Airdog
Breathe different

PRODUCTS CATALOG

Advanced Air Purification
Everyday Comfort



About Us

Airdog is a cutting-edge air comfort products company focusing on creating high-quality and efficient air comfort solutions for residential and commercial uses. With the mission to improve indoor air quality and promote healthier living, Airdog has developed advanced air filtration technology, TPA®, which is beyond traditional HEPA filtration. It is a washable solution that actively deactivates and collects harmful pollutants/particles from the air, including bacteria/viruses and ultra-fine particles, down to nano-meters. Whether you're looking to alleviate allergies or asthma or improve the overall air quality in your home or workplace, Airdog provides a reliable, effective, and environmentally green solution to help you breathe easier and live healthier.



International Awards

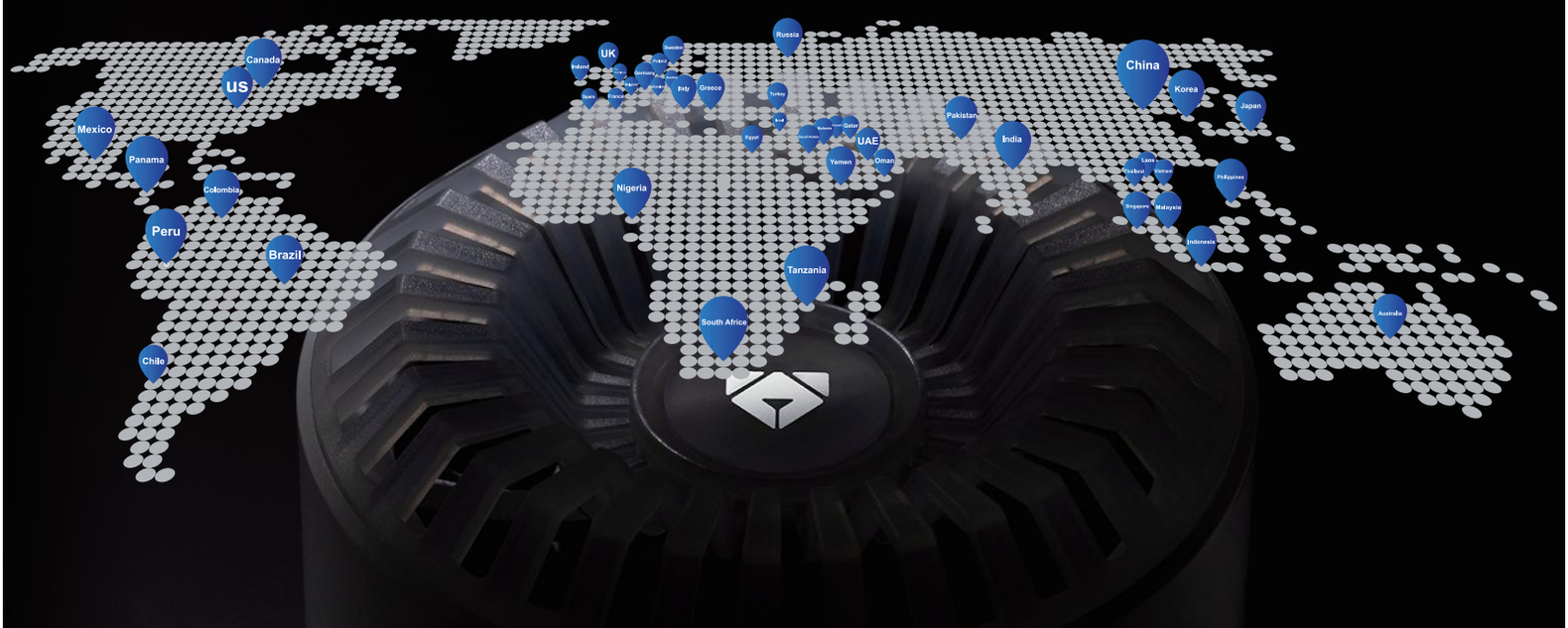


Globally Certified by World-Renowned Labs

TÜV SÜD
ETL LISTED
PSE
CE
CQC
CVC
SGS
ISO 9001:2015
CERTIFIED ISO 10004:2012 COMPANY
FC
GT
CNAS
CALIFORNIA AIR RESOURCES BOARD
FDA

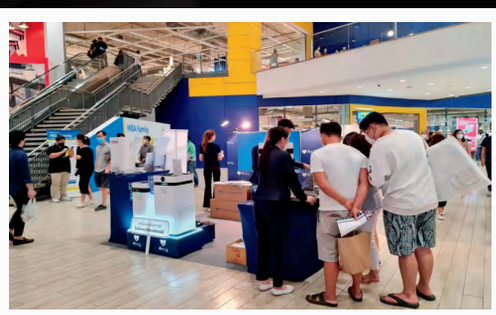
Airdog's Global Presence

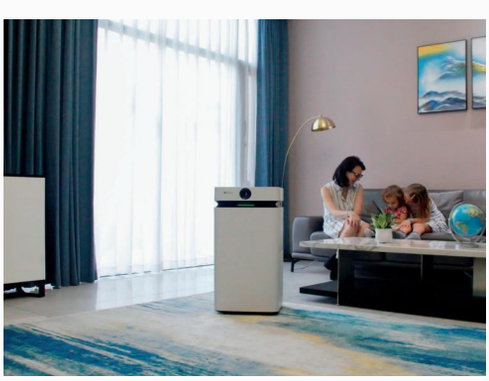
We are proud to be serving users in 90+ countries worldwide











