1.0 Reference and Address			
Report Number	200624175GZS-001	Original Issued: 4-Dec-2020	Revised: 23-Jun-2022
Standard(s)	Electric Fans [UL 507:2017 Ed.10+R:27May2020] Fans and Ventilators>Expires on: 01Jan2024< [CSA C22.2#113:2015 Ed.10+U1]		

Applicant	Zhongshan Miaowang Electrical Appliance CO., Ltd.	Manufacturer	**Zhongshan Miaowang Electrical Appliance CO., Ltd.**
Address	FL3. Building C, No.10 Qingfu Road, Henglan town, Zhongshan, Guangdong 528478	Address	FL3. Building C, No.10 Qingfu Road, Henglan town, Zhongshan, Guangdong 528478
Country	China (Mainland)	Country	China (Mainland)
Contact	Yangziwei	Contact	Yangziwei
Phone	13925363379	Phone	13925363379
FAX	NA	FAX	NA
Email	250925521@qq.com	Email	250925521@qq.com

2.0 Product Description

Product	Ceiling-suspended Fan With Light Kits
Brand name	NA
Description	The products covered by this report are ceiling-suspended fan with light kit, intended for household and indoor use, provided with supply leads intended for permanently-connection to the power supply in outlet box. And the products are all intended to be mounted to outlet box suitable for supporting of ceiling fans.
Models	MW followed by 1083 or 1084; followed by B or C; followed by 52, 50, 48 or 44; MW followed by 1010; followed by A or B; followed by 48, 44 or 42; MW followed by 1037; followed by B or C; followed by 50, 48, 44, 42 or 40; MW followed by 8723; followed by B or C; followed by 52; MW followed by 1087; followed by B or C; followed by 52; MW followed by 8550; followed by A; followed by 52, 50, 48 or 44. MW followed by 8723A; followed by B or C; followed by 52; MW followed by 8744; followed by B or C; followed by 52; MW followed by 1101; followed by B; followed by 42;
Model Similarity	All models are with similar constructions except their blade and appearance is different and model MW1101B42 without LED module but with LED lamp and lamp holder.

The model coding MWZYX in this report, where:

Company code	Product type	Blade numer	Blade size
MW	Z	Y	X

1. Z=8744,1101,1083, 1084, 1010, 1037, 8723, 1087 or 8550 - product type indicate different appearance of the product;
2. Y=A, B or C represent number of blade, A for 3 pieces of blades, B for 4 pieces of blades, C for 5 pieces of blades;
3. X=52, 50, 48, 44, 42 or 40 to indicated size of blade, for example 52 means that the lendth is 52 inch.
4. Serial model MW8723A are same as MW8723, except for the appearance of the lamp part.

Ratings	120 V, 60 Hz, 65 W (for fan only); 24 W (for light).
Other Ratings	NA

3.0 Product Photographs

Photo 1 - External view of MW1087ZYX

Photo 2 - Assembly views of Product, MW1087ZYX

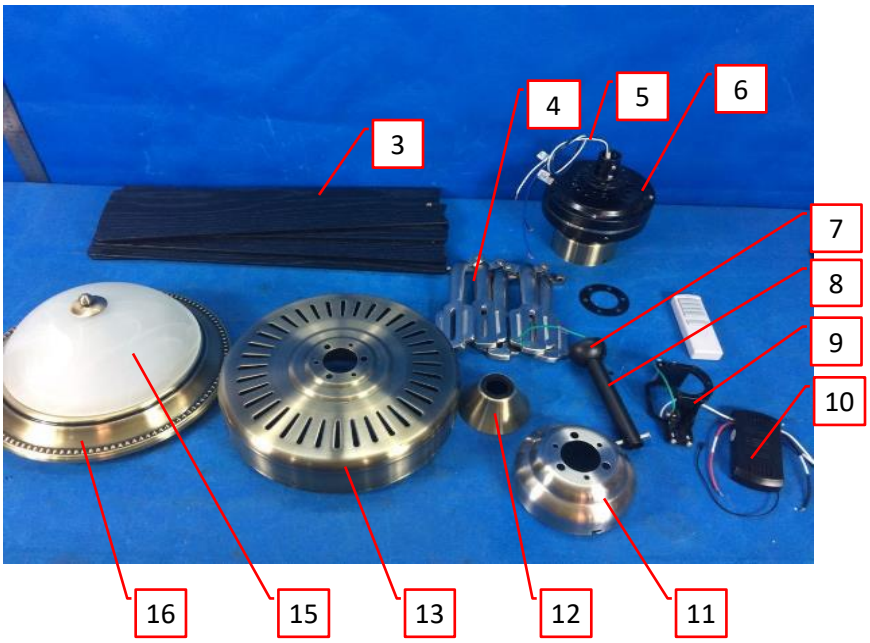
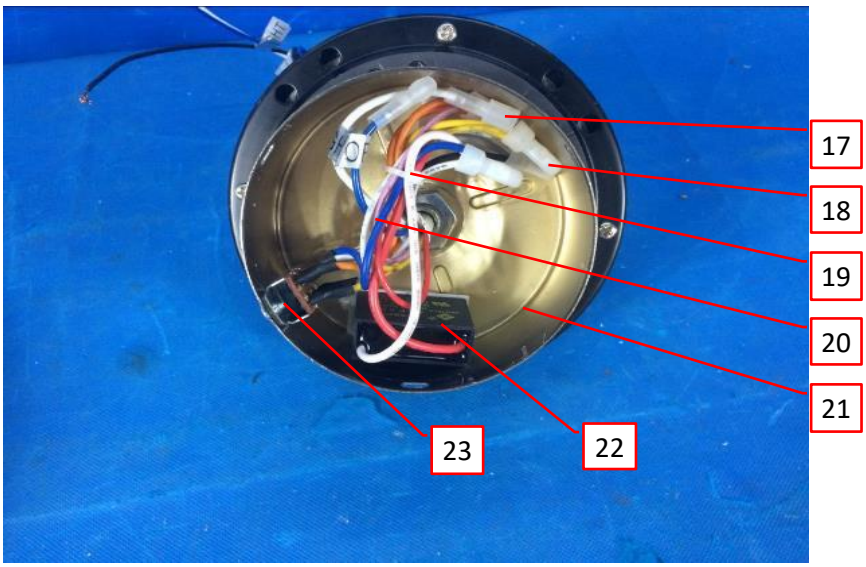


Photo 3 - Internal views of Product, MW1087ZYX



3.0 Product Photographs

Photo 4 - Internal views of Product, MW1087ZYX

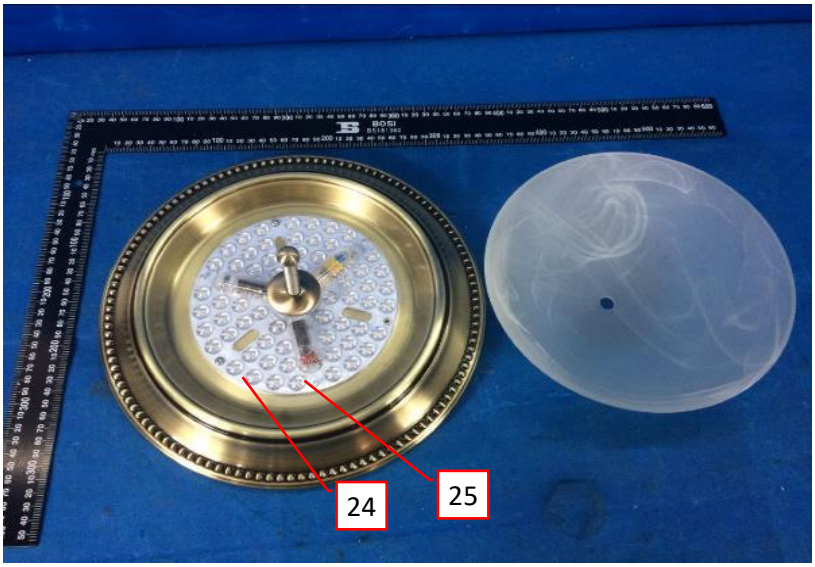


Photo 5 - Internal views of Product, MW1087ZYX

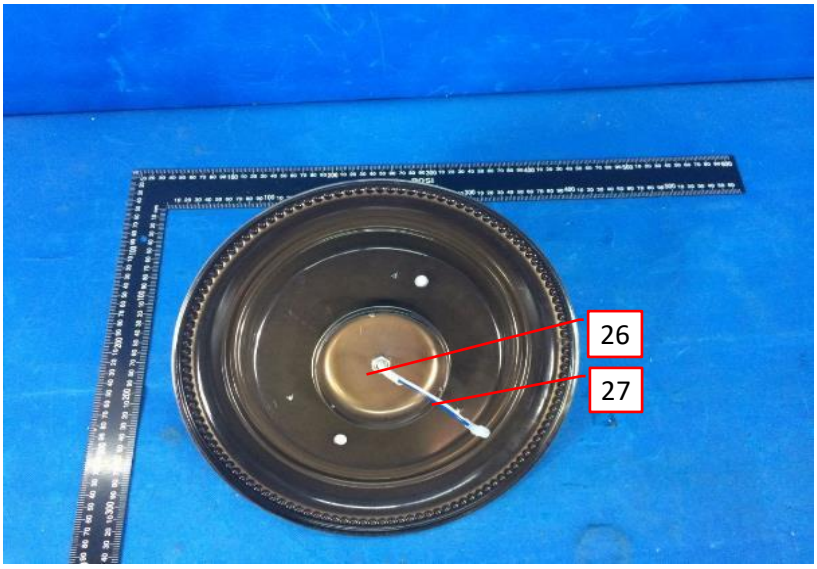
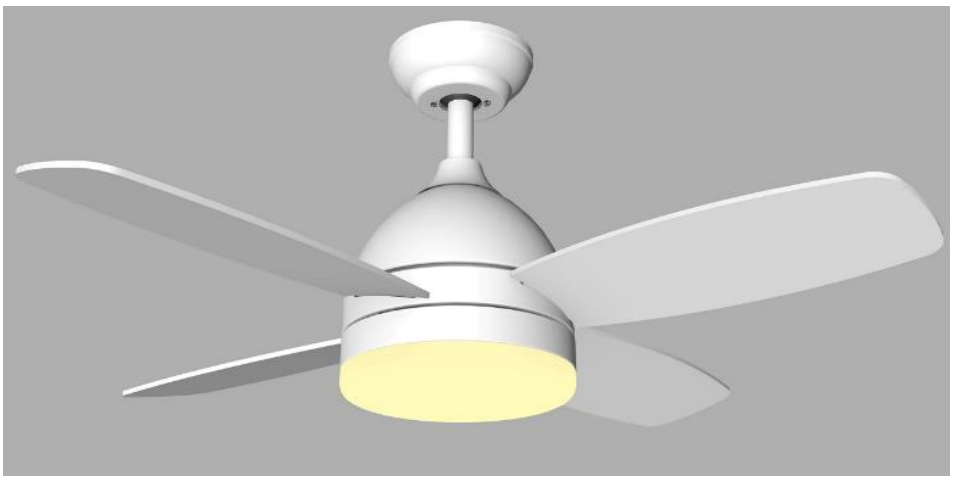


Photo 6 - External view of MW1010ZYX



3.0 Product Photographs

Photo 7 - Assembly views of Product, MW1010ZYX

Photo 8 - Internal views of Product, MW1010ZYX

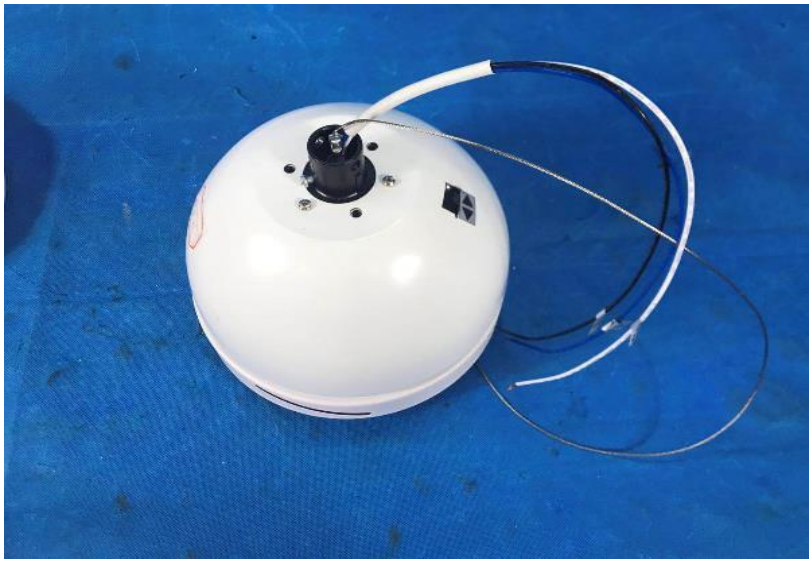
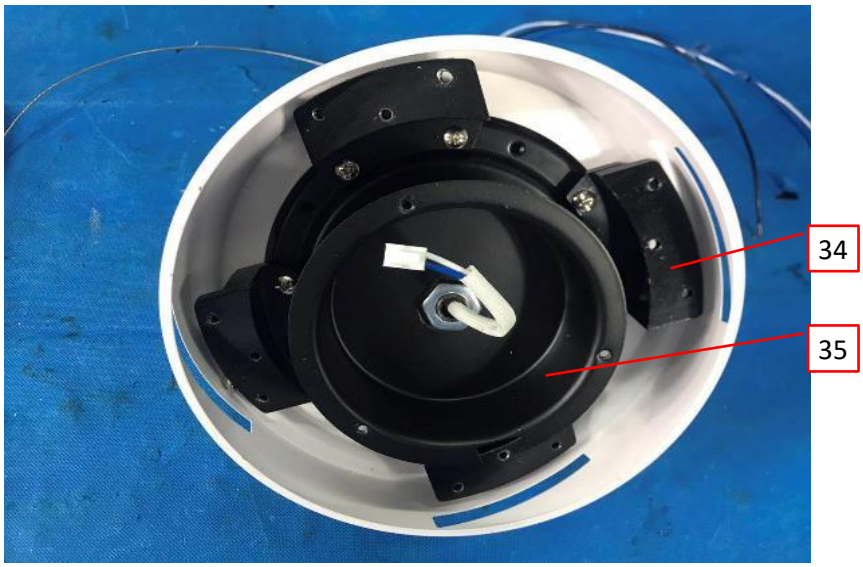


Photo 9 - Internal views of Product, MW1010ZYX



3.0 Product Photographs

Photo 10 - Internal views of Product, MW1010ZYX

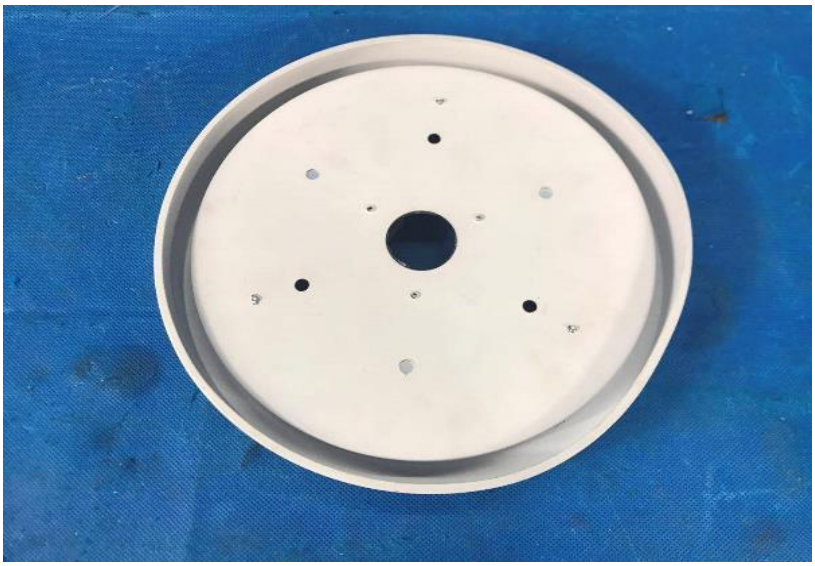


Photo 11 - Internal views of Product, MW1010ZYX

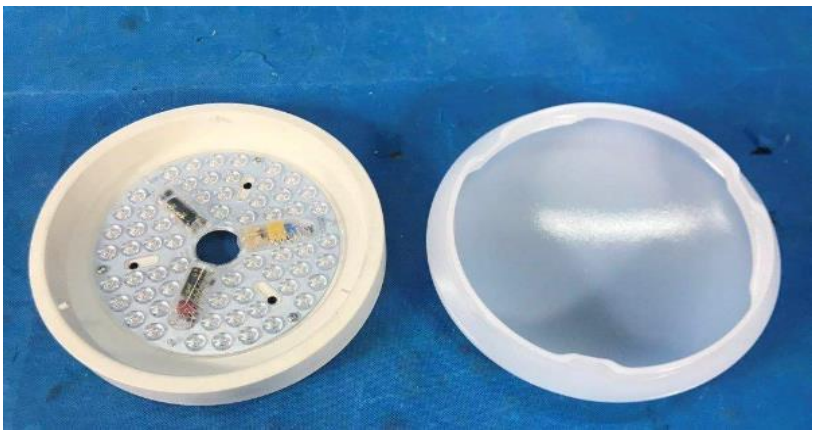


Photo 12 - External view of MW1037ZYX

3.0 Product Photographs

Photo 13 - Assembly views of Product, MW1037ZYX

Photo 14 - Internal views of Product, MW1037ZYX

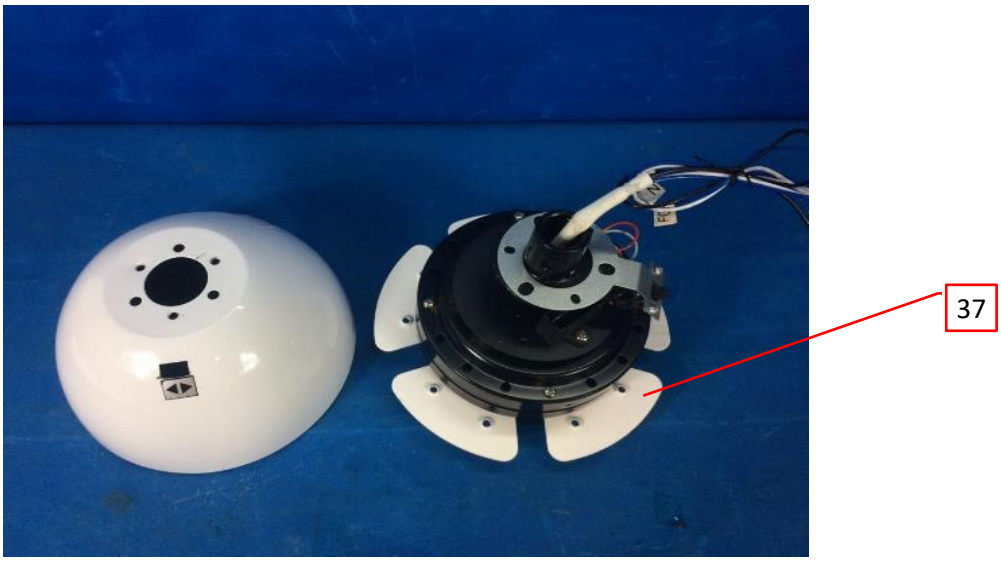


Photo 15 - External view of MW1083ZYX

3.0 Product Photographs

Photo 16 - Assembly views of Product, MW1083ZYX

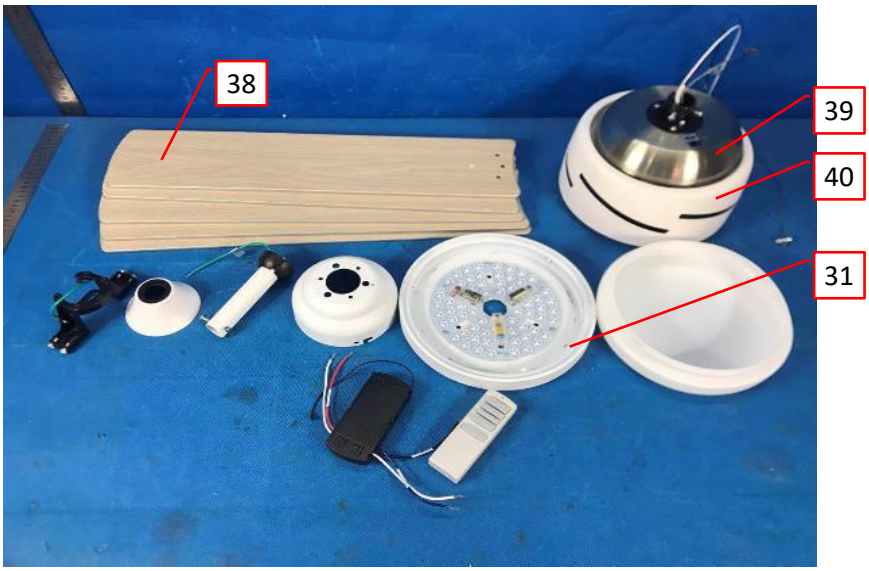


Photo 17 - Internal views of Product, MW1083ZYX

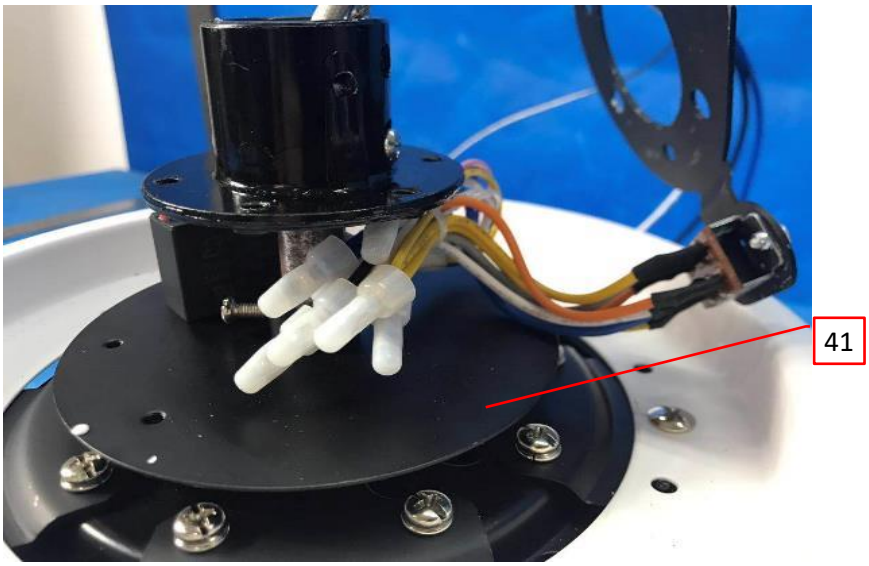
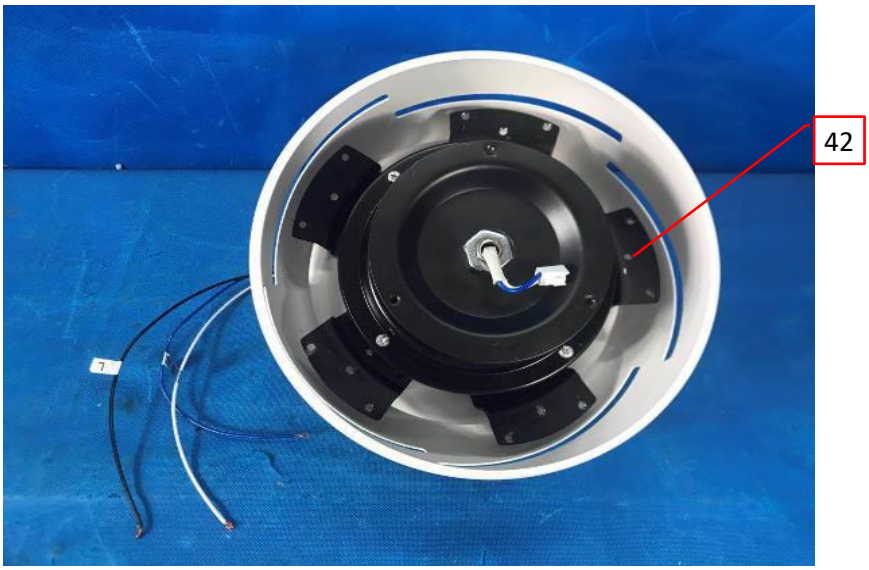


Photo 18 - Internal views of Product, MW1083ZYX



3.0 Product Photographs

Photo 19 - External view of MW1084ZYX

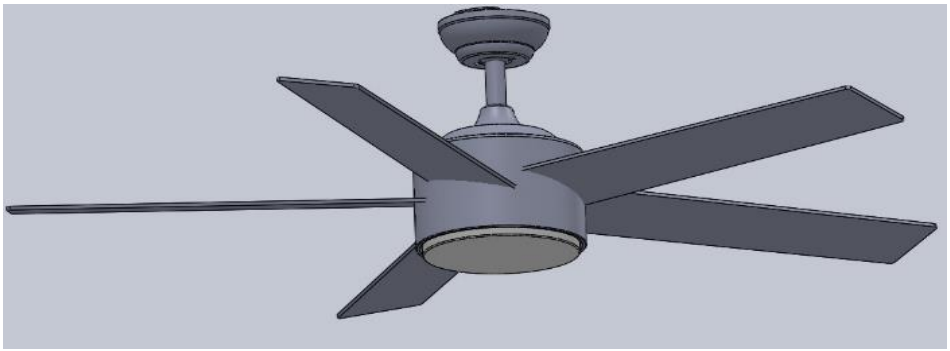


Photo 20 - Assembly views of Product, MW1084ZYX

Photo 21 - External view of MW8550ZYX

3.0 Product Photographs

Photo 22 - Assembly views of Product, MW8550ZYX

Photo 23 - Internal views of Product, MW8550ZYX

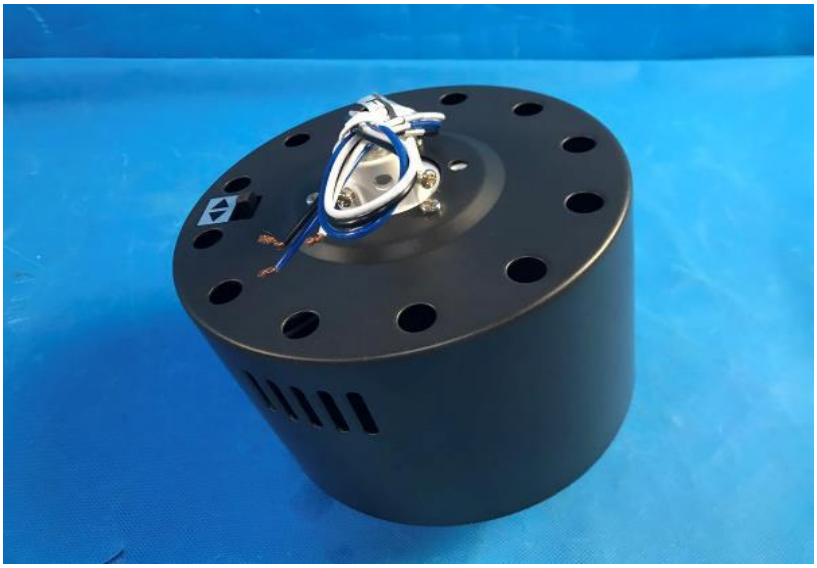


Photo 24 - Internal views of Product, MW8550ZYX

3.0 Product Photographs

Photo 25 - Internal views of Product, MW8550ZYX

Photo 26 - External view of MW8723ZYX

Photo 27 - Assembly views of Product, MW8723ZYX

3.0 Product Photographs

Photo 28 - Internal views of Product, MW8723ZYX

Photo 29 - Internal views of Product, MW8723ZYX

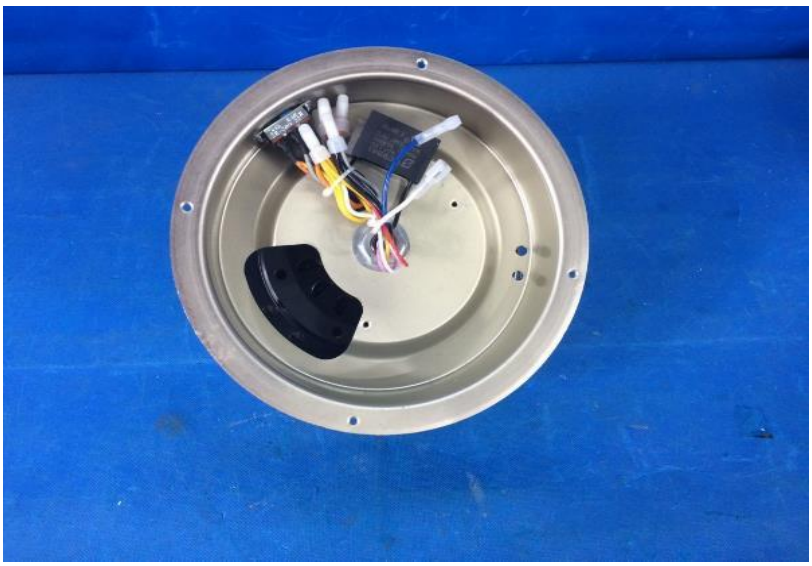
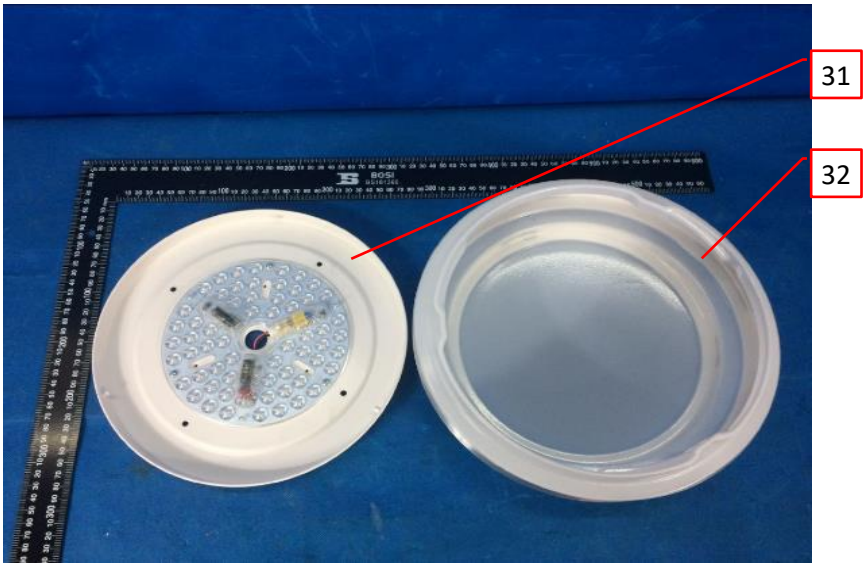


Photo 30 - Internal views of Product, MW8723ZYX



3.0 Product Photographs

Photo 31 - Views of unlisted motor 153*18mm

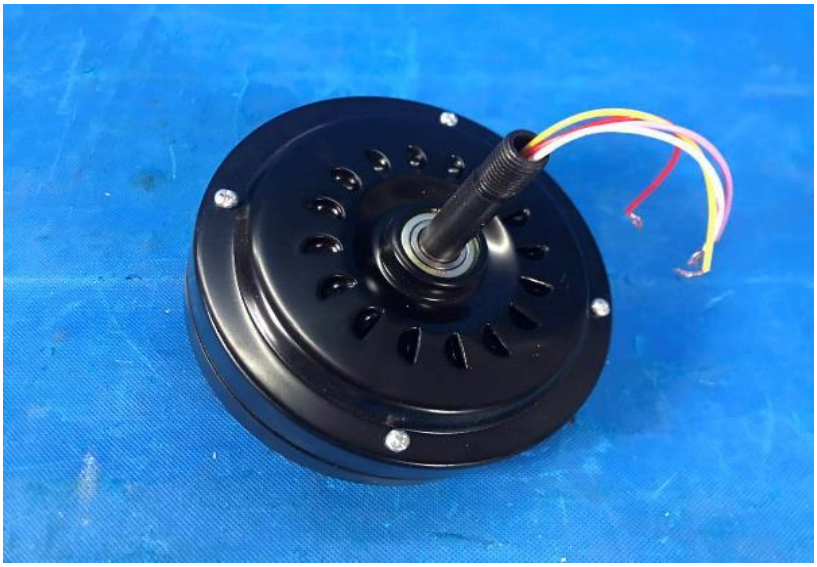
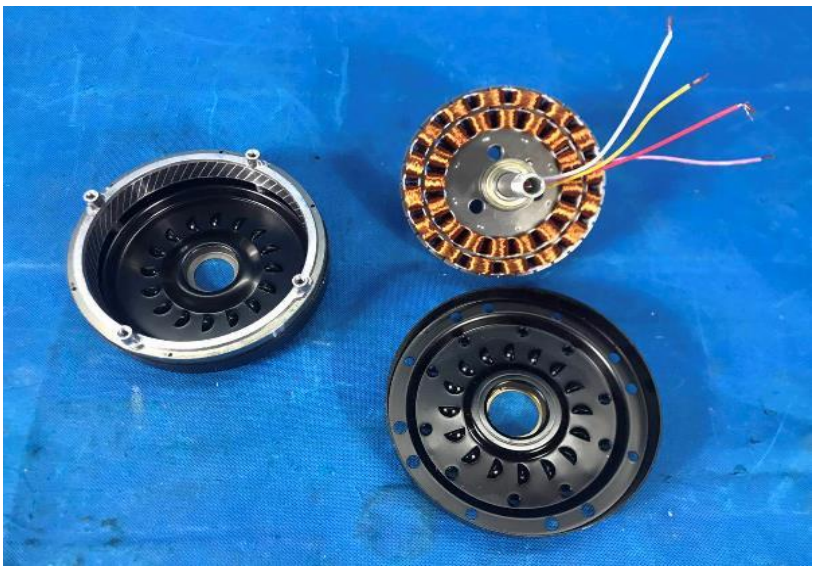


