

A close-up photograph of an industrial motor. The top half shows the cooling fan with its metal cage and blades. Below the fan is the terminal box, which has a prominent red emergency stop button. The motor is mounted on a metal frame.

2

YJF 系列单相2极罩极异步电动机产品概述
YJF Series Single-phase 2-shaded-pole Asynchronous Motor Product Introduction

YJF 系列电动机 YJF series motor	22
YJF 系列配件-风叶 YJF series accessories - fan blade	30
YGF 系列贯流风机产品概述 YGF series cross-flow fan product introduction	31
YGF 系列型号规格对照表 YGF series cross-flow fan model & specification comparison table	32
YGF 系列贯流风机 YGF series cross-flow fan	33
EC-2P系列电动机产品概述 EC-2P series motor product introduction	39
EC-4P系列电动机产品概述 EC-4P series motor product introduction	41

YJF 系列单相2极罩极异步电动机产品概述

YJF SERIES SINGLE-PHASE 2-SHADED-POLE ASYNCHRONOUS MOTOR PRODUCT INTRODUCTION

◆YJF系列电机为单相2极罩极异步电动机，额定电压为220-240V/50/60Hz或110-120V 60Hz。广泛应用于暖风机散热、电冰箱、空调水泵、微波炉、搅拌机、空气清新机、风扇、排气扇、加湿机、抽湿机、嵌入式烤箱和医用器械等家用电器和工业机械。

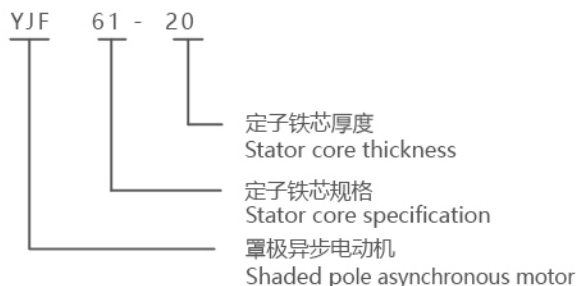
- ◆电机的绝缘等级为F级，可根据客户要求生产A级、E级、B级、H级的电机。
- ◆适用环境温度：-30℃~+80℃。
- ◆电机平均使用寿命为20000小时以上。
- ◆电机通过CCC认证。
- ◆电机使用前，必须将电机接地线与外部接地装置有效连接。

◆YJF series motor is the single-phase 2-shaded-pole asynchronous motor, with the rated voltage of 220-240V/50/60Hz or 110-120V 60Hz, widely applied in household appliances and industrial machines, such as radiators for fan heaters, refrigerators, air-conditioning water pumps, microwave ovens, blenders, air purifiers, fans, exhaust fans, humidifiers, dehumidifiers, built-in ovens and medical devices.

- ◆ The motor's insulation grade is Grade F, and the company may produce the motors with the insulation grade of Grade A, Grade E, Grade B and Grade H according to the client requirements.
- ◆ Applicable environmental temperature: -30℃~+80℃.
- ◆ The average service life of motors is over 20,000 hours.
- ◆ The motor has obtained the CCC Certification.
- ◆ Before the motor is used, it is required to effectively connect the grounding wire of motors to the external grounding device.

型号说明 Model description

例如
For example:



YJF系列电动机 - (灌封电机)

YJF SERIES MOTOR – (ENCAPSULATING MOTOR)



产品说明 Product description

- 1、本系列电机具有安全可靠、噪音低、振动小、起动性能好、寿命长等优点；
- 2、本系列电机适用于风扇、排气扇、商用厨具、陈列柜、消毒柜；
- 3、本系列电机的引出线规格及尺寸“L”可根据用户要求生产。

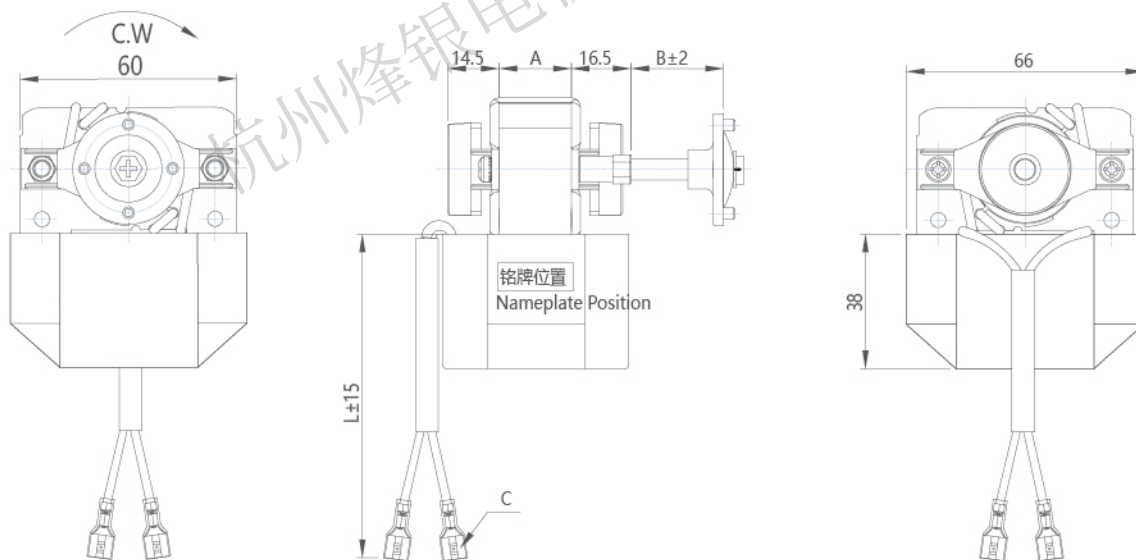
1. This series motor has advantages, such as safety, reliability, low noise, little vibration, excellent starting performance, and long service life.
2. This series motor is applicable to fans, exhaust fans, commercial kitchen wares, showcases and disinfection cabinets.
3. This series motor's outgoing line specification and dimension "L" may be produced according to the user requirements.