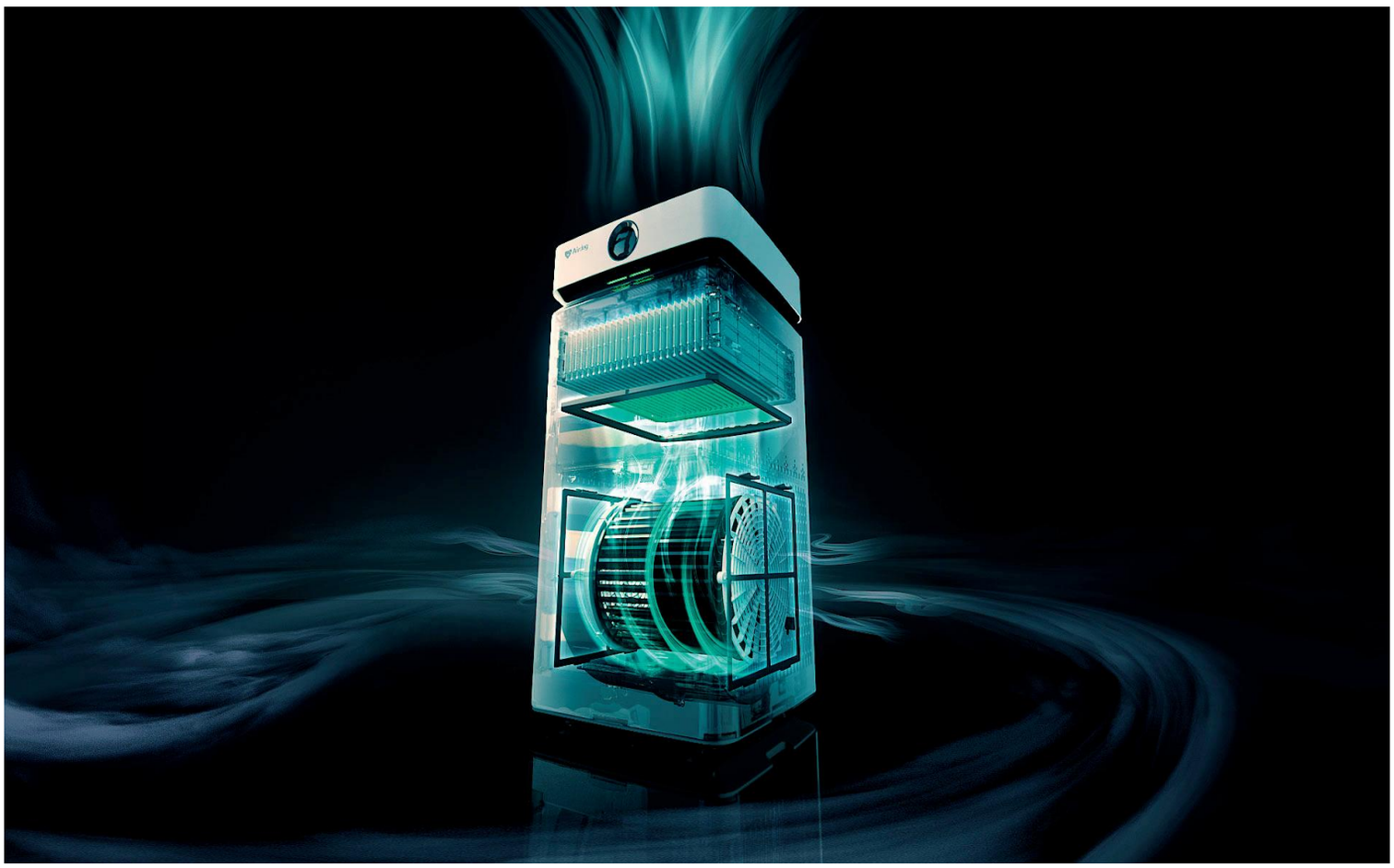




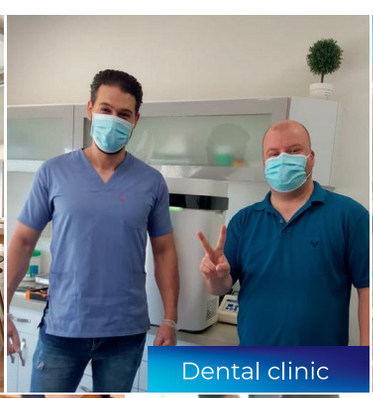




Airdog
Breathe different




University


Dental clinic


Primary school


Pet shop


Office


Restaurant


Hospital

TPA® FILTRATION TECHNOLOGY

Beyond traditional HEPA filtration technology, Airdog's patented TPA technology is tested worldwide as the ultimate clean air solution

1. Active filtration: inactivates 99.9% of flu viruses and bio-aerosols;
2. Washable solution: eliminates the wasteful filters;
3. Effective filtration removes particles down to nanometers.

Highly Efficient

Viruses · Fungus · Germs · Pollen · Dust · Formaldehyde

Mite · Dander · PM2.5 · Smoke · TVOCs · Odor

- 99.9% removal of indoor smoke.
- 99.9% removal of flu viruses and bioaerosols.
- 99.9% removal of PM2.5 and ultra-fine particles down to 14.6nm.
- 99.9% removal of total volatile organic compounds (TVOCs).

