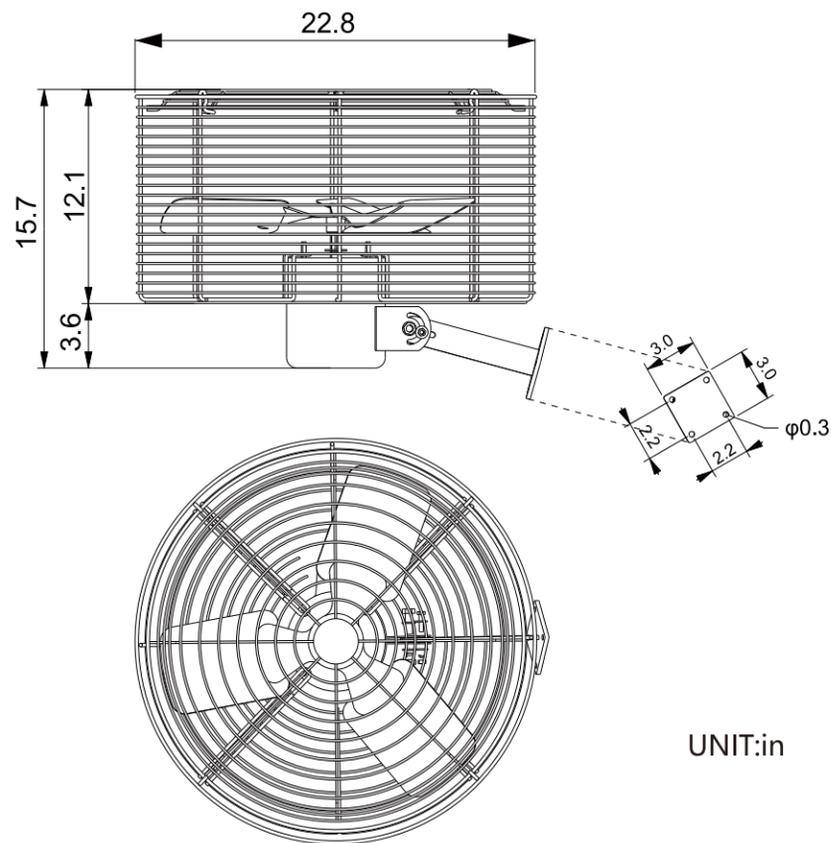
Circulation Fan

CF20

Performance Curve



CF20 Outside dimension drawing



Onsite application



FEATURES:

- Provides 5750CFM airflow for balanced air circulation in mid-sized cultivation areas
- Directional airflow encourages plant movement and consistent light coverage
- Cantilevered brackets offer simplified installation, maintenance, and repositioning
- Snap-in grille design allows for easy disassembly and cleaning
- Double ball bearing system provides quiet performance and long-term durability

Structural Parameters	CF20-120	CF20-240	CF20-277
Factory ID No.	32100120	32100121	32100122
Diameter	20"		
Product Shipping Dimensions	23.7"*23.7"*16.6"		23.7"*23.7"*18.9"
Guard Spacing(inches)	1/2 - 1 UL507		
Maximum RPM	1725 Rpm		

Air Flow Parameters	CF20-120	CF20-240	CF20-277
CFM (free air)	5750		
CFM Range (free air)	5250 - 10500		

Electrical Parameters	CF20-120	CF20-240	CF20-277
Voltage	120 VAC	240 VAC	277 VAC
Frequency	60Hz	60Hz	60Hz
Power	9/16hp	5/8hp	9/16hp
Nameplate Amps	3.66A	1.93A	1.71A

Attachment Parameters	CF20-120	CF20-240	CF20-277
Product Net Weight	35.5lbs	35 lbs	34.8lbs
Cord Length	60in (5 feet)	60in (5 feet)	60in (5 feet)