

HIROSS

Product Manual

Dehumidifier



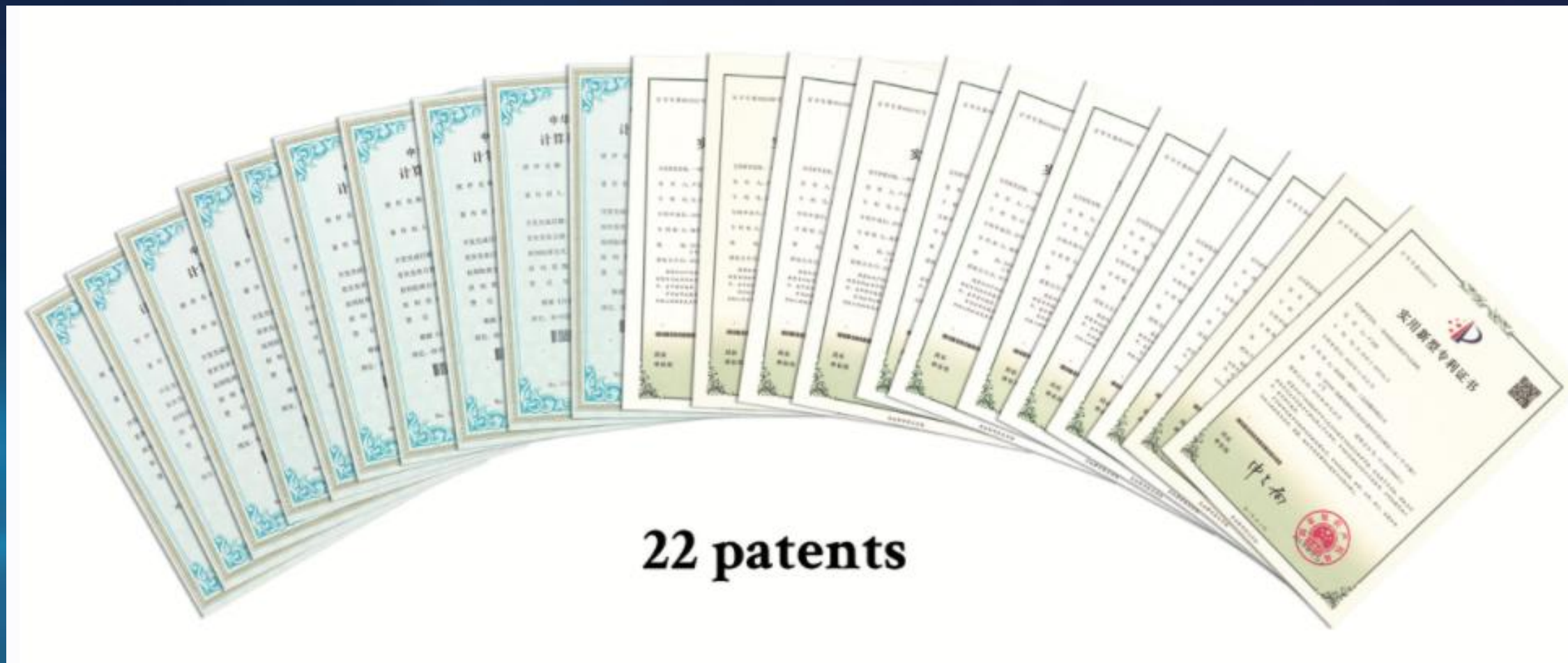
ABOUT OUR COMPANY

Hiross is a national high-tech technology enterprise integrating design, research, development and production of energy-saving, environmentally-friendly and intelligent equipment. With advanced technology as the core, our company has strategic cooperation with the German EverAir high-end brand, and jointly established an advanced R&D center with German EverAir to share research and development results.

A series of HIROSS products have passed QS, ISO9001:2015 international quality system certification, CCS ship certification, national quality and safety GCCA certification

Till now, there are more than 20 purification core inventions and utility model patents have been obtained.





Dehumidifier Product Feature

1. International Brand Compression.
2. Compression Three Minutes Automatic delayed protection.
3. Save time, save power.
4. Universal wheel, can move conveniently.
5. Tube connection, continuous drainage.