Journey to Clean Air



Step 5
Catalyst Filter
The final step in the purification process removes unpleasant odors keeping your air fresh and pure.

Step 4
Collecting Plate
Charged particles stick to the collecting plates to remove dangerous toxins from the air.

Step 3
Ionic Field
Annihilates bacteria and germs. Charged particles are destroyed.

Step 2
Wire Frame
Creates an Electro Field that zaps dangerous particles that would be traveling into our lungs.

Step 1
Pre-Filter Screen
Air flows from the bottom and into the Pre-Filter Screen to collect hair, pet dander, etc.

Highlights

Ultra-Fine Particles
Removal of ultra-fine particles down to 0.0146 microns! Comparing to an average HEPA's 0.3 microns limit, Airdog is 20x the performance

Waste-Free Design
Washable, reusable, and sustainable filters

User-Friendly Controls
One button for everything

Smart/Auto Mode
Auto-adjusts fan speed and airflow volume according to the AQI levels

Quiet Operation
Optimized design for maximum aerodynamics and minimum noise

World-Class Standards
Airdog's performance was rigorously tested in renowned and trusted labs

Eco-Friendly
No more throwing non-degradable HEPA filters in the landfill, helping our planet one step at a time

Ozone Safe
EPA-compliant and California Air Resource Board (CARB) certified for Ozone safety



Airdog X Series

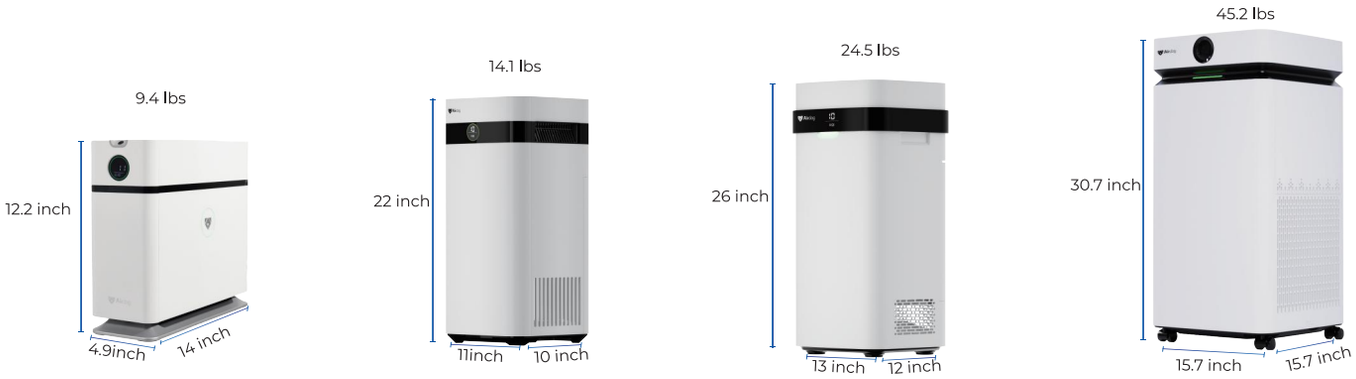
Flagship product line. Upgraded design and user experience. From compact spaces with the X1D to the professional/high performance X8D,the X series will address all your clean air needs.

<< FEATURES

- High Performance
- Washable Filters
- Cleans down to 14.6nm
- Real-time Data
- Low Noise
- Child Lock
- Easy Cleaning
- App Enabled (IOT) *Optional*

PRODUCT SPECS >>

	Airdog X1D	Airdog X3D	Airdog X5D	Airdog X8D
Applicable Area	100ft² / 10 m²	215 ft² / 20 m²	400 ft² /40 m²	1000 ft² / 100 m²
CADR PM2.5 Particle	120 CFM / 100 m³/h	135 CFM / 230 m³/h	220 CFM / 380 m³/h	588 CFM / 1000 m³/h
CCM Particle	P4	P4	P4	P4
Net Weight	9. 4 lbs to 4.25Kg	14.1 lbs to 6.4 kg	24.5 lbs to 11.1 kg	45.2 lbs to 20.5 kg
Noise Level	≤59.5 dB(A)	≤58 dB(A)	≤63 dB(A)	≤63 dB(A)
Power Supply	20 Watts	27 Watts	55 Watts	100 Watts
Ozone	≤10 ppb(Standard:50 ppb)	≤10 ppb(Standard:50 ppb)	≤10 ppb(Standard:50 ppb)	≤10 ppb(Standard:50 ppb)





AirCap

The world's smallest yet powerful washable clean air purifier. Bringing you safe and fresh air on the go!

