

1.0 Reference and Address			
Report Number	210825021SZN-001	Original Issued: 9-Sep-2021	Revised: 10-Aug-2022
Standard(s)	Electric Fans [UL 507:2017 Ed.10+R:27May2020]		
Applicant	Bote electric appliance (Guangdong) Co., Ltd	Manufacturer 1	Bote electric appliance (Guangdong) Co., Ltd
Address	5th floor, No.28, area 1, Sanlian Industrial Zone, Gulao Town, Heshan City, JIANGMEN, Guangdong	Address	5th floor, No.28, area 1, Sanlian Industrial Zone, Gulao Town, Heshan City, JIANGMEN, Guangdong
Country	CHINA	Country	CHINA
Contact	XIANGLIAN XU	Contact	XIANGLIAN XU
Phone	86-18675866318	Phone	86-18675866318
FAX	NA	FAX	NA
Email	XXL95001@126.com	Email	XXL95001@126.com

2.0 Product Description	
Product	Electric fans
Brand name	Simple Deluxe, HealSmart
Description	The products covered by this report are portable electric floor fans, rated 115 V, 60 Hz, intended for indoor, household use only, provided with a permanently connected flexible power supply cord terminated in a 3-pin grounding type attachment plug, NEMA Config 5-15P.
Models	HIFANXFLOOR24, HIFANXFLOOR24X2, HIFANXDRUM24, HIFANXDRUM24-A, HIFANXDRUM24X2, HIFANXDRUM24V3, HIFANXDRUM24X2V2, HIFANXDRUM30, HIFANXDRUM30X2, HIFANXFLOOR14PLATICEXP, HIFANXFLOOR18PLATICEXP, HIFANXFLOOR20PLATICEXP, HIFANXFLOOR14PLATICEXPV2, HIFANXFLOOR18PLATICEXPV1, HIFANXFLOOR20PLATICEXPV2, HIFANXFLOOR20PLATICEXP, HIFANXFLOOR16X2, HIFANXFLOOR16, HIFANXFLOOR14X2, HIFANXFLOOR14, HIFANXFLOOR20SHRO, HIFANXFLOOR18SHRO, HIFANXFLOOR20LITE, HIFANXFLOOR20B01, HIFANXFLOOR18B01, HIFANXDRUM20, HIFANXDRUM36, HIFANXDRUM42, HIFANXDRUM48", HIFANXDRUM54, HIFANXDRUM60, HIFANXDRUM2001, HIFANXDRUM2401, HIFANXDRUM3001, HIFANXDRUM3601, HIFANXDRUM4201, HIFANXDRUM4801, HIFANXDRUM5401, HIFANXDRUM6001, HIFANXDRUMSQ2001B, HIFANXDRUMSQ2401B, HIFANXDRUMSQ3001B, HIFANXDRUMSQ3601B, HIFANXDRUMSQ4201B, HIFANXDRUMSQ4801B, HIFANXDRUMSQ5401B, HIFANXDRUMSQ6001B, HIFANXVENTIL2401, HIFANXVENTIL3001, HIFANXVENTIL3601, HIFANXVENTIL4201, HIFANXVENTIL4801, HIFANXVENTIL5401, HIFANXVENTIL6001, HIFANXBOX20PLASTB, HIFANXBOX20PLASTW, BT-FL10A, BT-FL10B, BT-FL12A, BT-FL12B, BT-FL14A, BT-FL14B, BT-FL16A, BT-FL16B, BT-FL18A, BT-FL18B, BT-FL20A, BT-FL20B, BT-FL24A, BT-FL24B, BT-FL30A, BT-FL30B, BT-FL36A, BT-FL36B, BT-FL42A, BT-FL42B, BT-FL48A, BT-FL48B.
Model Similarity	All models are identical with each other except the model name and appearance (for color only).
Ratings	115 VAC, 60 Hz, 170 W.
Other Ratings	NA

3.0 Product Photographs

Photo 1 - External View

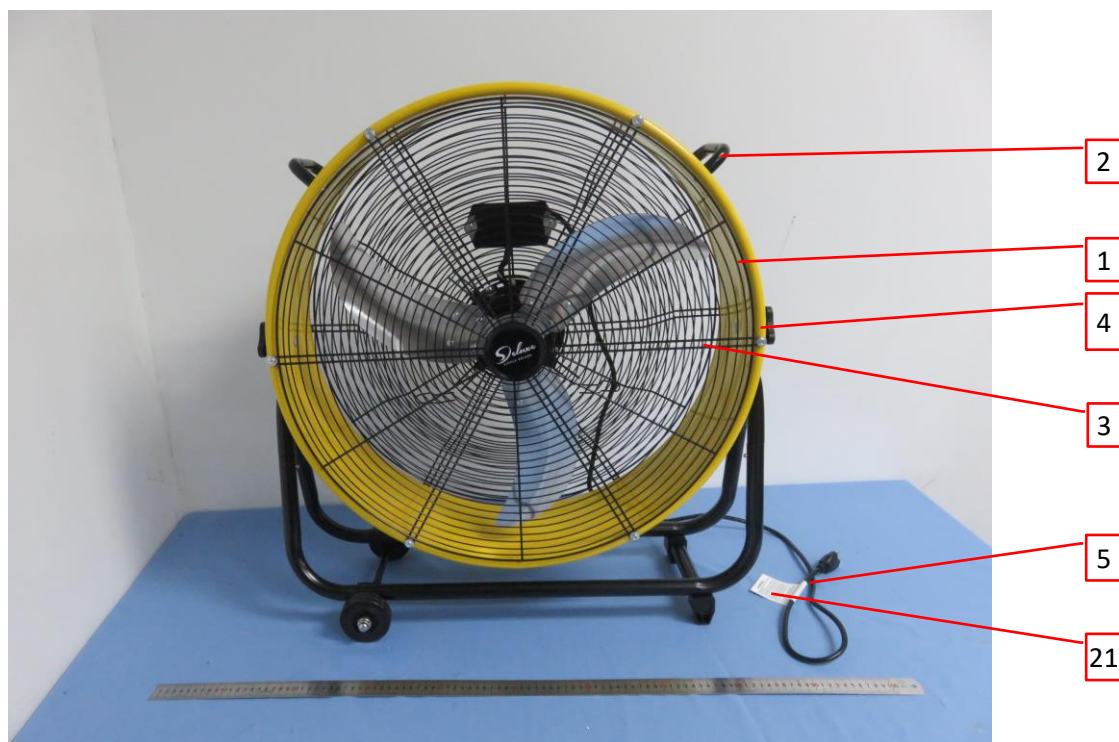
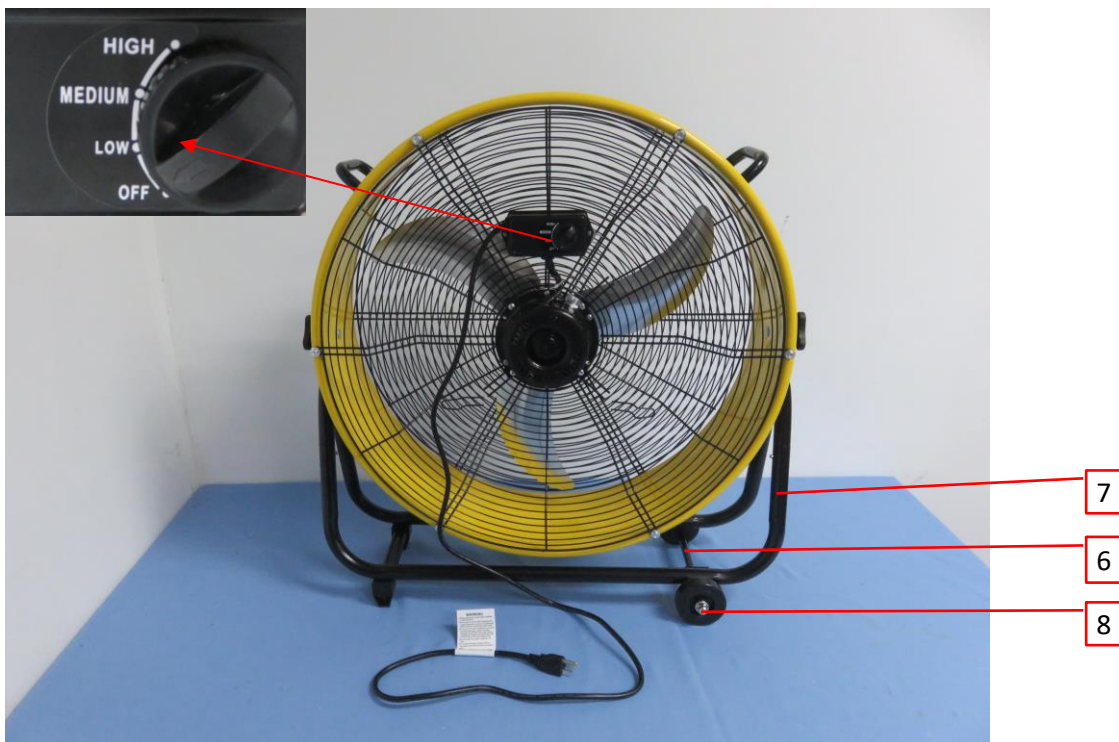