Photo 32 - Views of unlisted motor 153*18mm

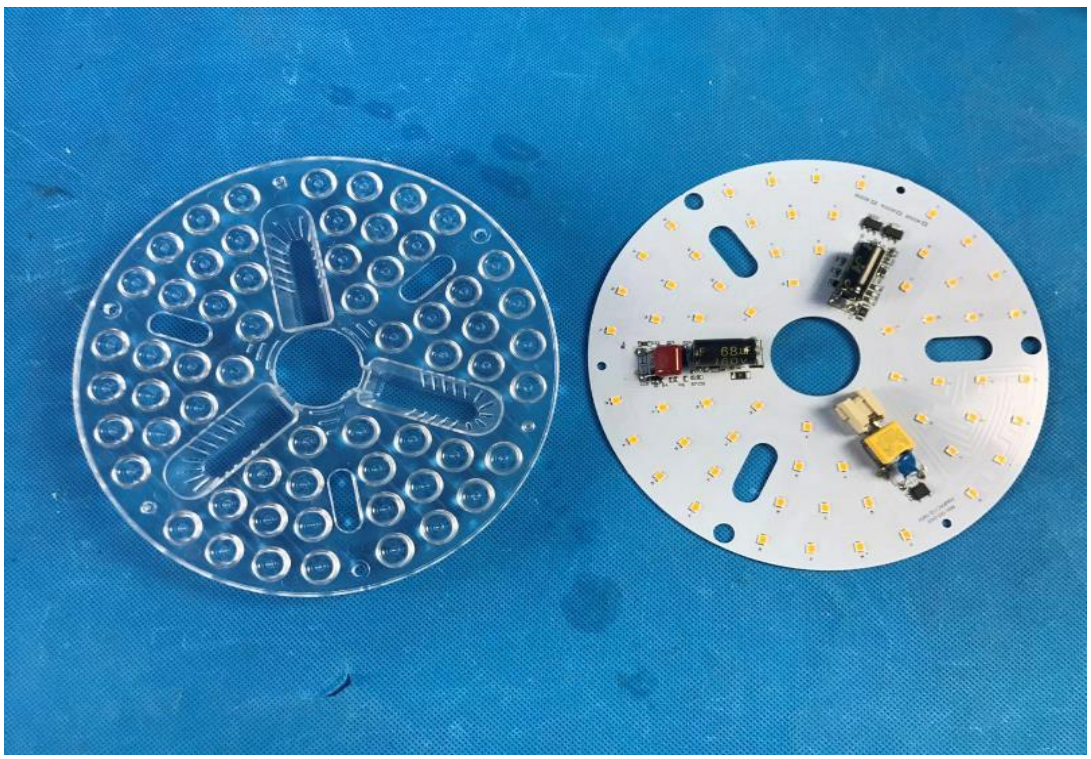
Photo 33 - Views of unlisted motor 153*18mm



3.0 Product Photographs

Photo 34 - Views of unlisted motor 153*18mm

Photo 35 - Views of LED Module MW-160-24W



3.0 Product Photographs

Photo 36 - Views of LED Module MW-160-24W

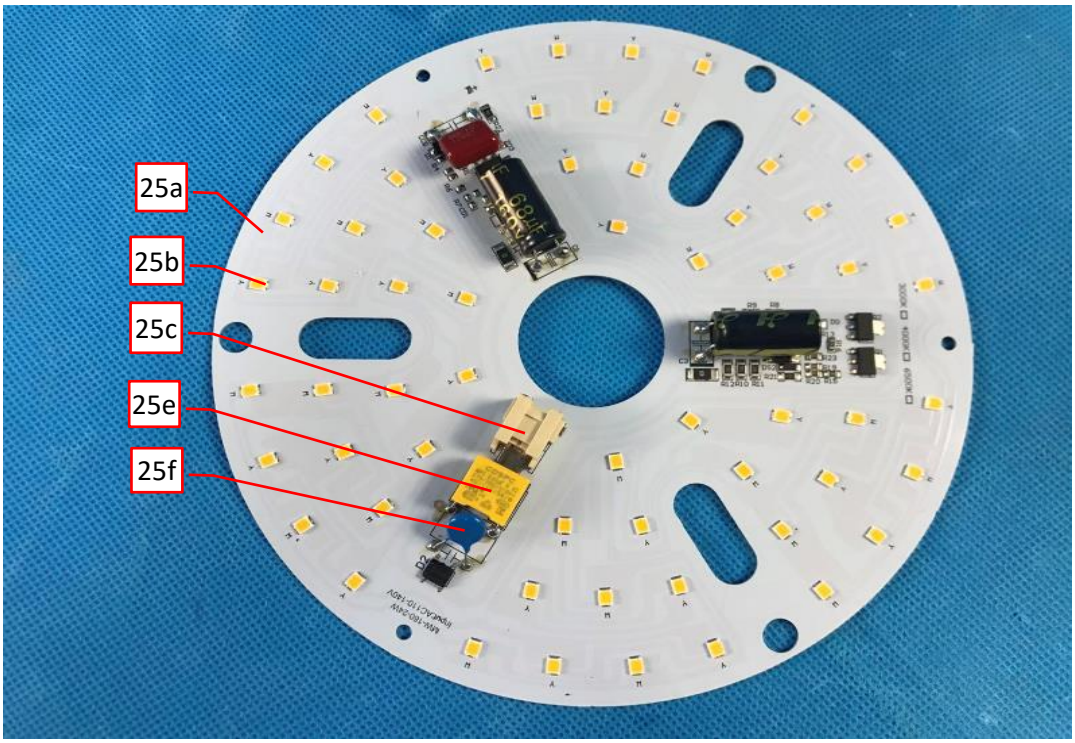


Photo 37 - Views of remote control

3.0 Product Photographs

Photo 38 - External view of MW8723AZYX

Photo 39 - External view of lamp part for MW8723AZYX(LED Module same as MW8723ZYX's)

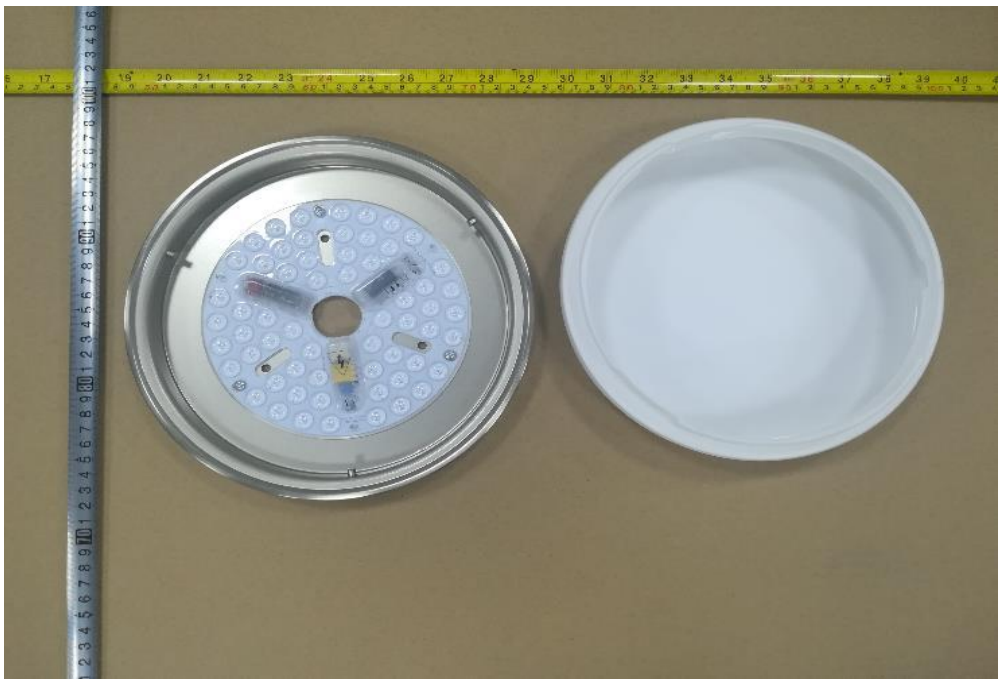
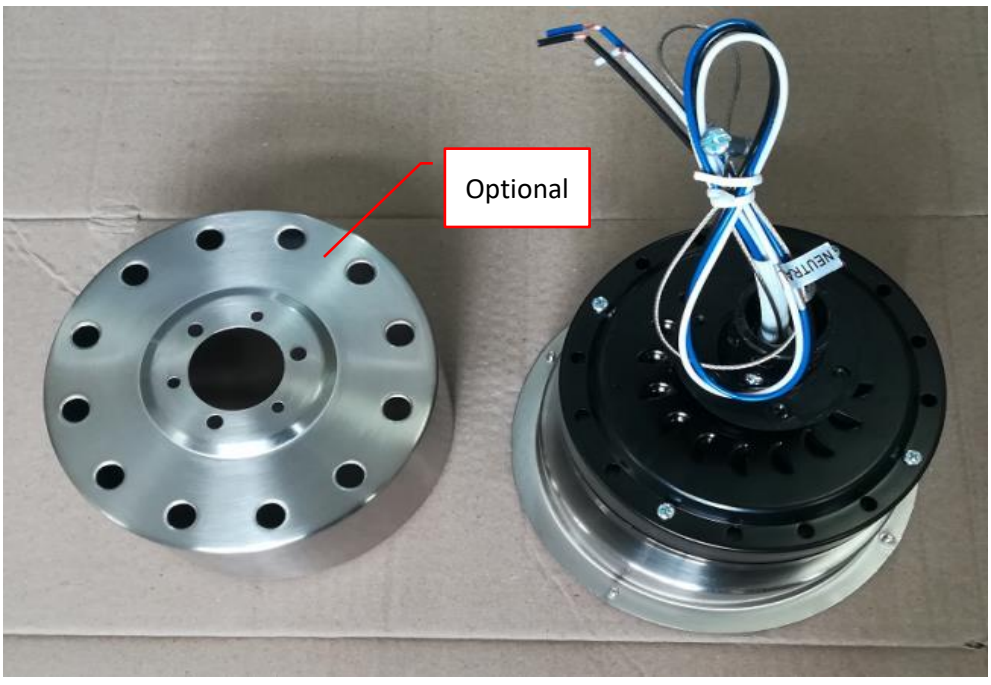


Photo 40 - Optional motor cover of MW8723ZYX, aslo apply to model MW8723AZYX



3.0 Product Photographs

Photo 41 - External View of unlisted motor 153*15mm

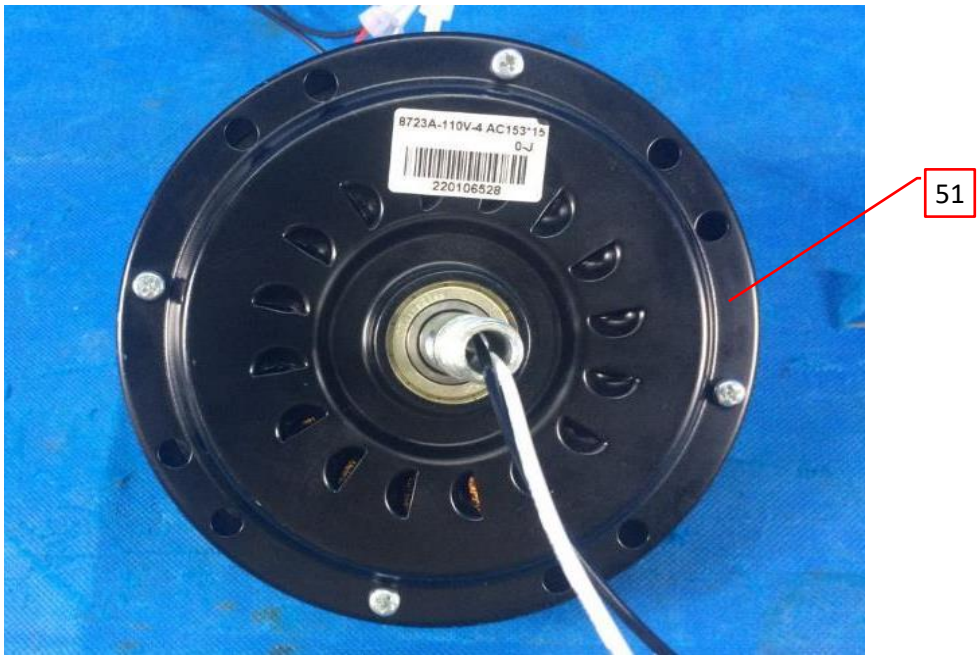


Photo 42 - External view of unlisted motor 153*15mm

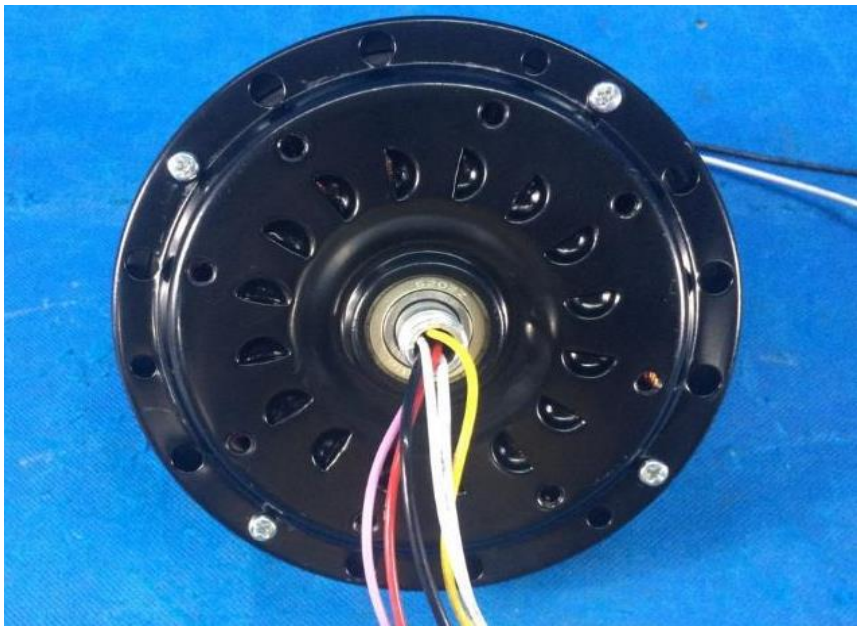
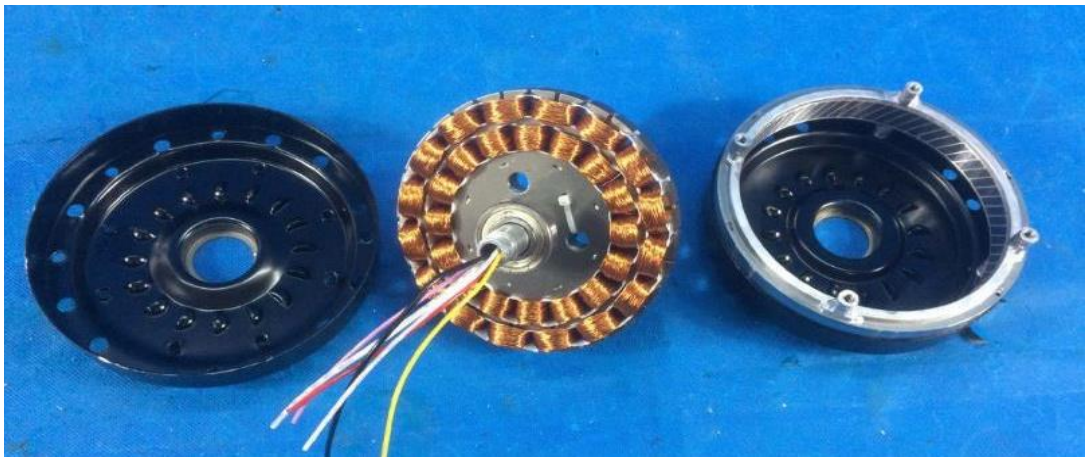


Photo 43 - Internal view of unlisted motor 153*15mm



3.0 Product Photographs

Photo 44 - Internal view of unlisted motor 153*15mm

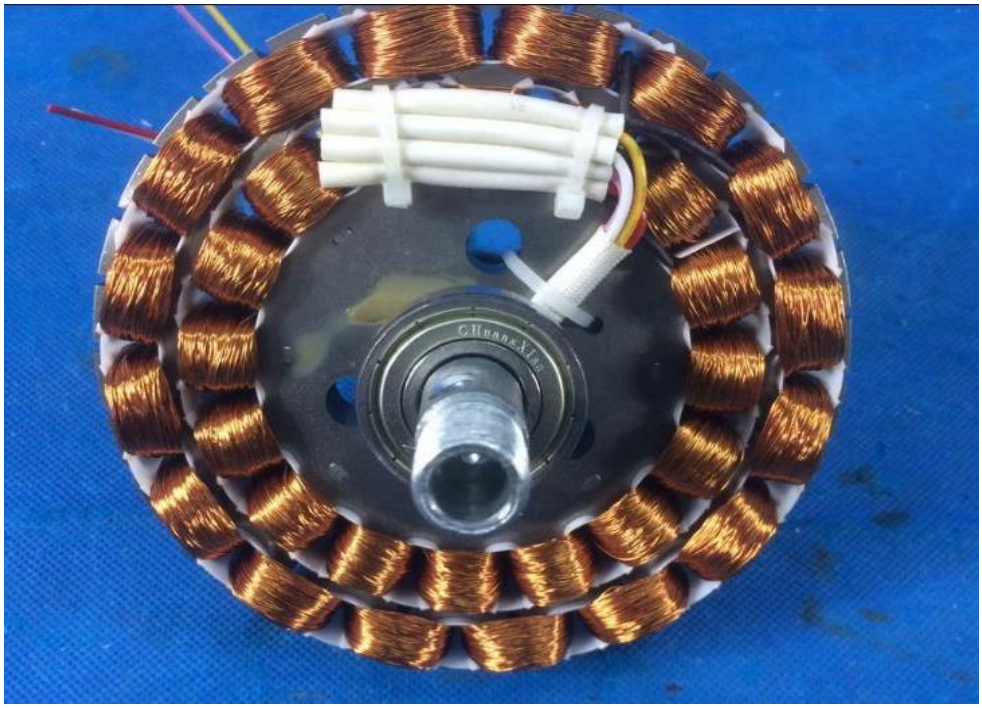


Photo 45 - External view of model MW1101B42

3.0 Product Photographs

Photo 46 - Assembly views of model MW1101B42

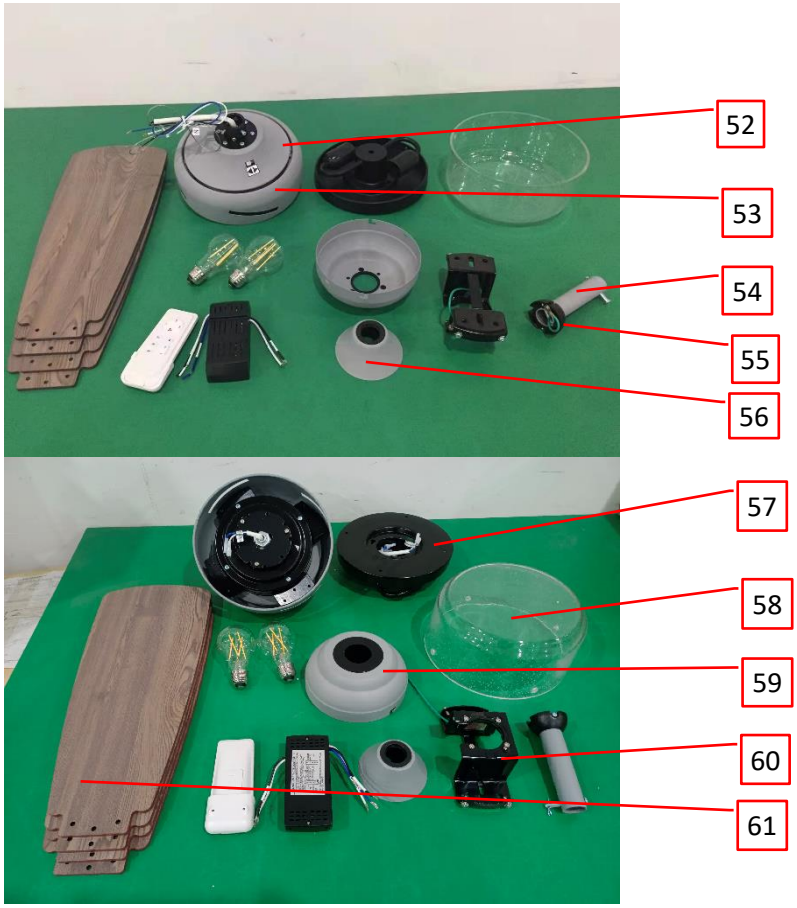
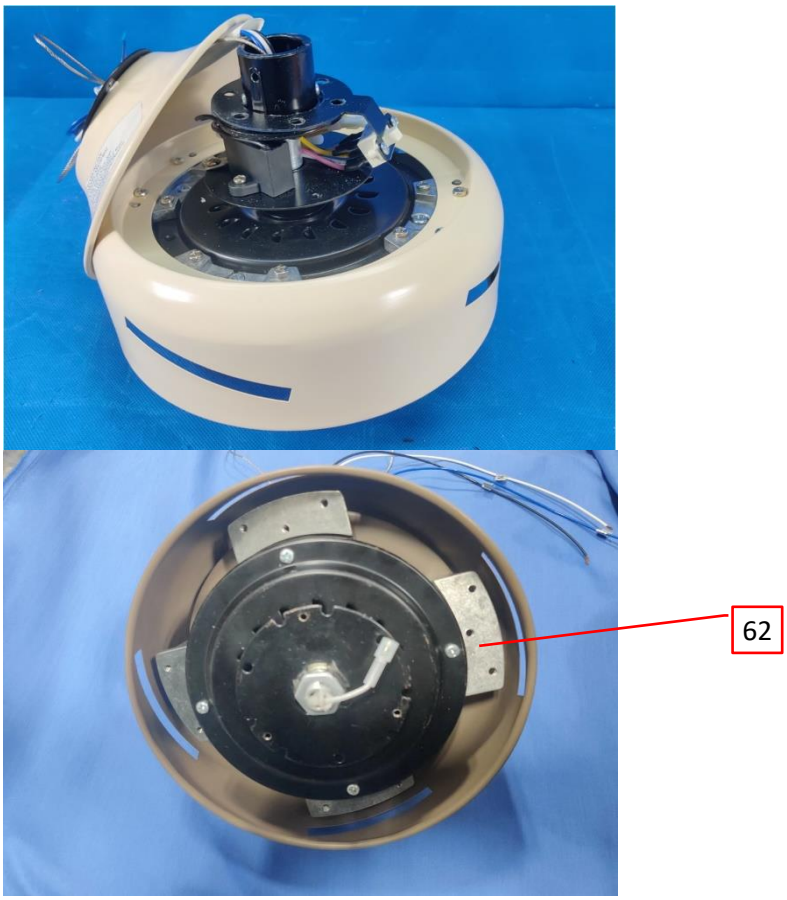


Photo 47 - Internal view of model MW1101B42



3.0 Product Photographs

Photo 48 - Internal view of model MW1101B42

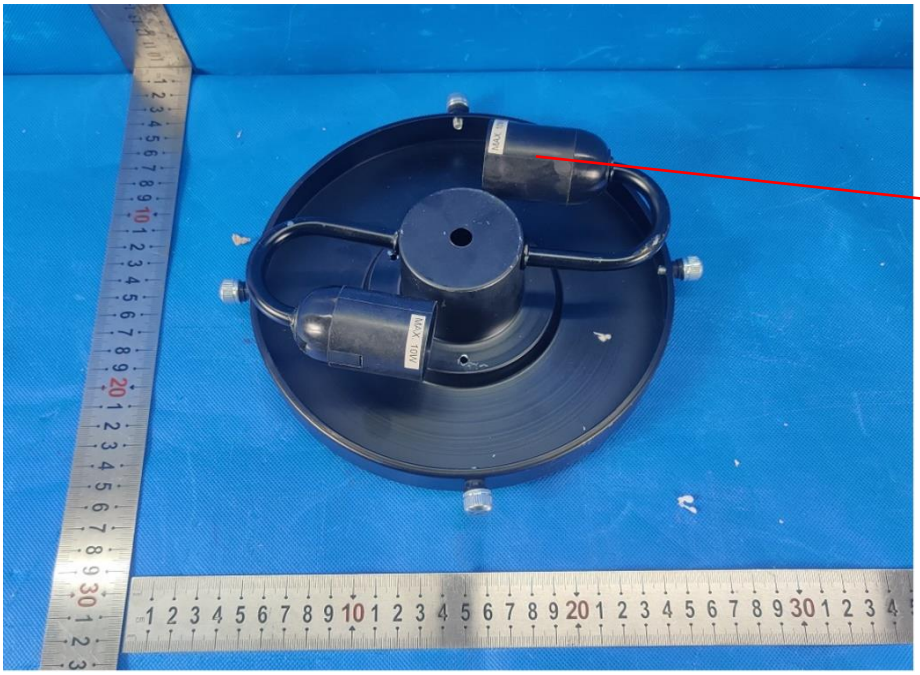
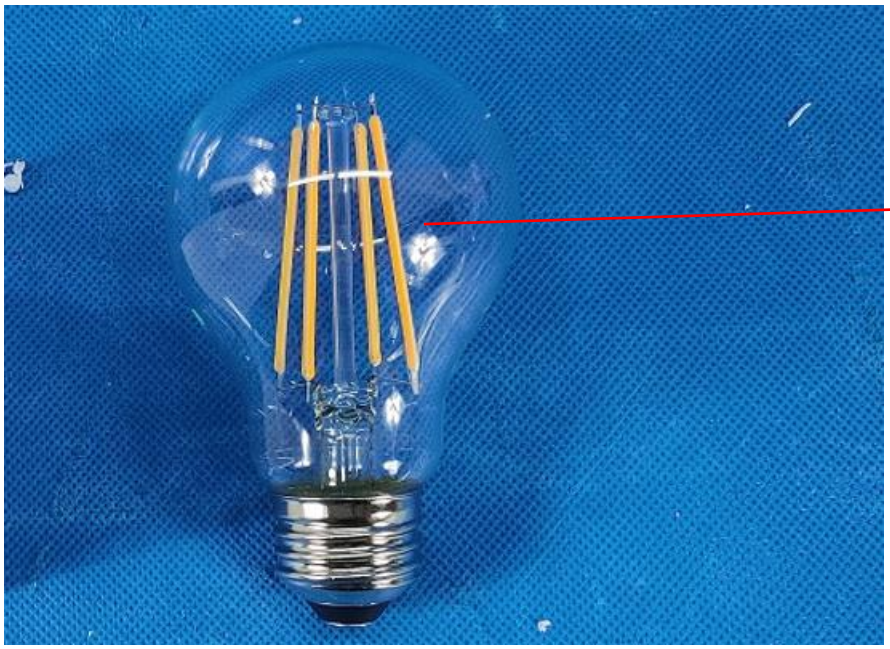


Photo 49 - Internal view of model MW1101B42



3.0 Product Photographs

Photo 50 - External view of model MW8744

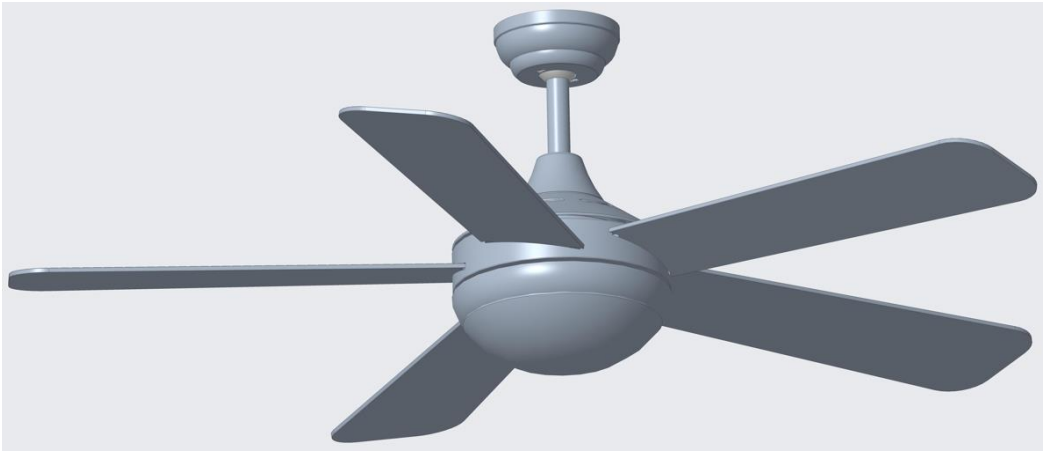


Photo 51 - Assembly views of model MW8744(With Blade I)

3.0 Product Photographs

Photo 52 - Assembly views of model MW8744(With Blade J)

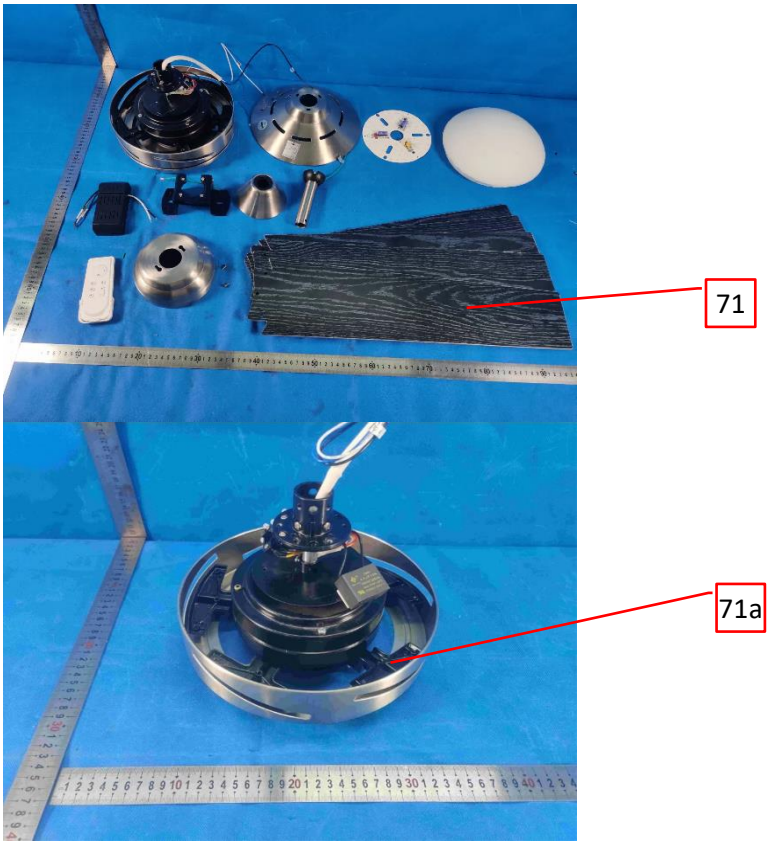
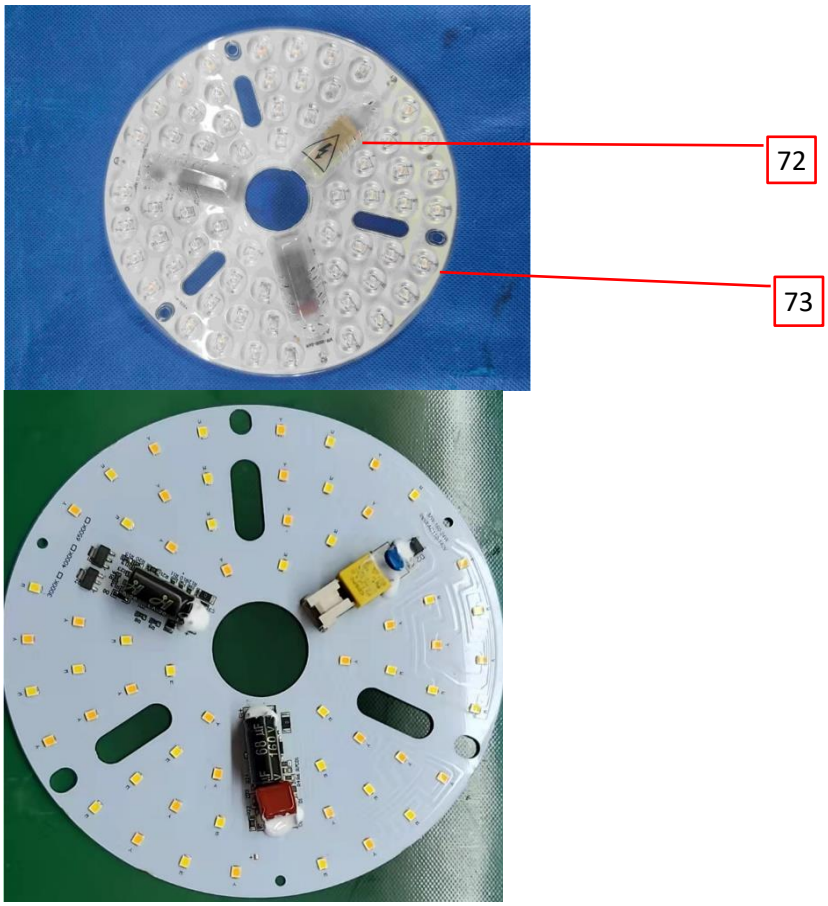