<< FEATURES

- High Efficiency
- Ideal for Car Use
- Adjustable Air Volume & Direction
- Portable & Cordless
- Battery Powered (optional)
- Fashionable & Innovative Design

PRODUCT SPECS >>



$CADR_{Partide}$	12.2 CFM / 20.8m^3/h
Ozone	26ppb
Noise	≤65 dB(A)
Size (in)	8.7(H)*2.9(D) / 22cm（H）*7.3cm（D）
Power	8 W
Input	DC 5V Car Charger







INNOVATION TPA TECHNOLOGY



Collecting Plate

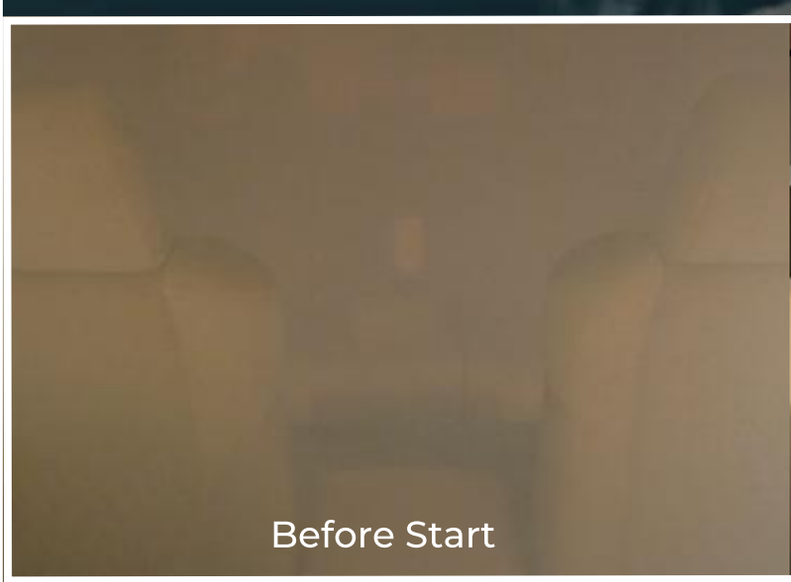
Kills bacteria & viruses
Remove PM 2.5, smoke, and allergens

Wire Frame

Create an electro field that zaps
and eliminates dangerous
particles traveling into our lungs

Pre-Filter Screen

Filtering out hair, dandruff,
and other large particles



Before Start



After AirCap 12mins Operation

NEW Series

Airdog Integrated Comfort Air System

- All-in-One Air Management
- Zero-Inspection Maintenance
- Fully Embedded, Aesthetic Design
- Ultra-Quiet Operation
- Lifelong Filtration with TPA Technology



Constant Humidity & Oxygen Control:

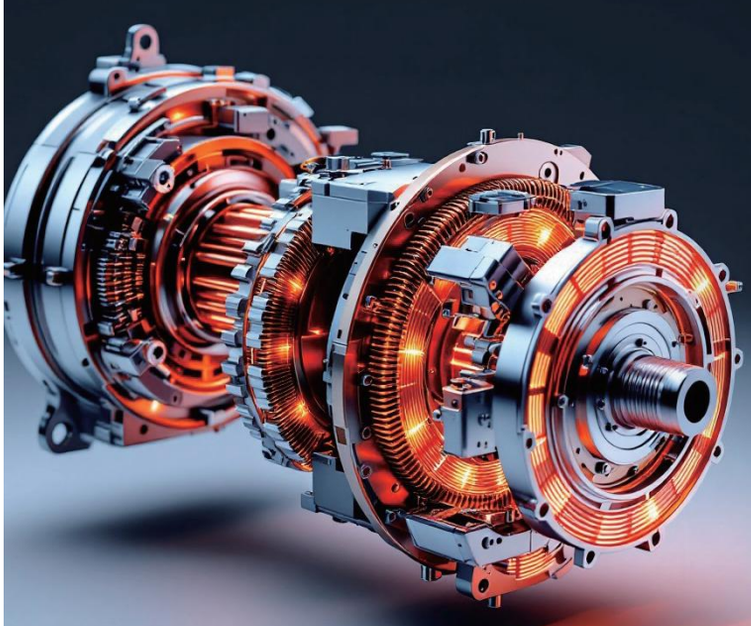
Maintains indoor humidity at 40–60%, automatically adjusting when needed. Uses high-temperature steam for hygienic humidification with 99.9% microbial reduction.

Smart monitoring keeps CO_2 below 750ppm with ≤10% variance. 600m^3/h fresh air flow ensures oxygen-rich, refreshed indoor air—supporting healthier breathing.

Breathe Pure, Live Fresh

Experience advanced purification with patented TPA tech—removing PM2.5, formal dehyde, TVOCs, allergens, and viruses. 14.6nm-level filtration refreshes your air up to 8 times/hour for truly healthy breathing.

Dust Mites 99%	H1N1 Virus 99.99%	COVID-19 99.99%	Pneumococcus 99.99%
Klebsiella 99.99%	S. aureus 99.99%	A. niger 99.9%	HSV 99.99%
S. epidermidis 99.99%	E. coli 99.99%	Zoster Virus 99.9%	Airborne Bacteria 99.83%