使用说明

工作方式：S1 绝缘等级：Class F
防护等级：IP41 环境温度：-30℃~+80℃

Instructions for Use

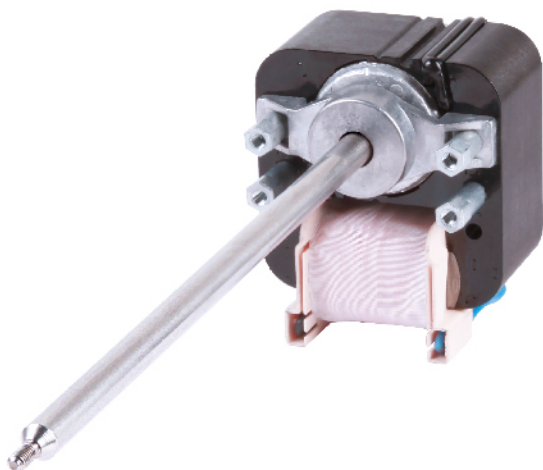
Operating mode: S1 Insulation grade: Class F
Protection Class: IP41 Environmental Temperature: -30℃~+80℃



电机性能参数表 Motor performance parameter table

Model 型号	Rated voltage 额定电压 V	Rated frequency 额定频率 Hz	Input power 输入功率 W	Rated power 额定功率 W	Rated current 额定电流 A	Rated speed 额定转速 r/min	Max torque 额定转矩 g.cm	Fan blade 风叶型号 mm	Size 尺寸				Classification 绝缘等级
									A mm	B mm	C mm	L mm	
YJF61-12	220-240	50/60	20	2	0.17	2350	120	Ø110	12	可根据客户要求定制			E B F H
	110-120	60	20	2	0.25	2650	120	Ø110	12	可根据客户要求定制			E B F H
YJF61-16	220-240	50/60	30	3	0.25	2350	200	Ø125	16	可根据客户要求定制			E B F H
	110-120	60	30	3	0.32	2650	200	Ø125	16	可根据客户要求定制			E B F H
YJF61-20	220-240	50/60	35	4.5	0.32	2350	250	Ø125	20	可根据客户要求定制			E B F H
	110-120	60	35	4.5	0.45	2650	250	Ø125	20	可根据客户要求定制			E B F H
YJF61-25	220-240	50/60	40	6	0.40	2350	300	Ø152	25	可根据客户要求定制			E B F H
	110-120	60	40	6	0.55	2650	300	Ø152	25	可根据客户要求定制			E B F H
YJF61-30	220-240	50/60	45	8	0.45	2350	400	Ø152	30	可根据客户要求定制			E B F H
	110-120	60	48	8	0.60	2650	400	Ø152	30	可根据客户要求定制			E B F H

YJF SERIES MOTOR – (WATER-STIR MOTOR)



产品说明 Product description

- 1、本系列电机具有安全可靠、噪音低、振动小、起动性能好、寿命长等优点；
- 2、本系列电机适用于搅拌机、小型水泵等；
- 3、本系列电机的引出线规格及尺寸“L”可根据用户要求生产。

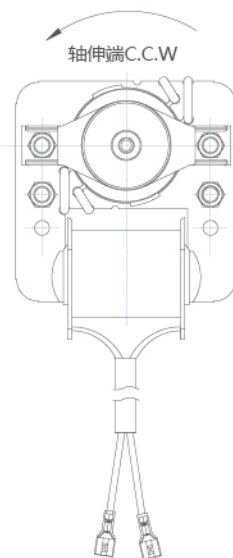
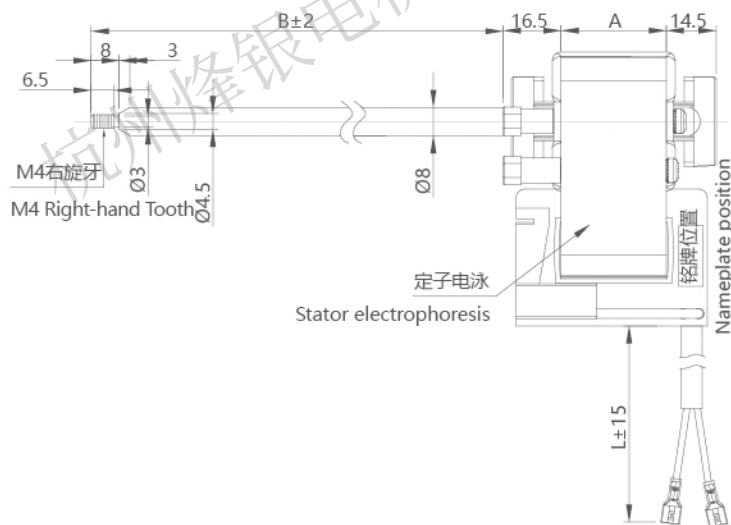
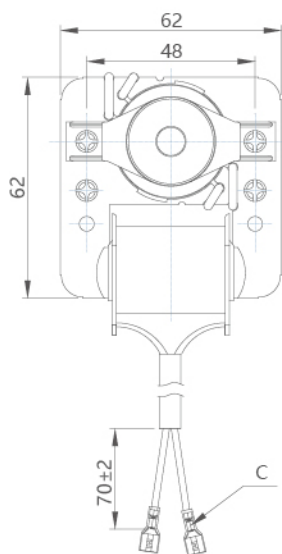
1. This series motor has advantages, such as safety, reliability, low noise, little vibration, excellent starting performance, and long service life.
2. This series motor is applicable to blenders, small water pumps, etc.
3. This series motor's outgoing line specification and dimension "L" may be produced according to the user requirements.