Photo 2 - External View



3.0 Product Photographs

Photo 3 - External View



Photo 4 - External View



3.0 Product Photographs

Photo 5 - External View



Photo 6 - External View



3.0 Product Photographs

Photo 7 - External View

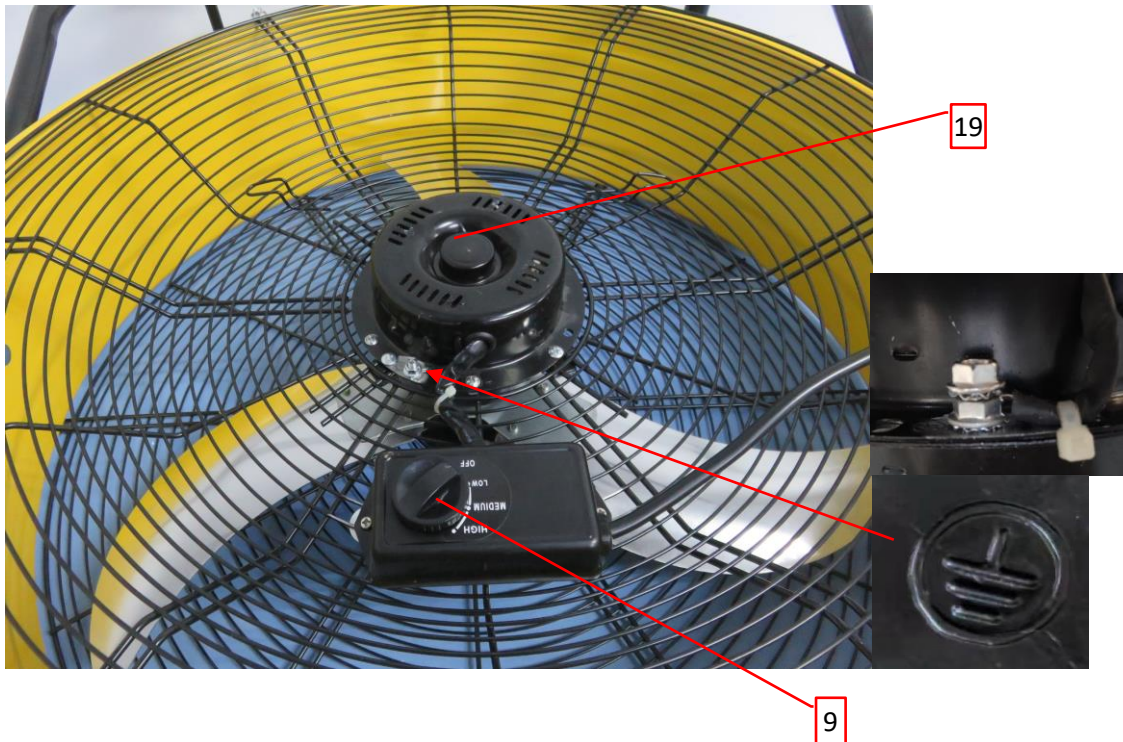


Photo 8 - Internal View



3.0 Product Photographs

Photo 9 - Internal View

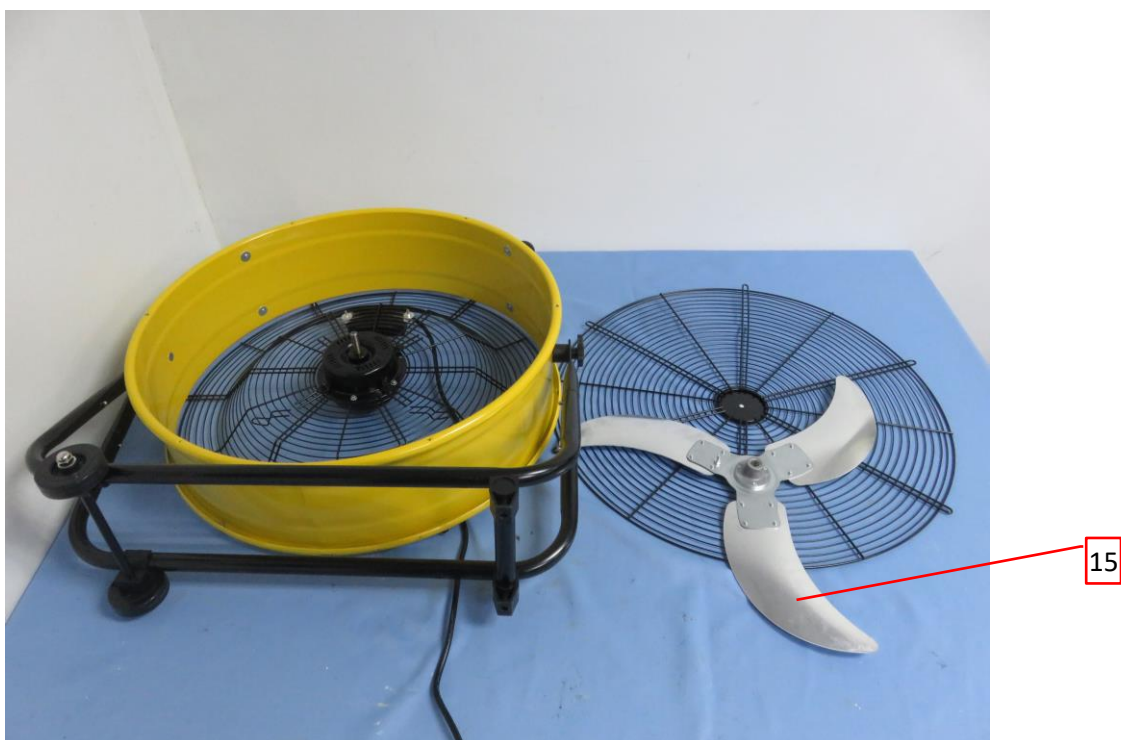
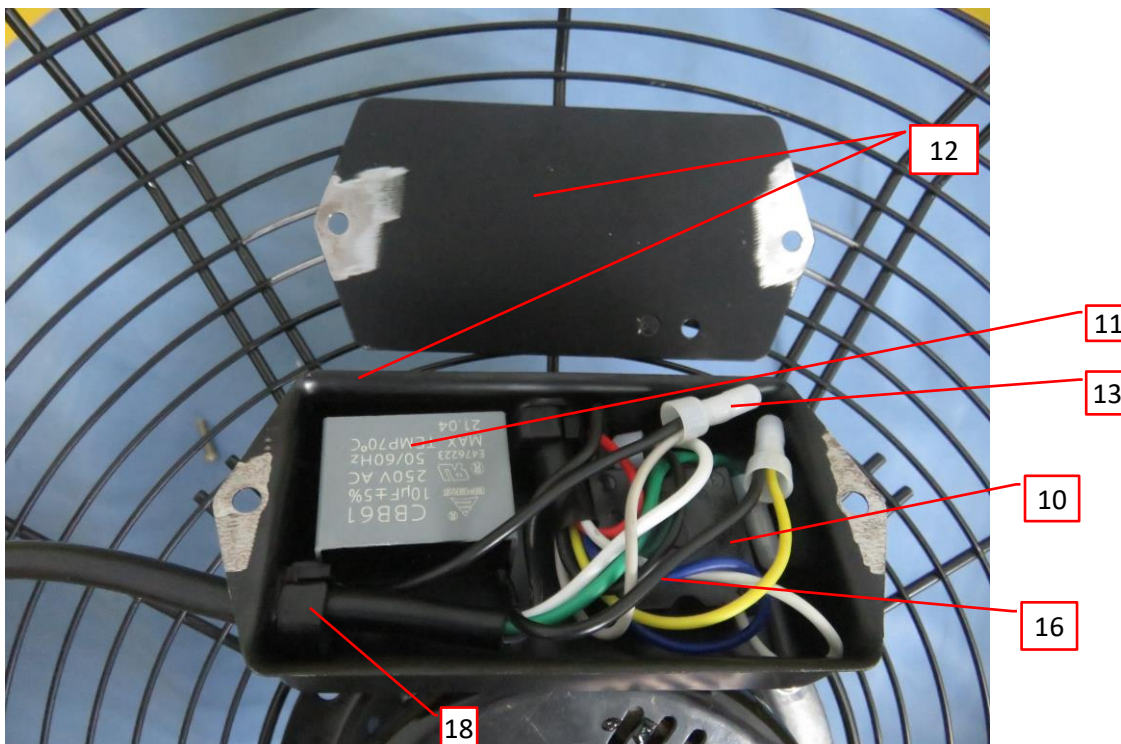


Photo 10 - Internal View



3.0 Product Photographs

Photo 11 - Internal View for motor

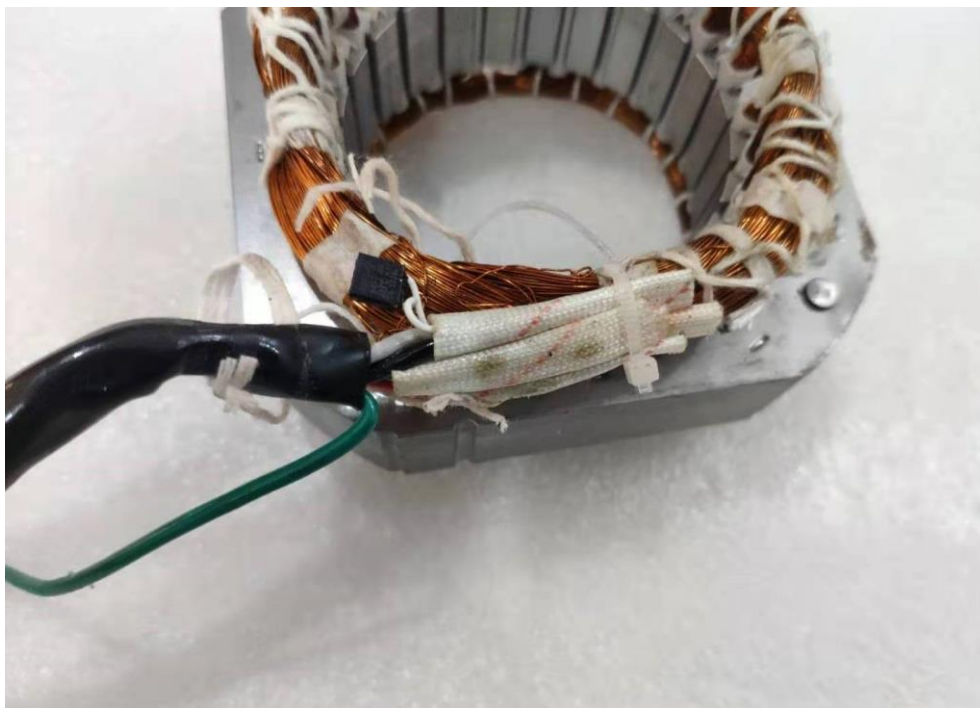


Photo 12 - Internal View for motor



3.0 Product Photographs

Photo 13 - Internal View for motor



4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
1	1	Drum Body	Various	Various	Painted metal, measured thickness 1.0 mm, diameter 675 mm, length 185 mm. Secured to the holder by lock nuts.	NR
1	2	Handle	Various	Various	Min. thickness 1.2 mm. Secured to body by screws. Two pcs provided.	NR
1	3	Front and Grid	Various	Various	Painted steel wire, woof wires diameter 2.0 mm, maximum spacing between two woof wires are 10.5 mm, overall diameter 672 mm. Welded with 6 single and 6 double longitude wires for strengthening, measured diameter 3.3 mm. Secured to drum by screws.	NR