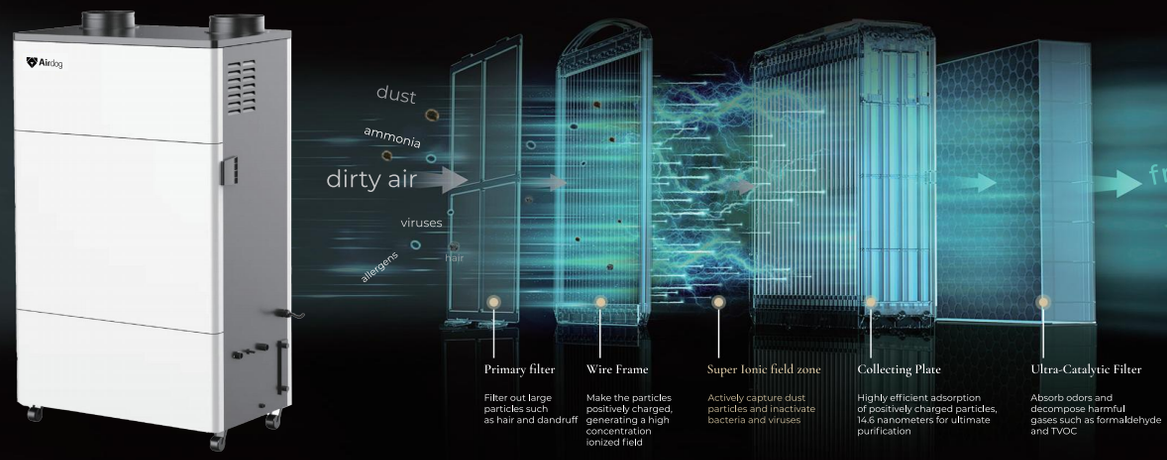
Smarter Motor, Lower Energy Use

Featuring a premium inverter motor, consumes just 0.3 kWh to reduce humidity from 80% to 50%RH. 10% more efficient than conventional motors.

The ultra-light DC variable frequency motor saves 30% more energy, ensuring stable operation and quieter performance.

NEW Model

Airdog Integrated Indoor Comfort Air System



The system is a breakthrough in home air management. Designed for total comfort, it adapts to each family member's needs while combining air purification, fresh air exchange, dehumidification, and humidification all in a seamless, fully embedded design with zero-intrusion maintenance.

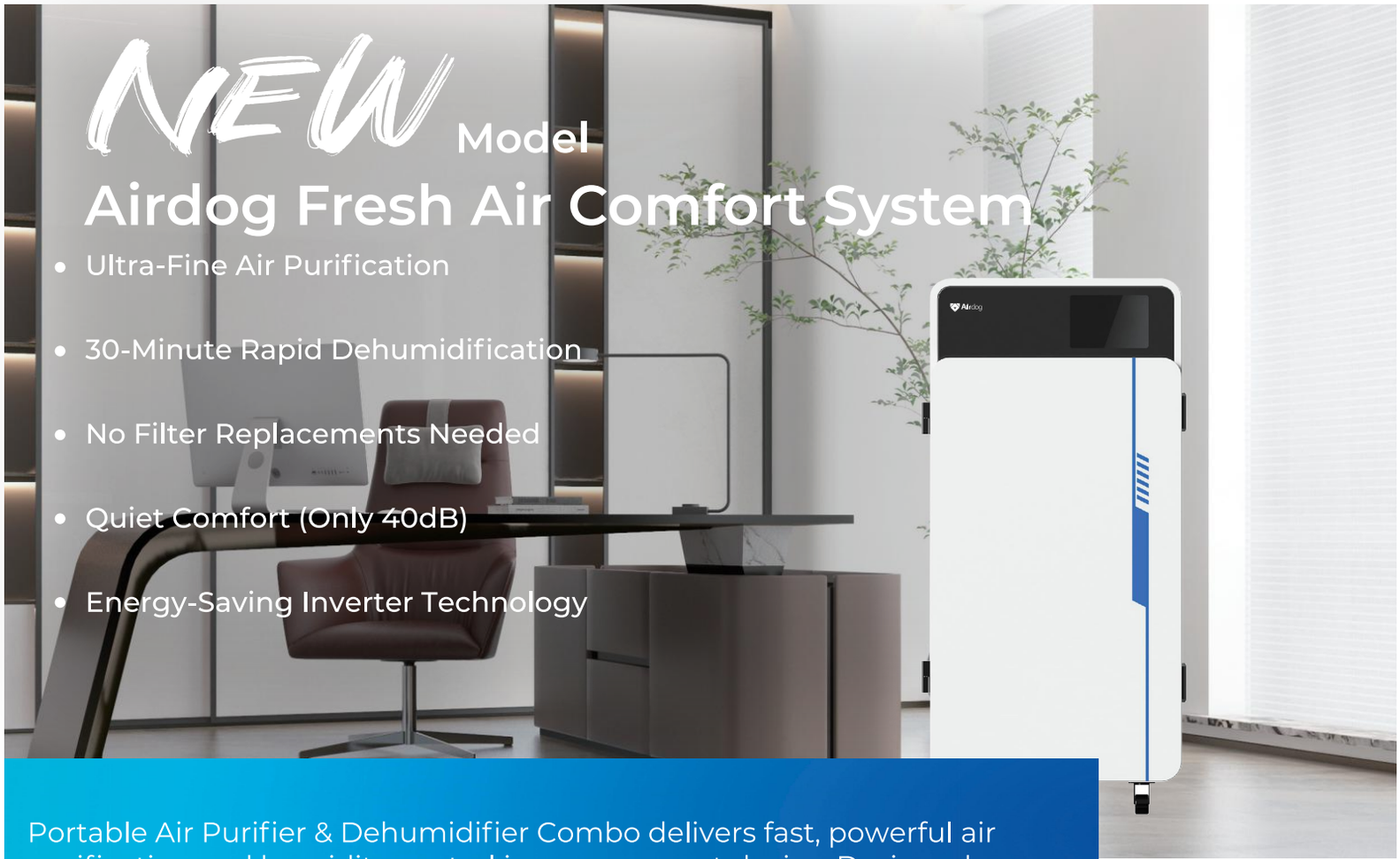
<< FEATURES

- Air Purification
- Humidity Control
- Fresh Air Circulation
- Oxygen Content Management
- 14.6nm-Level Purification
- Real-time Data
- Mobile
- Quiet Operation
- Space-Saving Design
- Lifelong Filtration
- Intelligent App Remote Control
- AI-Powered Smart Panel