使用说明

工作方式：S1 绝缘等级：Class F
防护等级：IP41 环境温度：-30℃~+80℃

Instructions for Use

Operating mode: : S1 Insulation grade: : Class F
Protection Class: : IP41 Environmental Temperature: : -30°C ~ +80°C

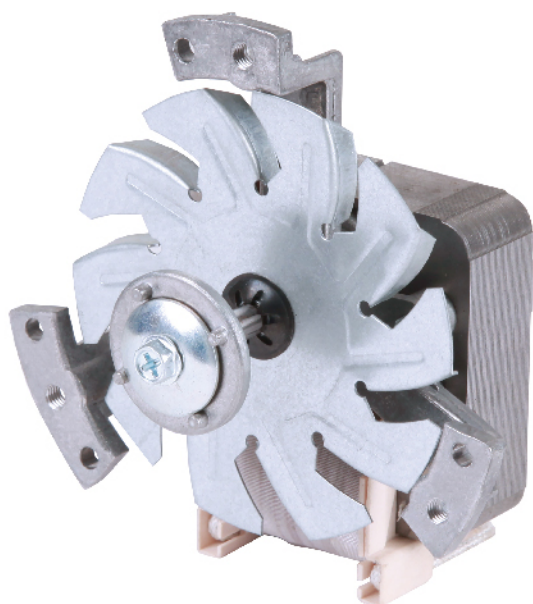


电机性能参数表 Motor performance parameter table

Model	Rated voltage	Rated frequency	Input power	Rated power	Rated current	Rated speed	Max torque	Fan blade	Size尺寸				Classification 绝缘等级
型号	额定电压 V	额定频率 Hz	输入功率 W	额定功率 W	额定电流 A	额定转速 r/min	额定转矩 g.cm	风叶型号 mm	A mm	B mm	C mm	L mm	
YJF61-30	220-240	50/60	15	8	0.12	2500	400	Ø56二片塑料叶	30	可根据客户要求定制			E B F H
	110-120	60	15	8	0.12	2650	400	Ø56二片塑料叶	30	可根据客户要求定制			E B F H
YJF61-40	220-240	50/60	25	12	0.16	2500	500	Ø56二片塑料叶	40	可根据客户要求定制			E B F H
	110-120	60	25	12	0.16	2650	500	Ø56二片塑料叶	40	可根据客户要求定制			E B F H

YJF系列电动机 - (热循环电机)

YJF SERIES MOTOR – (THERMAL CIRCULATION MOTOR)



产品说明 Product description

- 1、本系列电机具有安全可靠、噪音低、振动小、起动性能好、寿命长等优点；
- 2、本系列电机适用于微波炉、嵌入式电烤箱、化痰器、雾化器、加湿器等；
- 3、本系列电机的引出线规格及尺寸“L”可根据用户要求生产。

1. This series motor has advantages, such as safety, reliability, low noise, little vibration, excellent starting performance, and long service life.

2. This series motor is applicable to microwave ovens, built-in electric ovens, phlegm removal devices, atomizers, humidifiers, etc.

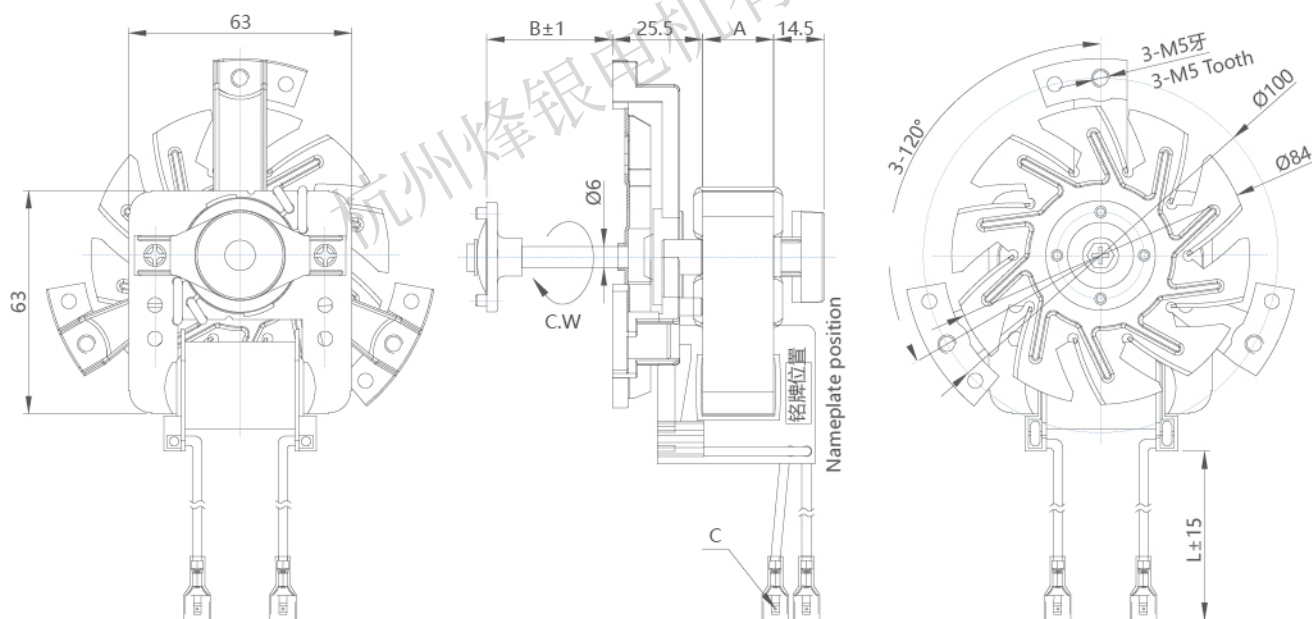
3. This series motor's outgoing line specification and dimension "L" may be produced according to the user requirements.

使用说明

工作方式：S1 绝缘等级：Class F
防护等级：IP41 环境温度：-30°C ~ +80°C

Instructions for Use

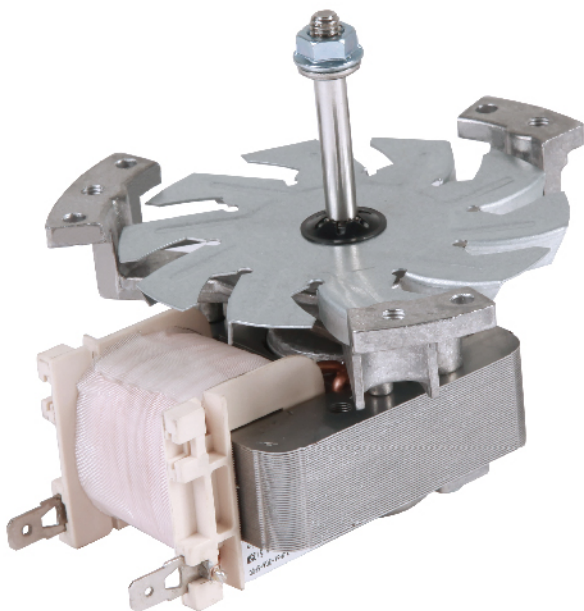
Operating mode: S1 Insulation grade: Class F
Protection Class: IP41 Environmental Temperature: -30°C ~ +80°C