1	4	Lock Nut	HANWHA TOTAL PETROCHEMICAL Co Ltd	BJ750+	PP, all color, HB, 65 °C, min. thickness 1.5 mm. 2 pcs provided.	UR
1	5	Power Cord Set	Various	SJT-R	18 AWG×3C, 105 °C, 300 V, VW-1, length 1.5m – 3.0m, terminated in a 3-wire grounding type attachment plug, 5-15P. Provided with a removeable fuse cover with an UL recognized fuse that rated 5 A.	UR
2	6	Wheel connection rod	Various	Various	Painted metal, measured diameter 12 mm. Fixed to wheel	NR
2	7	Holder	Various	Various	Painted metal, measured thickness 0.7 mm, diameter 25 mm, height 410 mm. Secured to body by lock nuts. 2 pcs provided.	NR
2	8	Foot Pad	HANWHA TOTAL PETROCHEMICAL Co Ltd	BJ750+	PP, all color, HB, 65 °C, min. thickness 1.5 mm. 2 pcs provided. Fixed to the holder by screws.	UR
7	9	Knob	HANWHA TOTAL PETROCHEMICAL Co Ltd	BJ750+	PP, all color, HB, 65 °C, min. thickness 1.5 mm. Snapped fixed to the shaft of switch.	UR
10	10	Switch	ZHONGSHAN XIAOLAN YONGJIANG PLASTIC ELECTRICAL PLANT	GZS-6	125 VAC, 5 A, 10 K cycles, 55 °C, Secured to the electrical box by a nut.	UR