Photo 53 - View of LED module MW-160B-24W for option(Same principle as MW-160-24W except the layout)



3.0 Product Photographs

Photo 54 - View of optional fan control

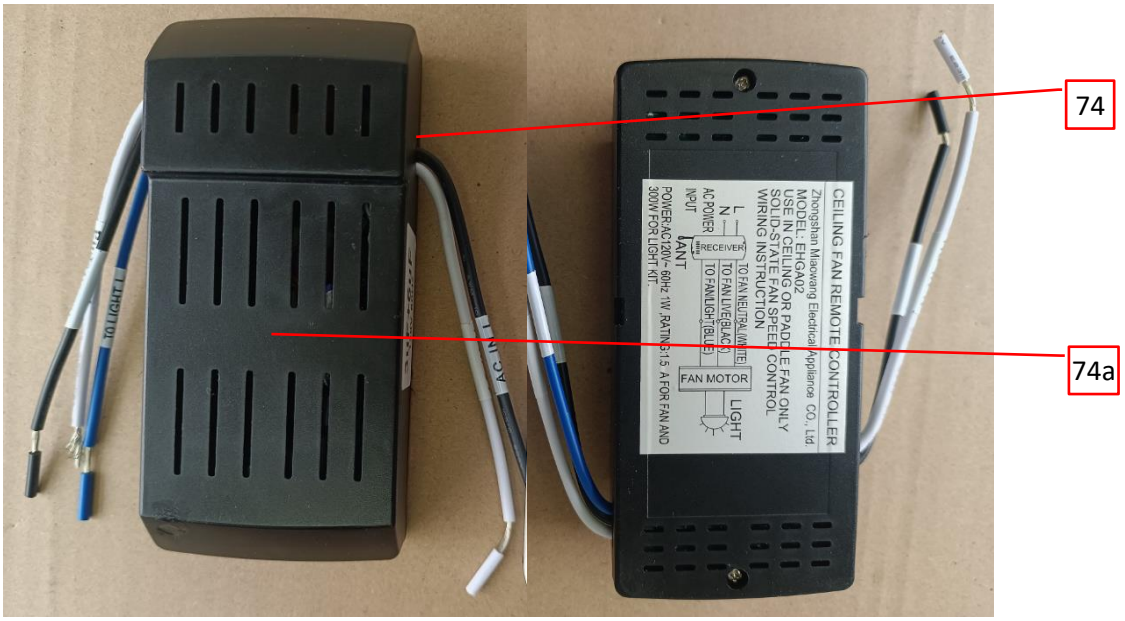
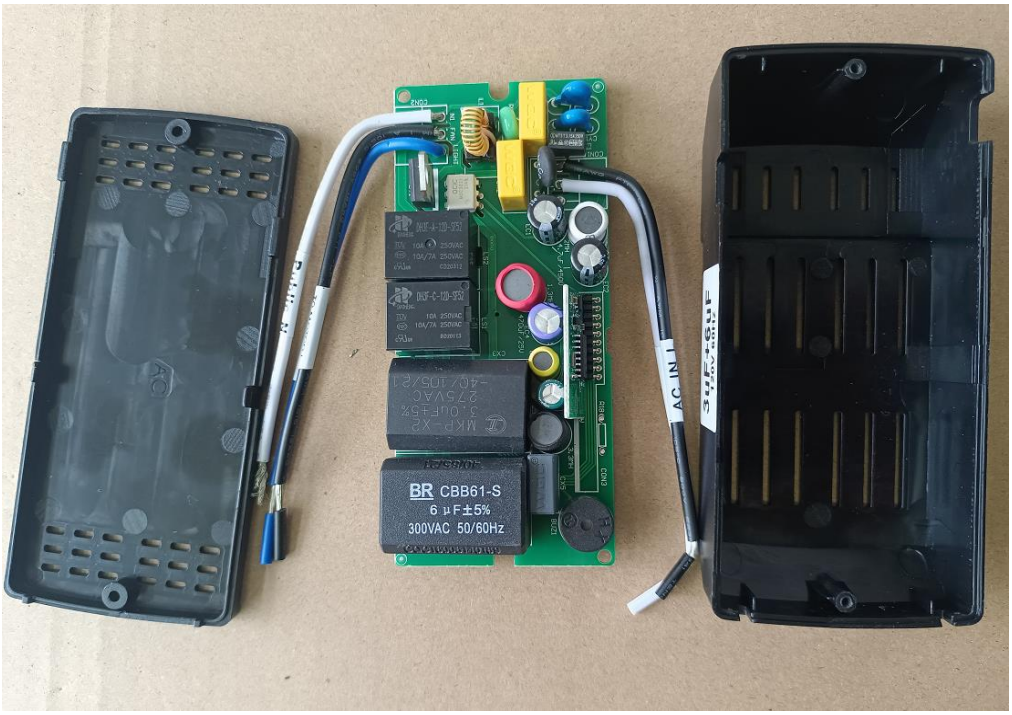


Photo 55 - View of optional fan control



3.0 Product Photographs

Photo 56 - View of optional fan control

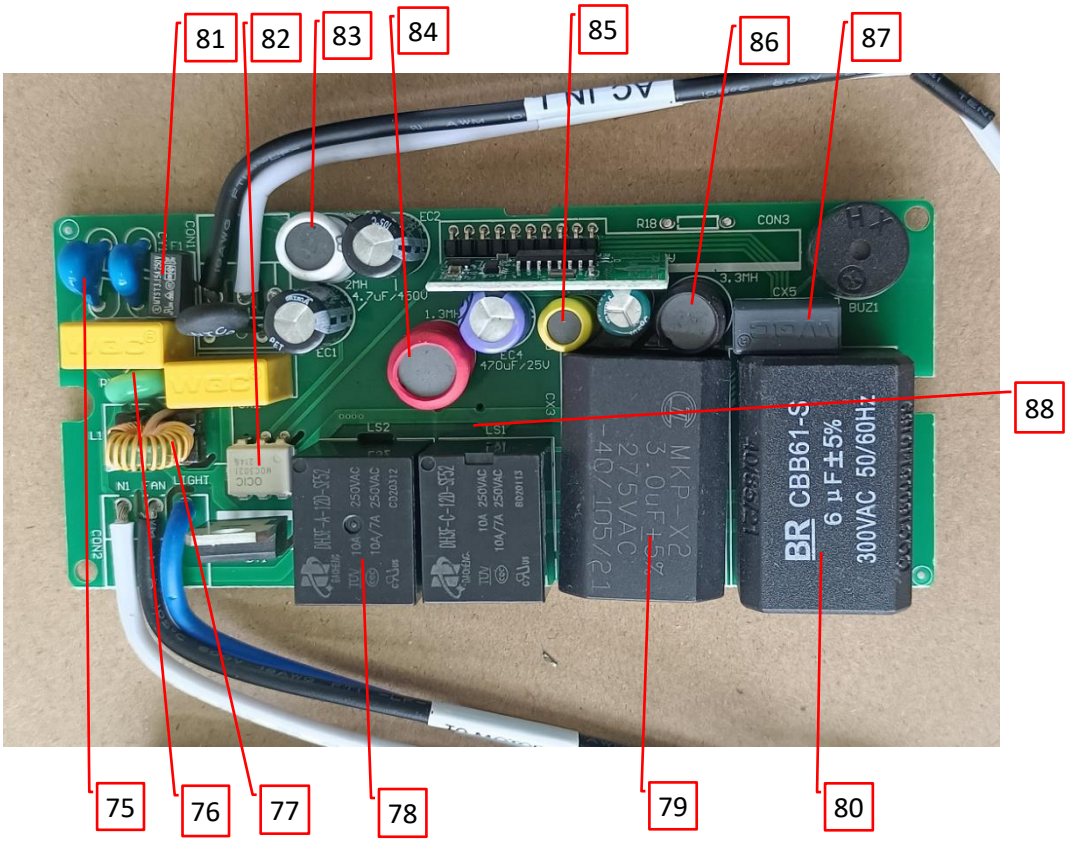
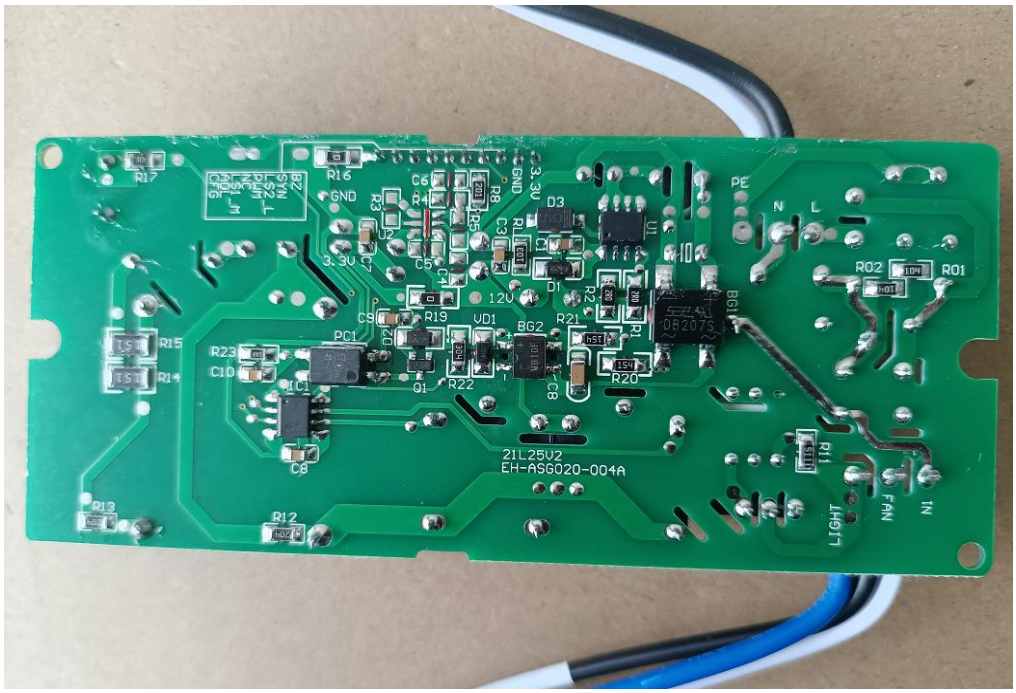


Photo 57 - View of optional fan control



3.0 Product Photographs

Photo 58 - View of optional remote control

Photo 59 - View of optional remote control

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]
2	1	Nameplate (not shown)	Various	Various	Rated at least 100 ºC, suitable for plated or painted metal. In UL category PGDQ2 and PGDQ8. Posted on Coupling Cover or Canopy.	cURus
2	2	Caution Marking (not shown)	Various	Various	Rated at least 100 ºC, suitable for plated or painted metal. In UL category PGDQ2 and PGDQ8. Posted on Coupling Cover or Canopy.	cURus
2	3	Blade A	Various	Various	5 provided. Each plywood, measured edge 5.3 mm in thickness, overall 535 mm length. Securing to Blade Fixing Bracket by screws.	NR
2	4	Blade Fixing Bracket A	Various	Various	5 provided.Painted or plated steel, measured 2.5 mm in thickness. Secured to motor by screws. See illustration 5.8 for dimensions details.	NR
2	5	Lead Wire	Various	1015	18-22AWG, 600 V, 105°C,VW-1. 18 AWG used for supply wiring. The free length of lead inside an outlet box shall be 152.4 mm or more. Refer to illustration 1.1 for specific use.	cURus
				1010	18-22AWG, 300 V, 105°C,VW-1. 18 AWG used for supply wiring. The free length of lead inside an outlet box shall be 152.4 mm or more. Refer to illustration 1.1 for specific use.	cURus
				1332	18-22AWG, 300 V, 200°C,VW-1. 18 AWG used for supply wiring. The free length of lead inside an outlet box shall be 152.4 mm or more. Refer to illustration 1.1 for specific use.	cURus
2	6	Fan Motor	ZHONGSHAN MIAOWANG ELECTRICAL APPLIANCE CO LTD	153*18mm	110-120V, 65W, class A. For models MW1010ZYX, MW1037ZYX, MW1083ZYX, MW1084ZYX, MW1087ZYX, MW8550ZYX, MW8723ZYX, MW8723AZYX.	See 5.0

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]
2	7	Ball Joint	Various	Various	Aluminum alloy. Measured min. 2.5 mm in thickness. The component has two kinds of dimensions. Type A measured 50.0 mm OD, 21.0 mm height; Type B meaured 50.0 mm OD, 23.0 mm height. Secured to downrod by a 5.8 mm OD by 35.0 mm long dowel pin passing through downrod; a 4.2 mm width, 4.0 mm deep slot for matching the fixing projection on the mounting bracket, and a setscrew threaded into downrod. For all models. See illustration 5.3 and 5.5 for dimensions details.	NR
2	8	Downrod	Various	Various	Plated or painted steel. Measured OD 26.5 mm, 125 mm length matched ball joint Type A; Measured OD 21.5 mm, 150 mm length matched ball joint Type B. Secured to Coupling by screws and a 5.8 mm in OD by a 45.7 mm long dowel pin passing through coupling and downrod, then a Bclip crossed dowel pin. For all models. See illustration 5.4 and 5.6 for dimensions details.	NR
2	9	Mounting Bracket	Various	Various	Die-cast zinc alloy or Aluminum alloy, measured overall 128 mm x 54 mm x 49.4 mm in length X width X height, 2.4 mm in thickness at top portion of mounting feet. Bottom portion provided with a Φ 45.3 mm diameter opening for Ball Joint with a integral tab to engage withthe groove of Ball Joint. See illustration 5.2 for dimensions details. For all models.	NR
2	10	Controller	ZHONGSHAN HEFENG ELECTRONIOS CO LTD	RM76A/B	AC120V, 60Hz, Max 1.2A for Fan and 190W for ceiling fan and tungsten only. For all models.	cETLus
2	11	Canopy	Various	Various	Plated or painted steel, measured 0.8 mm in thickness. Secured to mounting bracket by screws. For all models.	NR
2	12	Coupling Cover	Various	Various	Plated or painted steel, measured 0.6 mm in thickness.	NR

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]
2	13	Upper Motor Housing	Various	Various	Plated or painted steel, measured 0.7 mm in thickness, 277 mm OD, 67.5 mm in height. Provided several openings measured max. 51.0 X 2.0 mm. Secured to top of motor by screws.	NR
2	14	Lower Motor Housing (Not shown)	Various	Various	Plated or painted steel, measured 0.7 mm in thickness, 279 mm OD, 25.5mm in height. Provided several openings measured max. 37.0 X 3.0 mm. Secured to Upper Motor Housing by screws.	NR
2	15	Glass Diffuser	Various	Various	Glass. Min. 2.92 mm in thickness. Secured to lamp plate by physical fit. For models MW1083ZYX, MW1084ZYX, MW1087ZYX, MW8723AZYX	NR
2	16	Lamp Plate	Various	Various	Plated or painted steel, minimum 0.8 mm thick, all overall approx. 302 mm OD, 35.0 mm high.	NR
3	17	Quick Connector	ZHEJIANG LIANHE ELECTRONIC CO LTD	XH-2	250V, 85°C, used for connection of lamp.	cURus
			Various	Various	250V, 85°C, used for connection of lamp.	cURus
3	18	Closed-end Connector	Various	Various	Suitable for 18-22 AWG, rated at least 105ºC	cURus
3	19	Cable Tie	Various	Various	Rated 120 ºC, V-2.	cURus
3	20	Internal Wire	Various	1015	105°C, 600 VAC, VW-1. 18-22 AWG for general connected except otherwise indicated. Refer to illustration 1.1 for specific use.	cURus
				1010	105°C, 300 VAC, VW-1. 18-22 AWG for general connected except otherwise indicated. Refer to illustration 1.1 for specific use.	cURus
				1332	300 V, 200°C,VW-1. 18-22 AWG for general connected except otherwise indicated. Refer to illustration 1.1 for specific use.	cURus
3	21	Electric Box	Various	Various	Plated or painted steel, minimum 0.8 mm thick. Secured to motor by screws.	NR

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]
3	22	Motor Capacitor	FOSHAN CITY SHUNDE XUNDE ELECTRICAL AND ELECTRONIC CO LTD	CBB61	300 V, 50/60Hz, 4 uF. 70ºC. Used for motor 153*18mm and 153*15mm.	cURus
			NEW TECH ELECTRONIC CO LTD	CBB61	300 V, 50/60Hz, 4 uF. 85ºC. Used for motor 153*18mm and 153*15mm.	cURus
			FOSHAN CITY SHUNDE XUNDE ELECTRICAL AND ELECTRONIC CO LTD	CBB61	300 V, 50/60Hz, 4.5 uF. 70ºC. Used for model MW8744ZYX.	cURus
			NEW TECH ELECTRONIC CO LTD	CBB61	300 V, 50/60Hz, 4.5 uF. 85ºC. Used for model MW8744ZYX.	cURus
3	23	Reverse Switch	ZING EAR ENTERPRISE CO LTD	ZE-209-22	Rated 125VAC/6A or 250VAC/3A, 105 °C, endurance 10K cycle. Secured to the Electric box by screws for models MW1087ZYX, MW8723ZYX; Secured to coupling by screws for model MW1010ZYX, MW1037ZYX, MW1083ZYX, MW1084ZYX, MW8550ZYX, MW8723AZYX, MW1101B42, MW8744ZYX.	cURus
			SHINE TOP ELECTRIC CO LTD	LS-101	Rated 125VAC/6A or 250VAC/3A, 65 °C, endurance 6K cycle. Secured to the Electric box by screws for models MW1087ZYX, MW8723ZYX; Secured to coupling by screws for model MW1010ZYX, MW1037ZYX, MW1083ZYX, MW1084ZYX, MW8550ZYX, MW8723AZYX, MW1101B42, MW8744ZYX.	cURus
			ZING EAR ENTERPRISE CO LTD	ZE-209B	Rated 125VAC, 6A or 250VAC/3A, 105°C. For model MW1010ZYX, MW1037ZYX, MW1083ZYX, MW1084ZYX, MW1087ZYX MW8550ZYX, MW8723ZYX, MW8723AZYX, MW1101B42, MW8744ZYX.	cURus
4	24	Lamp Cover	NINGBO LG YONGXING CHEMICAL CO LTD	LUPOY EF-1006F(m)	PC, all color, rated 5VA, 115°C, measured 2.5 mm in thickness. Securd to the Lamp Plate by screws.	cURus

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]
4	25	LED Module	Jiangmen Keshang Electronic Technology Co., LTD	MW-160-24W	AC110-140V 24W.	NR
36	25a	LED PCB	Various	Various	Single layer printed wiring boards. Rated V-0, 130°C, met UL 796.	cURus
36	25b	LED	Various	Various	Vf=8.6-9.0V, If=max.120mA. Size: 3.5mm x 2.8mm x 0.65mm.	NR
36	25c	Quick Connector	ZHEJIANG LIANHE ELECTRONIC CO LTD	Various	250V, 85°C.	cURus
36	25d	Fuse Resistor (Not shown)	CHIAN CHIA ELECTRONIC (SHENZHEN) CO LTD	1W	10Ω±2%.	NR
36	25e	X2 Capacitor	Various	Various	0.1 µF, 275/300/310 Vac, 110°C.	cURus
36	25f	Varistor	Various	Various	270V, 105°C or 125°C.	cURus
5	26	Fiberglass Sleeving	Various	Various	600V, 200 °C,	cURus
5	27	Lamp Wire	Various	1015	105°C, 600 VAC, VW-1. 18-22 AWG.	cURus
			Various	1332	200°C, 300 VAC, VW-1. 18-22 AWG.	cURus
7	28	Wire rope	Various	Various	Steel bare wire, twisted together, formed a ring at each end, overall 1.5 mm in diameter. For all models. Refer to illustration 1.1 for specific use.	NR
7, 13	29	Upper Motor Housing	Various	Various	Plated or painted steel, measured 0.8 mm in thickness, 215 mm OD, 105 mm in height. Secured to top of motor by screws.	NR
7	30	Lower Motor Housing	Various	Various	Plated or painted steel, measured 0.8 mm in thickness, 220 mm OD, 46.5 mm high. Secured to upper motor housing by screws.	NR
7, 13, 16, 20, 22, 30	31	Lamp Plate	Various	Various	Plated or painted steel, measured 0.8 mm in thickness, Secured to Lamp Plate Fixing Bracket by screws.	NR
7, 13, 22, 30	32	Polymeric Diffuser	ZHEN JIANG CHI MEI CHEMICAL CO LTD	CM-205 (X)(f1)	PMMA, rated HB, 95 °C, HWI=4, HAI=2, measured 2.0 mm in thickness. For model MW1010ZYX, MW1037ZYX, MW8550ZYX, MW8723ZYX.	cURus

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]
7	33	Blade B	Various	Various	3 or 4 provided. Each plywood, measured edge 5.3 mm in thickness, overall 440 to 520 mm length. Securing to Blade Fixing Bracket by screws. Used for model MW1010ZYX.	NR
9	34	Blade Fixing Bracket B	Various	Various	3 or 4 provided. Painted or plated steel, measured 2.5 mm in thickness. Secured to motor by screws. See illustration 5.10 for dimensions details.	NR
9	35	Lamp Plate Fixing Bracket	Various	Various	Plated or painted steel, measured 0.8 mm in thickness, Secured to bottom of motor by thread and nut.	NR
13	36	Blade C	NINGBO LG YONGXING CHEMICAL CO LTD	HI-121H	4 or 5 provided. ABS, rated HB, all color, 80 °C, measured edge 4.5 mm in thickness, overall 403.3 to 570 mm length. Securing to Blade Fixing Bracket by screws. Used for model MW1037ZYX.	cURus
14	37	Blade Fixing Bracket C	Various	Various	Painted or plated steel, measured 2.5 mm in thickness. Secured to motor by screws. See illustration 5.12 for details.	NR
16	38	Blade D	Various	Various	4 or 5 provided. Each plywood, measured edge 5.5 mm in thickness, overall 489 to 588 mm length. Securing to Blade Fixing Bracket by screws. Used for model MW1083ZYX.	NR
16, 20	39	Motor Housing Cover	Various	Various	Plated or painted steel, measured 0.8 mm in thickness, 185 mm OD, 37.0mm in height. Secured to coupling by screws.	NR
16	40	Upper Motor Housing	Various	Various	Plated or painted steel, measured 1.0 mm in thickness, max. 240 mm OD, 100 mm in height. Secured to Blade Fixing Bracket by screws.	NR
17	41	Component Panel	Various	Various	Plated or painted steel, measured 0.8 mm in thickness Secured to shaft of motor.	NR
18	42	Blade Fixing Bracket D	Various	Various	4 or 5 provided. Painted or plated steel, measured 2.5 mm in thickness. Secured to top of motor by screws. See illustration 5.15 for details. Used for model MW1083ZYX and MW1084ZYX.	NR
20	43	Blade E	Various	Various	4 or 5 provided. Each plywood, measured edge 5.5 mm in thickness, overall 480 to 581 mm length. Securing to Blade Fixing Bracket by screws. Used for model MW1084ZYX.	NR

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]
20	44	Upper Motor Housing	Various	Various	Plated or painted steel, measured 1.0 mm in thickness, 230 mm OD, 145 mm in height. Secured to Blade Fixing Bracket by screws.	NR
22	45	Blade F	NINGBO LG YONGXING CHEMICAL CO LTD	HI-121H	3 provided. ABS, rated HB, all color, 80 °C, measured edge 3.7 mm in thickness, overall 520 To 620 mm length. Securing to bottom of motor by screws. Used for model MW8550ZYX.	cURus
			Various	Various	3 provided. Each wooden, measured edge 10.0 mm in thickness, overall 618 mm length. Securing to bottom of motor by screws. Used for model MW8550ZYX.	NR
22	46	Upper Motor Housing	Various	Various	Plated or painted steel, measured 0.8 mm in thickness, 174 mm OD, 121 mm in height. Secured to top of motor by screws.	NR
27	47	Blade G	Various	Various	4 or 5 provided. Each plywood, measured edge 5.3 mm in thickness, overall 520 mm length. Securing to Blade Fixing Bracket by screws. Used for model MW8723ZYX.	NR
27	48	Blade Fixing Bracket G	Various	Various	4 or 5 provided. Painted or plated metal, consist of two parts, measured 1.8 mm in thickness. Secured to motor by screws. See illustration 5.19 for details. Used for model MW8723ZYX.	NR
27	49	Upper Motor Housing	Various	Various	Plated or painted steel, measured 0.8 mm in thickness, 172 mm OD, 82 mm in height. Provided several openings measured max. 14.0 X 5.0 mm. Secured to top of motor by screws.	NR
27	50	Lamp Plate Fixing Bracket	Various	Various	Plated or painted steel, measured 0.8 mm in thickness, 201 mm OD, 40 mm in height. Secured to shaft of motor by thread and nut.	NR
39	51	Fan Motor 1	ZHONGSHAN MIAOWANG ELECTRICAL APPLIANCE CO LTD	153*15mm	110-120V, 65W, class A. For models MW1010ZYX, MW1087ZYX, MW1083ZYX, MW1084ZYX, MW8723ZYX, MW8723AZYX, MW1101B42, MW8744ZYX.	See 5.0

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]
46	52	Upper Motor Housing	Various	Various	Plated or painted steel, measured 1.0 mm in thickness, max. 178mm OD, 40.5 mm in height. Secured to Blade Fixing Bracket by screws. Used for model MW1101B42.	NR
46	53	Motor Housing Cover	Various	Various	Plated or painted steel, measured 0.66 mm in thickness, 220 mm OD, 68.7 mm in height. Secured to top of motor by screws. For model MW1101B42.	NR
46, 51	54	Downrod	Various	Various	Plated or painted steel. Measured OD 26.5 mm, 125 mm length matched ball joint Type A; Measured OD 21.5 mm, 150 mm length matched ball joint Type B. Secured to Coupling by screws and a 5.8 mm in OD by a 45.7 mm long dowel pin passing through coupling and downrod, then a Bclip crossed dowel pin. For all models.	NR
46, 51	55	Ball Joint	Various	Various	Aluminum alloy. Measured min. 2.5 mm in thickness. The component has two kinds of dimensions. Type A measured 50.0 mm OD, 21.0 mm height; Type B meaured 50.0 mm OD, 23.0 mm height. Secured to downrod by a 5.8 mm OD by 35.0 mm long dowel pin passing through downrod; a 4.2 mm width, 4.0 mm deep slot for matching the fixing projection on the mounting bracket, and a setscrew threaded into downrod. For all models.	NR
46	56	Coupling Cover	Various	Various	Plated or painted steel, measured 0.55 mm in thickness.For models MW1101B42	NR
46	57	Lamp plate	Various	Various	Plated or painted steel, measured 0.8 mm in thickness, Secured to Lamp Plate Fixing Bracket by screws.	NR

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]
46	58	Glass Diffuser	Various	Various	Glass. Min. 3 mm in thickness. Secured to lamp plate by screws. Used for model MW1101B42.	NR
46, 51	59	Canopy	Various	Various	Plated or painted steel, measured 0.7 mm in thickness. Secured to mounting bracket by screws. For all models. See illustration 5.22 for dimensions details.	NR
46, 51	60	Mouting bracket	Various	Various	Die-cast zinc alloy or Aluminum alloy, measured overall 148 mm x 65 mm x 56 mm in length X width X height, 2.0 mm in thickness at top portion of mounting feet. Bottom portion provided with a Φ 56 mm diameter opening for Ball Joint with a integral tab to engage withthe groove of Ball Joint. For all models. See illustration 5.21 for dimensions details.	NR
46	61	Blade H	Various	Various	4 provided. Each plywood, measured edge 5.5 mm in thickness, overall 455 mm length. Securing to Blade Fixing Bracket by screws. Used for model MW1101B42. See illustration 5.23 for dimensions details.	NR
47	62	Blade Fixing Bracket H	Various	Various	4 provided. Painted or plated steel, measured 2.0mm in thickness. Secured to top of motor by screws. Used for model MW1101B42. See illustration 5.24 for dimensions details.	NR

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]
48	63	Lamp holder	RUI CHENG ELECTRICAL PART FACTORY	E26-104 RS-1905-1 RS-1908A	250V, 660W, 220°C, E26.The screwshell was connected to the neutral conductor.	cURus
49	64	LED lamp	DONG GUAN JOYYEN LIGHTING &ELECTRICAL APPLIANCE CO., LTD	A19-4M-E26	120V, 7W, 3000K, 800lm Ra>84 Dimmable.	ETLus
51	65	Motor Housing Cover	Various	Various	Plated or painted steel, measured 0.74 mm in thickness, 260mm OD, 49 mm in height. Secured to top of motor by screws. For model MW8744ZYX .	NR
51	66	Glass Diffuser	Various	Various	Glass. Min. 2.92 mm in thickness. Secured to lamp plate by physical fit. For model MW8744ZYX.	NR
51	67	Upper Motor Housing	Various	Various	Plated or painted steel, measured 0.74 mm in thickness, 260mm OD, 76 mm in height. Secured to top of motor by screws. For model MW8744ZYX.	NR
51	68	Coupling Cover	Various	Various	Plated or painted steel, measured 0.46 mm in thickness.For model MW8744 ZYX.	NR
52	69	Lamp plate	Various	Various	Plated or painted steel, measured 0.74mm in thickness, Secured to Lamp Plate Fixing Bracket by screws.	NR
52	70	Blade I	Various	Various	4 or 5 provided. Each plywood, measured edge 5.5 mm in thickness, overall 575 mm length. Securing to Blade Fixing Bracket by screws. Used for model MW8744ZYX. See illustration 5.25 for dimensions details.	NR
52	71	Blade J	Various	Various	4 or 5 provided. Each plywood, measured edge 5.5 mm in thickness, overall 575 mm length. Securing to Blade Fixing Bracket by screws. For model MW8744 ZYX. See illustration 5.26 for dimensions details.	NR

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]
52	71a	Blade Fixing Bracket I and J	Various	Various	4 or 5 provided. Painted or plated steel, measured 2.5mm in thickness. Secured to top of motor by screws. For models MW8744 series. See illustration 5.27 for dimensions details.	NR
53	72	LED module cover	NINGBO LG YONGXING CHEMICAL CO LTD	LUPOY EF-1006F(m)	PC, all color, rated 5VA, 115°C, measured 2.5 mm in thickness. Securd to the Lamp Plate by screws.	cURus
53	73	LED Module-2	ZHONGSHAN MIAOWANG ELECTRICAL APPLIANCE CO LTD	MW-160B-24W	AC110-130V, 24W.	NR
54	74	Controller-2	ZHONGSHAN MIAOWANG ELECTRICAL APPLIANCE CO LTD	EHGA02	Tested and accepted:AC120V, 60Hz, Max 1.5A for motor, 24W for light. (Marked:AC120V, 60Hz, Max 1.5A for motor, 300W for light.) For all models.	NR
54	74a	Enclosure of Controller-2	NINGBO LG YONGXING CHEMICAL CO LTD	LUPOY GN-5007F(#)	ABS/PC, aII color, V-0, 95°C, HWI=3, HAI=0, thickness1 .5mm	cURus
56	75	Y capacitor of Controller-2	JYH CHUNG ELECTRONICS CO LTD	JY	400VAC, 2200pF, T125, class Y2. Two provided.	cURus
			DONGGUAN JYHWEI ELECTRONICS CO LTD	JN	400VAC, 2200pF, T125, class Y2. Two provided.	
			Various	Various	400VAC, 2200pF, T125, class Y2.	
56	76	Varistor of Controller-2	Fujian Qiaoguang Electronic Technology Co Ltd	FTR07D561K	560V, 125°C.	cURus
			Various	Various	560V, 125°C.	cURus
56	77	Inductor(L1) of Controller-2	Various	Various	Rated 1.3mH, Class 155. Turns: 188. (It consisted of 77a, 77b)	NR
56	77a	Winding of Inductor(L1) (Not shown)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD	UEWN/U@	Class 155. Φ0.25mm.	cURus
56	77b	Heat shrinkable tube of Inductor(L1) (Not shown)	Various	Various	600V, 125°C, VW-1.	cURus

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]
56	78	Relay of Controller-2	Zhongshan City Daoheng Relay Co Ltd	DH3F series	AC 250 V, 10A, T105, 100000 cycles. Coil voltage: 12V. Two provided.	cURus
			Zhongshan Xiaolan GuoKE Relay Factory	GK3FF series	AC 250 V, 10A, T105, 100000 cycles. Coil voltage: 12V. Two provided.	cURus
56	79	X capacitor(CX3) of Controller-2	GUANGDONG FENGMING ELECTRONIC TECH CO LTD	MKP-X2	275VAC, 2.0uF-8.0uF, 105°C. Class X2.	cURus
			Various	Various	275VAC, 2.0uF-8.0uF, 105°C. Class X2. Dry metallized-polypropylene film capacitor.	cURus
56	80	Capacitor(CX4) of Controller-2	SMILER ELECTRONIC INDUSTRIAL CO LTD	CBB61	300VAC, 2.0uF-8.0uF, 85°C.	cURus
			Various	Various	300VAC, 2.0uF-8.0uF, 85°C. Dry metallized-polypropylene film capacitor.	cURus
56	81	Current fuse of Controller-2	DONGGUAN REOMAX ELECTRONICS TECHNOLOGY CO LTD	MTS	250V, 3.15A.	cURus
			XIAMEN DEXIAN ELECRTONICS TECHNOLOGY CO LTD	DET	250V, 3.15A.	cURus
56	82	Opto-coupler	LITE-ON TECHNOLOGY CORP	MOC3021	Double Protected optical isolators having an isolation voltage of 5300 Vac.	cURus
56	83	Inductor(L5) of Controller-2	Various	Various	Rated 2.0mH, Class 130. Turns: 250. (It consisted of 83a, 83b)	NR
56	83a	Winding of Inductor(L5) (Not shown)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD	UEW/U@	Class 130. Φ0.25mm.	cURus
56	83b	Heat shrinkable tube of Inductor(L5) (Not shown)	Various	Various	600V, 125°C, VW-1.	cURus
56	84	Inductor(L2) of Controller-2	Various	Various	Rated 1.0mH,Class 130. Turns: 165. (It consisted of 84a, 84b)	NR
56	84a	Winding of Inductor(L2) (Not shown)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD	UEW/U@	Class 130. Φ0.25mm.	cURus

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]
56	84b	Heat shrinkable tube of Inductor(L2) (Not shown)	Various	Various	600V, 125°C, VW-1.	cURus
56	85	Inductor(L3) of Controller-2	Various	Various	Rated 4.7uH, Class 130. Turns: 13. (It consisted of 85a, 85b)	NR
56	85a	Winding of Inductor(L3) (Not shown)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD	UEW/U@	Class 130. Φ0.25mm.	cURus
56	85b	Heat shrinkable tube of Inductor(L3) (Not shown)	Various	Various	600V, 125°C, VW-1.	cURus
56	86	Inductor(L4) of Controller-2	Various	Various	Rated 3.3mH,Class 130. Turns: 325. (It consisted of 86a, 86b)	NR
56	86a	Winding of Inductor(L4) (Not shown)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD	UEW/U@	Class 130. Φ0.25mm.	cURus
56	86b	Heat shrinkable tube of Inductor(L4) (Not shown)	Various	Various	600V, 125°C, VW-1.	cURus
56	87	X capacitor(CX1, CX2,CX5) of Controller-2	Dongguan Weiqing Electronic Co Ltd	MPX	300VAC, 0.1uF or 0.22 uF, T110. Class X2.	cURus
			Various	Various	300VAC, 0.1uF or 0.22 uF, T110. Class X2.	cURus
56	88	PCB of Controller-2	DONGGUAN SOMACIS GRAPHIC PCB CO LTD	MH2	Rated V-0, 130 °C, 1.2 mm thickness. Meet UL 796.	UR
			Various	Various	Rated V-0, 130 °C, 1.2 mm thickness. Meet UL 796.	UR
58	89	Remote control	Various	Various	Must not be powered by coin on button cells - No other requirements exist.	NR

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
2	6	Fan Motor	ZHONGSHAN MIAOWANG ELECTRICAL APPLIANCE CO LTD	153*18mm

Electrical Rating:	110-120V, 65W	Insulation class A
Component Standard used:	UL 1004-2 2014 Ed.2+R 06Feb2015, CSA C22.2#77:2014 Ed.8+E1	

MATERIALS LIST

Component	Manufacturer	Type/model	Dimensions/thickness/assembly information
Upper Enclosure	Various	Various	Plated or painted metal, measured thickness min. 1.2 mm, OD Φ153.0 mm, high 22.5 mm.
Lower Enclosure	Various	Various	Plated or painted metal, measured thickness min. 1.2 mm, OD Φ153.0 mm, high 22.5 mm.
Motor Core	Various	Various	Steel metal, measured 18mm in height.
Magnet Wire	HESHAN CITY TEHSING HUANCHIU ELECTRIC CABLE CO LTD	*UEW/130	Polyester coated copper wire, rated 130°C
		QA-*/130	Polyester coated copper wire, rated 130°C
Fiberglass Sleeving	Various	Various	Silicone rubber coated fiberglass sleeving, 200 ºC, 600 V, VW-1.
Cable Tie	Various	Various	Rated at least 105 °C.
Insulation Sheet	KINGFA SCI & TECH CO LTD	PET-R3G40	PET, all color, V-0, 130 °C, measured thickness 0.188 mm. Minimum 2.4 mm spacing are maintained between magnet wire and silicon steel sheet.
Heat Shrink Tubing	Various	Various	600 V, 125 °C, VW-1.
Lead Wire	Various	1010	22 AWG, 300 V, 105°C, VW-1.