电机性能参数表 Motor performance parameter table

Model 型号	Rated voltage 额定电压 V	Rated frequency 额定频率 Hz	Input power 输入功率 W	Rated power 额定功率 W	Rated current 额定电流 A	Rated speed 额定转速 r/min	Max torque 额定转矩 g.cm	Fan blade 风叶型号 mm	Size 尺寸				Classification 绝缘等级
YJF61-12	220-240	50/60	20	2	0.17	2350	120	Ø110	A	B	C	L	E B F H
	110-120	60	20	2	0.25	2650	120	Ø110	12	可根据客户要求定制			E B F H
YJF61-16	220-240	50/60	30	3	0.25	2350	200	Ø125	16	可根据客户要求定制			E B F H
	110-120	60	30	3	0.32	2650	200	Ø125	16	可根据客户要求定制			E B F H
YJF61-20	220-240	50/60	35	4.5	0.32	2350	250	Ø125	20	可根据客户要求定制			E B F H
	110-120	60	35	4.5	0.45	2650	250	Ø125	20	可根据客户要求定制			E B F H
YJF61-25	220-240	50/60	40	6	0.40	2350	300	Ø152	25	可根据客户要求定制			E B F H
	110-120	60	40	6	0.55	2650	300	Ø152	25	可根据客户要求定制			E B F H
YJF61-30	220-240	50/60	45	8	0.45	2350	400	Ø152	30	可根据客户要求定制			E B F H
	110-120	60	48	8	0.60	2650	400	Ø152	30	可根据客户要求定制			E B F H

YJF SERIES MOTOR – (THERMAL CIRCULATION MOTOR – TERMINAL TYPE)



产品说明 Product description

- 1、本系列电机具有安全可靠、噪音低、振动小、起动性能好、寿命长等优点；
- 2、本系列电机适用于微波炉、嵌入式电烤箱、化痰器、雾化器、加湿器等；
- 3、本系列电机的性能尺寸可根据用户要求设计与生产。

1. This series motor has advantages, such as safety, reliability, low noise, little vibration, excellent starting performance, and long service life.

2. This series motor is applicable to microwave ovens, built-in electric ovens, phlegm removal devices, atomizers, humidifiers, etc.