4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
10	11	Motor capacitor	FOSHAN SHUNDE HONGYE ELECTRICAL APPLIANCE CO LTD	CBB61	10 µF, 250 V, 70 °C. Fixed to the electric box by adhesive.	UR
			ZHONGSHAN EPERS ELECTRICAL APPLIANCES CO LTD	CBB61	10 µF, 250 V, 70 °C. Fixed to the electric box by adhesive.	UR
			SMILER ELECTRONIC INDUSTRIAL CO LTD	CBB61	10 µF, 250 V, 70 °C. Fixed to the electric box by adhesive.	UR
10	12	Electrical Box	Various	Various	Painted metal, measured thickness 0.7 mm. The cover and electrical box secured together to rear guard by screws and nuts with lock-washers.	NR
10	13	Closed-end Connector	Various	Various	All color, 300 V, 105 °C, V-2. Suitable for 18-24 AWG wire range and clamped with proper tools.	UR
13	14	Cable Tie (not shown)	Various	Various	At least 60 °C. Used for fixed wires in position.	UR
9	15	Fan blade	Various	Various	Aluminium alloy, provided with 3 pcs blade which fixed to the metal hub (measured thickness 2.8 mm) by riveting way, measured thickness 1.8 mm, Secured to the shaft of motor by a screw. Refer to Illustration 7 for assembly drawing.	NR
10	16	Internal wire	Various	1015	Rated VW-1, 105°C, 600V, Min. 20AWG for switch, motor and motor capacitor. Green color for earthing wire.	UR
7	17	Earthing terminal (not shown)	Various	Various	Corrosion resistant metal, consisted of un-loosen ring and earthing screw, min. 4.8mm diameter for earthing screw.	NR
10	18	Strain Relief Means	HEAVY POWER CO LTD	6N-4	Suitable for SJT-R, 18 AWG*3, or used for fixing the interconnection wires.	UR
7	19	Motor	Bote electric appliance (Guangdong) Co., Ltd	HJ-24ID	120 VAC, 60 Hz, 170 W. class A. Secured to rear guard by screws and nuts. Refer to Illustration 6 for assembly drawing.	See 5.0
1	20	Making label (not shown)	Various	Various	At least 80 °C, suitable for painted metal. Affixed on the drum.	UR
1	21	Cord tag	Various	Various	Suitable for 18AWG, SJT-R flexible cord, rated at least 60°C.	UR

4.0 Critical Components

Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
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NOTES:

- 1) Not all item numbers are indicated (called out) in the photos, as their location is obvious.
- 2) "Various" means any type, from any manufacturer that complies with the "Technical data and securement means" and meets the "Mark(s) of conformity" can be used.
- 3) Indicates specific marks to be verified, which assures the agreed level of surveillance for the component. "NR" - indicates Unlisted and only visual examination is necessary. "See 5.0" indicates Unlisted components or assemblies to be evaluated periodically refer to section 5.0 for details.

5.0 Critical Unlisted CEC Components

INSULATED COIL

Photo #	Item no.	Name	Manufacturer/Trademark	Type / model
7	19	Motor	Bote electric appliance (Guangdong) Co., Ltd	HJ-24ID
Electrical Rating: 120 VAC, 60 Hz, 170 W.				Insulation class A
Component Standard used:		UL 1004-1:2012 Ed.2+R:05Nov2020 UL 1004-3:2015 Ed.2+R:31Jan2018		

MATERIALS LIST (refer to illustration 6 for assembly drawing)

Component	Manufacturer	Type/model	Dimensions/thickness/assembly information
Housing	Various	Various	Painted metal, measured thickness 1.2 mm.
Tube	Various	Various	PVC, rated 600V, 105°C, VW-1.
Magnet wire	WUZHOU TOREAL COPPER CO LTD	QA-2/155	Rated 155°C. Main winding: $\Phi=0.43\text{mm}$, $19\pm10\%\Omega$ at 25°C ambient. Aux. winding: $\Phi=0.35\text{mm}$, $21\pm10\%\Omega$ at 25°C ambient.
Thermal cutoff	DONGGUAN WANCHENG FUSE CO LTD	V3*	250V, 2A, 130°C.
	ZHANGZHOU AUPO ELECTRONICS CO LTD	A4	250V, 2A, 130°C.
Slot liners	JIANGSU YUXING FILM TECHNOLOGY CO LTD	6027	PET material, natural color, V-2, 105 °C, min. thickness 0.23 mm. Each extends minimum 2.4 mm above and below laminations.

WINDING(S) RESISTANCE

Winding Designation	Wire Size (AWG or mm ²)	Wire Type	Turns	Volts	Amps	DC resistance (Ω) +/- 10%:
Main winding	0.43	See above	219	NA	NA	19
Aux. winding	0.35	See above	195	NA	NA	21

VERIFICATION PROCESS

Frequency: Annual	Test Site: CEC	Number of samples to test: 1
Test Name	Test Parameters	
Winding resistance	See resistance per winding above.	
Dielectric Strength	Apply voltage Between	Test Voltage
	Live parts and dead metal parts	1240 V
		Test Time
		60 S

6.0 Critical Features

Recognized Component - A component part, which has been previously evaluated by an accredited certification body with restrictions and must be evaluated as part of the basic product considering the restrictions as specified by the Conditions of Acceptability.

Listed Component - A component part, which has been previously Listed or Certified by an accredited Certification Organization with no restrictions and is used in the intended application within its ratings.

Unlisted Component - A part that has not been previously evaluated to the appropriate designated component standard. It may also be a Listed or Recognized component that is being used outside of its evaluated Listing or component recognition.