WINDING(S) RESISTANCE

Winding Designation	Wire Size (mm)	Wire Type	Turns	Volts	Amps	DC resistance (Ω) +/- 10%:
Main Winding (Pink-Yellow)	0.29	Magnet Wire	225	NA	NA	81
Aux. Winding (Red-White)	0.29	Magnet Wire	228	NA	NA	75

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	Test Time
	Live parts to dead metal parts	1240Vac	60s

5.0 Critical Unlisted CEC Components

INSULATED COIL

Photo #	Item no.	Name	Manufacturer/Trademark	Type / model
39	51	Fan Motor 1	ZHONGSHAN MIAOWANG ELECTRICAL APPLIANCE CO LTD	153*15mm

Electrical Rating:	110-120V, 65W	Insulation class A
Component Standard used:	UL 1004-2 2014 Ed.2+R 06Feb2015, CSA C22.2#77:2014 Ed.8+E1	

MATERIALS LIST

Component	Manufacturer	Type/model	Dimensions/thickness/assembly information
Upper Enclosure	Various	Various	Plated or painted metal, measured thickness min. 1.2 mm, OD Φ153.0 mm.
Lower Enclosure	Various	Various	Plated or painted metal, measured thickness min. 1.2 mm, OD Φ153.0 mm.
Motor Core	Various	Various	Steel metal, measured 15mm in height.
Magnet Wire	HESHAN CITY TEHSING HUANCHIU ELECTRIC CABLE CO LTD	*UEW/130	Polyester coated copper wire, rated 130°C.
		QA-*/130	Polyester coated copper wire, rated 130°C.
Fiberglass Sleeving	Various	Various	Silicone rubber coated fiberglass sleeving, 200 ºC, 600 V, VW-1.
Cable Tie	Various	Various	Rated at least 105 °C.
Insulation Sheet	KINGFA SCI & TECH CO LTD	PET-R3G40	PET, all color, V-0, 130 °C, measured thickness 0.188 mm. Minimum 2.4 mm spacing are maintained between magnet wire and silicon steel sheet.
Heat Shrink Tubing	Various	Various	600 V, 125 °C, VW-1.
Lead Wire	Various	1010	22 AWG, 300 V, 105°C, VW-1.

WINDING(S) RESISTANCE

Winding Designation	Wire Size (mm)	Wire Type	Turns	Volts	Amps	DC resistance (Ω) +/- 10%:
Main Winding (Pink-Yellow)	0.29	Magnet Wire	225	NA	NA	77
Aux. Winding (Red-White)	0.29	Magnet Wire	228	NA	NA	67

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	Test Time
	Live parts to dead metal parts	1240VAC	60s

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, 3.2 mm minimum spacing are maintained through air and over surfaces of insulating material between current-carrying parts of opposite polarity and between such 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 are connected to the grounding lead of the power supply.
6. Polarized Connection - This product is provided with a polarized power supply connection. All single pole switches and fuses are connected only to the ungrounded supply circuit conductor.
7. 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.
8. Schematics - Refer to Illustration Nos. 4.1 to 4.2 for schematics requiring verification during Field Representative Inspection Audits.
9. Markings - The product is marked on a labeling system as described in item no. 1 of Section 4.0 as follows:
   - Brand name or applicant's name
   - Model name
   - Date of manufacture
   - Electrical ratings (voltage, power and frequency)

   Refer to Illustration No. 1.1 for layouts
10. Cautionary Markings - Refer to Illustration No. 2.1, 2.2 for layouts.
11. Installation, Operating and Safety Instructions - Installation, Operating and Safety Instructions -The instructions shall be legible and shall include the words "READ AND SAVE THESE INSTRUCTIONS", which shall be more prominent than the general text used in the manual, booklet, or the like. The instruction shall include product details (such as product weight, model or series), installation instruction, and instructions pertaining to a risk of fire, electric shock, or injury to persons, for cleaning and user-maintenance,and shall includ the wordings which warn the user to unplug or disconnect the appliance from the power supply before servicing.
    Refer to Illustration No. 6.1 to 6.2 for layouts

6.0 Critical Features

12. Logo Dependent Marking - The required marking is dependent on the specific ETL logo applied to the product as authorized by the Authorization to Mark. In addition to the required marking of item 9 and 10 above, all products bearing the cETLus logo must also be marked with the following applicable french text:

    "ATTENTION: Pour réduire le risque d'accident corporel, veillez à installer le ventilateur de sorte que les pales soient à 2, 1 m (7 pieds) au moins du sol."

    "AVERTISSEMENT: Pour éviter les incendies, les décharges électriques ou les blessures, branches le ventilateur sur une boîte de sortie marquée《Acceptable Pour le Support du Ventilateur de 15.9Kg(35lbs) oumoins》et Utilisez les Vis de Montage Foumies avec la Boîte de Sortie."

    "AVERTISSEMENT: La plupart des boîtes de sortie généralement utilisées pour les luminaires ne sont pas《Adaptées au support du ventilateur》et devront peut-être être remplacées. En cas de doute, consultez un électricien qualifié."

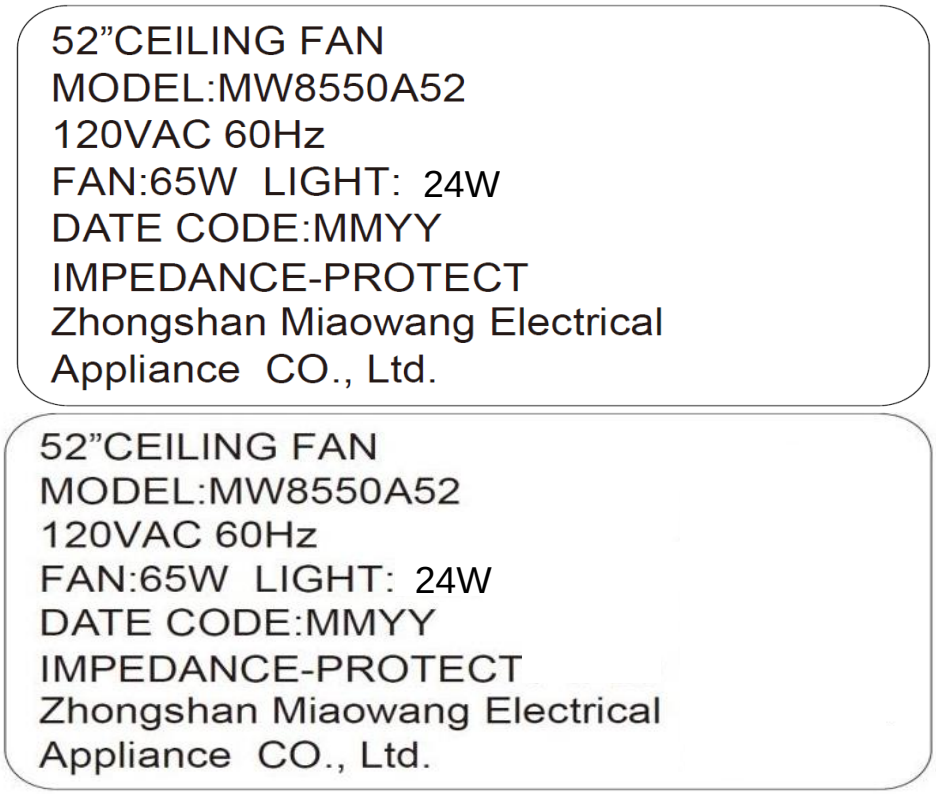
13. Production Control - The manufacturer controls are required as follow:
    a. Sales get order from buyer and then technical department generate BOM. If the product is sold to USA, the text "USA" or equivalent wording will be added to the components code description; If the product is sold to Canada, the text "Canada "or equivalent wording will be added to the components code description.
    b. After production, Quality Engineer will check the product with BOM. Refer to illustration 1 for detail.

7.0 Illustrations

Illustration 1 - Table of version differences per model number.

Section	Item	Specific Difference	Logo Restriction
4	5	Lead wire with model 1010 or 1332	ETLus only
4	5	Lead wire with model 1015	none
4	20	Internal wire with model 1010 or 1332	ETLus only
4	20	Internal wire with model 1015	none
6	10	Cautionary text - English and French	none
6	12	Logo dependent text - without specified French text	ETLus only

Illustration 1.1 - Nameplate



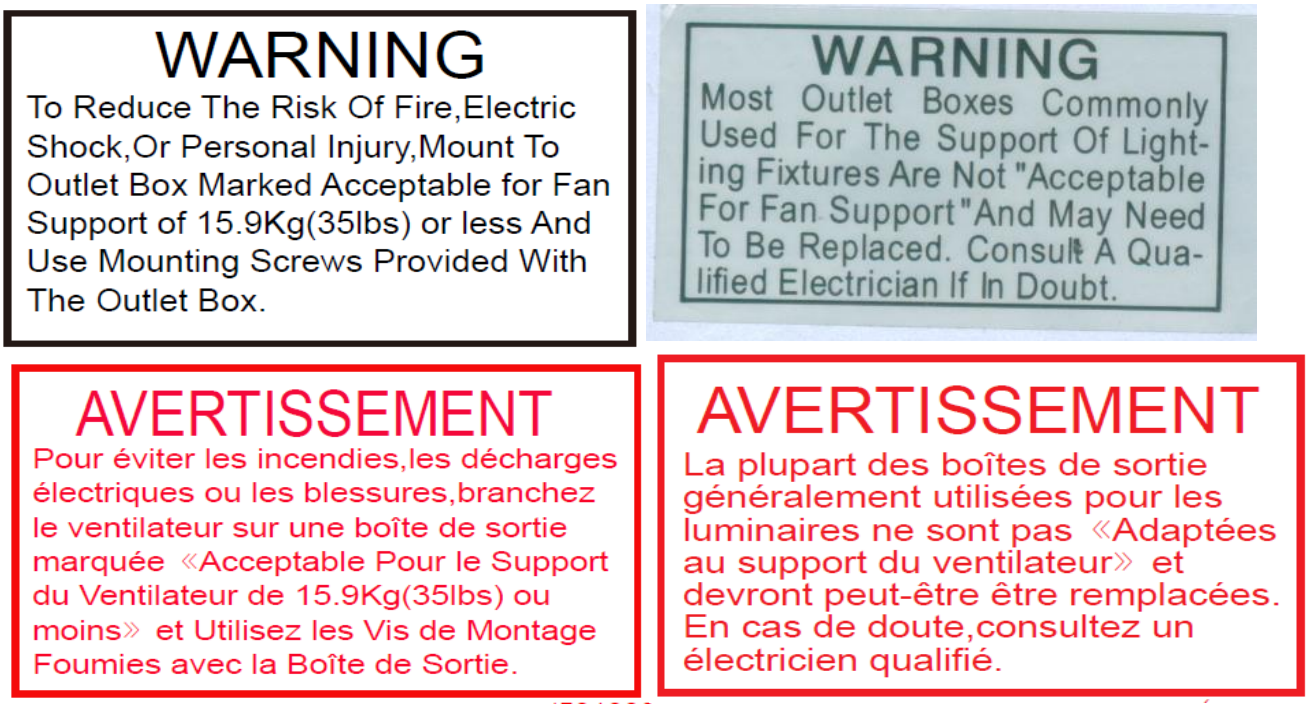
Note: Date code MMYY, MM denote month of manufacture, YY denote year of manufacture

7.0 Illustrations

Illustration 2.1 - Caution marking

Note:
1. The word "CAUTION" shall be in capital letters not less than 2.4 mm (3/32 inch) high.
2. This marking shall be readily visible during installation of the fan.

Illustration 2.2 - Caution marking



Note:

1. The word "WARNING" shall be in capital letters not less than 2.4 mm (3/32 inch) high.

2. This marking shall be readily visible during installation, and it shall also be marked on the carton. When the marking be located on a carton, it shall be located on at least one outside surface other than the bottom, and appear in lettering not less than the height 6.4 mm (the minimum lettering height applies to the capital letters).

Illustration 2.3 - Caution marking for LED lamp replacement of model MW1101ZYX

2x Max.10W E26, Type B, LED lamp

CAUTION – RISK OF FIRE. USE ONLY LED LAMPS IN THIS LUMINAIRE. INCANDESCENTAND HALOGEN LAMPS MAY CAUSE SEVERE THERMAL DAMAGE

7.0 Illustrations

Illustration 3.1 - Assembly Drawing for model MW1010ZYX

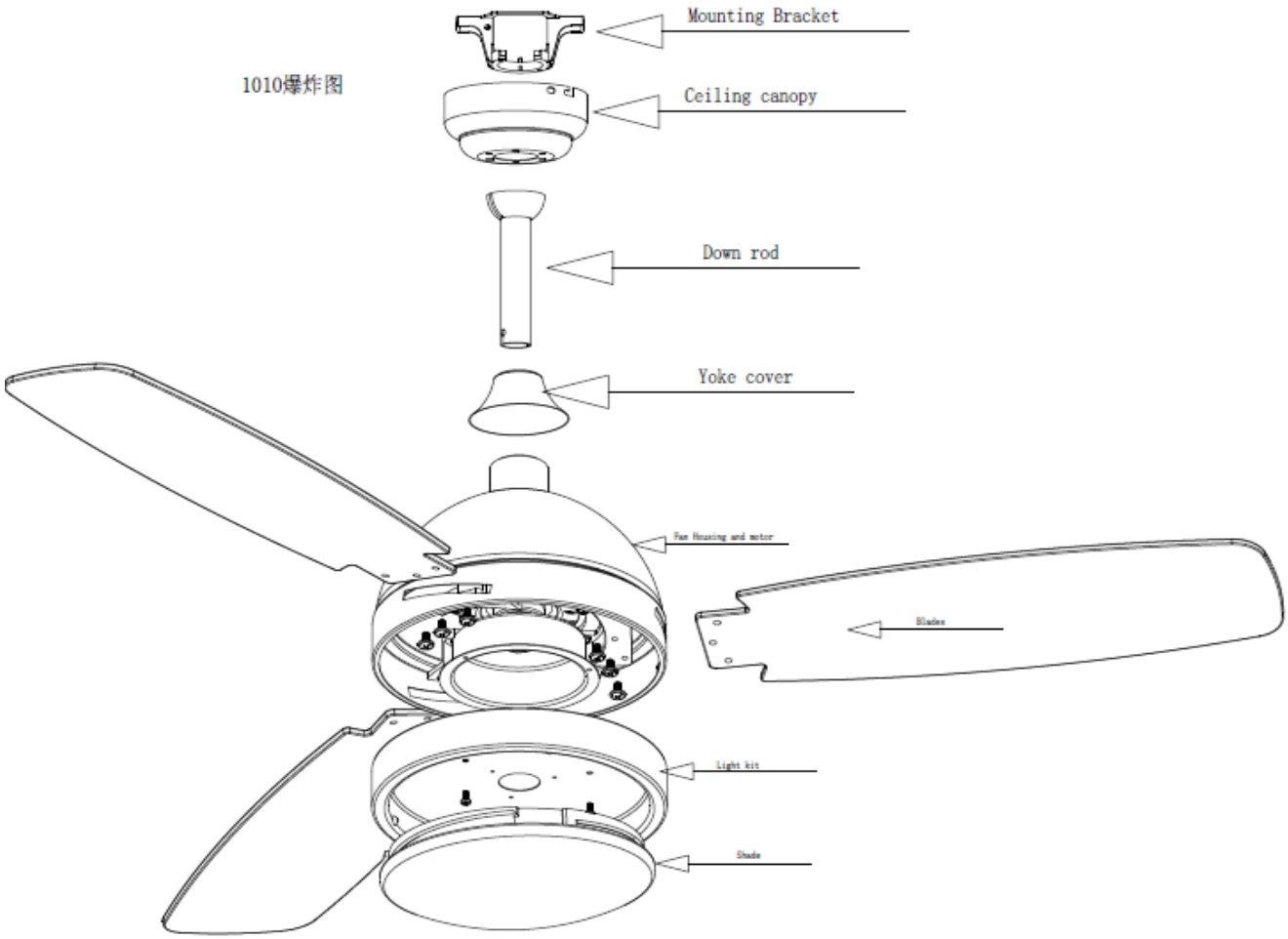
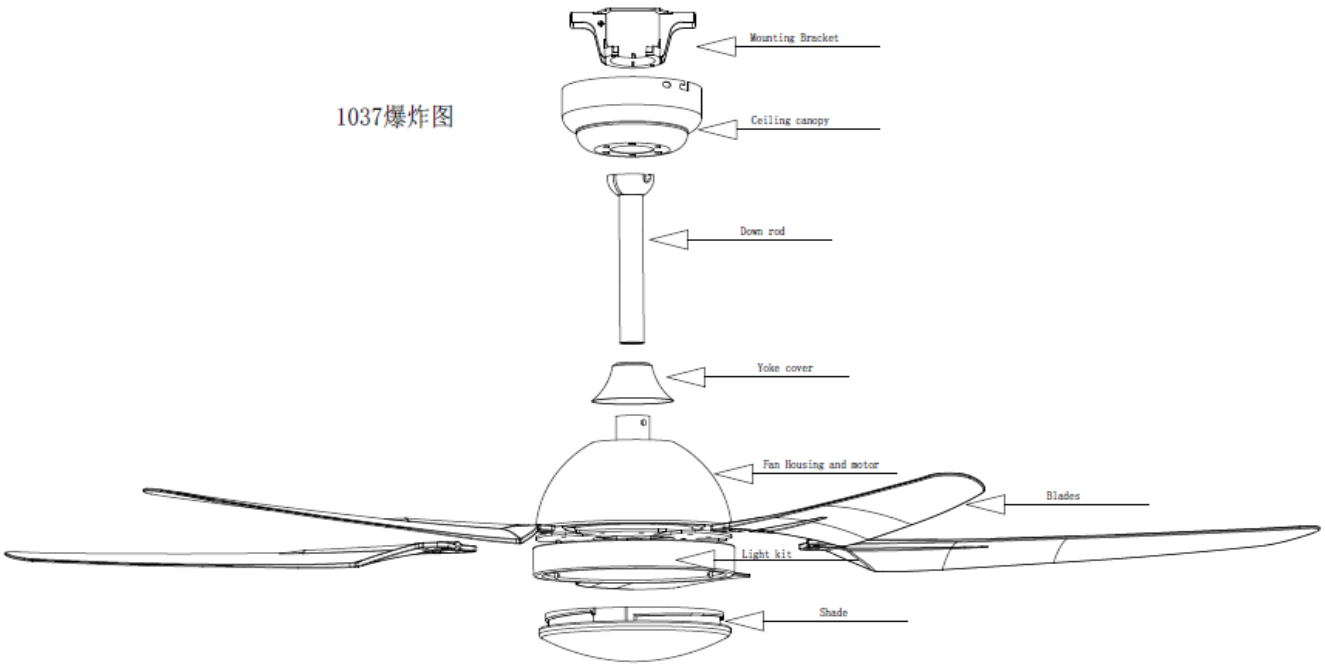


Illustration 3.2 - Assembly Drawing for model MW1037ZYX



7.0 Illustrations

Illustration 3.3 - Assembly Drawing for model MW1083ZYX

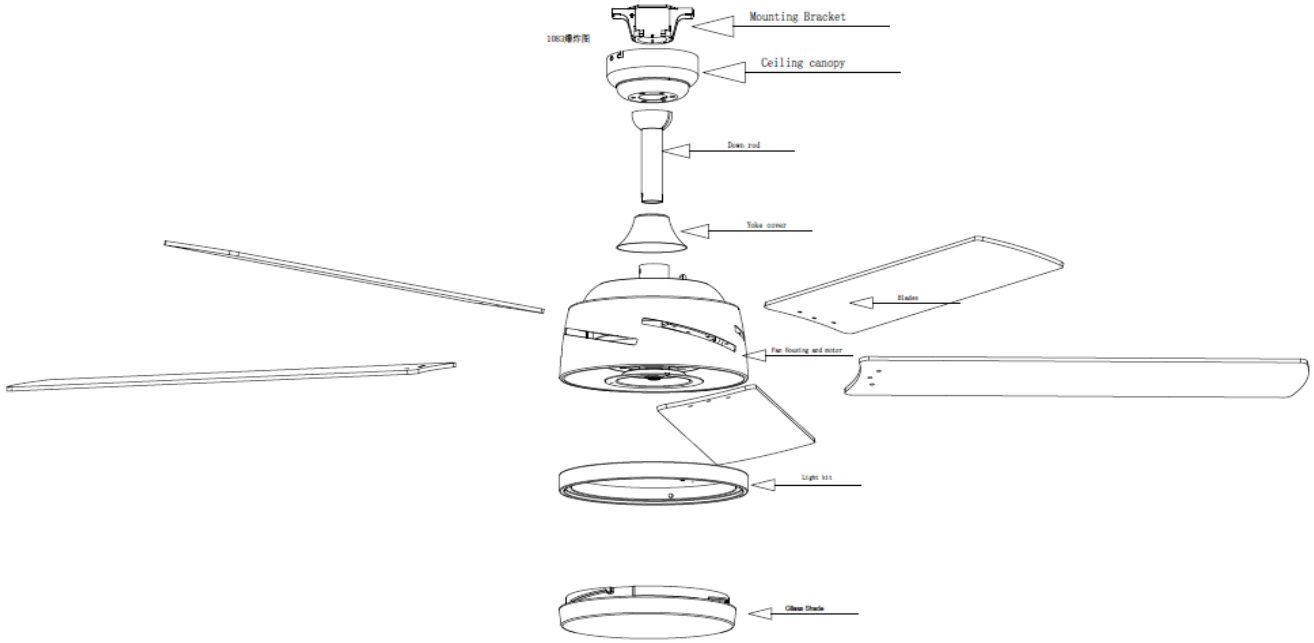
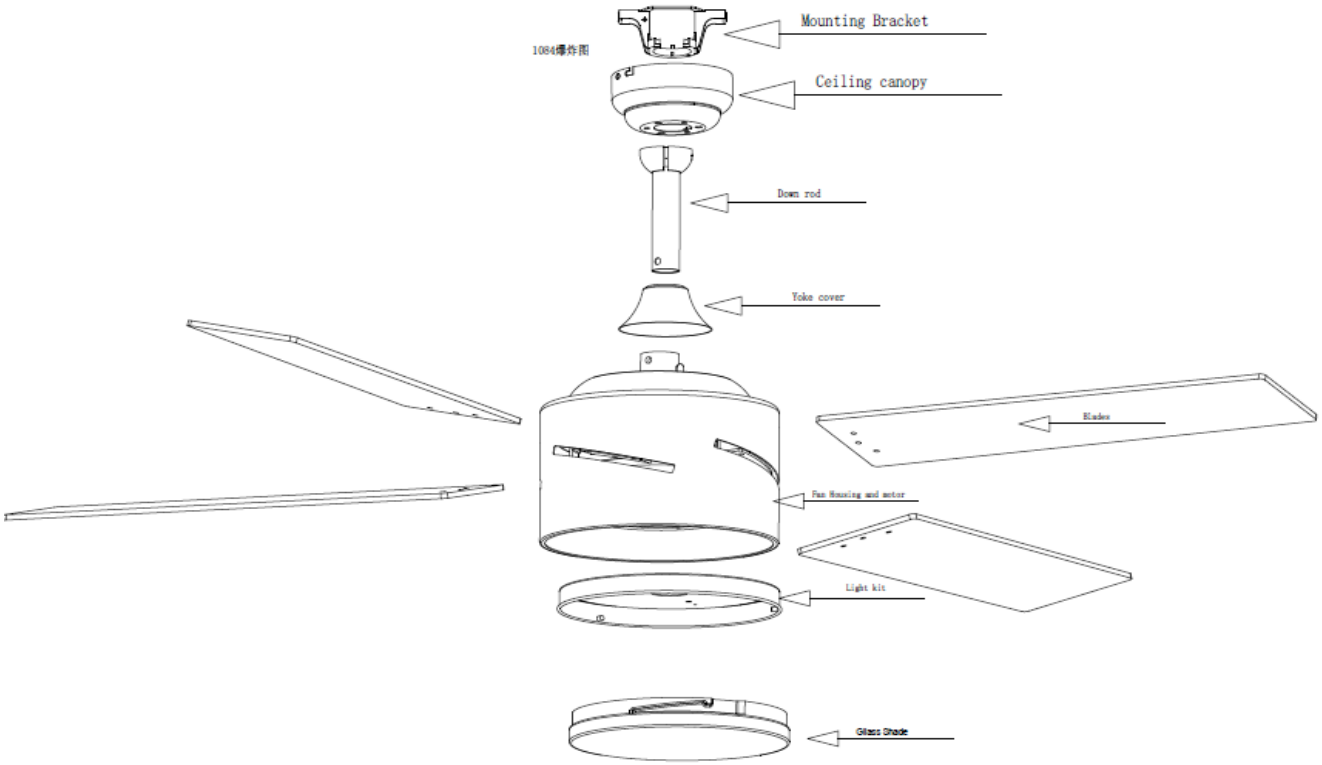


Illustration 3.4 - Assembly Drawing for model MW1084ZYX



7.0 Illustrations

Illustration 3.5 - Assembly Drawing for model MW1087ZYX

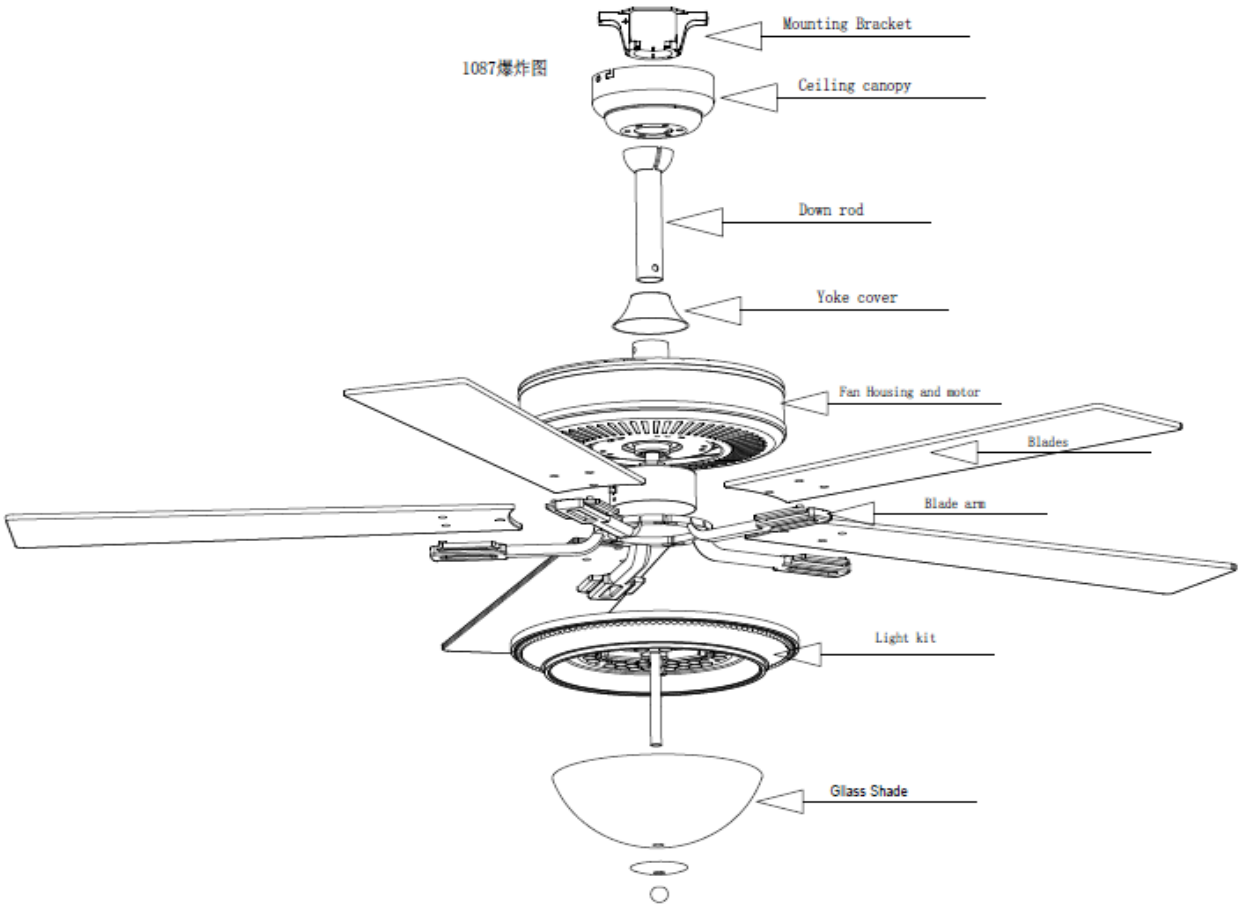
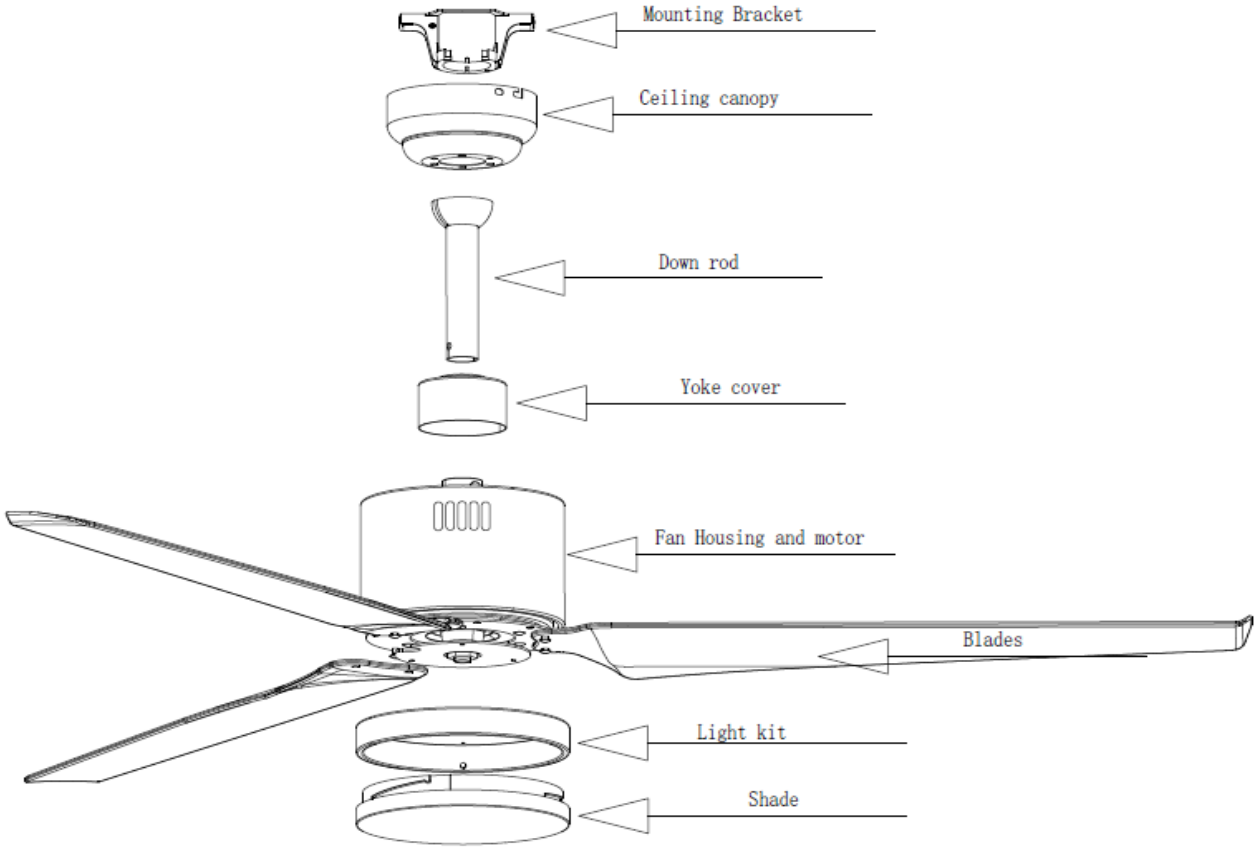