3. This series motor's characteristic dimension may be designed and produced according to the user requirements.

使用说明

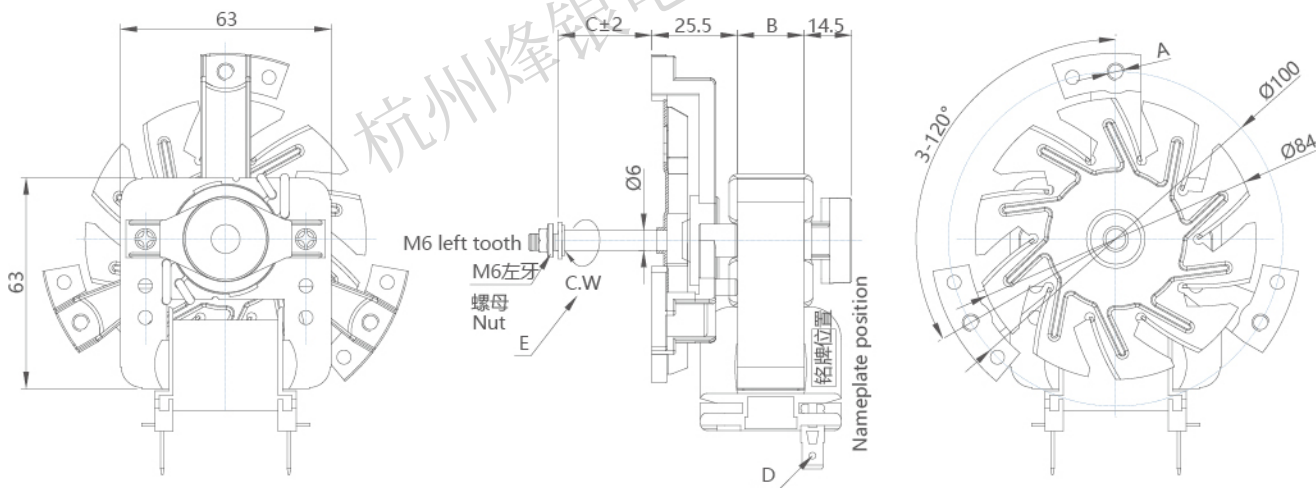
工作方式：S1 绝缘等级：Class F

防护等级：IP41 环境温度：-30°C ~ +80°C

Instructions for Use

Operating mode: S1 Insulation grade: Class F

Protection Class: IP41 Environmental Temperature: -30°C ~ +80°C

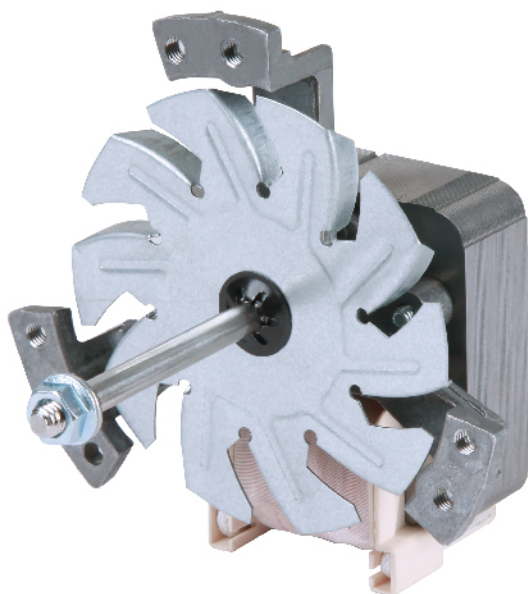


电机性能参数表 Motor performance parameter table

Model 型号	Rated voltage 额定电压 V	Rated frequency 额定频率 Hz	Input power 输入功率 W	Rated power 额定功率 W	Rated current 额定电流 A	Rated speed 额定转速 r/min	Size 尺寸				(E) Rotation	License 认证
							(A)mm 客户订制	B mm	(C)mm 客户订制	(D) 客户订制		
YJF61-20	220-240	50/60	30	5	0.145	1400-2200	Ø6.5 M5	20	客户订制	引线式 端子式	CW/CCW	CCC
	110-120	60	30	5	0.4	1000-1800	Ø6.5 M5	20	客户订制	引线式 端子式	CW/CCW	CCC
YJF61-25	220-240	50/60	35	6	0.25	1400-2200	Ø6.5 M5	25	客户订制	引线式 端子式	CW/CCW	CCC
	110-120	60	35	6	0.50	1000-1800	Ø6.5 M5	25	客户订制	引线式 端子式	CW/CCW	CCC
YJF61-30	220-240	50/60	40	7	0.37	1400-2200	Ø6.5 M5	30	客户订制	引线式 端子式	CW/CCW	CCC
	110-120	60	40	7	0.65	1000-1800	Ø6.5 M5	30	客户订制	引线式 端子式	CW/CCW	CCC
YJF61-35	220-240	50/60	45	8	0.55	1400-2200	Ø6.5 M5	35	客户订制	引线式 端子式	CW/CCW	CCC
	110-120	60	45	8	1.0	1000-1800	Ø6.5 M5	35	客户订制	引线式 端子式	CW/CCW	CCC
YJF61-40	220-240	50/60	50	9	0.5	1400-2200	Ø6.5 M5	40	客户订制	引线式 端子式	CW/CCW	CCC
	110-120	60	50	9	1.2	1000-1800	Ø6.5 M5	40	客户订制	引线式 端子式	CW/CCW	CCC

YJF系列电动机-（热循环电机-引线式）

YJF SERIES MOTOR – (THERMAL CIRCULATION MOTOR – LEAD TYPE)



产品说明 Product description

- 1、本系列电机具有安全可靠、噪音低、振动小、起动性能好、寿命长等优点；
- 2、本系列电机适用于微波炉、嵌入式电烤箱、化痰器、雾化器、加湿器等；
- 3、本系列电机的引出线规格及尺寸“L”可根据用户要求生产。

1. This series motor has advantages, such as safety, reliability, low noise, little vibration, excellent starting performance, and long service life.

2. This series motor is applicable to microwave ovens, built-in electric ovens, phlegm removal devices, atomizers, humidifiers, etc.