Ceiling Mounted Dehumidifier

HIROSS

关于我们

我们是一家致力于为全球客户提供高品质产品的制造企业。我们拥有先进的生产设备和技术，致力于为客户提供量身定制的解决方案。我们的产品涵盖多个行业和领域，包括工业制造、电子设备、温室种植、食品加工以及其他重要市场。我们的产品在质量和可靠性方面广受好评并多次获得认可。我们的公司始终遵循“品质第一”的原则，测试并检查所有产品以确保一致的性能和可靠性。我们的专业团队汇聚了多年的经验，具备专业的技术和知识。我们积极采用全球采购策略，不断推动业务优化，实现更好的成本控制。



Model	HR-C155	HR-C195	HR-C210	HR-A225
Relative humidity	27°C/60%RH	27°C/60%RH	27°C/60%RH	27°C/60%RH
Capacity	155pint/D	195pint/D	225pint/D	225pint/D
Maximum power	1250W	1350W	1450W	1450W
Air volume	1020m³/h	1300m³/h	1200m³/h	1200m³/h
Power supply	220-240V/50Hz			
Control method	Microcomputer intelligence			
Setting range	10~90%			
Adjust value	±1%			
Humidity accuracy	±3%			
Display	LED temperature and humidity dual display			
Cycle mode	Left in and right out			
Dust filter	Medium efficiency filter			
Power off memory	yes			
Timing function	24-hour timed on/off switch			
Defrost mode	automatic			
Refrigerant	R410			
Drainage method	continuous drainage			
Fault prompt	screen code			
Protection level	IP21			
Protection function	High and low temperature automatic			
Compressor protection	Delay, overheating			
Product size	790*540*460MM	510*420*935MM	870*555*505MM	700*645*525MM
Packing size	870*642*600MM	530*440*965MM	940*660*660MM	780*790*675MM
Product net weight	73KG	82KG	90KG	86KG

About Us

We are a manufacturing enterprise dedicated to providing high-quality products to clients worldwide. With advanced production equipment and technology, we are committed to offering tailored solutions. Our products span multiple industries and fields, including industrial manufacturing, electronic devices, greenhouse cultivation, food processing, and other key markets. Renowned for quality and reliability, our products have received widespread acclaim and numerous accolades. Upholding the principle of "quality first," we rigorously test and inspect all products to ensure consistent performance and dependability. Our professional team brings years of experience, specialized expertise, and technical knowledge. By actively adopting a global sourcing strategy, we continuously optimize operations and achieve better cost control.



Model	HR-C320	LN-M320	HR-B320	HR-A335
Relative humidity	27°C/60%RH	27°C/60%RH	27°C/60%RH	27°C/60%RH
Capacity	320pint/D	320pint/D	320pint/D	335pint/D
Maximum power	2250W	2250W	2250W	2300W
Air volume	1650m³/h	1650m³/h	1650m³/h	1650m³/h
Power supply	220-240V/50Hz			
Control method	Microcomputer intelligence			
Setting range	10~90%			
Adjust value	±1%			
Humidity accuracy	±3%			
Display	LED temperature and humidity dual display			
Cycle mode	Left in and right out			
Dust filter	Medium efficiency filter			
Power off memory	yes			
Timing function	24-hour timed on/off switch			
Defrost mode	automatic			
Refrigerant	R410			
Drainage method	continuous drainage			
Fault prompt	screen code			
Protection level	IP21			
Protection function	High and low temperature automatic			
Compressor protection	Delay, overheating			
Product size	870*555*505MM	870*555*505MM	870*555*505MM	700*645*525MM
Packing size	940*660*660MM	940*660*660MM	940*660*660MM	780*790*675MM
Product net weight	97KG	97KG	97KG	96KG

Ceiling Mounted Dehumidifier

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Ceiling Mounted Dehumidifier

- *High-Quality ABS plastic steel, power saving, mute.
- *Placed inside ceiling, Do not take up the interior space.
- *Compressor three minutes automatic delay protection.
- ***International Brand Compressors:** Panasonic, Copeland, Taikang.
- *Function of buzzer alarm and stop when water full.
- *Ambient humidity LED display, auto stop when ambient humidity under control.
- *Upward air outlet, adjustable outlet direction.
- *Humidity and timing setting.
- ***Automatic defrost.**
- *Full copper tube condenser and evaporator.
- *Control range of humidity: 30% - 95%.
- *Accuracy of humidity adjustment: 1%.
- ***Continuous drainage.**
- *Save money-one machine, controls the whole space.



Ceiling Mounted Dehumidifier (Testing condition: T=30°C/RH=80%)