Illustration 3.6 - Assembly Drawing for model MW8550ZYX



7.0 Illustrations

Illustration 3.7 - Assembly Drawing for model MW8723ZYX

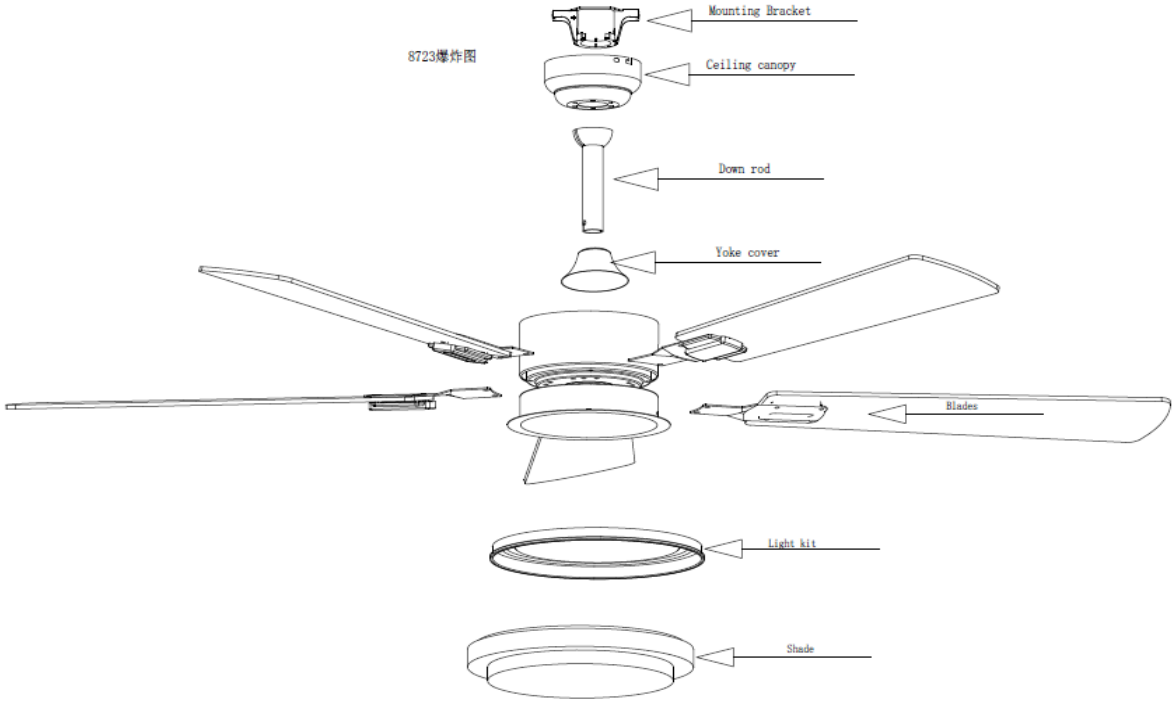
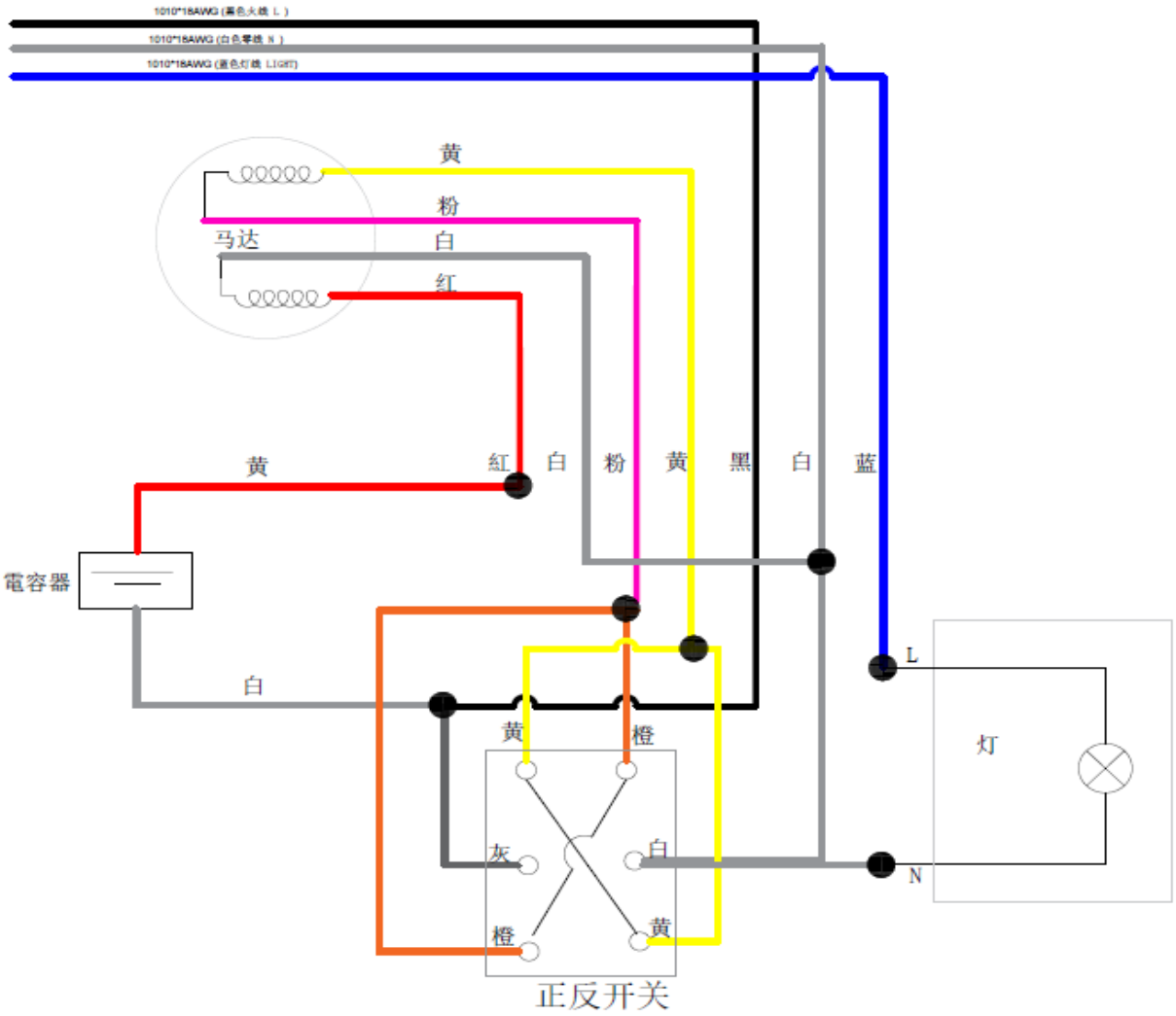


Illustration 4.1 - Wiring Diagram for all model



7.0 Illustrations

Illustration 4.2 - Wiring Diagram for LED module, MW-160-24W, MW-160B-24W

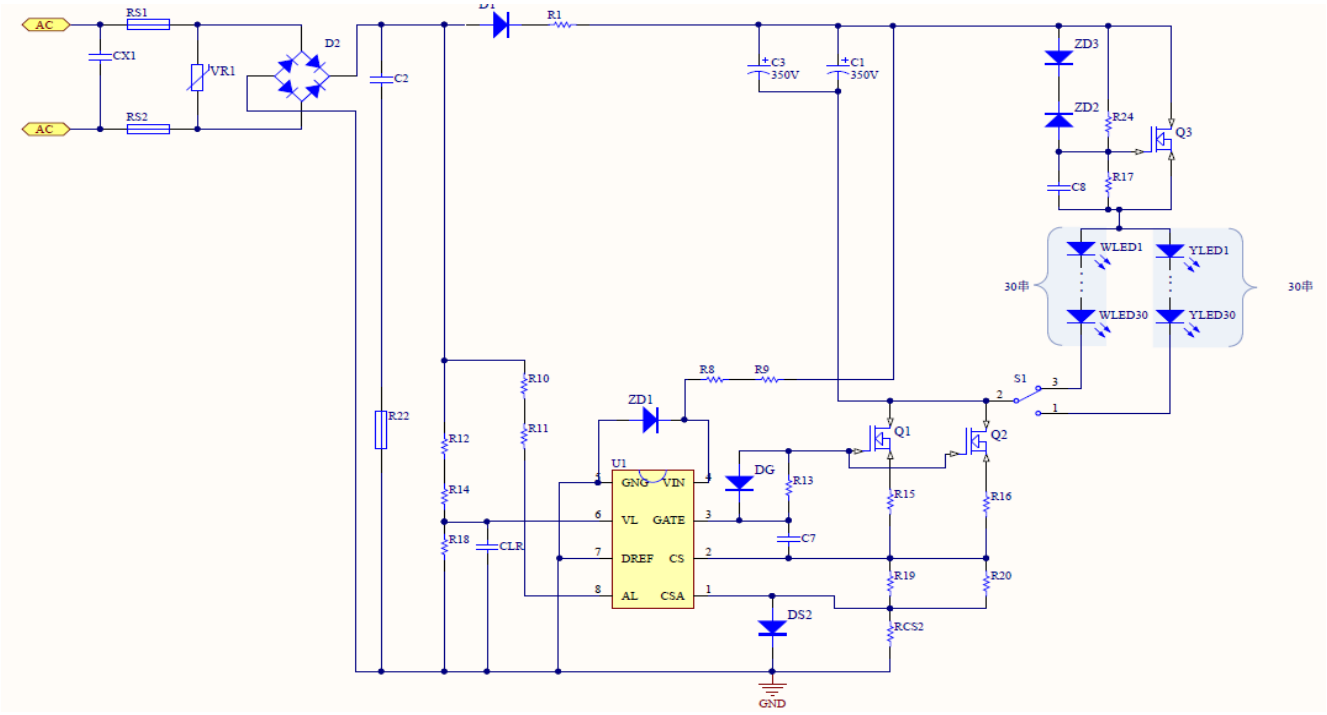
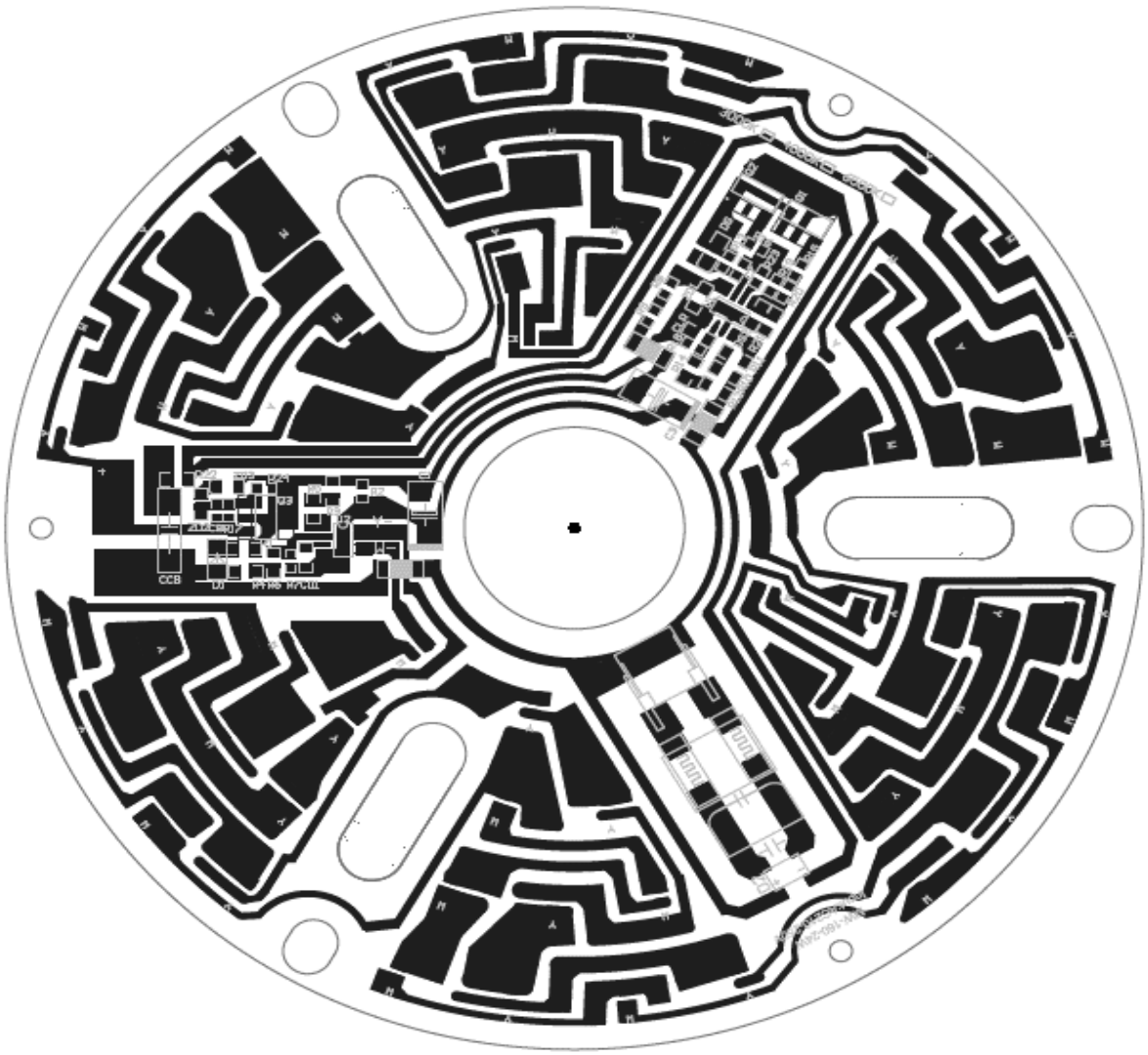
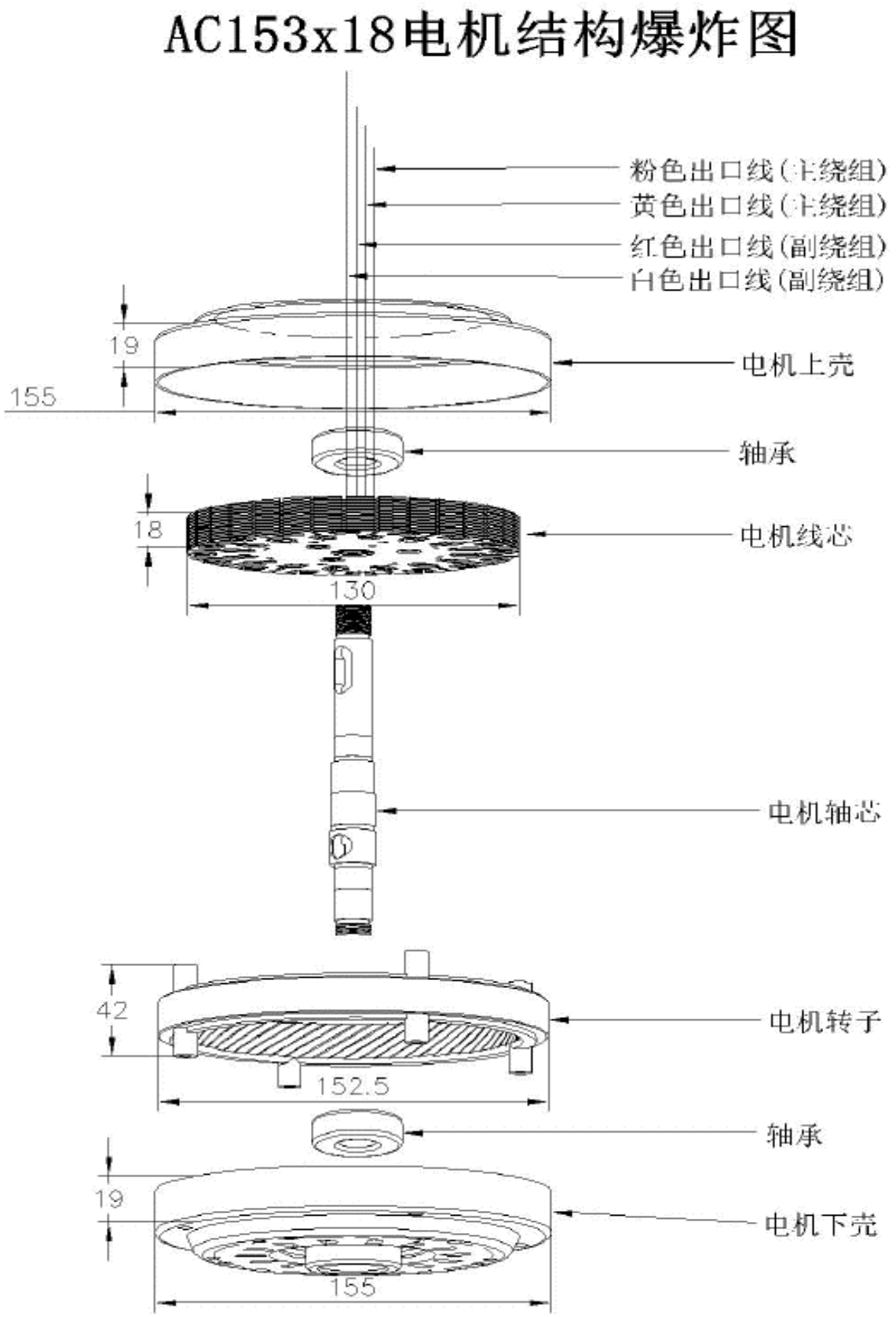


Illustration 4.3 - PCB Layout for LED module, MW-160-24W



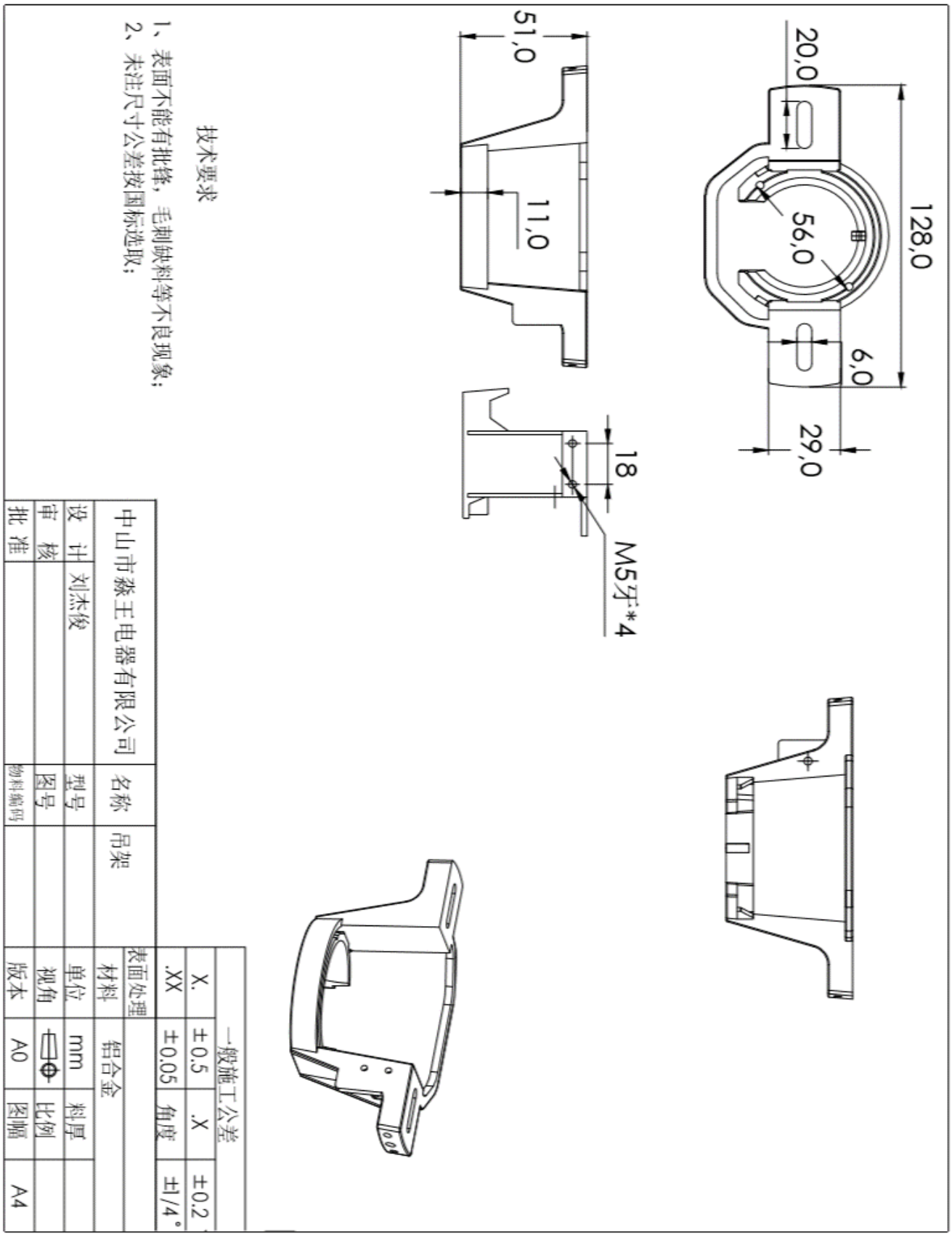
7.0 Illustrations

Illustration 5.1 - Specification of unlisted motor, 153*18mm



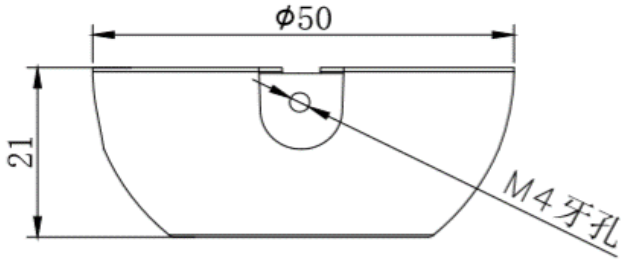
7.0 Illustrations

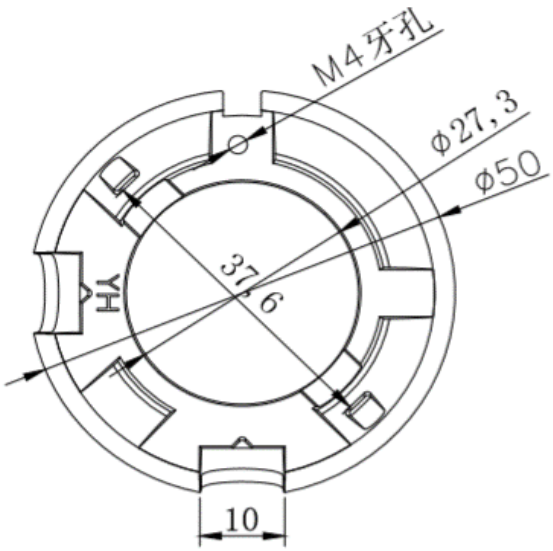
Illustration 5.2 - Drawing of Mounting Bracket for all models



7.0 Illustrations

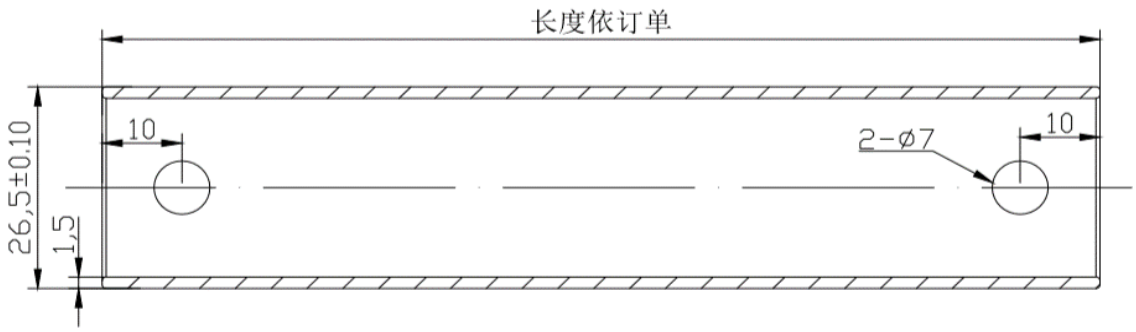
Illustration 5.3 - Drawing of Ball joint Type A





		一般施工公差			
		X. ±0.5	.X	±0.2	
		.XX ±0.05	角度	±1/4°	
中山市淼王电器有限公司	名称	φ50大孔铝吊球	表面处理		
	型号		材料	铝合金	
			单位	mm	料厚
设计 吴敢森	图号		视角		比例
审核	物料编码		共 张	第 张	
批准	文件编号		版本 A0	图幅 A4	

Illustration 5.4 - Drawing of Downrod that matched Ball joint Type A

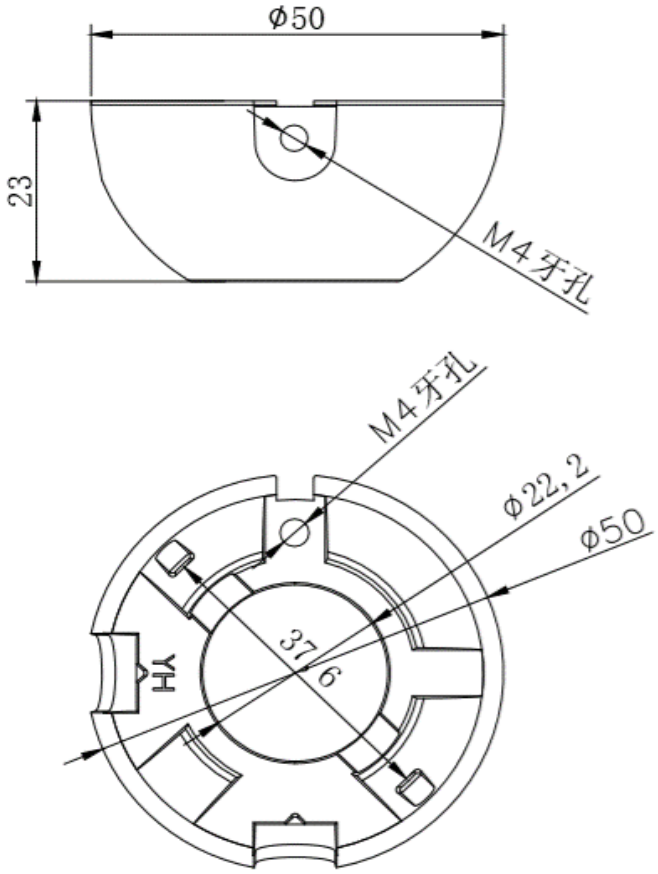


技术要求:
1)表面不能有批锋,锐边,起皱及拉伸痕;
2)表面适于用电镀或喷漆处理;
3)未标注倒圆角R.5

		一般施工公差			
		X. ±0.5	.X	±0.2	
		.XX ±0.05	角度	±1/4°	
中山市淼王电器有限公司	名称	吊杆 φ26.5*125*1.5T	表面处理		
	型号		材料	A3	
			单位	mm	料厚
设计 梁建辉	图号	03003-000	视角		比例
审核	物料编码		共 1 张	第 1 张	
批准	文件编号		版本 A0	图幅 A4	

7.0 Illustrations

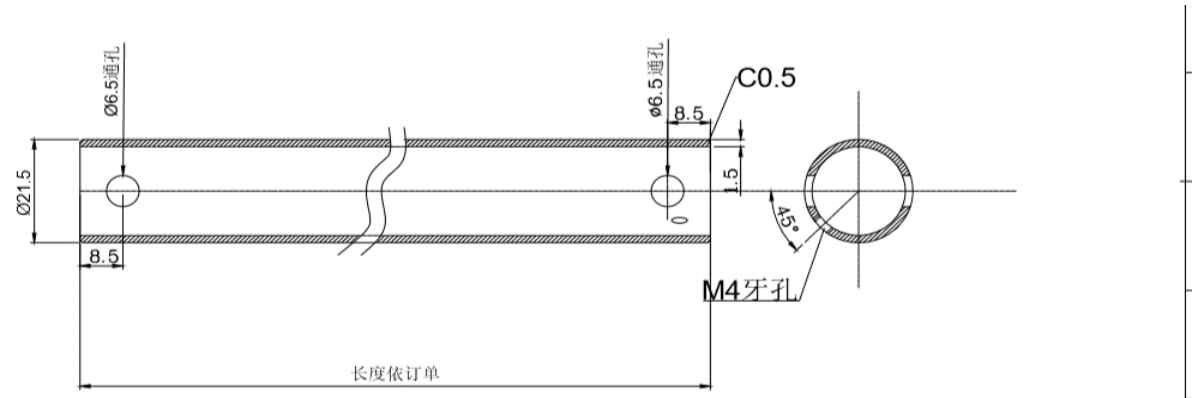
Illustration 5.5 - Drawing of Ball joint Type B



一般施工公差			
X.	±0.5	.X	±0.2
.XX	±0.05	角度	±1/4°

中山市淼王电器有限公司		名称	Φ50小孔铝吊球	表面处理			
				材料	铝合金		
		型号		单位	mm	料厚	
设计	吴敢淼	图号	01002-000	视角		比例	
审核		物料编码	71400000024	共 张		第 张	
批准		文件编号		版本	A0	图幅	A4

Illustration 5.6 - Drawing of Downrod that matched Ball joint Type B



一般施工公差			
X.	±0.5	.X	±0.2
.XX	±0.05	角度	±1/4°

表面不能有披锋、毛刺、缩水、气泡、变形、缺料等不良现象；
材料必须为一次原料；
)为重点检查尺寸。

中山市淼王电器有限公司		名称	Φ21.5*150*1.5T吊杆	表面处理			
				材料			
		型号		单位	mm	料厚	1.5
设计	吴敢淼 2020-3-11	图号		视角		比例	
审核		物料编码		共 1 张		第 1 张	
批准		文件编号		版本	A0	图幅	A4