3. This series motor's outgoing line specification and dimension "L" may be produced according to the user requirements.

使用说明

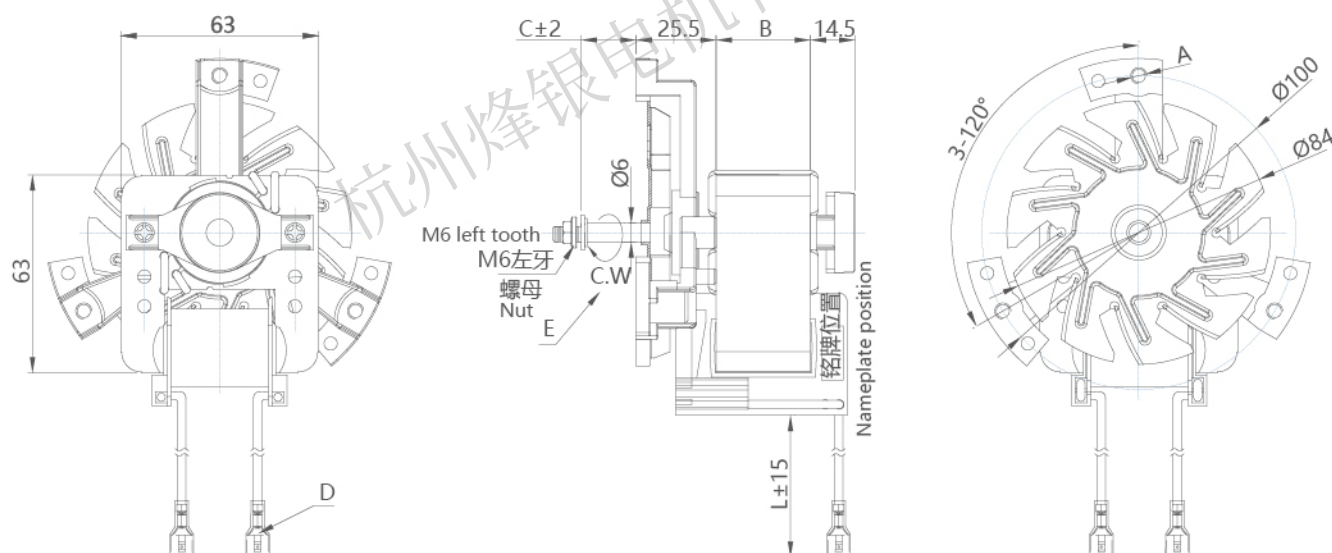
工作方式：S1 绝缘等级：Class F

防护等级：IP41 环境温度：-30°C ~ +80°C

Instructions for Use

Operating mode: S1 Insulation grade: Class F

Protection Class: IP41 Environmental Temperature: -30°C ~ +80°C

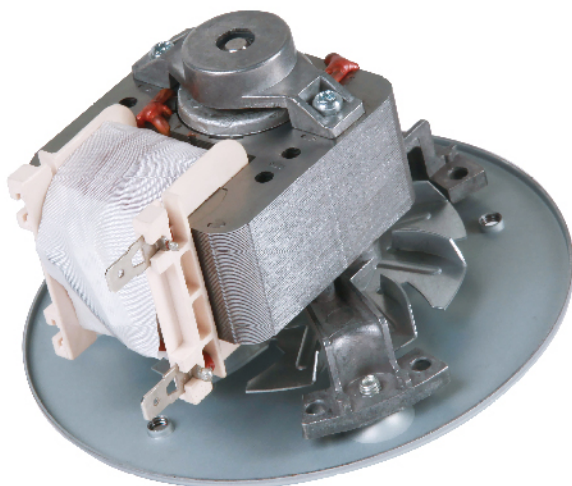


电机性能参数表 Motor performance parameter table

Model 型号	Rated voltage 额定电压 V	Rated frequency 额定频率 Hz	Input power 输入功率 W	Rated power 额定功率 W	Rated current 额定电流 A	Rated speed 额定转速 r/min	Size 尺寸				(E) Rotation	License 认证
							(A)mm 客户订制	B mm	(C)mm 客户订制	(D) 客户订制		
YJF61-20	220-240	50/60	30	5	0.145	1400-2200	Ø6.5 M5	20	客户订制	引线式 端子式	CW/CCW	CCC
	110-120	60	30	5	0.4	1000-1800	Ø6.5 M5	20	客户订制	引线式 端子式	CW/CCW	CCC
YJF61-25	220-240	50/60	35	6	0.25	1400-2200	Ø6.5 M5	25	客户订制	引线式 端子式	CW/CCW	CCC
	110-120	60	35	6	0.50	1000-1800	Ø6.5 M5	25	客户订制	引线式 端子式	CW/CCW	CCC
YJF61-30	220-240	50/60	40	7	0.37	1400-2200	Ø6.5 M5	30	客户订制	引线式 端子式	CW/CCW	CCC
	110-120	60	40	7	0.65	1000-1800	Ø6.5 M5	30	客户订制	引线式 端子式	CW/CCW	CCC
YJF61-35	220-240	50/60	45	8	0.55	1400-2200	Ø6.5 M5	35	客户订制	引线式 端子式	CW/CCW	CCC
	110-120	60	45	8	1.0	1000-1800	Ø6.5 M5	35	客户订制	引线式 端子式	CW/CCW	CCC
YJF61-40	220-240	50/60	50	9	0.5	1400-2200	Ø6.5 M5	40	客户订制	引线式 端子式	CW/CCW	CCC
	110-120	60	50	9	1.2	1000-1800	Ø6.5 M5	40	客户订制	引线式 端子式	CW/CCW	CCC

YJF系列电动机 - (热循环带安装圆盘电机)

YJF SERIES MOTOR - (THERMAL CIRCULATION BELT MOUNTED DISK MOTOR)



产品说明 Product description

- 1、本系列电机具有安全可靠、噪音低、振动小、起动性能好、寿命长等优点；
- 2、本系列电机适用于微波炉、嵌入式电烤箱、化痰器、雾化器、加湿器等；
- 3、本系列电机的性能尺寸可根据用户要求设计与生产。

1. This series motor has advantages, such as safety, reliability, low noise, little vibration, excellent starting performance, and long service life.
2. This series motor is applicable to microwave ovens, built-in electric ovens, phlegm removal devices, atomizers, humidifiers, etc.
3. This series motor's characteristic dimension may be designed and produced according to the user requirements.

使用说明

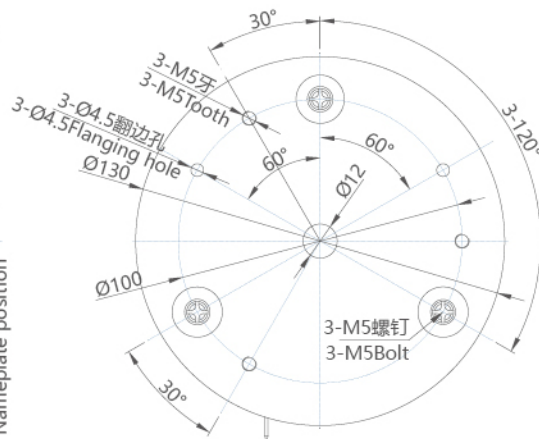
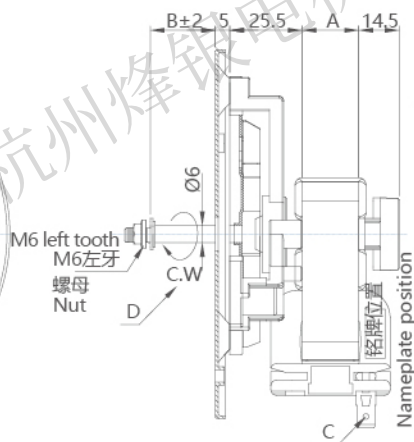
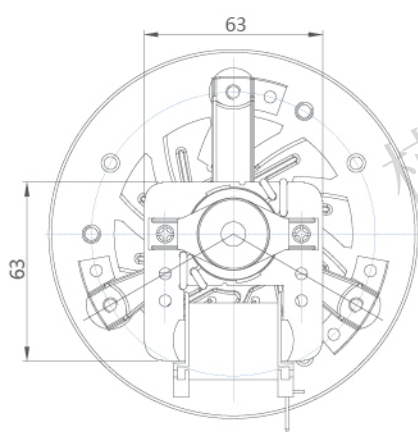
工作方式：S1 绝缘等级：Class F

防护等级：IP41 环境温度：-30°C ~ +80°C

Instructions for Use

Operating mode: S1 Insulation grade: Class F

Protection Class: IP41 Environmental Temperature: -30°C ~ +80°C



电机性能参数表 Motor performance parameter table

Model 型号	Rated voltage 额定电压 V	Rated frequency 额定频率 Hz	Input power 输入功率 W	Rated power 额定功率 W	Rated current 额定电流 A	Rated speed 额定转速 r/min	Size 尺寸			(D) Rotation	License 认证
							A mm	(B)mm 客户订制	(C) 客户订制		
YJF61-20	220-240	50/60	30	5	0.145	1400-2200	20	客户订制	引线式 端子式	CW/CCW	CCC
	110-120	60	30	5	0.4	1000-1800	20	客户订制	引线式 端子式	CW/CCW	CCC
YJF61-25	220-240	50/60	35	6	0.25	1400-2200	25	客户订制	引线式 端子式	CW/CCW	CCC
	110-120	60	35	6	0.50	1000-1800	25	客户订制	引线式 端子式	CW/CCW	CCC
YJF61-30	220-240	50/60	40	7	0.37	1400-2200	30	客户订制	引线式 端子式	CW/CCW	CCC
	110-120	60	40	7	0.65	1000-1800	30	客户订制	引线式 端子式	CW/CCW	CCC
YJF61-35	220-240	50/60	45	8	0.55	1400-2200	35	客户订制	引线式 端子式	CW/CCW	CCC
	110-120	60	45	8	1.0	1000-1800	35	客户订制	引线式 端子式	CW/CCW	CCC
YJF61-40	220-240	50/60	50	9	0.5	1400-2200	40	客户订制	引线式 端子式	CW/CCW	CCC
	110-120	60	50	9	1.2	1000-1800	40	客户订制	引线式 端子式	CW/CCW	CCC