PRODUCT SPECS >>



Measurement(mm)	1180×700×406
Air Circulation(m^3/h)	350
Rated Power (W)	150
Maximum fresh air volume(m^3/h)	350
Maximum dehumidification power(W)	950
Humidification capacity(32C/40%RH)	1.5kg/h (wet membrane humidification)
Dehumidification capacity(30C/80%RH)	50L/D
Static Pressure(Pa)	180
Noise(dB(A)	48
Weight(kg)	98



NEW Model
Airdog Fresh Air Comfort System

- Ultra-Fine Air Purification
- 30-Minute Rapid Dehumidification
- No Filter Replacements Needed
- Quiet Comfort (Only 40dB)
- Energy-Saving Inverter Technology

Portable Air Purifier & Dehumidifier Combo delivers fast, powerful air purification and humidity control in one compact device. Designed for rooms up to 100m², Offers whisper-quiet operation, energy efficiency, and nanometer-level filtration—perfect for modern, healthy living without the need for filter replacements.

<< FEATURES

- Premium Inverter Motor
- Super Fast Dehumidification
- Wide Coverage Area
- Removes PM2.5, TVOC & Viruses
- 14.6nm-Level Purification
- Real-time Data
- Mobile
- Ultra-Quiet Operation
- 10% More Energy Efficient
- Advanced TPA Filtration
- Intelligent App Remote Control
- AI-Powered Smart Panel

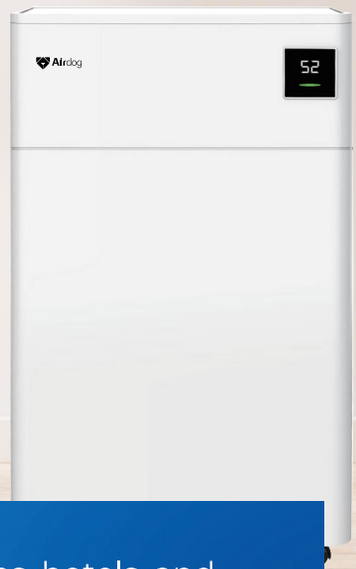
PRODUCT SPECS >>



Air circulation volume (m³/h)	350
Dehumidification Capacity (30C/80%RH)	50L/D
Rated Power (W)	150
Maximum Dehumidification Power (W)	850
Weight (kg)	48
Noise (dB(A)	40
Dimensions (mm)	1100×450×415
Drainage Method (The moisture collected by the dehumidifier)	Auto Pump Drainage

NEW Model
Airdog D25 Smart Dehumidifier

- High-Capacity Dehumidification
- Eco-Friendly Refrigerant (R290)
- Smart Humidity Control & Timer
- App Control + Multi-Language Support
- Modern, Easy-Care Design



It's a high-capacity portable dehumidifier ideal for homes, hotels, and commercial spaces. Engineered with intelligent humidity control and safety-first R290 refrigerant, delivers excellent moisture removal—up to 25L/day—with quiet efficiency and multi-functional control. Its sleek, compact design and large 5.5L tank make it perfect for both style and performance in indoor air comfort.

<< FEATURES

- Adjustable Humidistat
- 5.5L Large Water Tank
- Automatic Defrost
- Child Lock Function
- Multiple Modes
- Continuous Drainage Port
- Wi-Fi App Control
- Dual Fan Speeds

PRODUCT SPECS >>



Dehumidifying Capacity	16-25L/day
Rated Power(W)	320
Water Tank Capacity(L)	5.5
Noise Level	≤ 45dB(A)
Control Type	Mechanical with LED Display, App Control
Refrigerant	R290/R134a(Eco-friendly, 60g max)
Drainage Option	Removable Tank + Continuous Drain Port
Applicable Area	Up to 200 sq. ft.
Product Dimensions	350x200x600 mm

NEW Model

Airdog D12 Compact Dehumidifier

- High-Performance Dehumidification
- Eco-Friendly & Energy Efficient
- Multi-Mode Functionality
- Quiet Operation
- Compact Design



It's an energy-efficient portable dehumidifier designed for modern homes and offices. Powered by environmentally friendly R290 refrigerant, efficiently removes excess moisture to create a healthier and more comfortable indoor environment. With a user-friendly control panel and multiple smart functions, it's your go-to solution for humidity control, laundry drying, and air purification.