7.0 Illustrations

Illustration 5.7 - Drawing of Blade for model MW1087ZYX

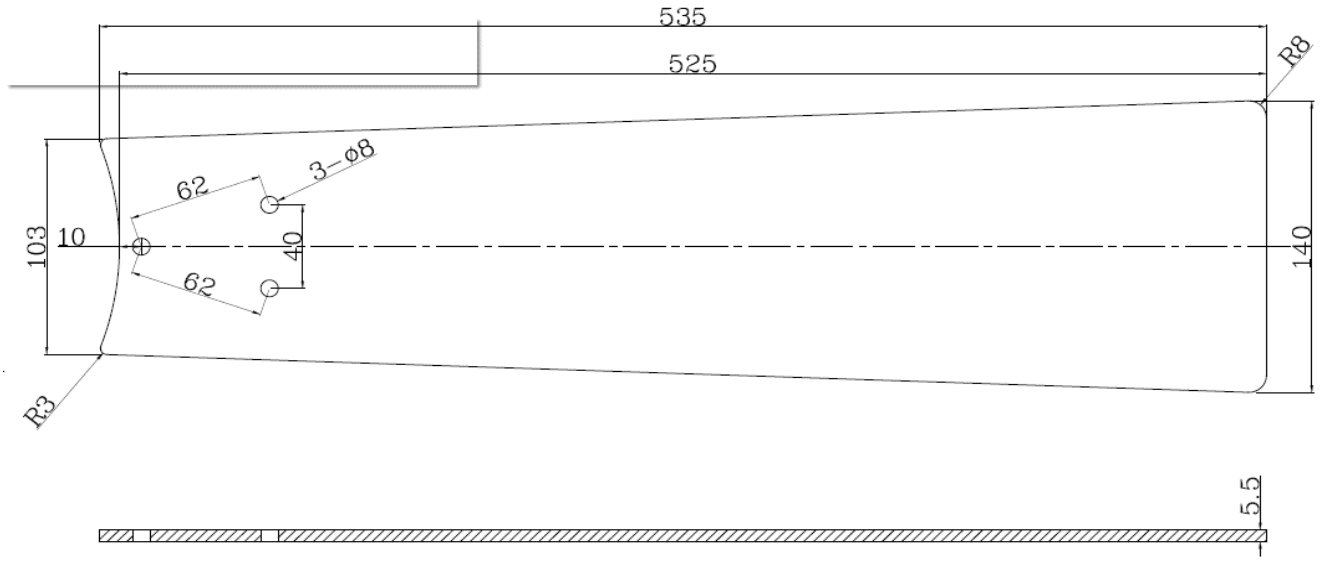
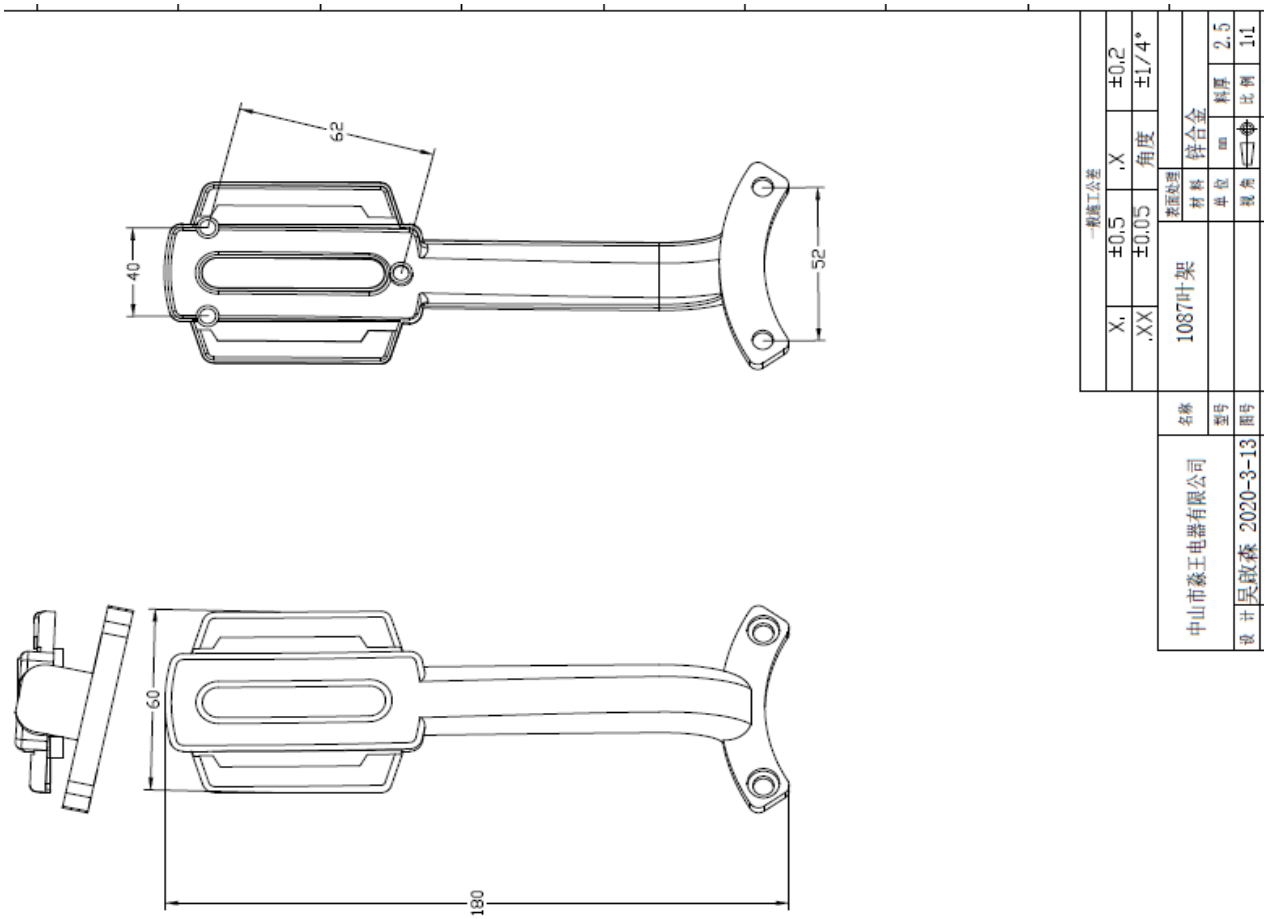


Illustration 5.8 - Drawing of Blade Fixing Bracket for model MW1087ZYX



7.0 Illustrations

Illustration 5.9 - Drawing of Blade for model MW1010ZYX

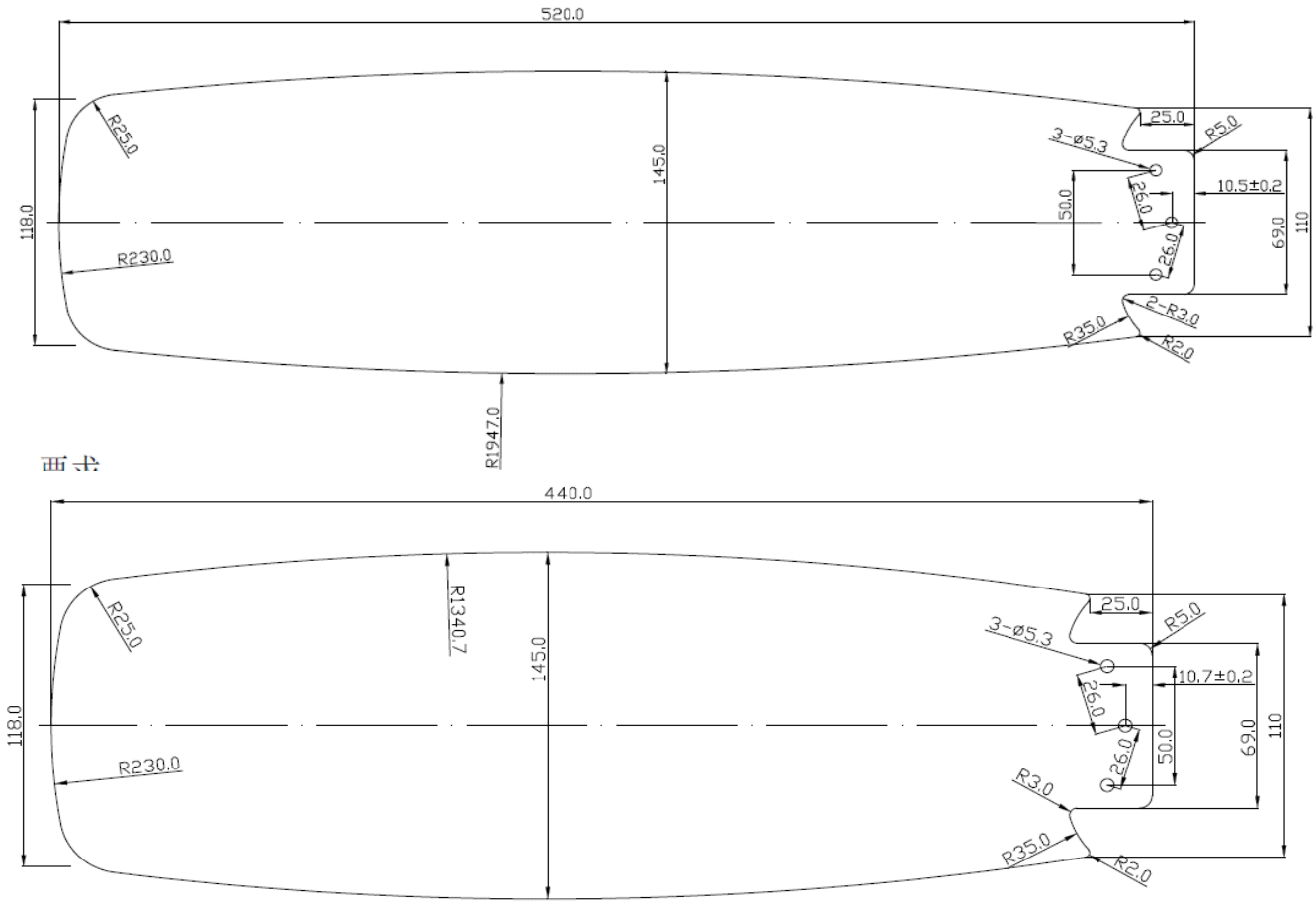
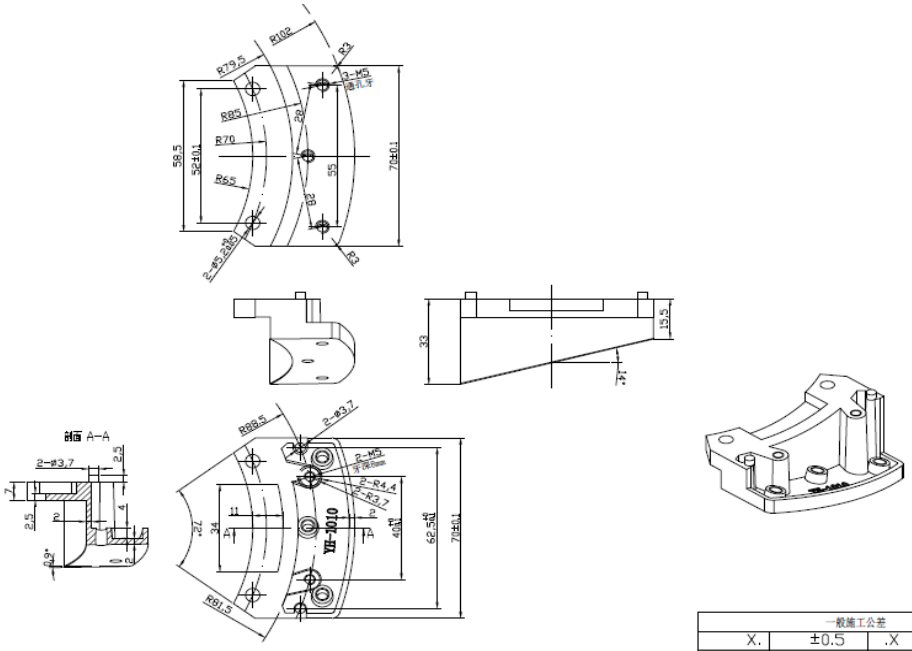


Illustration 5.10 - Drawing of Blade Fixing Bracket for model MW1010ZYX



一般施工公差					
X.	±0.5	.X	±0.2		
.XX	±0.05	角	±1/4°		
中山市淼王电器有限公司	名称	Z字型铝合金叶架	表面处理	度	
			材料	铝合金	
			单位	m	料厚 1.0
设计 吴道专 2018-08-01	型号	1010	视角		比例
审核	图号	11018-000	共 1 张		第 1 张

:锋、毛刺、缩水、气泡、变形、缺料等不良现象;
·次原料;
尺寸。

7.0 Illustrations

Illustration 5.11 - Drawing of Blade for model MW1037ZYX

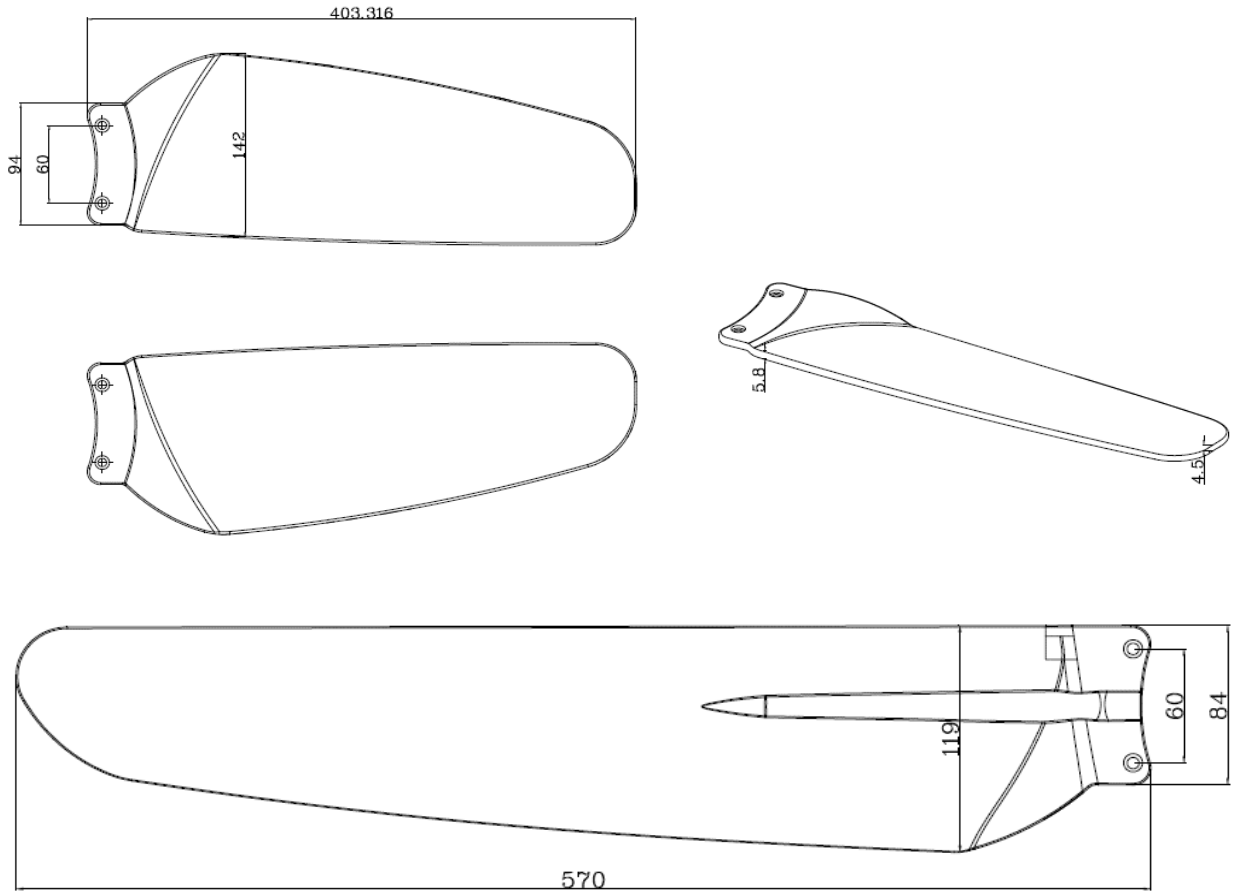
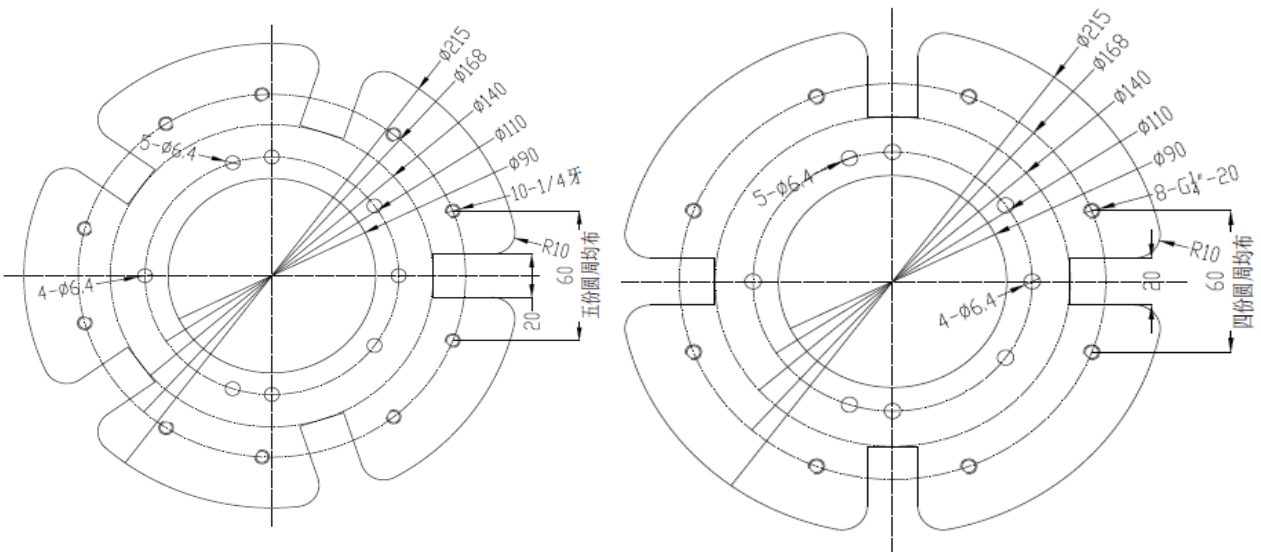
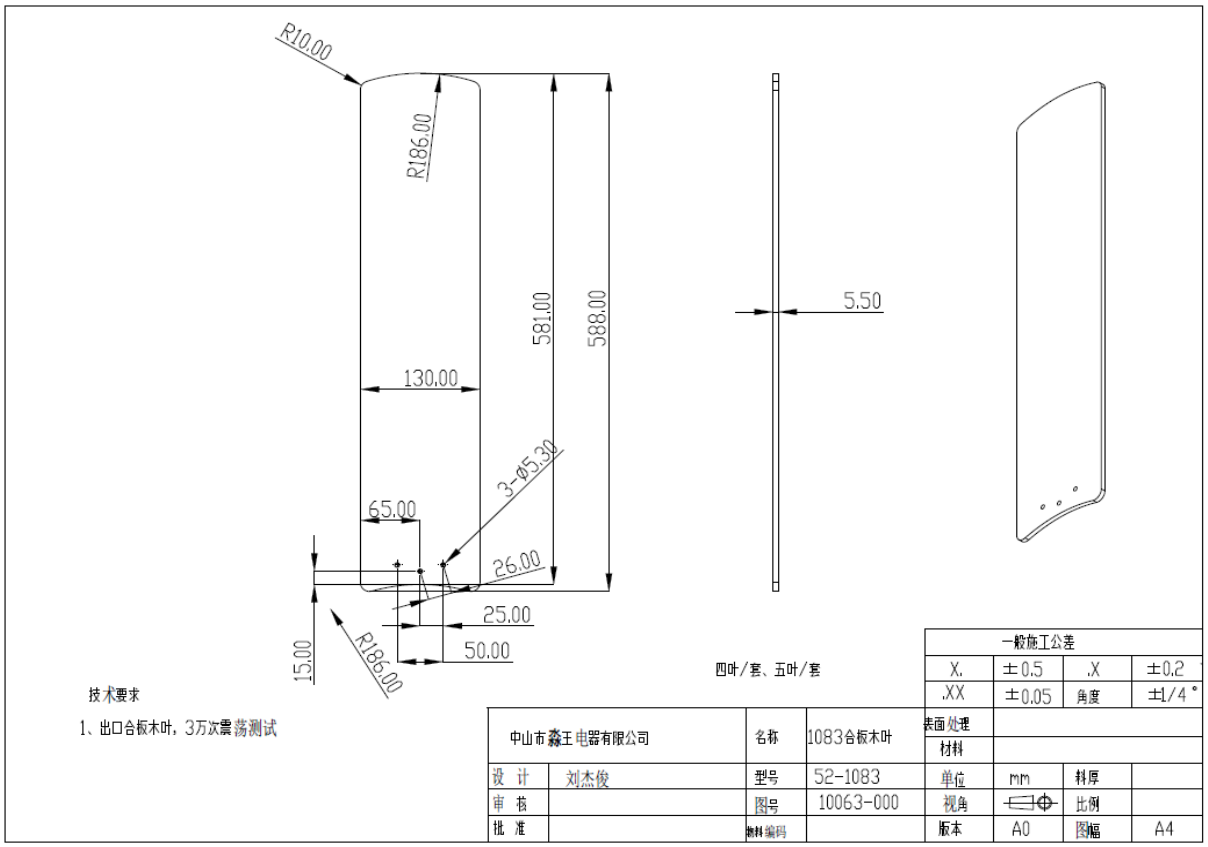


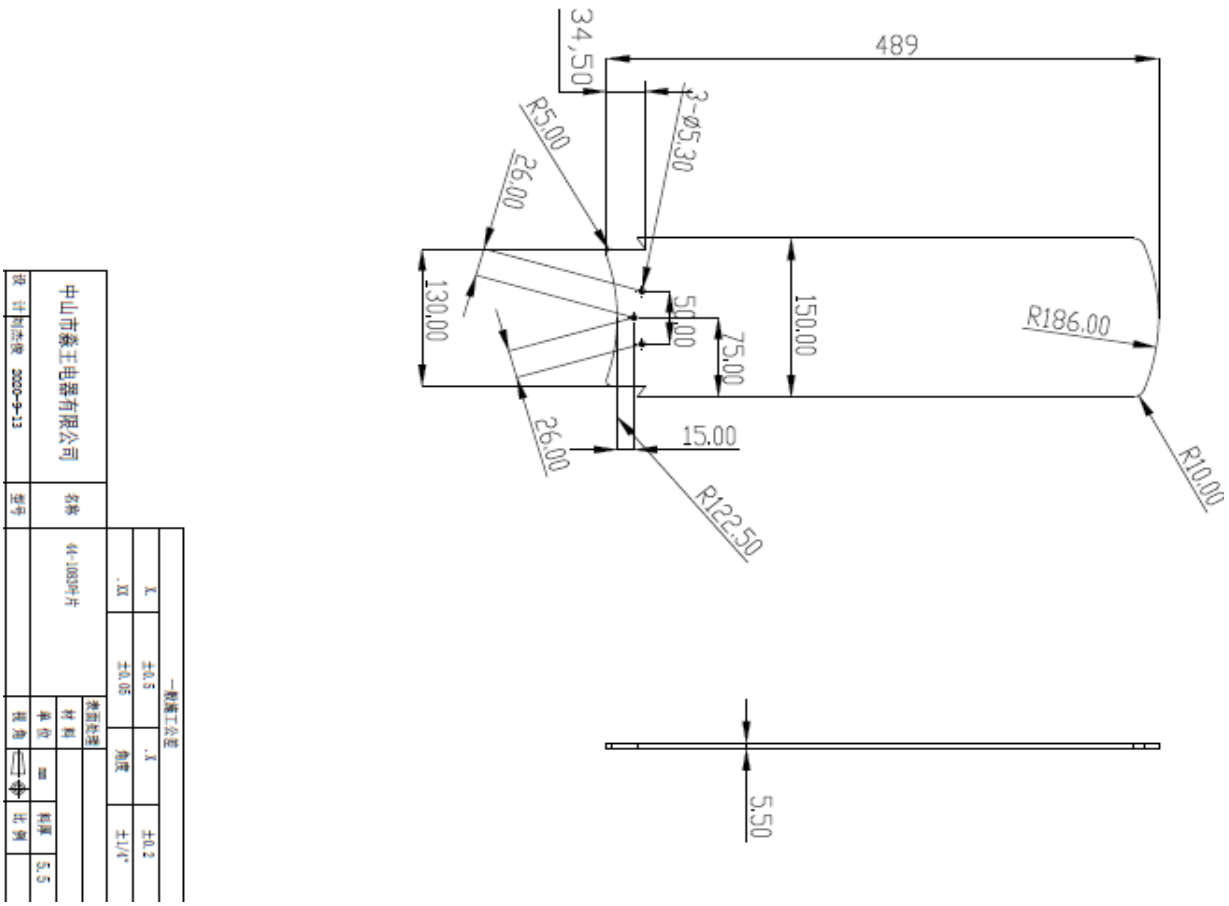
Illustration 5.12 - Drawing of Blade Fixing Bracket for model MW1037ZYX



7.0 Illustrations

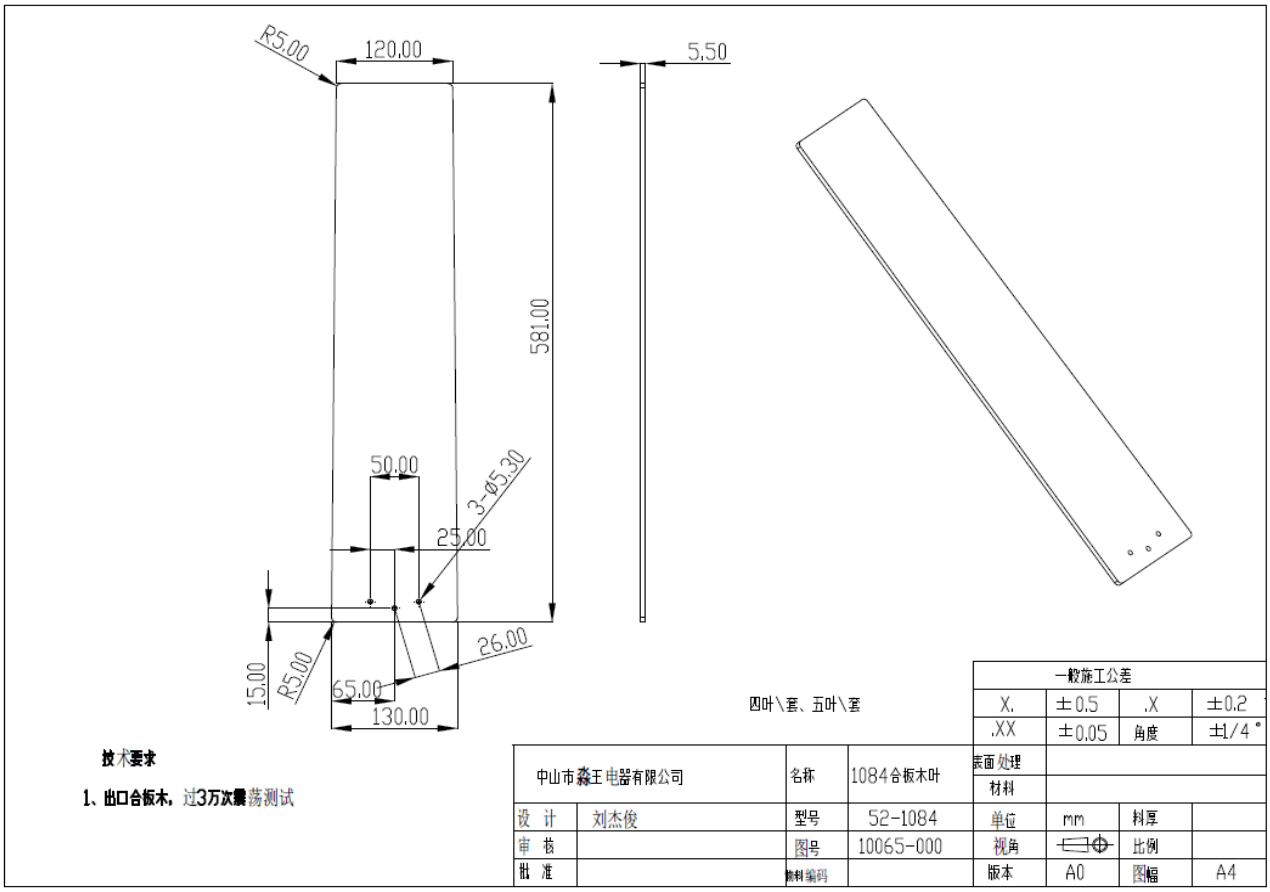
Illustration 5.13 - Drawing of Blade for model MW1083ZYX

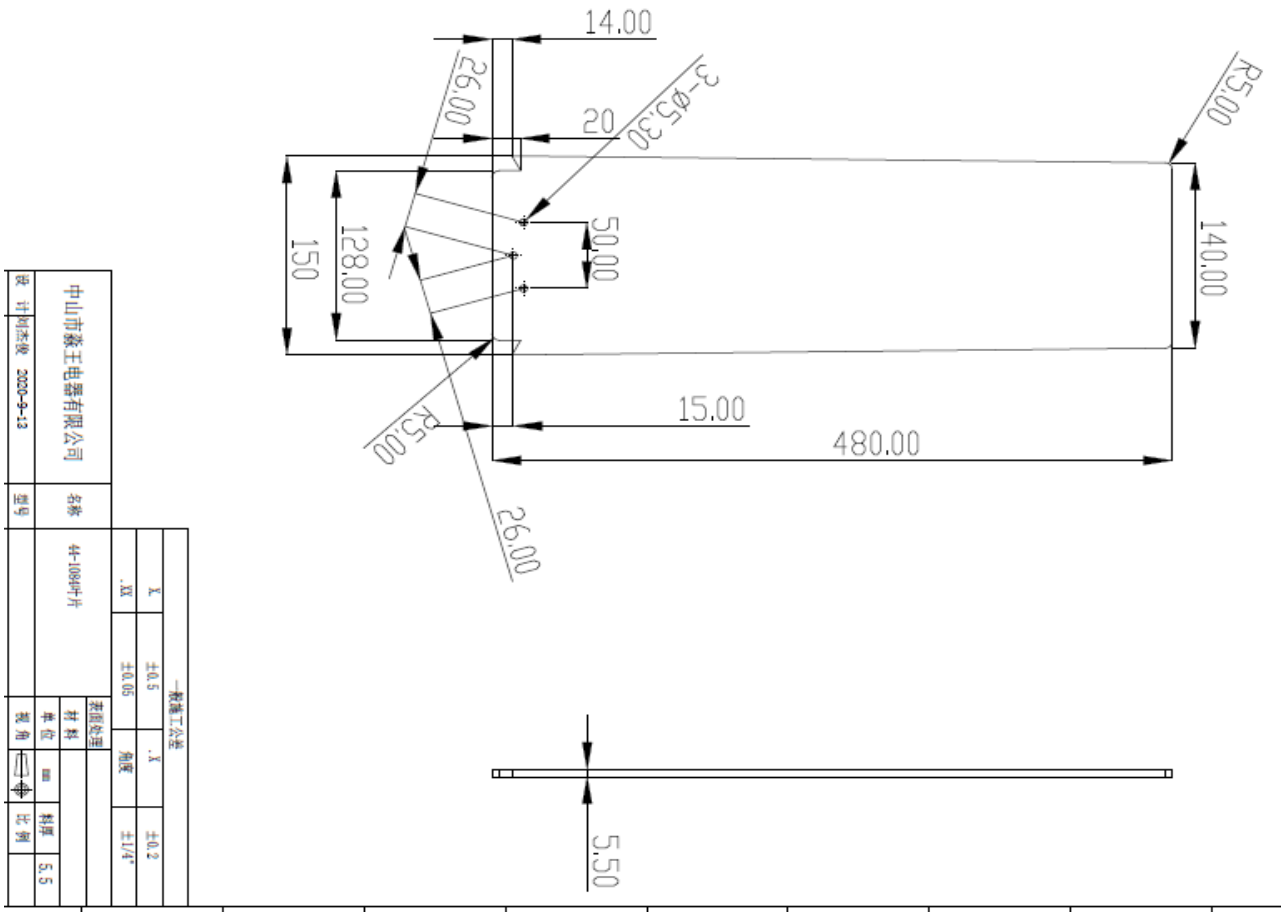




7.0 Illustrations

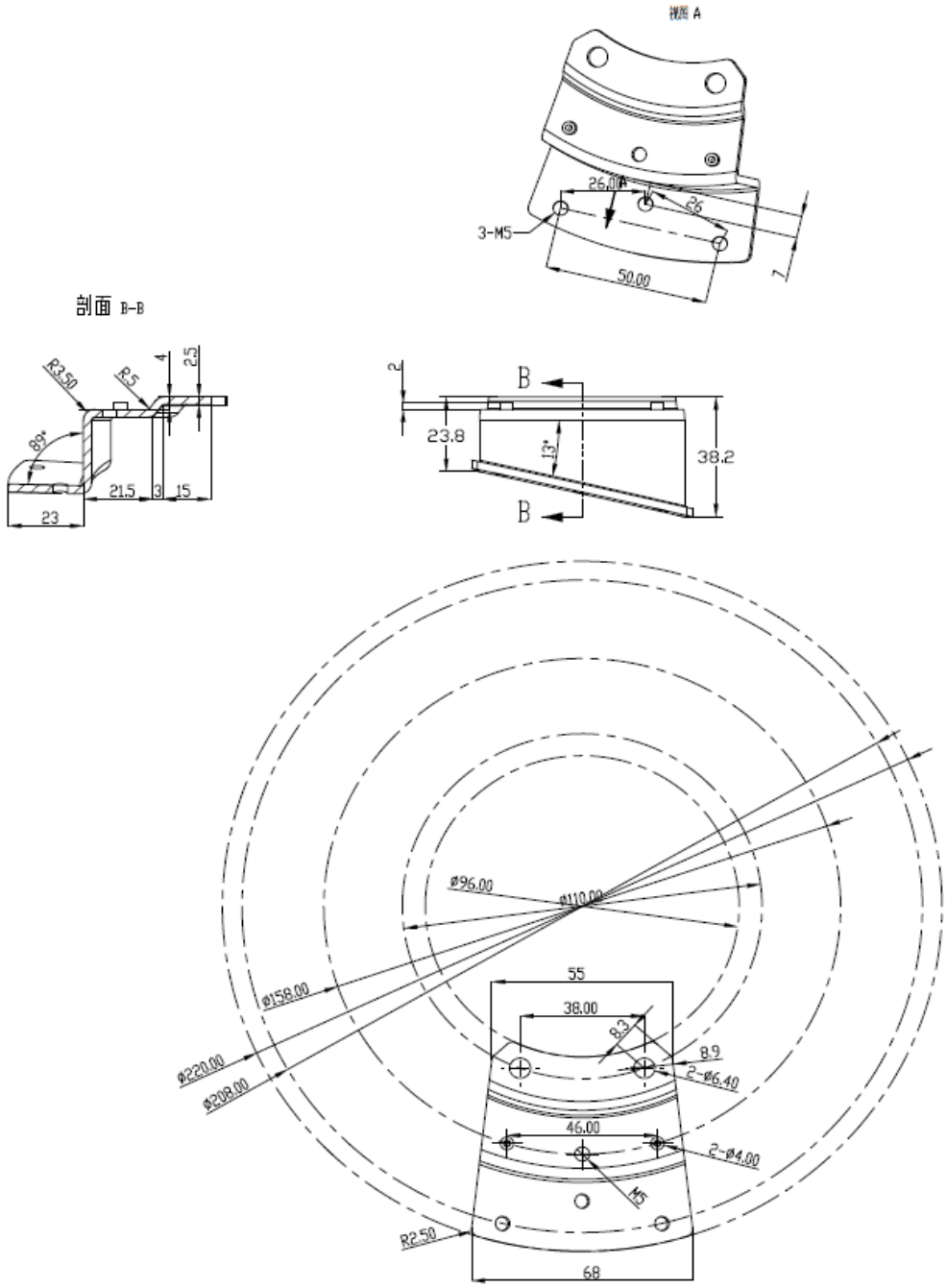
Illustration 5.14 - Drawing of Blade for model MW1084ZYX