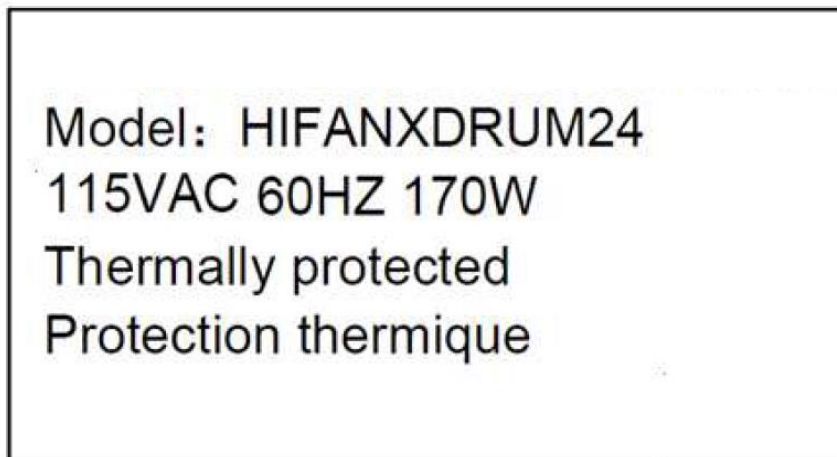
Critical Features/Components - An essential part, material, subassembly, system, software, or accessory of a product that has a direct bearing on the product's conformance to applicable requirements of the product standard.

Construction Details - For specific construction details, reference should be made to the photographs and descriptions. All dimensions are approximate unless specified as exact or within a tolerance. In addition to the specific construction details described in this Report, the following general requirements also apply.

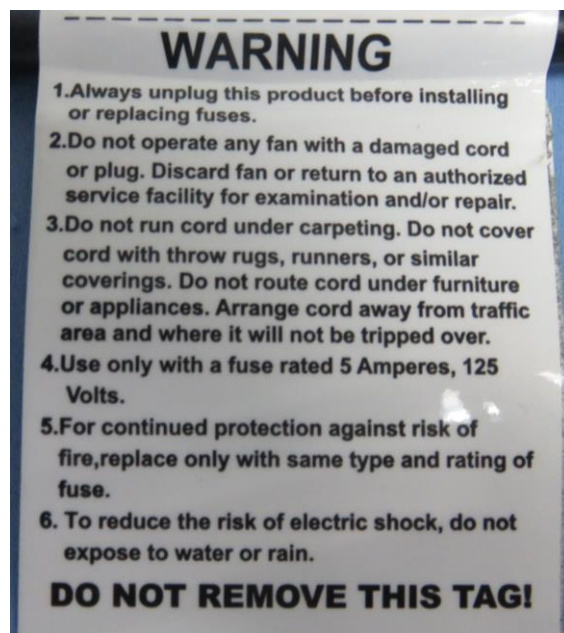
1. Spacing - In primary circuits, minimum 1.6 mm spacing are maintained through air and over surfaces of insulating material between current-carrying parts of opposite polarity, and minimum 1.6 mm spacing between current-carrying parts and dead-metal parts.
2. Mechanical Assembly - Components such as switches, fuseholders, connectors, wiring terminals and display lamps are mounted and prevented from shifting or rotating by the use of lockwashers, starwashers, or other mounting format that prevents turning of the component.
3. Corrosion Protection - All ferrous metal parts are protected against corrosion by painting, plating or the equivalent.
4. Accessibility of Live Parts - All uninsulated live parts in primary circuitry are housed within a metal enclosure constructed with no openings other than those specifically described in Sections 4 and 5.
5. Grounding - All exposed dead-metal parts and all dead-metal parts within the enclosure that are exposed to contact during any servicing operation and that are likely to become energized are reliably connected to grounding lead of the power supply cord.
6. Internal Wiring - Internal wiring is routed away from sharp or moving parts. Internal wiring leads terminating in soldered connections are made mechanically secure prior to soldering. Recognized Component separable (quick disconnect) connectors of the positive detent type, closed loop connectors, or other types specifically described in the text of this report are also acceptable as internal wiring terminals. At points where internal wiring passes through metal walls or partitions, the wiring insulation is protected against abrasion or damage by plastic bushings or grommets.
7. Markings - The product is marked on a labeling system as described in item No. 20 of section 4.0 as follows:
 - applicant's name or brand name
 - model number
 - date of manufacture
 - electrical ratings (volts, power & frequency)
8. Cautionary Markings - The following required:
Refer to Illustration 1 for layouts.
9. Installation, Operating and Safety Instructions - Instructions for installation and use of this product are provided by the manufacturer. Refer to Illustration 2-5 for details.

7.0 Illustrations

Illustration 1 - Rating Marking



Marking for appliance



Cord tag

Remark:

1. Date code was four letters indicates the manufacturing year and month, for example CBAI means 2021 August. Located on marking label.

A	B	C	D	E	F	G	H	I	J
0	1	2	3	4	5	6	7	8	9

2. The signal word "WARNING" shall be more prominent than any other word, shall be permanent, in capital letters not less than 2.4 mm high.

3. Cord tag should be attached to the product within 152.4 mm (6 inches) of the face of the attachment plug.

4. The brand name Simple Deluxe or HealSmart was marked on appliance.

5. The model name can be replaced by other models listed in this test report.

7.0 Illustrations

Illustration 2 - User Manual

PLEASE READ AND SAVE THIS INSTRUCTION.

Intended Use:

This product is intended for household and indoor use.

Use only with electrical wiring that is in good working order and that meets applicable codes and ordinances. If you have any questions whether your wiring is adequate, consult a qualified electrician.

While using your fan, you should follow the IMPORTANT INSTRUCTIONS listed below. As part of those instructions, we have used the word "WARNING" to indicate the level of hazard: WARNING indicates a hazard which, if not avoided, could result in injury or death.

IMPORTANT INSTRUCTIONS

As with all electrical appliances, basic safety precautions should always be followed to reduce the risk of electric shock, fire, or injury to persons, including the following precautions:

- Read all the instructions before using this fan.
- Use this fan only as described in this manual. Any other use not recommended by the manufacturer may cause electrical shock, fire or injury to persons.
- Do not operate the fan with a damaged power cord or after the fan malfunctions or has been dropped in any manner.
- Use of extreme caution is necessary when any fan is used by or near children, disabled persons or pets and whenever the fan is left operating unattended.
- Do not place the fan on a small, unlevel, uneven or any surface which might allow fan to tip or fall.
- For proper operation, fan should be placed on a smooth, non-combustible, level surface.
- Always unplug fan when not in use, when moving from place to place, when assembling or disassembling parts, and before cleaning.
- The use of attachments, not recommended or sold by the manufacturer, may cause hazards.
- Do not use outdoors.
- Do not use fan in window. Rain may cause electrical hazard (for non-window models).
- Do not operate the fan with blade guards or any safety device removed.
- Avoid the use of extension cords due to risk of fire. If an extension cord must be used, the cord must be minimum 14 AWG and rated not less than 1875 watts.
- Do not run power cord under carpeting. Do not cover cord with throw rugs, runners or the like. Arrange cord away from traffic area where it will not be tripped over.
- Do not insert or allow any object to enter any openings on the fan. Doing so may cause electric shock and/or fire hazard. Avoid contact with moving parts.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure they do not play with the appliance.

READ & SAVE THESE INSTRUCTIONS

⚠ WARNING: Shock Hazard

Use your fan only in dry environments. This fan is not intended for use in a bathroom, laundry area, or similar locations, or near sinks, washing machines, swimming pools or other sources of water. Never locate fan where it may fall into a bathtub or other water receptacle. Do not use in damp environments such as flooded basements.