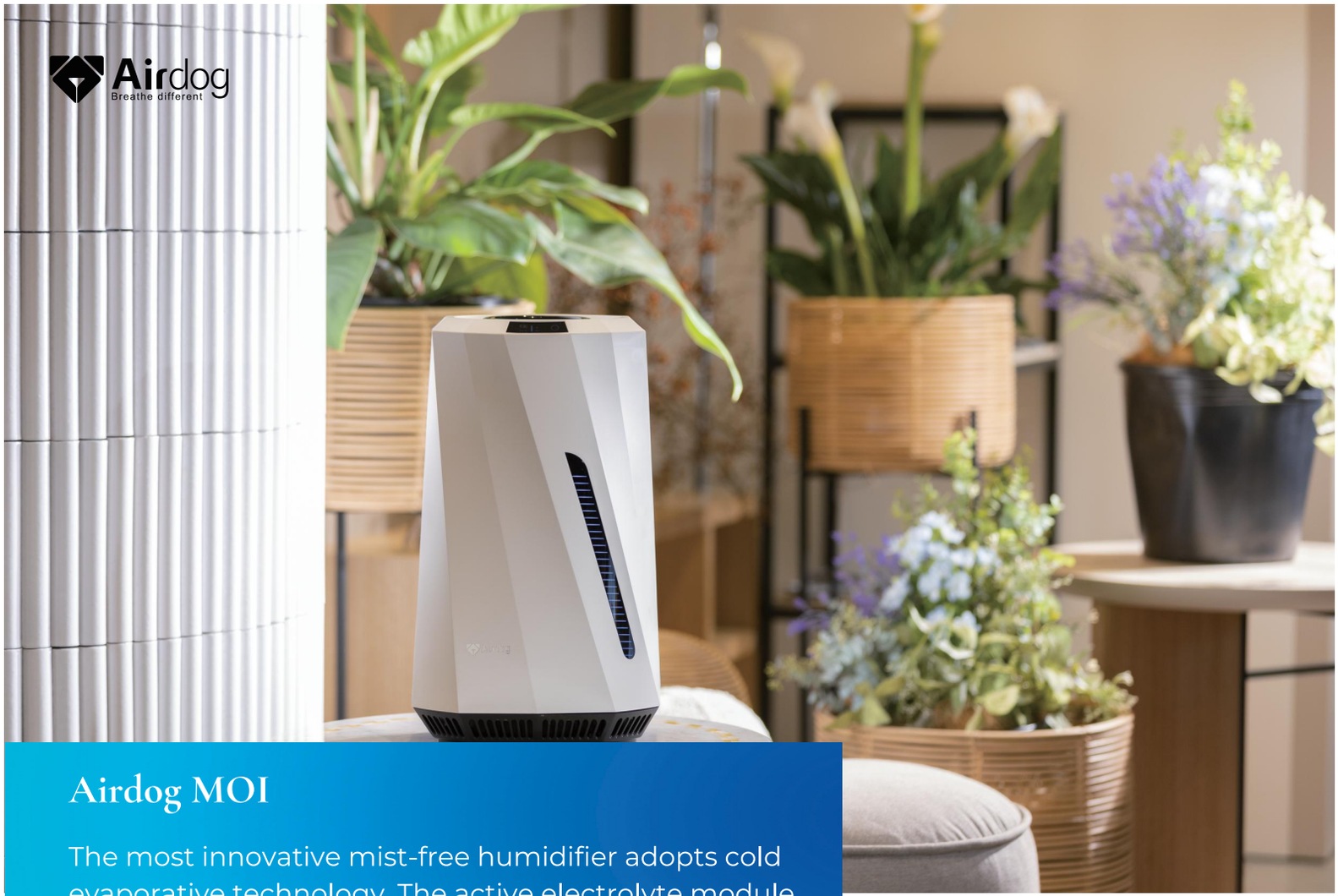
<< FEATURES

- Adjustable Humidistat
- 2.1L Water Tank
- Low Temperature Protection
- Child Lock Function
- Sleep Mode
- Continuous Drainage Port
- Timer Function
- Air Purification Mode

PRODUCT SPECS >>



Maximum Dehumidification	12L/day
Rated Power(W)	220W(27°C,RH 60%)
Maximum Power	300W(30°C,RH 80%)
Water Tank Capacity	2.1L
Air Volume	100m³/h
Noise Level	36 dB(A)
Refrigerant	R290/40g
Dimensions(WxDxH)	280x185 x482 mm
Applicable Environment	5°C-32°C



Airdog MOI

The most innovative mist-free humidifier adopts cold evaporative technology. The active electrolyte module provides you with bacteria/mold-free clean, moisturized air. Best of all, the filters are washable!

<< FEATURES

- Mist-Free
- Washable Filters
- Anti Bacteria/Mold
- Odor Free
- One Button Operation
- Smart Mode
- Uniform Airflow
- Natural & Healthy Moisturization

PRODUCT SPECS >>



Tank Capacity	3L
Humidifying Capacity	303ml/h
Rated Power (W)	18W
Rated Voltage	DC 24V
Weight (Kg)	2.8
Size (mm)	258 (L) * 246 (W) * 416 (H)



Mist-Free Cold Evaporative

- The most natural and healthy way to add moisture into the air
- Energy efficient
- No mist, no bacterial/mold concerns, only clean moisture

Patented "Shower Spray" Technology + Washable Filter

- Water is pumped up to the top of the filter ring and then rinsed to keep the whole filter fully saturated and ensure constant humidity levels.
- The filter is washable and reusable, which is eco-friendly and wallet-friendly

Active Electrolyte Module

- Effectively inactivates 99.99% of mold and bacteria, as well as eliminates odors