7.0 Illustrations

Illustration 5.15 - Drawing of Blade Fixing Bracket for models MW1083ZYX and MW1084ZYX



技术要求

1：工件表面不能有披锋、毛刺、缩水、气泡、变形、缺料等不良现象；

2：工件材料必须为一次原料；

一般施工公差			
X.	±0.5	.X	±0.2

7.0 Illustrations

Illustration 5.16 - Drawing of Polymeric Blade for model MW8550ZYX

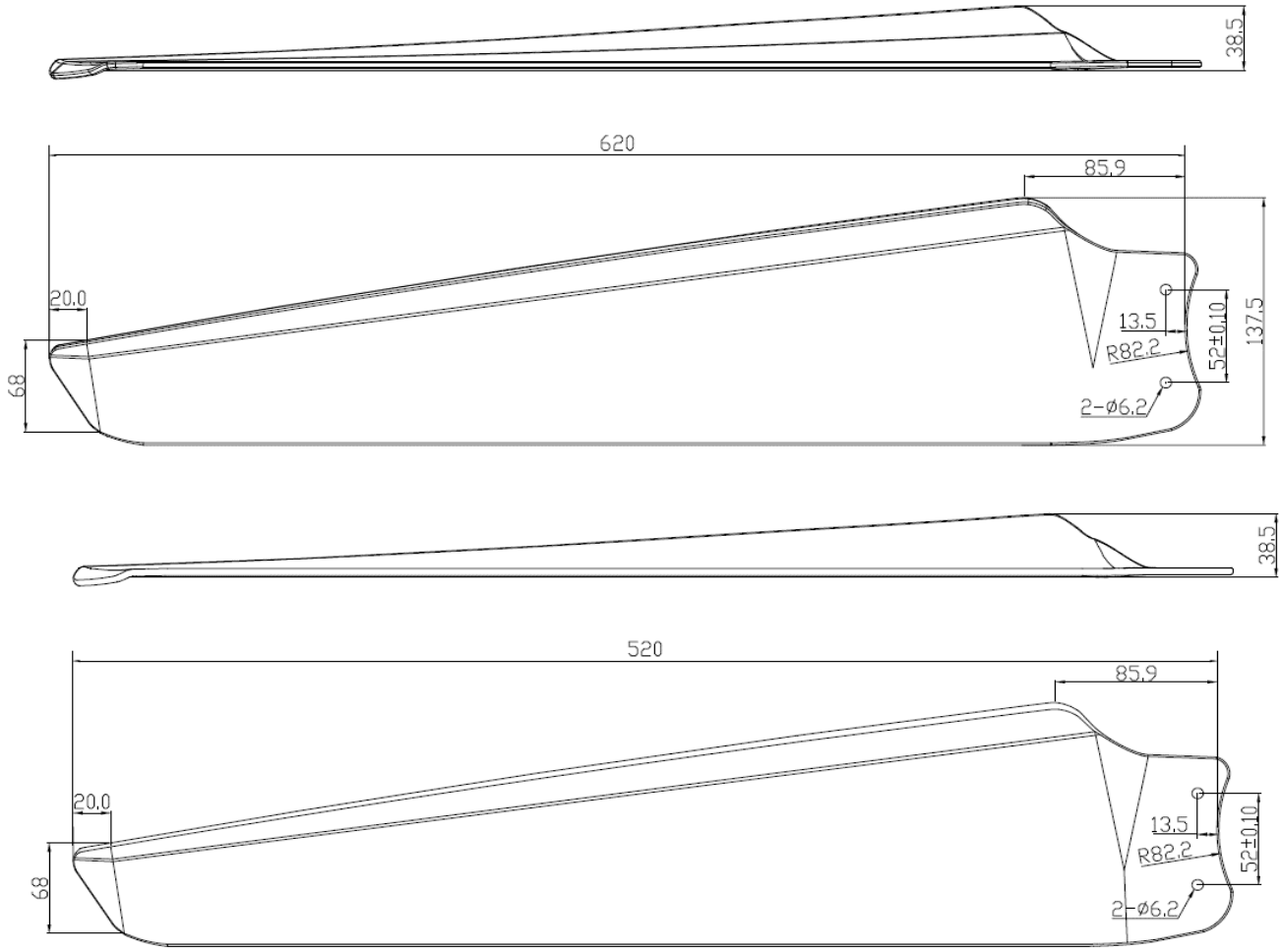
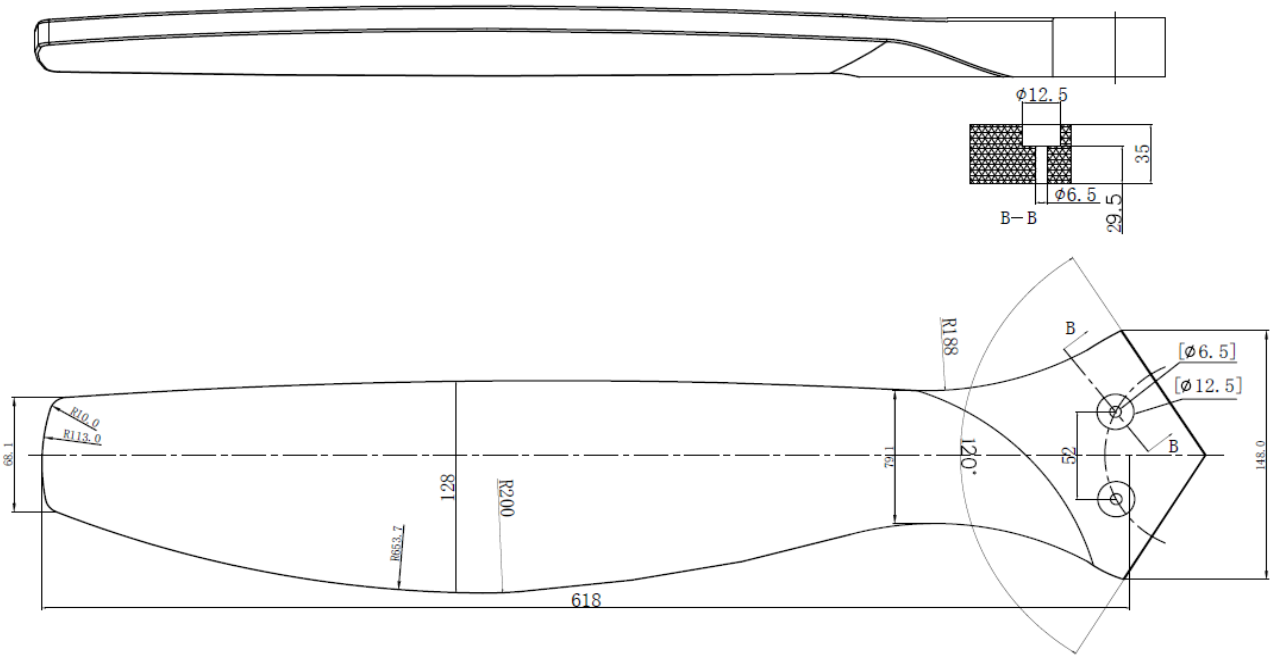


Illustration 5.17 - Drawing of wooden Blade for model MW8550ZYX



7.0 Illustrations

Illustration 5.18 - Drawing of wooden Blade for model MW8723ZYX

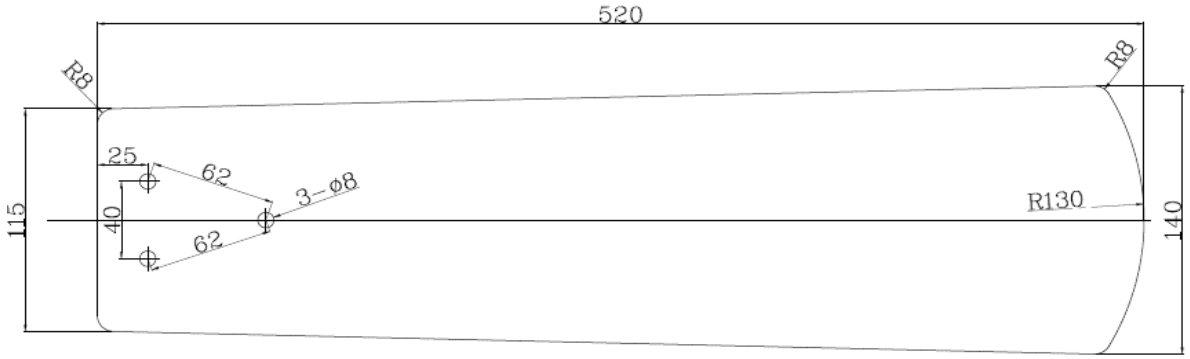
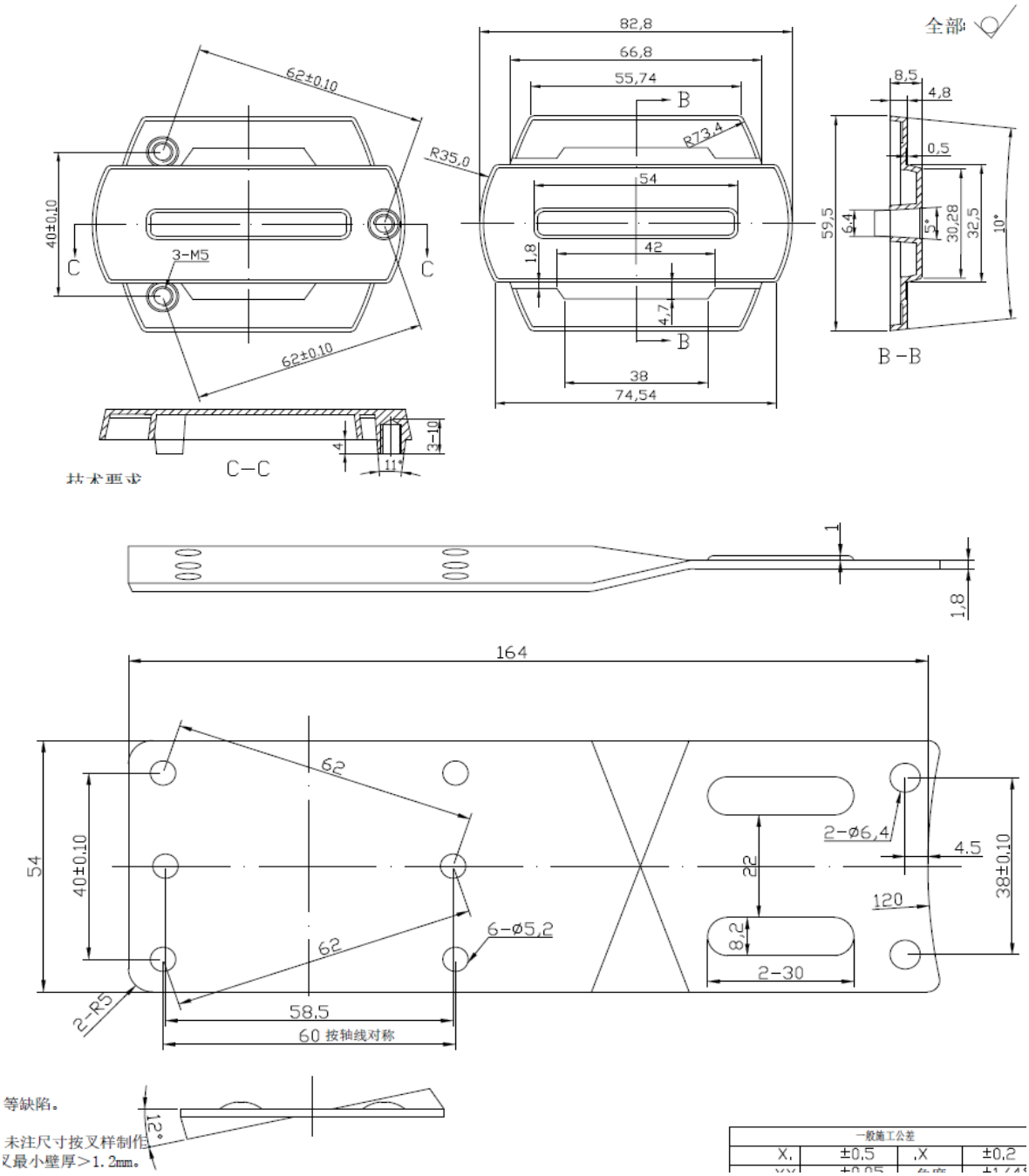
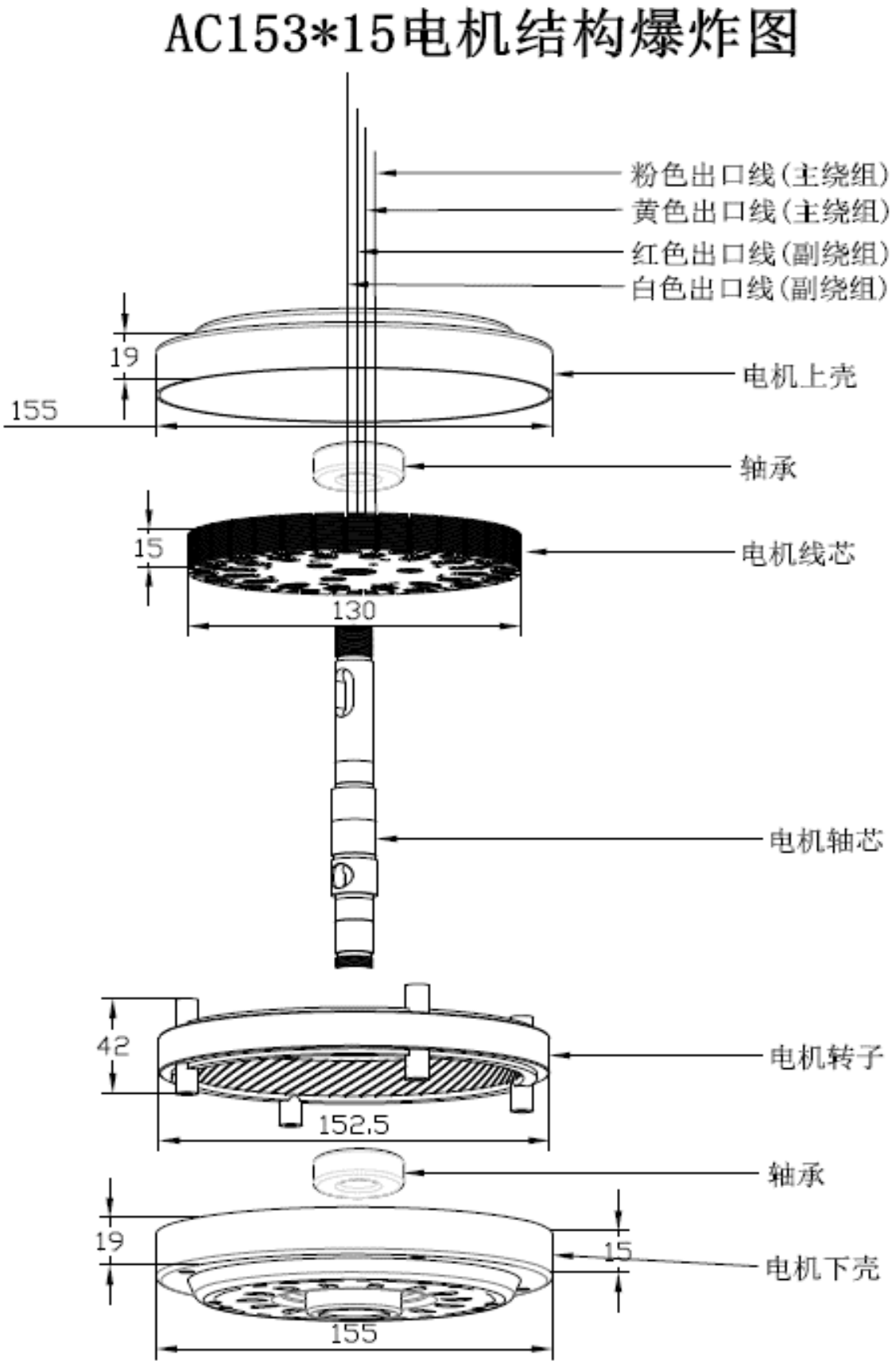