⚠ WARNING: Hot Surfaces

Do not touch fan motor when in use. This motor is hot when in use, to avoid burns, do not let bare skin touch hot surfaces.

⚠ WARNING: Fire Hazard

Fans have arcing or sparking parts inside. Do not use near combustible materials or flammable gases or sources of heat. DO NOT USE in areas where gasoline, paint or flammable materials are used or stored. To prevent a possible fire, do not block air intakes or exhaust in any manner. Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock, fire, or damage the fan.

⚠ WARNING: Electrical Shock Hazard

Do not use with damaged cord or plug. Use with adequate electrical system that is up to code.

⚠ CAUTION: to Prevent Electric Shock, this product has a three prong grounded plug that must be inserted into a matching properly grounded outlet to reduce the risk of electrical shock. Do not attempt to defeat this safety feature.

⚠ WARNING: to Reduce the Risk of Fire or Electric Shock, do not use this product with any solid-state speed control device.

Usage:

Fan Operation: Always operate the fan in the upright position following all instructions and recommendations listed in this manual.

Fan Location: Place the fan in the area of the room that will provide proper fan cooling.

Fan Connection: Plug fan directly into 120 volt A.C., 60 Hz wall outlet. Be sure plug fits tightly in outlet. A loose connection may cause overheating and damage to the plug or fan.
NOTE: To prevent overloading a circuit, do not plug the fan into a circuit that is servicing other electrical needs.

Turning Fan On: Place fan on stable level surface. Plug fan into properly grounded outlet. To start the fan, turn the switch from the OFF position to the desired fan speed.

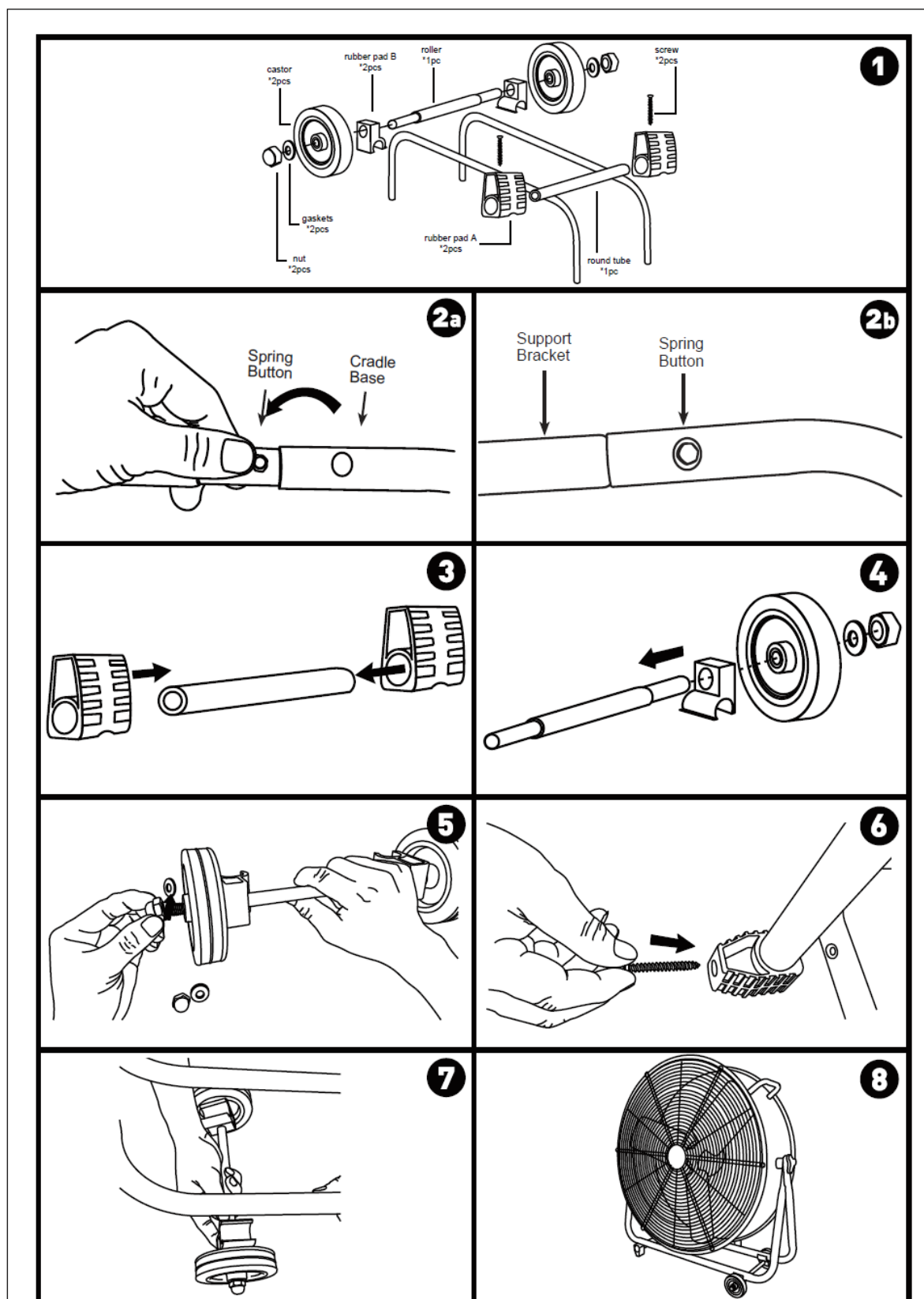
Turning Fan Off: To turn the fan off, turn the switch from the current fan speed setting to the off position. Remove plug from outlet.

Adjusting Fan Tilt: To adjust the tilt angle, use supplied knob wrench to loosen the adjustment screw. After adjustment, retighten the adjustment screw. Save knob wrench for future use.

7.0 Illustrations

Illustration 3 - User Manual

Fan Assembly



7.0 Illustrations

Illustration 4 - User Manual

m **WARNING:** **There is one small hole on each side of the two cradle bases. The two small holes should be kept inner side and at the same directions.**

m **WARNING:** **Castors must be installed before use.**

Care and Maintenance

Cleaning: CAUTION-Before cleaning the fan be sure to disconnect power cord from the plug. Clean the grille surface with a clean damp cloth. Do not use harsh chemical or abrasive cleaners. DO NOT IMMERSE THE FAN OR ANY WIRES IN WATER. Replace front grille before fan use. Allow fan to dry completely before use. Periodic grille cleaning with a vacuum will prevent dust build up. The motor is sealed and does not require any interior maintenance, cleaning or lubrication.

Maintenance: The Internal motor bearings are permanently lubricated at the factory and do not require any additional lubrication.

Repair: DO NOT OPERATE THE FAN WITHOUT THE GRILLE IN PLACE. DO NOT USE THE FAN IF IT HAS MALFUNCTIONED OR BECOME DAMAGED IN ANY WAY.

Storage: Keep original carton for storage of the fan. Coil and tie the power cord to avoid damage during storage.

7.0 Illustrations

Illustration 5 - User Manual

This product employs overload protection (fuse). A blown fuse indicates an overload or short-circuit situation. If the fuse blows, unplug the product from the outlet. Replace the fuse as per the user servicing instructions (follow product marking for proper fuse rating) and check the product. If the replacement fuse blows, a short-circuit may be present and the product should be discarded or returned to an authorized service facility for examination and/or repair.