Multiple Operation Modes



Manual Mode L1-L4

Pre-set speed for each level



Purification Mode

40 mins to disinfect the water, clean the filter, and remove any oder



Drying Mode

Keep the fan running certain time to dry filter



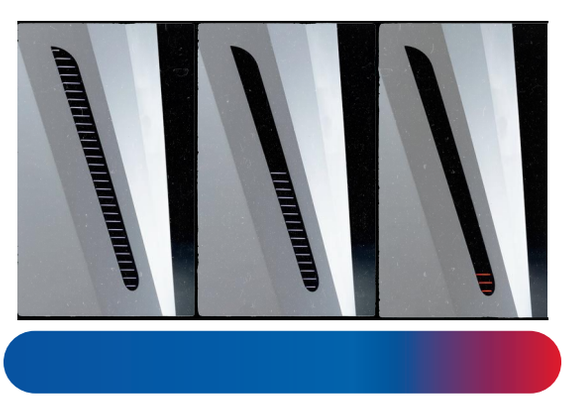
Smart Mode

Run automatically with a target

Easy and Touch-less Water Refilling



Real-time Water Level Display



Maximum — Minimum



Airdog SF3

Smart Air circulating Fan.
Effortless Comfort, Redefining Your Fresh Air Experience.

<< FEATURES

- Easy Control
- Powerful Airflow
- Ultra Quiet
- Smart Sensor
- Negative Ions
- Adjustable Height

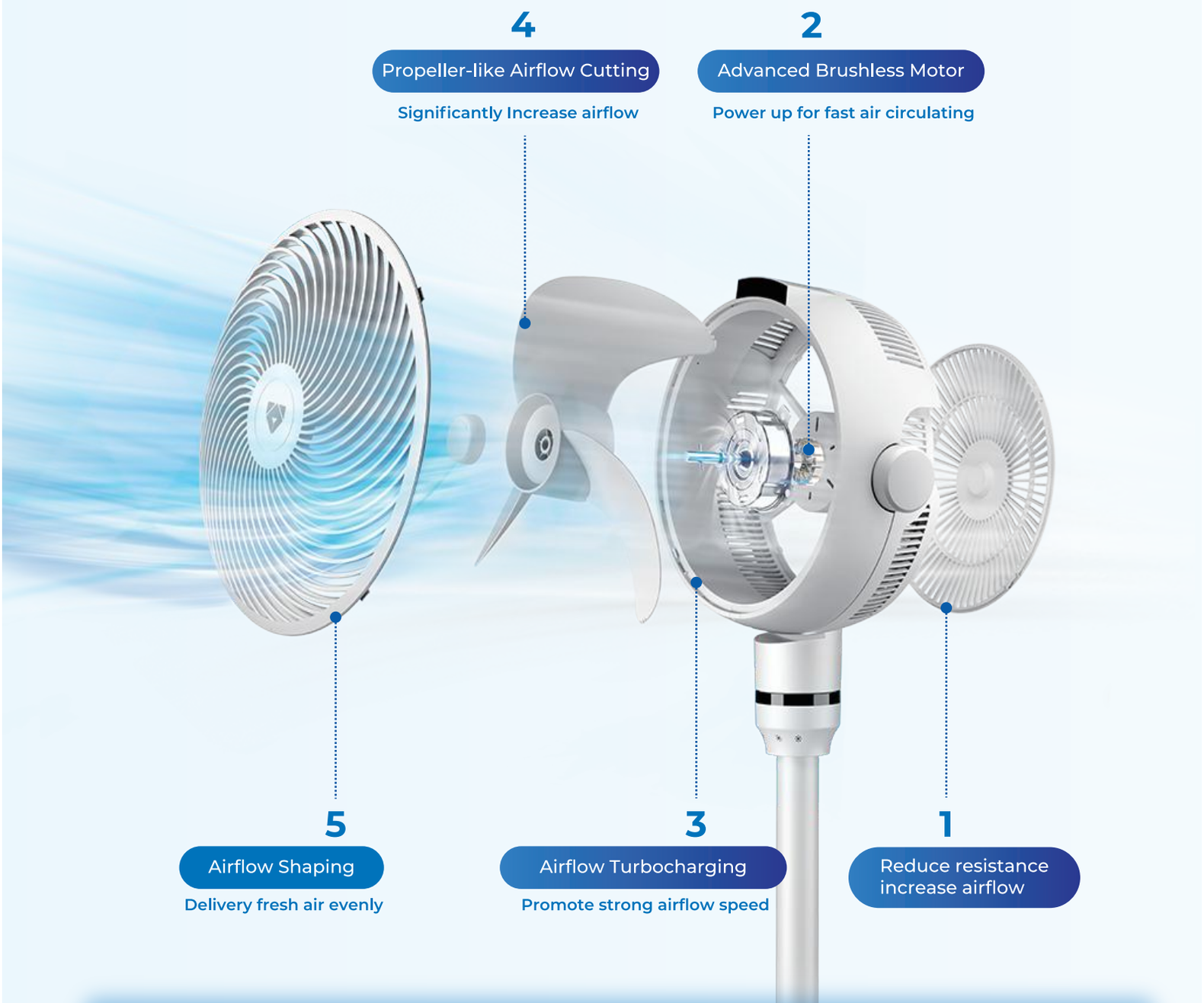
PRODUCT SPECS >>



Voltage	100-240V
Frequency	50-60HZ
Power	36W
Net Weight	4KG
Product Size（in）	12.6(L)* 13.8(W)*19.3-39.8(H)
Noise	≤60.7dB(A)
Max Air Volume	47.95 m^3/min
Mode	smart、natural、sleep、manual

5 Layers of Turbo Power

Powerful Airflow Covers Entire Roon





Airflow

47.95*

m^3/min

Reach up to

18m

m

Airdog
Breathe different



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