Illustration 5.19 - Drawing of Blade Fixing Bracket for model MW8723ZYX



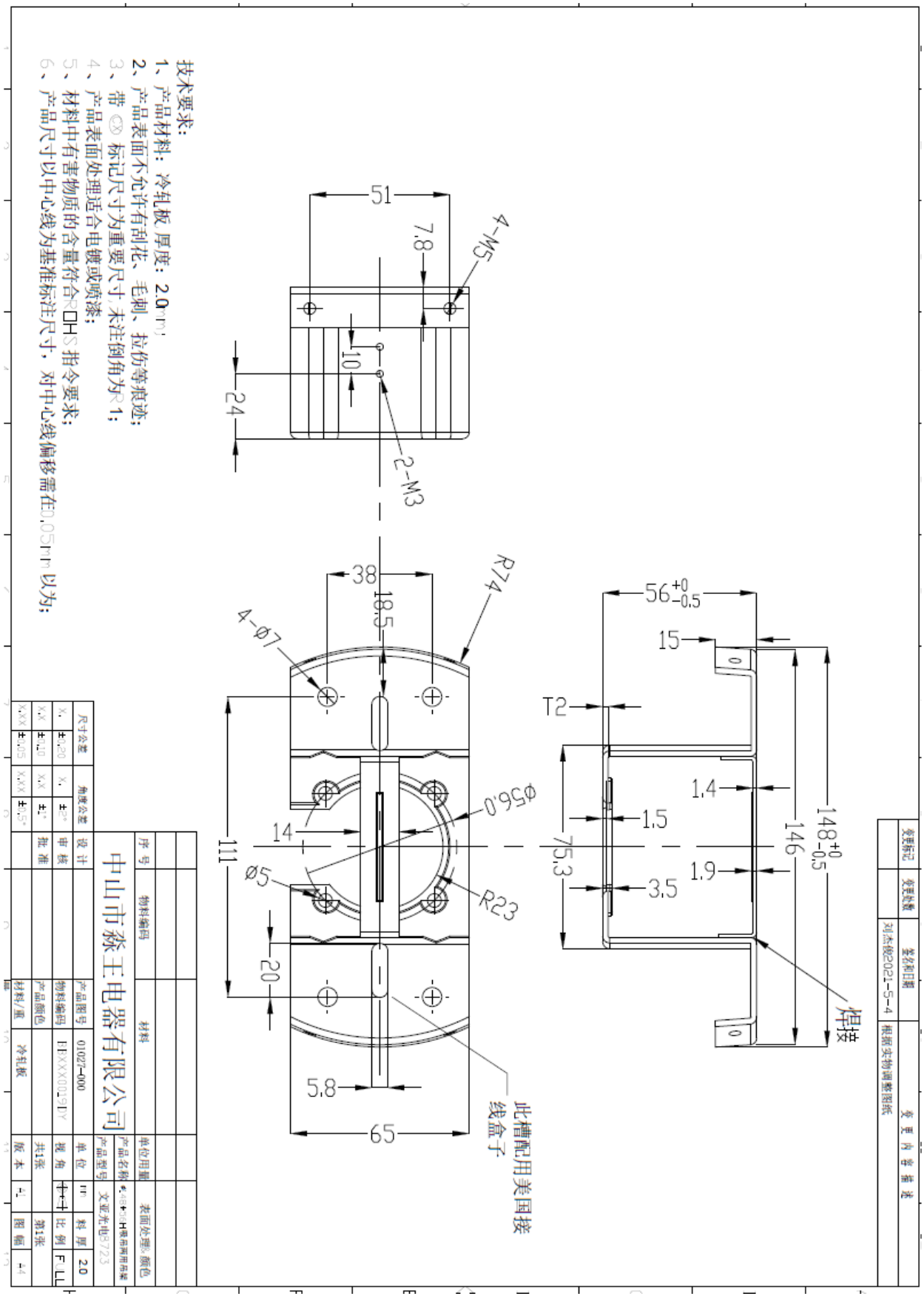
7.0 Illustrations

Illustration 5.20 - Specification of unlisted motor 153*15mm



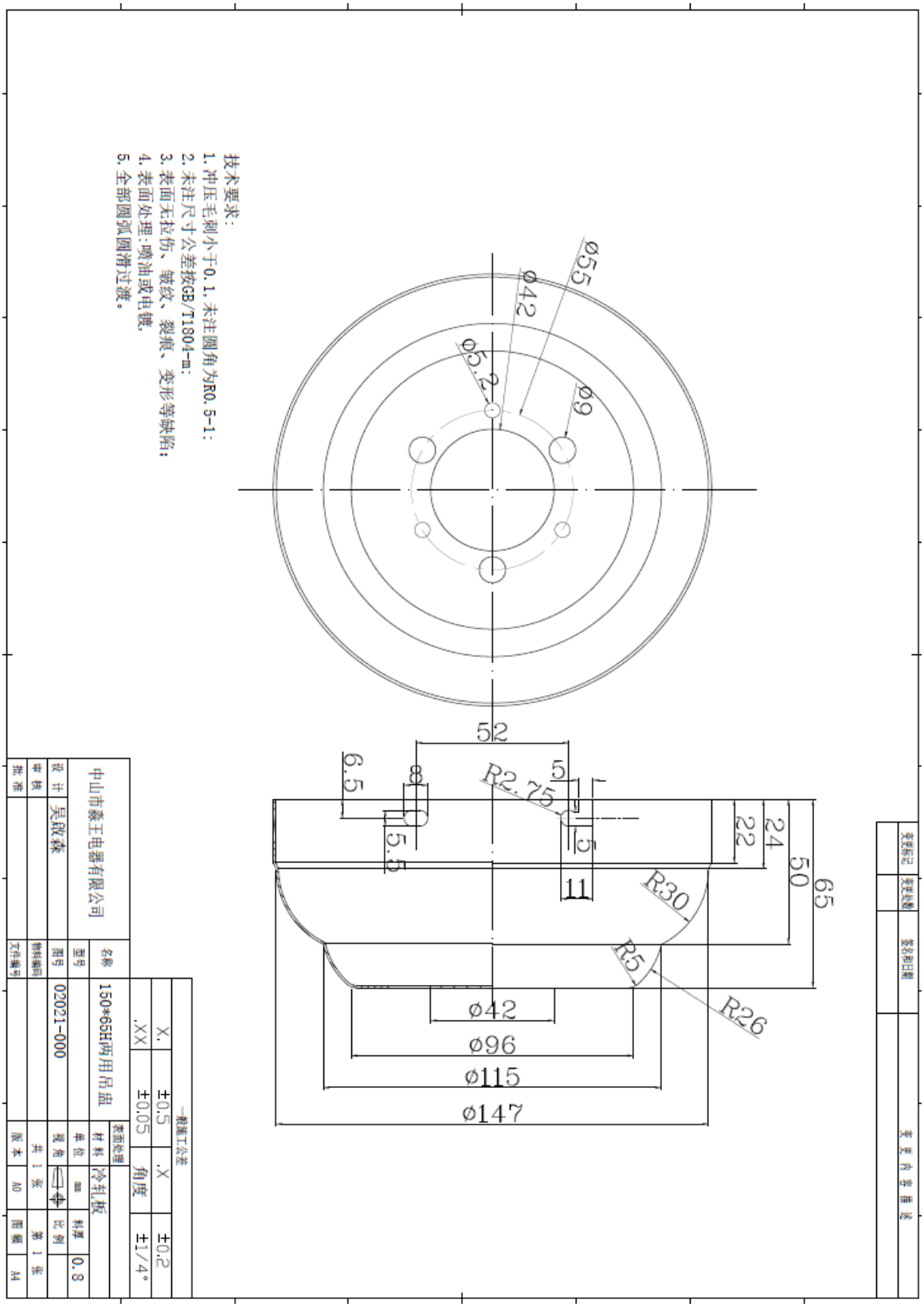
7.0 Illustrations

Illustration 5.21 - Drawing of optional mounting bracket



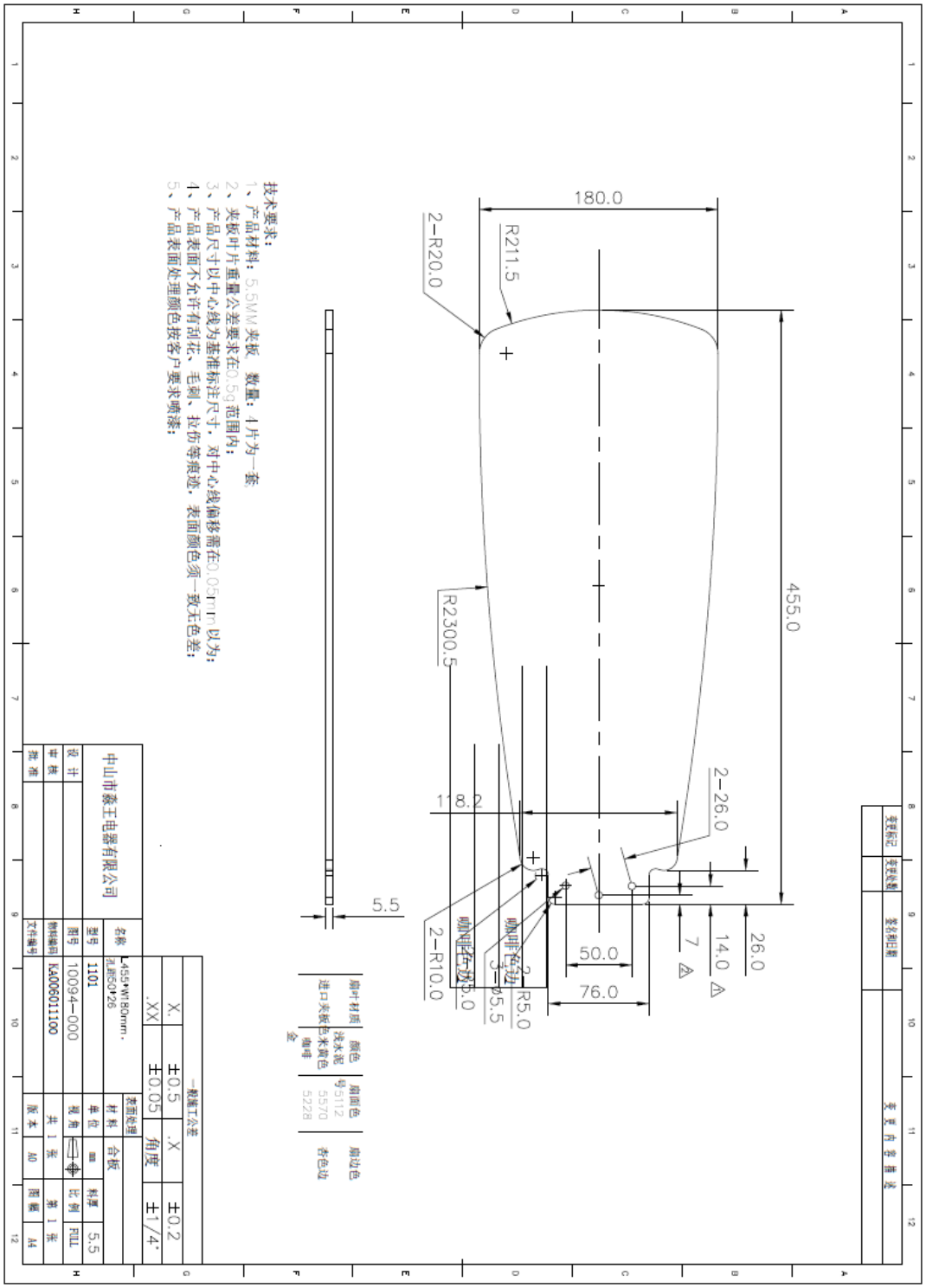
7.0 Illustrations

Illustration 5.22 - Drawing of optional canopy



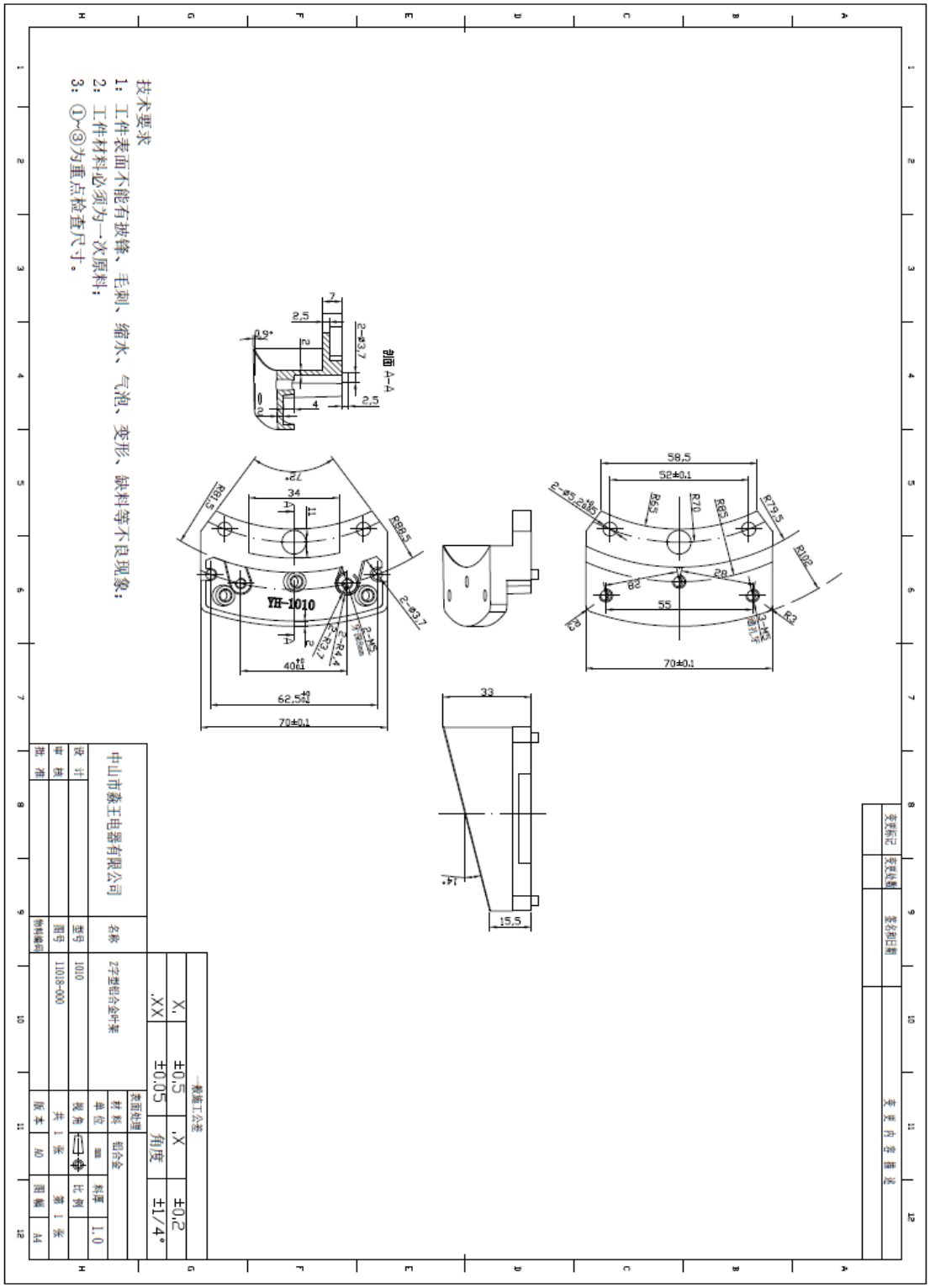
7.0 Illustrations

Illustration 5.23 - Drawing of Balde H



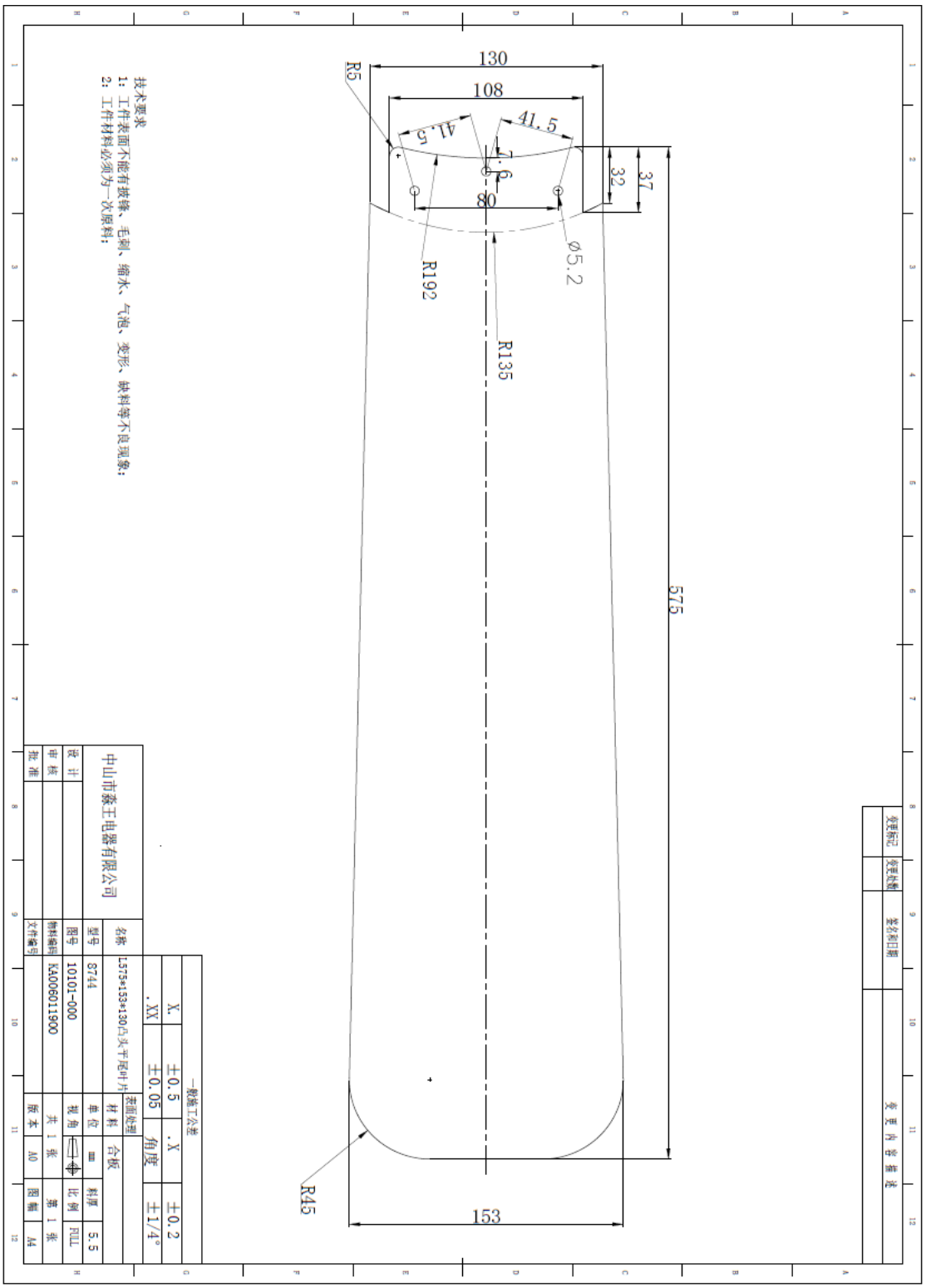
7.0 Illustrations

Illustration 5.24 - Drawing of Blade Fixing Bracket H



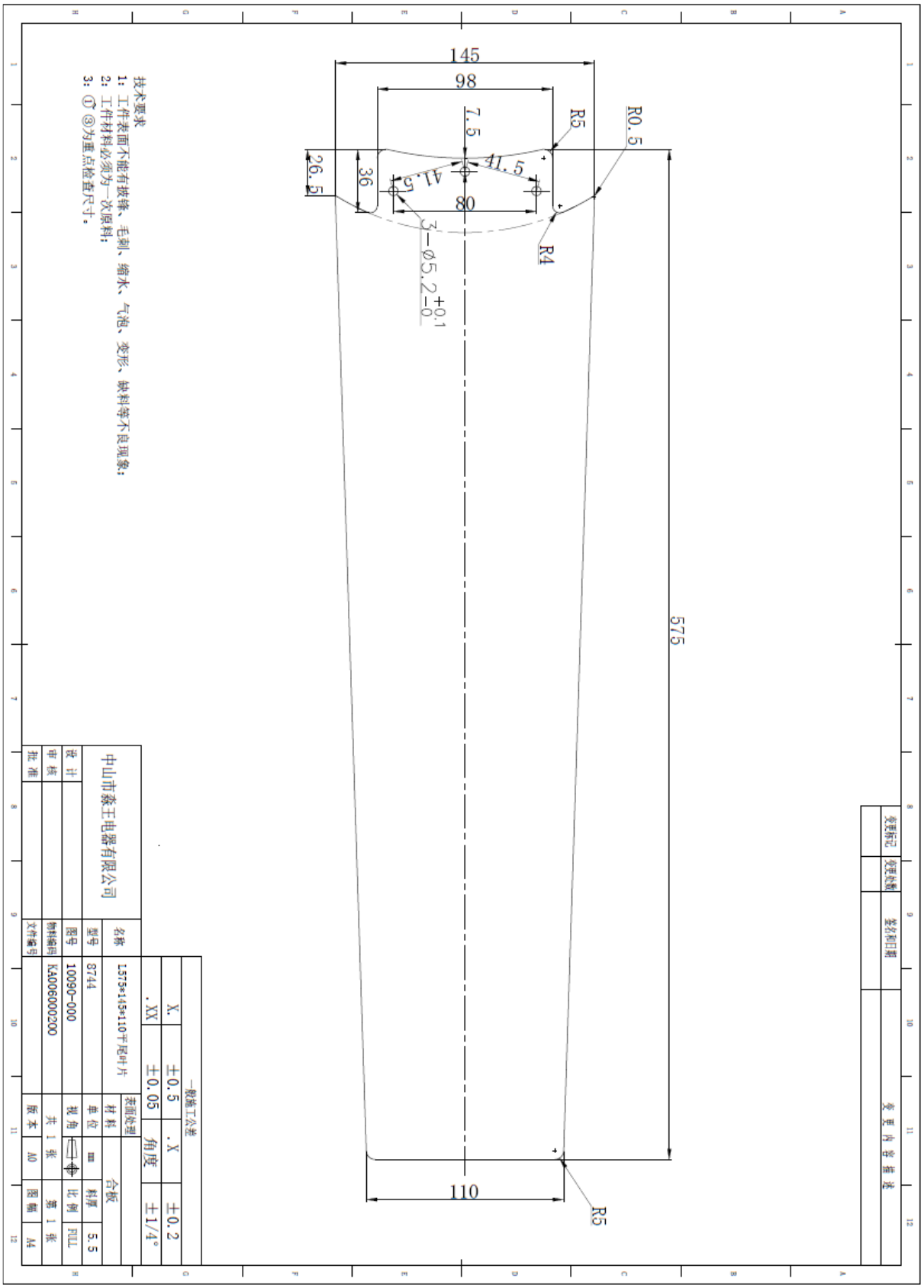
7.0 Illustrations

Illustration 5.25 - Drawing of Balde I



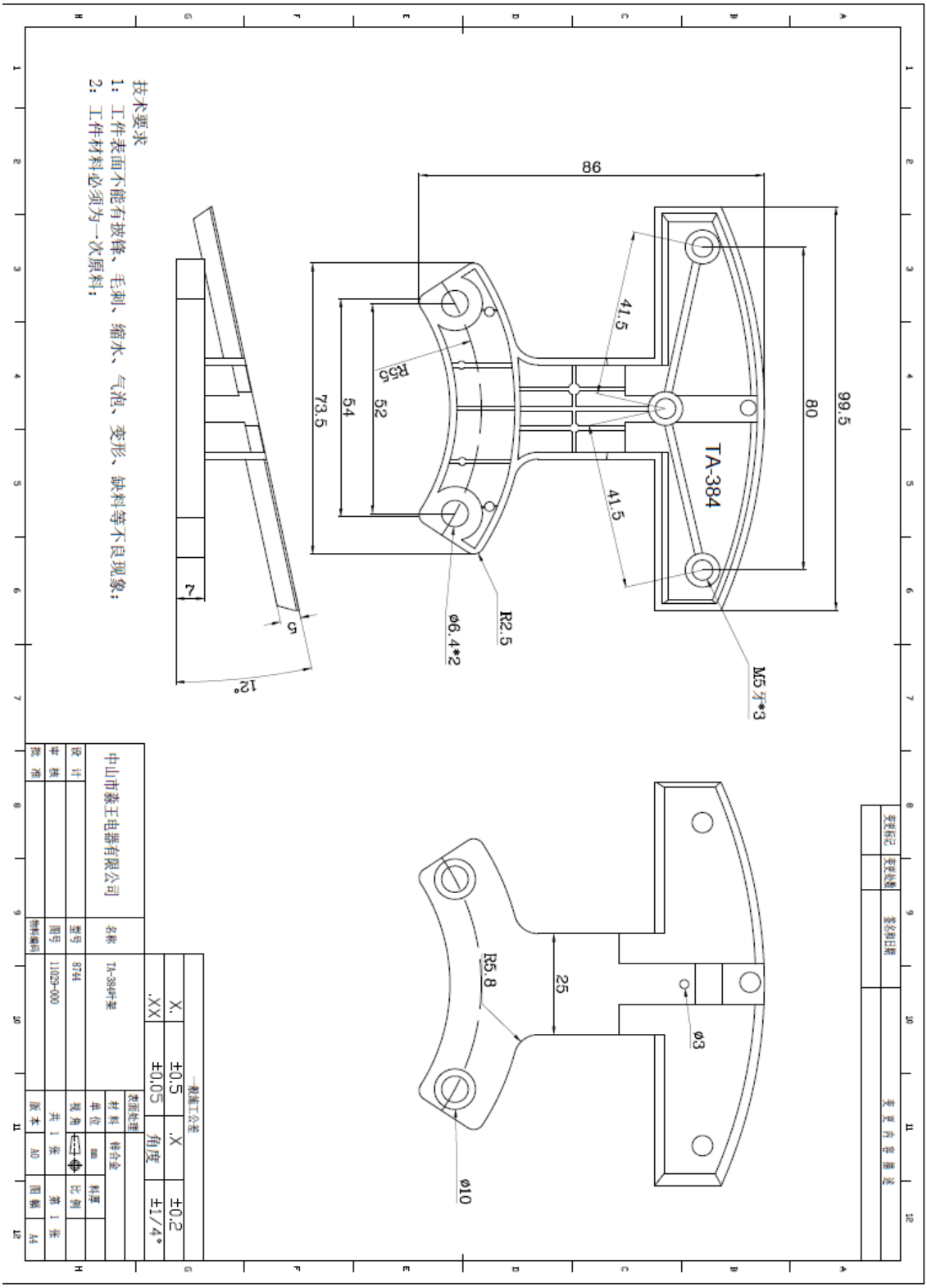
7.0 Illustrations

Illustration 5.26 - Drawing of Blade J



7.0 Illustrations

Illustration 5.27 - Blade Fixing Bracket I and J



7.0 Illustrations

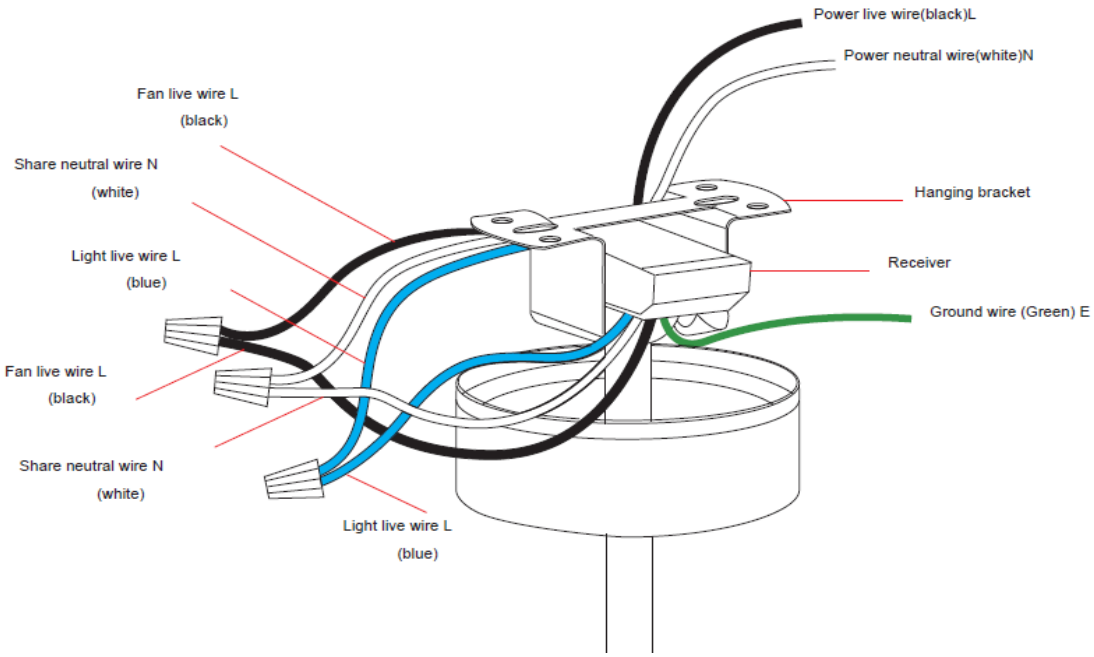
Illustration 6.1 - Important manual

READ AND SAVE THESE INSTRUCTIONS

SAFETY PRECAUTIONS

1.Before you begin installing the fan, disconnect the power by removing fuses or turning off circuit breakers.
2.CAUTION! Read all instructions and safety information before installing your new fan. Review the accompanying assemble diagrams.
3.Make sure that all electrical connections comply with local codes, ordinances or National Electrical Codes. Hire a qualified electrician or consult a do-it-yourself wiring handbook if you are unfamiliar with installing electrical wiring.
4.Make sure the installation site you choose allows the fan blades to rotate without any obstructions.
5.All wiring must be in accordance with the National Eleectrical CODE“ANSI/NFPA 70-1999" and local electrical codes. electrical installation should be performed by a qualified licensed electrician
6.**WARNING:** To Reduce The Risk Of Personal Injury, Do Not Bend The Blade Brackets When Installing The Brackets, Balancing The Blades, Or Cleaning The Fan. Do Not Insert Foreign Objects In Between Rotating Fan Blades.
7.**WARNING:** To Reduce The Risk Of Electric Shock, Disconnect The Electrical Supply Circuit To The Fan Before Installing Light Kit.

Remote control circuit diagram



7.0 Illustrations

Illustration 6.2 - Important manual

MAINTENANCE

1. a) Include instructions pertaining to a risk of fire, electric shock, or injury to persons, for cleaning and user-maintenance, such as lubrication;
2. b) Warn the user to unplug or disconnect the appliance from the power supply before servicing.
3. The fan's natural movements may cause some connections to work loose. A clicking or rattling noise is a certain sign of loosening screws. Check the support connections, brackets, and blade attachments twice a year, and tighten all screws as necessary. Make sure all screws attaching the glass to the fitter on the light kit is finger tight. Do not use a screw driver or pliers to tighten the glass screws.
4. Clean your fan periodically. Use only a cloth or brush. Metal finishes are finished with a lacquer to prevent tarnishing.
5. You will never need to oil your fan. Its permanently sealed bearings will provide silent, trouble free operationfor many years.
5. Make sure the power is turned off at the main fuseor circuit panel before you attempt any repairs.

8.0 Test Summary					
Evaluation Period	Jun. 24, 2020 to Dec. 4, 2020			Project No.	200624175GZU
Sample Rec. Date	24-Jun-2020	Condition	Prototype	Sample ID.	S200624175-001~010
Test Location	Intertek Testing Services Shenzhen Ltd., Shunde Branch. Room 604, Block 5, Tianfulai International Industrial Park (the fifth phase), No. 3 Changfu West Road Ronggui Town, Shunde District Foshan, Guangdong 528305 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 507:2017 Ed.10+R:15Nov2018 Clause	CSA C22.2#113:2015 Ed.10 +U1 Clause	UL 1598:2018 Ed.4 and CSA C22.2#250.0:2018 Ed.4 Clause
Continuity of Grounding Circuit Test	42	--	--
Starting Current Test	44	--	
Input Test	45	--	--
Temperature Test	46	--	--
Dielectric Voltage Withstand Test	47	--	--
Humidity Conditioning Test	53	--	--
Tests of Switches and Controls	59	--	
Installation Test	74	--	--
Temperature Test	87.1	--	--
Abnormal operation Test	87.2	--	--
Static Load Test	91.1	--	--
Statec load test for ceiling-suspended fan blade brackets	91.4.1	--	--
Dynamic load test for ceiling-suspended fan blade	91.4.2	--	--
Bonding - Impedance Test	--	5.18	--
Rating Test	--	6.3	--
Temperature Test	--	6.4	--
Temperature Test For Fan With Solid-state Speed Controls	--	6.4.11	--
Dielectric Strength Test	--	6.5	--
Overload Test	--	6.6	--
Abnormal Temperature Test	--	6.11	--
Abnormal Temperature Test For Fan With Solid-state Speed Controls	--	6.11.4	--
Support Strength Tests for Pendent Ceiling Fans	--	6.20	--
Moisture Absorption Resistance	--	6.30	--
Normal Temperature Test	--	--	15
Mold Stress Relief Test	--	--	17.4
Loading Test	--	--	17.15
Impact Test	--	--	17.41
Dielectric Voltage-Withstand Test	--	--	18.1
Bonding Impedance Test	--	--	18.2

Test Description	UL 1004-2:2014 Ed.2+R:06Feb2015/ Clause	CSA C22.2#77:2014 Ed.8+E1/ Clause	--
Locked-Rotor or No-Load Temperature Test/ Locked-Rotor Temperature	3	6.4	--
Dielectric Strength	--	6.5	--
Endurance Test/ Endurance	4	6.6	--

Test Description	UL 8750:2015 Ed.2+R:11Oct2019 Clause	CSA C22.2#250.13:2017 Ed.3 Clause	--

8.0 Test Summary				
Input Test		8.2	9.2	--
Temperature Test		8.3	9.3	--
Dielectric Voltage Withstand Test		8.6	9.4	--
Abnormal Tests – Component Failure Test		8.7.2	9.5.2	--
Environmental Test - Humidity Exposure Test		8.14.1	9.12.1	--
Component testing engineer		Bason Xu	Bason Xu	--
Component testing review		Lean Wang	Lean Wang	--
Evaluation Period	Oct. 16, 2020 to Apr. 15, 2021		Project No.	201016036GZU
Sample Rec. Date	16-Oct-2020	Condition: Prototype	Sample ID.	S201016036-001~012
Test Location	Intertek Testing Services Shenzhen Ltd., Shunde Branch. Room 604, Block 5, Tianfulai International Industrial Park (the fifth phase), No. 3 Changfu West Road Ronggui Town, Shunde District Foshan, Guangdong 528305 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 507:2017 Ed.10+R:15Nov2018/ Clause	CSA C22.2#113:2015 Ed.10 +U1/ Clause	--
Continuity of Grounding Circuit Test		42	--	--
Starting Current Test		44	--	
Input Test		45	--	--
Temperature Test		46	--	--
Dielectric Voltage Withstand Test		47	--	--
Humidity Conditioning Test		53	--	--
Tests of Switches and Controls		59	--	
Installation Test		74	--	--
Temperature Test		87.1	--	--
Abnormal operation Test		87.2	--	--
Bonding - Impedance Test		--	5.18	--
Rating Test		--	6.3	--
Temperature Test		--	6.4	--
Temperature Test For Fan With Solid-state Speed Controls		--	6.4.11	--
Dielectric Strength Test		--	6.5	--
Overload Test		--	6.6	--
Abnormal Temperature Test		--	6.11	--
Abnormal Temperature Test For Fan With Solid-state Speed Controls		--	6.11.4	--
Support Strength Tests for Pendent Ceiling Fans		--	6.20	--
Moisture Absorption Resistance		--	6.30	--
Test Description		UL 1004-2:2014 Ed.2+R:06Feb2015/ clause	CSA C22.2#77:2014 Ed.8+E1/ clause	--
Locked-Rotor or No-Load Temperature Test/ Locked-Rotor Temperature		3	6.4	--
Dielectric Strength		--	6.5	--
Endurance Test/Endurance		4	6.6	--

8.0 Test Summary					
Evaluation Period	Nov. 02, 2021 to Jun. 23, 2022			Project No.	211026129GZU
Sample Rec. Date	2-Nov-2021	Condition	Prototype	Sample ID.	S211026129-001~020
Test Location	Intertek Testing Services Shenzhen Ltd., Shunde Branch. Room 604, Block 5, Tianfulai International Industrial Park (the fifth phase), No. 3 Changfu West Road Ronggui Town, Shunde District Foshan, Guangdong 528305 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.					
Due to the previous testing performed and reported above, only the following testing was performed:					

Test Description	[UL 507:2017 Ed.10+R:27May2020]/ Clause	CSA C22.2#113:2015 Ed.10 +U1/ Clause	UL 1598:2021 Ed.5+R:18Jun2021 and CSA C22.2#250.0:2021 Ed.5+U1 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	--	--
Humidity Conditioning Test	53	--	--
Component Breakdown Test	65	--	--
Installation Test	74	--	--
Static load test	91.1	--	--
Static load test for ceiling-suspended fan blade brackets	91.4.1	--	--
Dynamic load test for ceiling-suspended fan blade brackets	91.4.2	--	--
Rating Test	--	6.3	--
Temperature Test	--	6.4	--
Dielectric Strength Test	--	6.5	--
Starting Test	--	6.10	--
Abnormal Temperature Test	--	6.11	--
Support Strength Tests for Pendent Ceiling Fans	--	6.20	--
Moisture Absorption Resistance	53	6.30	--
Normal Temperature Test	--	--	15
Loading Test	--	--	17.15
MOLD STRESS RELIEF TEST	--	--	17.4
GLASS SUPPORTED BY FRICTION OR ADHESIVE TEST	--	--	17.24
IMPACT TEST	--	--	17.41
DIELECTRIC VOLTAGE-WITHSTAND TEST	--	--	18.1
BONDING IMPEDANCE TEST	--	--	18.2

8.0 Test Summary

Test Description	UL 1917:2013 Ed.4+R:04Oct2017/ Clause	CSA C22.2#156:1987 Ed.1 +G1/ Clause	UL 1004-2 2014 Ed.2+R 06Feb2015; CSA C22.2#77:2014 Ed.8+E1 Clause
Temperature Test	21	6.5	--
Overload test	23	6.3	
Endurance test	24	6.4	--
Dielectric Voltage-Withstand Test/ Dielectric strength	25	6.6	--
Short Circuit Test / Limited Short-Circuit	26	6.11	--
Mould Stress Relief	--	6.7	--
Breakdown of Components Test	27	6.8	--
Crushing Test	28	--	--
Security of Leads Test	36	6.9	--
Leakage Current	--	6.10	--
Moisture Absorption Resistance	--	6.13	--
Locked-Rotor or No-Load Temperature Test/Locked-Rotor Temperature	--	--	3/6.4
Moisture Absorption Resistance	--	--	-/6.5
Leakage Current	--	--	4/6.6

Evaluation Period	Jun. 21, 2022 to June. 23, 2022			Project No.	220621037SZN
Sample Rec. Date	Jun. 21, 2022	Condition	Prototype	Sample ID.	Z220621037-001~002
Test Location	Intertek Testing Services Shenzhen Ltd. Longhua Branch 101, 102, Building B, No. 308 Wuhe Avenue, Zhangkengjing Community, GuanHu Subdistrict, LongHua District, Shenzhen, China				
Test Procedure	Testing Lab				

Test Description	UL 8750:2015 Ed.2+R:23Sep2021/ Clause	CSA C22.2#250.13:2020 Ed.4/Clause	--
INPUT TEST	8.2	9.3	--
TEMPERATURE TEST	8.3	9.3	--
DIELECTRIC VOLTAGE WITHSTAND TEST	8.6	9.4	--
ABNORMAL TESTS – COMPONENT FAILURE TEST	8.7.2	9.5.2	--
Component testing engineer	Bason Xu		
Component testing review	Rock Li		

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:	David Xuan	Reviewed by:	Mercy Liu
Title:	Project Engineer	Title:	Project Engineer
Signature:		Signature:	

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	Zhongshan Miaowang Electrical Appliance CO., Ltd.
Address	FL3. Building C, No.10 Qingfu Road, Henglan town, Zhongshan, Guangdong 528478
Country	China (Mainland)
Product	Ceiling-suspended Fan With Light Kits

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 and/or revisions.

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., Shunde Branch
ETL Component Evaluation Center
Room 604, Block 5, Tianfulai International Industrial Park (the fifth phase) No. 3 Changfu West Road, Ronggui Town
Shunde District, Foshan, Guangdong 528305 China
Attn: Ms. 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
Polarity 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, contractors, 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:

Product	Test Voltage	Test Time
All products covered by this Report.	1000VAC	60 s
	or	
	1200VAC	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.

11.3 Polarity Test

Method
At least once per quarter per luminaire design shall be checked to verify that there is electrical continuity between the grounded supply-circuit conductors, The therostate shall be connected to conductior with Black-color insulation. The continuity shall be determined by using an indicating device such as an ohmmeter or other continuity testing device

Test Records:
Test records shall be retained for a period of at least six months, and shall include test quantity, test dates, catalog or model numbers, test results, and disposition of any non-complying products.

Products Requiring Polarity Test:

One sample of each luminaire with screwshell design shall be tested at least once per quarter.

12.0 Revision Summary				
The following changes are in compliance with the declaration of Section 8.1:				
Date/ Proj # Site ID	Project Handler/ Reviewer	Section	Item	Description of Change
28-Dec-2020 200804141GZU	Jimmy Li / Jason Gao		5, 20	Added alternative lead wire model 1332.
			7	Revised the technical data from "50.0 mm OD, 21.0 mm height for models MW1083ZYX, MW1084ZYX, 50.0 mm OD, 23.0 mm height for models MW1010ZYX, MW1037ZYX, MW1087ZYX, MW8550ZYX, MW8723ZYX." to "The component has two kinds of dimensions. Type A measured 50.0 mm OD, 21.0 mm height; Type B meaured 50.0 mm OD, 23.0 mm height."
			8	Revised the technical data from "Plated or painted steel, OD 21.5 mm, 215 mm length for MW1083ZYX, MW1084ZYX, OD 26.5 mm, 125 mm length for models MW1010ZYX, MW1037ZYX, MW1087ZYX, MW8550ZYX, MW8723ZYX." to "Plated or painted steel. Measured OD 26.5 mm, 125 mm length matched ball joint Type A; Measured OD 21.5 mm, 150 mm length matched ball joint Type B."
		4	23	Revised the technical data of models ZE-209-22 and LS-101 from "Rated 250VAC, 6A" to "Rated 125VAC/6A or 250VAC/3A".
			24	Revised the technical data of modelLUPOY EF-1006F(m) from "PC, all color, rated 5VA, 115°C, measured 2.3 mm in thickness." to "PC, all color, rated 5VA, 115°C, measured 2.5 mm in thickness.".
			25a	Revised the technical data from "Rated V-0, 115°C, met UL 796." to "Single layer printed wiring boards. Rated V-0, 130° C, met UL 796.".
			25c	Revised the model of Quick connector from XH-2 to VH 3.96.
			25e	Revised the technical data from "0.1 μF, 275/280/300/310 Vac, 110°C." to "0.1 μF, 275/300/310 Vac, 110°C.".
			28	Revised the technical data from "Steel bare wire, twisted together, formed a ring at each end, overall 1.2 mm in diameter." to "Steel bare wire, twisted together, formed a ring at each end, overall 1.5 mm in diameter.".
		7	1.1	Revised the description of the table from "Lead wire with model 1010" to "Lead wire with model 1010 or 1332".
			5.3	Revised the title from "Drawing of Ball joint for models MW1083ZYX, MW1084ZYX" to "Drawing of Ball joint Type A".
			5.4	Revised the title from "Drawing of Downrod for models MW1083ZYX, MW1084ZYX" to "Drawing of Downrod that matched Ball joint Type A".
			5.5	Revised the title from "Drawing of Ball joint for models MW1010ZYX, MW1037ZYX, MW1087ZYX, MW8550ZYX, MW8723ZYX" to "Drawing of Ball joint Type B".
			5.6	Revised the title from "Drawing of Downrod for models MW1010ZYX, MW1037ZYX, MW1087ZYX, MW8550ZYX, MW8723ZYX" to "Drawing of Downrod that matched Ball joint Type B".

12.0 Revision Summary				
The following changes are in compliance with the declaration of Section 8.1:				
Date/ Proj # Site ID	Project Handler/ Reviewer	Section	Item	Description of Change
15-Apr-2021	Alec Liang/ Jason Gao	2	-	Added new models "MW followed by 8723A; followed by B or C; followed by 52;". Updated model from ""MW followed by 1087; followed by C; followed by 52;"," to "MW followed by 1087; followed by B or C; followed by 52;". Revised with the model similarity.
201016036GZU		3	38~44	Added these photos for new model, optional motor cover and new motor.
		4	6	Added a new model "MW8723AZYX" into technical data.
			15	Changed the wording of technical from "For models MW1083ZYX, MW1084ZYX, MW1087ZYX." to "For models MW1083ZYX, MW1084ZYX, MW1087ZYX, MW8723AZYX.".
			22	Changed this wording of technical data from "Used for motor 153*18mm." to "Used for motor 153*18mm and 153*15mm.".
			23	Changed this wording of technical data of model "ZE-209-22" and "LS-101" from "Secured to coupling by screws for model MW1010ZYX, MW1037ZYX, MW1083ZYX, MW1084ZYX, MW8550ZYX." to "Secured to coupling by screws for model MW1010ZYX, MW1037ZYX, MW1083ZYX, MW1084ZYX, MW8550ZYX, MW8723AZYX.'. Added a new model "ZE-209B".
			25c	Changed the model from "VH 3.96" to "Various".
			25d	Changed the "cURus" to "NR".
			25f	Changed the technical data from "270V, 105°C." to "270V, 105°C or 125°C.".
			51	Added this component.
		5	6	Deleted this technical data of lower enclosure "Provided five ventilation openings of size 16.0 × 4.1 mm.". Added a new component "Motor Core"
			51	Added this unlisted motor.
		6	9	Changed this wording from "Refer to Illustration No. 1.2 for details" to "Refer to Illustration No. 1.1 for details".
			13	Changed this wording from "Refer to illustration 1.1 for detail." to "Refer to illustration 1 for detail.".
		7	1	Revised the title from "Illustration 1.1 - Table of version differences per model number." to "Illustration 1 - Table of version differences per model number.".
			1.1	Revised te title from "Illustration 1.2 - Nameplate" to "Illustration 1.1 - Nameplate". Deleted the ETL logo, control number and standard from marking label.
			5.20	Added this illustration for specification of unlisted motor.
		8	8.0	Added new test clauses of UL 1004-2:2014 Ed.2+R:06Feb2015 and CSA C22.2#77:2014 Ed.8+E1 for JOB 200624175GZU. Added a new test block.
			8.1	Revised with new signatures.

12.0 Revision Summary				
The following changes are in compliance with the declaration of Section 8.1:				
Date/ Proj # Site ID	Project Handler/ Reviewer	Section	Item	Description of Change
23-Jun-2022	David Xuan/Mercy Liu	1.0	-	Updated the UL standard from "UL 507:2017 Ed.10+R:15Nov2018" to "Electric Fans [UL 507:2017 Ed.10+R:27May2020]". Changed and corrected the CSA standard from "Fans And Ventilators [CSA C22.2#113:2015 Ed.10 +U1]" to "Fans and Ventilators>Expires on: 01Jan2024< [CSA C22.2#113:2015 Ed.10+U1]".
211026129GZU		2.0	-	Added new models "MW followed by 8744; followed by B or C; followed by 52" and "MW followed by 1101; followed by B; followed by 42" Updated the model similarity due to added new models. Changed the rating from "20 W (for light)" to "24 W (for light)".
		3.0	45~59	Added these photos.
		4.0	22	Added motor capacitors rated "4.5uF" for model MW8744ZYX.
			23	Added text "MW1101B42, MW8744ZYX" in the technical data information.
			51	Added text "MW1101B42, MW8744ZYX" in the technical data information.
			52~89	Added these components.
		6.0	9~11	Changed the text from"for details" to "for layouts".
		7.0	1.1	Updated and changed the label marking of Light from "20W" to "24W".
			4.2	Added text "MW-160B-24W" in the titles.
			5.21~ 5.27	Added thes illustrations.
		8.0	-	Added new test block.
		8.1	-	Revised with new signatures.
		11.0	-	Added the test "Polarity Test".
		11.3	-	Added new test block.