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Model	HRDD-20	HRDD-58	HRDD-90	HRDD-150
Dehumidifying Capacity	20L/D	58L/D	90L/D	150L/D
Circulating Air Flow	250m3/h	650m3/h	800m3/h	1200m3/h
Application Space	10-35 m2 (H2.6m)	40-50 m2 (H2.6m)	90-120 m2 (H2.6m)	90-120 m2 (H2.6m)
Power	220V/50Hz/60HZ	220V/50Hz/60HZ	220V/50Hz/60HZ	220V/50Hz/60HZ
Input Power	350W	910W	1500W	2200W
Current	1.8A	3.5A	7.5A	11A
Working Temperature	5-38°C	5-38°C	5-38°C	5-38°C
Dimension(mm)	545X375X200	660X630X420	940X630X480	940X630X480
N.W./G.W.	26kg	56kg	70kg	78kg
Time Setting	1-24Hrs	1-24Hrs	1-24Hrs	1-24Hrs
Drainage Method	Hose Connection	Hose Connection	Hose Connection	Hose Connection
Defrost Function	Automatic Defrosting	Automatic Defrosting	Automatic Defrosting	Automatic Defrosting
Refrigerant	R-22, R410A, R407C, 134A for optional	R-22, R410A, R407C, 134A for optional	R-22, R410A, R407C, 134A for optional	R-22, R410A, R407C, 134A for optional

Ceiling Mounted Dehumidifier (Testing condition: T=30°C/RH=80%)

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Model	HRDD-168	HRDD-248	HRDD-388	HRDD-488
Dehumidifying Capacity	168L/D	240L/D	360L/D	480L/D
Circulating Air Flow	2000m3/h	2800m3/h	4000m3/h	5600m3/h
Application Space	90-120 m2 (H2.6m)	300-400 m2 (H2.6m)	400-500 m2 (H2.6m)	500-600 m2 (H2.6m)
Power	380V/50Hz/60HZ	380V/50Hz/60HZ	380V/50Hz/60HZ	380V/50Hz/60HZ
Input Power	3KW	4KW	5.1W	10.5KW
Current	11A	12A	13.5A	15A
Working Temperature	5-38°C	5-38°C	5-38°C	5-38°C
Dimension(mm)	940X630X480	1050*750*800	1300*1280*740	1300*1270*735mm
N.W./G.W.	78kg	105kgs	205kgs	
Time Setting	1-24Hrs	1-24Hrs	1-24Hrs	1-24Hrs
Drainage Method	Hose Connection	Hose Connection	Hose Connection	Hose Connection
Defrost Function	Automatic Defrosting	Automatic Defrosting	Automatic Defrosting	Automatic Defrosting
Refrigerant	R-22, R410A, R407C, 134A for optional	R-22, R410A, R407C, 134A for optional	R-22, R410A, R407C, 134A for optional	R-22, R410A, R407C, 134A for optional



Dehumidifier

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Microprocessor: All units are supplied standard with microprocessor controls. The microprocessor controls the following functions: compressor timing, automatic defrost cycles, alarms.

An appropriate LCD display shows the operation mode of the unit, set point and alarms.

Condenser and evaporator are made of copper pipes and aluminum fins.

Universal Wheel, Portable

Automatic Drain Through Water Pipe

Compressor Brand: Panasonic, Copeland (3 Minutes Delay protection)

Control and Protection Devices

All units are supplied with the following control and protection devices: antifreeze protection sensor, high-pressure switch with manual reset, low-pressure switch with automatic reset, high-pressure safety valve, compressor thermal overload protection, fans thermal overload protection.



Dehumidifier

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(Testing condition: T=30°C/86°F, RH=80%)				
	HR-20	HR-26	HR-30	HR-50
Capacity(L/DAY)	20L/DAY	26L/DAY	30L/DAY	50L/DAY
Power	220V/50Hz			
Rated input current	2.5A	3.0 A	2.5A	3.0A
Rated input power	500W	550W	570W	650W
Work temperature	5~38°C or 32~100°F			
Circulating air flow	550M ³ /H	600M ³ /H	800M ³ /H	850M ³ /H
Drainage type	Water Tank/ Hose Connection			
Outlook size	370*345*665 (mm)		530*430*650(MM)	
Gross weight	20KG	21KG	26KG	27KG
Net Weight	18KG	19KG	24KG	25KG
Applicable scope	10~25M ²	20~35M ²	40~50M ²	50~60M ²
Compressor	Hitachi(Japan)			
Automatic Defrost	Defrost once temperature under 18°C			
Universal Wheel	Movable			
Wind direction	Upshift/Downshift			
Design	Digital Display, Humidity Control			
Packaging	Carton & wooden box			

Dehumidifier

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(Testing condition: T=30°C/RH=80%)

Model	HR-90	HR-138	HR-150
Capacity(L/DAY)	90L/DAY	138L/DAY	150L/DAY
Power	220V/50Hz		
Rated input current	7.5A	10.0 A	11.0A
Rated input power	1.3KW	1.5KW	2.2KW
Work temperature	5~38°C or 32~100°F		
Circulating air flow	1000M ³ /H	1300M ³ /H	1500M ³ /H
Drainage type	Water Tank/ Hose Connection		
Outlook size	540*460* 1030(MM)	540*460* 1130(MM)	
Gross weight	53KG	57KG	58KG
Net Weight	50KG	55KG	56KG
Applicable scope	90~ 120M ²	120~ 150M ²	130~ 170M ²
Compressor	Hitachi(Japan)		
Automatic Defrost	Defrost once temperature under 18°C		
Universal Wheel	Movable		
Wind direction	Upshift/Downshift		
Design	Digital Display, Humidity Control		
Packaging	Carton box, 1 piece		