Fuse Replacement:

1. Grasp plug and remove from the receptacle or other outlet device. Do not unplug by pulling on cord.
2. Open fuse cover by sliding open fuse access cover on top of attachment plug towards blades. See Fig. 2.
3. Remove fuse carefully. Use a small tool to pry the end of the fuse from holder cavity. Be careful not to break glass window.
4. Replace fuse. **WARNING: Risk of fire.** Replace fuse only with identical 2.5 or 5.0 Amp, 125 Volt fuse (3.6mm x 10mm). Be sure fuse is properly seated within its cavity.
5. Close fuse cover by sliding it back to its original closed position.



7.0 Illustrations

Illustration 6 - Drawing of motor

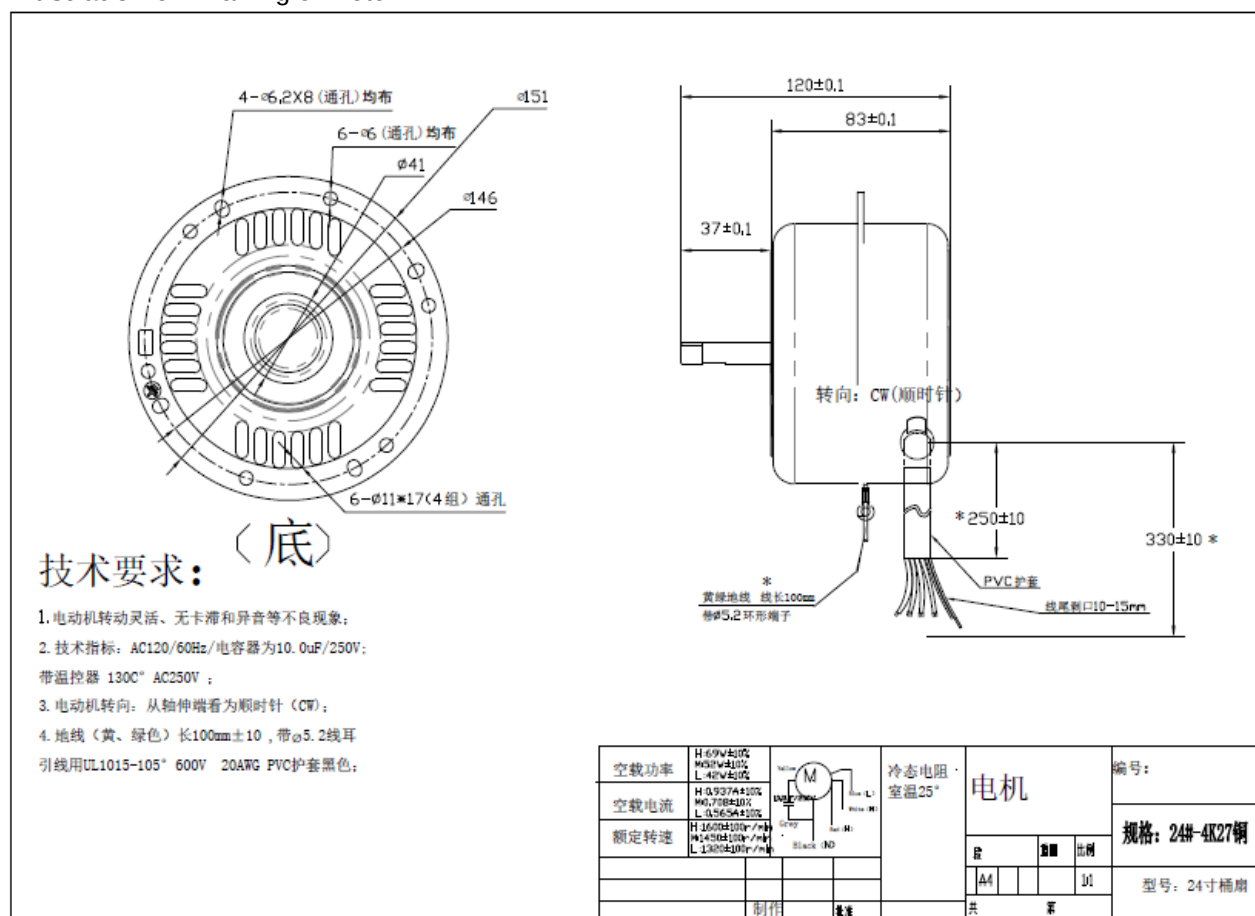
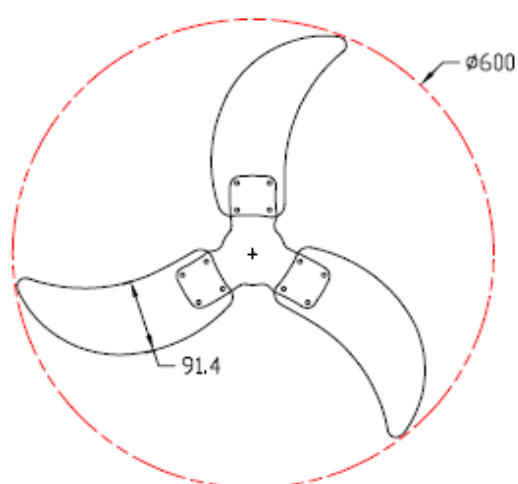


Illustration 7 - Drawing of Fan blade



24寸桶扇风叶

8.0 Test Summary					
Evaluation Period	2-Aug-2021 to 6-Sep-2021		Project No.	210825021SZN	
Sample Rec. Date	2-Aug-2021	Condition	Prototype	Sample ID.	Z210802047-001~003
Test Location	Intertek Testing Services Shenzhen Ltd. Longhua Branch (101, 201, Building B, No. 308 Wuhe Avenue, Zhangkengjing Community, GuanHu Subdistrict, LongHua District, Shenzhen, China)				
Test Procedure	Testing Lab				
Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.					
The following tests were performed:					
Test Description		UL 507 10th Ed.+R:27May2020/ Clause	UL 1004-1:2012 Ed.2+R:05Nov2020 & UL 1004-3:2015 Ed.2+R:31Jan2018/ Clause	--	
Leakage Current Test		41	--	--	
Continuity of Grounding Circuit Test		42	--	--	
Starting Current Test		44	--	--	
Input Test		45	--	--	
Temperature Test		46	--	--	
Dielectric Voltage Withstand Test		47	6	--	
Humidity Conditioning Test		53	--	--	
Strain Relief Test		54	--	--	
Interconnecting Cords and Leads		55	--	--	
Push Back Relief Test		57	--	--	
Oscillating Fan Test		58	--	--	
Tests of Switches and Controls		59	--	--	
Impact Test on Guards		61	--	--	
Static Force Test on Guards		62	--	--	
Fuseholder Cover Test		66	--	--	
Security of Handle Test		71	--	--	
Stability Test		72	--	--	
Lock-rotor Temperature Test		--	8	--	

8.1 Signatures			
A representative sample of the product covered by this report has been evaluated and found to comply with the applicable requirements of the standards indicated in Section 1.0.			
Completed by:	Jeffery Zhang	Reviewed by:	Justin Yang
Title:	Project Engineer	Title:	Sr. Project Engineer
Signature:	Signature on file	Signature:	Signature on file

9.0 Correlation Page For Multiple Listings

The following products, which are identical to those identified in this report except for model number and Listee name, are authorized to bear the ETL label under provisions of the Intertek Multiple Listing Program.