YJF SERIES MOTOR – (CENTRIFUGAL FAN)



产品说明 Product description

- 1、本系列电机具有安全可靠、噪音低、振动小、起动性能好、寿命长等优点；
- 2、本系列电机适用于冰箱、空气净化器、冷暖排气风扇、化痰器、雾化器、加湿器等；
- 3、本系列电机的性能尺寸可根据用户要求设计与生产。

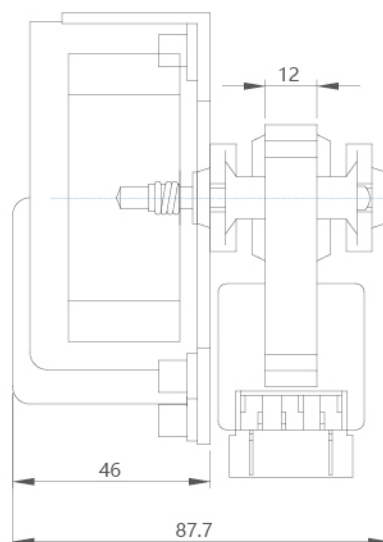
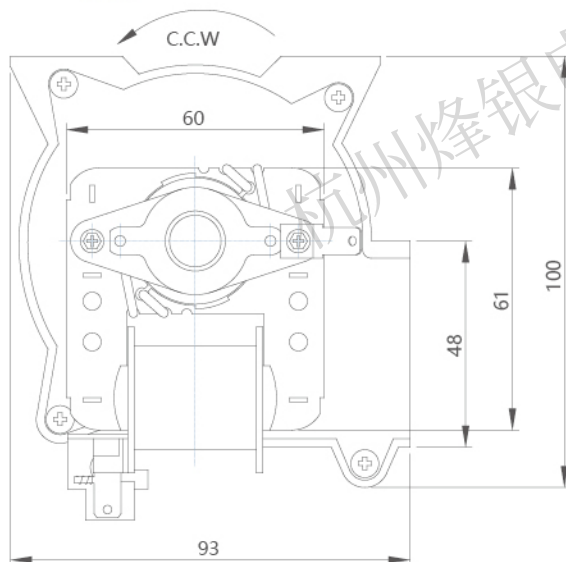
1. This series motor has advantages, such as safety, reliability, low noise, little vibration, excellent starting performance, and long service life.
2. This series motor is applicable to refrigerators, air purifiers, exhaust fans for cooling and heating, phlegm removal devices, atomizers, humidifiers, etc.
3. The performance size of this series motor can be designed and manufactured according to customer's requirements.

使用说明

工作方式：S1 绝缘等级：Class F
防护等级：IP41 环境温度：-30°C ~ +80°C

Instructions for Use

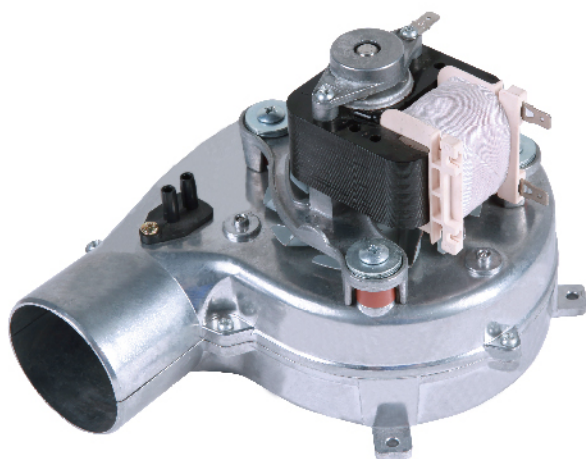
Operating mode: S1 Insulation grade: Class F
Protection Class: IP41 Environmental Temperature: -30°C ~ +80°C



电机性能参数表 Motor performance parameter table

Model 型号	Rated voltage 额定电压 V	Rated frequency 额定频率 Hz	Input power 输入功率 W	Rated current 额定电流 A	Rated speed 额定转速 r/min	Flow rate(max) 最大风量 m ³ /h	Static pressure 最大静压 Pa	Classification 绝缘等级
YJF61-12	220-240	50/60	12	0.12	2500	15	40	E/B
	110-120	60	12	0.12	2650	15	40	E/B

YJF SERIES MOTOR – (WALL-MOUNTED FURNACE FAN)



产品说明 Product description

- 1、本系列电机具有安全可靠、能在高温环境下工作，寿命长等优点；
- 2、本系列电机适用于壁挂炉、食品烘焙机械等；
- 3、本系列电机的性能可根据用户要求设计与生产。

1. This series motor has advantages, such as safety, reliability and long service life, able to be operated under high-temperature environment.

2. This series motor is applicable to wall-mounted furnaces, food baking machines, etc.

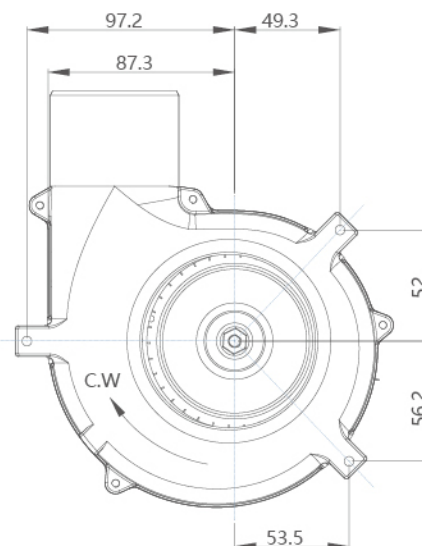
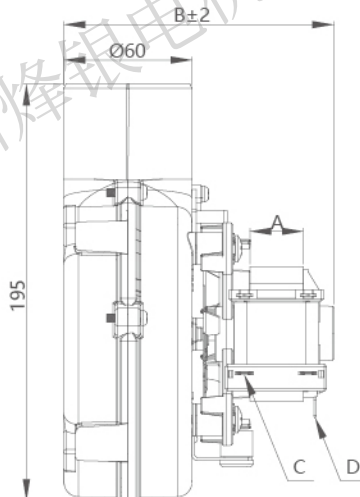
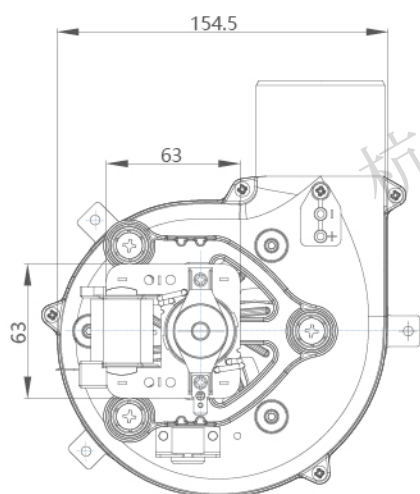
3. The performance size of this series motor can be designed and manufactured according to customer's requirements.