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(Testing condition: T=30°C/RH=80%)

Model	HR-168
Capacity(L/H)	7L/H
Power	380V/50Hz
Rated input current	6A
Rated input power	3.0KW
Work temperature	5~38°C
Circulating air flow	2000M ³ /H
Drainage type	Water Tank/ Hose Connection
Outlook size	640*400* 1600(mm)
Gross weight	140kg
Net Weight	120kg
Applicable scope	160~200m ²
Compressor	Panasonic(Japan)
Automatic Defrost	Defrost once temperature under 18°C
Universal Wheel	Movable
Wind direction	Upshift/Downshift
Design	Digital Display, Humidity Control
Packaging	Carton & wooden box

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(Testing condition: T=30°C/RH=80%)

Model	HR-218	HR-248	HR-388	HR-488
Capacity (30°C,RH80%)	8.8L/H	10L/H	15L/H	20L/H
Power	380V/50Hz			
Rated input current	8.0A	12.0 A	13.0A	15.0A
Rated input power	4.2KW	5.2KW	8.1KW	10.5KW
Work temperature	5~38°C or 32~100°F			
Circulating air flow	2600m3/h	2800m3/h	4000m3/h	5600m3/h
Drainage type	Water Tank/ Hose Connection			
Outlook size(mm)	790*470* 1720		1200*450* 1750	1220*470* 1770
Gross weight	160KG	170KG	220KG	240KG
Net Weight	140KG	150KG	200KG	220KG
Applicable scope	220~300m²	300~400m²	400~500Mm²	500~600Mm²
Compressor	Panasonic(Japan)			
Automatic Defrost	Defrost once temperature under 18°C			
Universal Wheel	stationary or universal wheel			
Wind direction	Upshift/Downshift			
Design	Digital Display, Humidity Control			
Packaging	Carton & wooden box			

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(Testing condition: T=30°C/RH=80%)

Model	HR-960
Capacity(L/H)	40L/H
Power	380V/50Hz
Rated input current	25.8A
Rated input power	16.9KW
Work temperature	5~38°C
Circulating air flow	12000M ³ /H
Drainage type	Water Tank/ Hose Connection
Outlook size	1400*650*1930(mm)
Gross weight	500kg
Net Weight	440kg
Applicable scope	900~1100m ²
Compressor	Panasonic(Japan)
Automatic Defrost	Defrost once temperature under 18°C
Universal Wheel	stationary
Wind direction	Upshift/Downshift
Design	Digital Display, Humidity Control
Packaging	Carton & wooden box

Portable Dehumidifier

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(Testing condition: T=30°C/RH=80%)

Model	HR-90DL	HR-138DL	HR-150DL
Capacity(L/H)	90L/D	138L/D	150L/D
Humidity range	RH45%-95%		
Rated input current	6A	8.5A	9.5A
Rated input power	1.2KW	1.7KW	1.9KW
Max. electricity consumption	1.5kw	2.1kw	2.2kw
Work temperature	5~38°C or 32~100°F		
Circulating air flow	1000m3/h	1300m3/h	1500m3/h
Drainage type	Water Tank/ Hose Connection		
Applicable scope	90~100m²	100~130m²	130~150Mm²
Air outlet pressure	80-100 Pa		
Remote controller	Available		
Work temperature	5~38°C or 32~100°F		
Big Wheels	yes		
Continuously drian	Available		
Design	Digital Display, Humidity Control		
Packaging	Carton & wooden box		

Portable Dehumidifier

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(Testing condition: T=30°C/RH=80%)

Model	HRGY-90	HRGY-138	HRGY-150
Capacity(L/H)	90L/D	138L/D	150L/D
Humidity range	RH10%-90%		
Rated input power	1075W	1215W	1495W
Max. Power	1500w	1850w	2300w
Work temperature	5~38°C or 32~100°F		
Circulating air flow	1000m3/h	1300m3/h	1500m3/h
Drainage type	Water Tank/ Hose Connection		
Applicable scope	90~100m²	100~130m²	130~150Mm²
Outlook size(mm)	540x480x1140	540x485x1200	540x485x1200
Net weight (KGS)	52	69	69
Gross weight (KGS)	55	72	72
Big Wheels	yes		
Continuously drian	Available		
Design	Digital Display, Humidity Control		
Packaging	Carton & wooden box		