BASIC LISTEE	Bote electric appliance (Guangdong) Co., Ltd
Address	5th floor, No.28, area 1, Sanlian Industrial Zone, Gulao Town, Heshan City, JIANGMEN, Guangdong
Country	CHINA
Product	Electric fans

MULTIPLE LISTEE 1	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	
MULTIPLE LISTEE 1 MODELS	BASIC LISTEE MODELS

MULTIPLE LISTEE 2	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	
MULTIPLE LISTEE 2 MODELS	BASIC LISTEE MODELS

MULTIPLE LISTEE 3	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	
MULTIPLE LISTEE 3 MODELS	BASIC LISTEE MODELS

10.0 General Information

The Applicant and Manufacturer have agreed to produce, test and label ETL Listed products in accordance with the requirements of this Report. The Manufacturer has also agreed to notify Intertek and to request authorization prior to using alternate parts, components or materials.

COMPONENTS

Components used shall be those itemized in this Intertek report covering the product, including any amendments

LISTING MARK

The ETL Listing mark applied to the products shall either be separable in form, such as labels purchased from Intertek, or on a product nameplate or other media only as specifically authorized by Intertek. Use of the mark is subject to the control of Intertek.

The mark must include the following four items:

- 1) applicable country identifiers "US" and/or "C" or "US", "C" and "EU"
- 2) the word "Listed" or "Classified" or "Recognized Component" (whichever is appropriate)
- 3) a control number issued by Intertek
- 4) a product descriptor that identifies the standards used for certification. Example:

For US standards, the words, "Conforms to" shall appear with the standard number along with the word, "Standard" or "Std." Example: "Conforms to ANSI/UL Std. XX."

For Canadian standards, the words "Certified to CAN/CSA Standard CXX No. XX." shall be used, or abbreviated, "Cert. to CAN/CSA Std. CXX No. XX."

Can be used together when both standards are used.

If all standards on the ATM have the same standard title, the shared title or its abbreviation may be used in place of the examples above. Example: "Medical Electrical Equipment" or "MEE"; "Information Technology Equipment" or "ITE"; "Audio/Video Information And Communication Technology Equipment" or "A/V ICTE".

Note: A facsimile must be submitted to Intertek, Attn: Follow-up Services for approval prior to use.

The facsimile need not have a control number. A control number will be issued **after signed Certification Agreements** have been received by the Follow-up Services office, approval of the facsimile of your proposed Listing Mark, satisfactory completion of the Listing Report, and scheduling of a factory assessment in your facility.

MANUFACTURING AND PRODUCTION TESTS

Manufacturing and Production Tests shall be performed as required in this Report.

FOLLOW-UP SERVICE

Periodic unannounced audits of the manufacturing facility (and any locations authorized to apply the mark) shall be scheduled by Intertek. An audit report shall be issued after each visit. Special attention will be given to the following:

1. Conformance of the manufactured product to the descriptions in this Report.
2. Conformance of the use of the ETL mark with the requirements of this Report and the Certification Agreement.
3. Manufacturing changes.
4. Performance of specified Manufacturing and Production Tests.

In the event that the Intertek representative identifies non-conformance(s) to any provision of this Report, the Applicant shall take one or more of the following actions:

1. Correct the non-conformance.
2. Remove the ETL Mark from non-conforming product.
3. Contact the issuing product safety evaluation center for instructions.

10.1 Evaluation of Unlisted Components

Because Unlisted Components are uncontrolled, and they do not fall under a third party follow up program, Intertek may require these components to be tested and/or evaluated at least once annually, more often for certain components, as part of the independent certification process. The Unlisted Components in Section 5.0 require testing and/or evaluation as indicated.

The Applicant will be notified, in writing, via the applicable contact methods, as defined in Section 1.0, when these components must be selected and sent to Component Evaluation Center (CEC) for re-evaluation.

Due to particular testing requirements, some components may be requested to be shipped to specific labs. Thus, specific shipment destination(s) for each sample will be provided in the written notification.

Managing CEC Location:

Intertek Testing Services Shenzhen Ltd. Longhua Branch

ETL Component Evaluation Center

101, 201, Building B, No. 308 Wuhe Avenue, Zhangkengjing Community, GuanHu
Shenzhen, China

Attn: Joey Kuang

Sample Disposition: Due to the destructive nature of the testing, all samples will be discarded at the conclusion of testing unless, the manufacturer specifically requests the return of the samples. The request for return must accompany the initial component shipment.

11.0 Manufacturing and Production Tests

The manufacturer agrees to conduct the following Manufacturing and Production Tests as specified:

Required Tests

Dielectric Voltage Withstand Test
Grounding Continuity Test

11.1 Dielectric Voltage Withstand Test

Method

One hundred percent of production of the products covered by this Report shall be subjected to a routine production line dielectric withstand test.

The test shall be conducted on products, which are fully assembled. Prior to applying the test potential, all switches, contactors, relays, etc., should be closed so that all primary circuits are energized by the test potential. If all primary circuits cannot be tested at one time, then separate applications of the test potential shall be made.

The test voltage specified below shall be applied between primary circuits and accessible dead-metal parts. The test voltage may be gradually increased to the specified value but must be maintained at the specified value for one second or one minute as required.

Test Equipment

The test equipment shall incorporate a transformer with an essentially sinusoidal output, a means to indicate the applied test potential, and an audible and/or visual indicator of dielectric breakdown.

The test equipment shall incorporate a voltmeter in the output circuit to indicate directly the applied test potential if the rated output of the test equipment is less than 500VA.

If the rated output of the test equipment is 500VA or more, the applied test potential may be indicated by either:

- 1 - a voltmeter in the primary circuit;
- 2 - a selector switch marked to indicate the test potential; or
- 3 - a marking in a readily visible location to indicate the test potential for test equipment having a single test potential output.

In cases 2 and 3, the test equipment shall include a lamp or other visual means to indicate that the test potential is present at the test equipment output. All test equipment shall be maintained in current calibration.

Products Requiring Dielectric Voltage Withstand Test:

<u>Product</u>	<u>Test Voltage</u>	<u>Test Time</u>
All products covered by this Report.	1000V	60 s
Between primary wiring parts and accessible dead metal	or 1200V	1 s

11.2 Grounding Continuity Test

Method

Each product listed below shall be subjected to a test to determine that there is continuity between accessible dead-metal parts of the product and the grounding pin or blade of the attachment plug.

If all accessible dead metal is connected, only a single test need be performed. A visual or audible device (ohmmeter, buzzer, etc.) may be used to indicate grounding continuity.

Products Requiring Grounding Continuity Test:

All products covered by this Report.

12.0 Revision Summary

The following changes are in compliance with the declaration of Section 8.1:

[illegible]