使用说明

工作方式：S1 绝缘等级：Class F
防护等级：IP41 环境温度：-30°C ~ +80°C

Instructions for Use

Operating mode: S1 Insulation grade: Class F
Protection Class: IP41 Environmental Temperature: -30°C ~ +80°C



电机性能参数表 Motor performance parameter table

Model 型号	Rated voltage 额定电压 V	Rated frequency 额定频率 Hz	Input power 输入功率 W	Rated current 额定电流 A	Rated speed 额定转速 r/min	Flow rate(max) 最大风量 m³/h	Static pressure 最大静压 Pa	Size 尺寸				Classification 绝缘等级
								A mm	B mm	C mm	D mm	
YJF61-25	220-240	50/60	28	0.25	1800	85	180	25	可根据客户要求定制			E B F H
	110-120	60	28	0.25	2450	85	180	25	可根据客户要求定制			E B F H
YJF61-30	220-240	50/60	35	0.32	2000	130	220	30	可根据客户要求定制			E B F H
	110-120	60	35	0.32	2550	130	220	30	可根据客户要求定制			E B F H
YJF61-35	220-240	50/60	45	0.42	2250	150	260	35	可根据客户要求定制			E B F H
	110-120	60	45	0.42	2650	150	260	35	可根据客户要求定制			E B F H
YJF61-40	220-240	50/60	55	0.48	2450	160	300	40	可根据客户要求定制			E B F H
	110-120	60	55	0.48	2750	160	300	40	可根据客户要求定制			E B F H

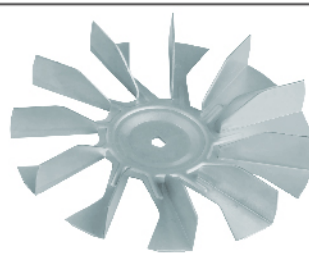
YJF SERIES ACCESSORIES – (FAN BLADE)



A类型
Type A



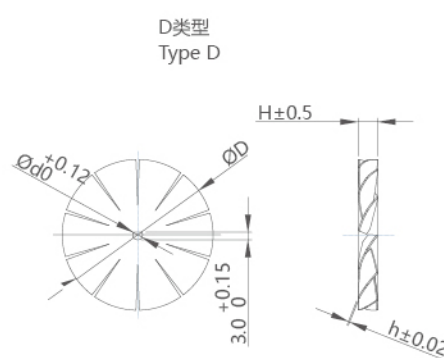
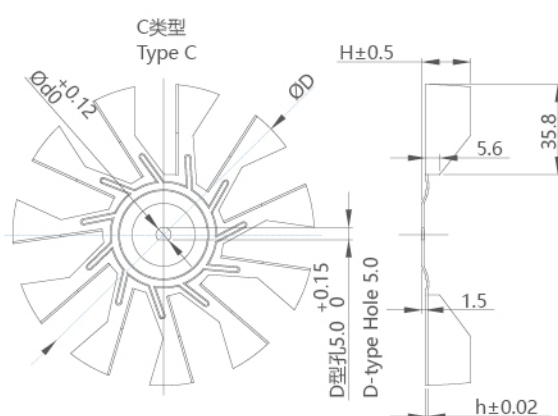
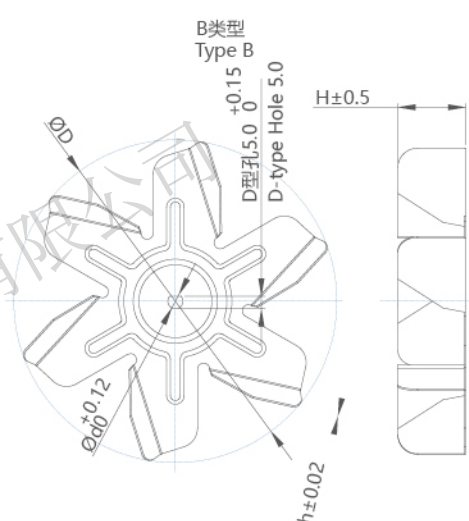
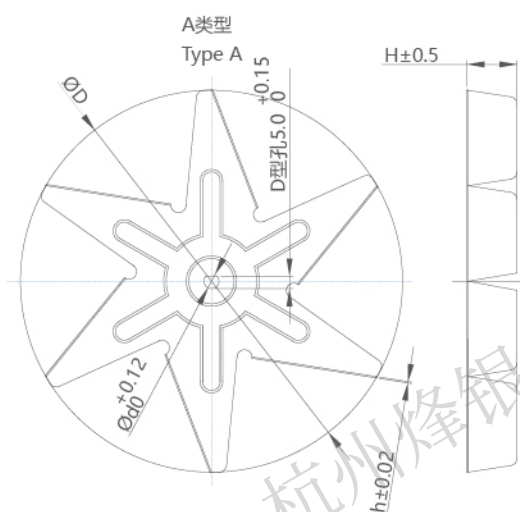
B类型
Type B



C类型
Type C



D类型
Type D



风叶规格尺寸 Fan specification and dimension

Fan blade type 风叶类型	Fan type 风叶型号	External diameter 外径(ØD)mm	Internal hole size 内孔尺寸(Ød) mm	Thickness 高度(H) mm	Material thickness 材料厚度(h) mm	Number of blades 叶片数	Material 材料
A 类型	Ø 152	152	6	20	0.8	6	镀锌板/不锈钢
B 类型	Ø 125	125	6	27	0.6	6	镀锌板/不锈钢
C 类型	Ø 120	120	6	20	0.8	11	镀锌板/不锈钢
D 类型	Ø 60	60	4	8	0.5	10	镀锌板/不锈钢