

New

MATCH-WELL

Motor & Fan

曼淇威新品电机、风机



Changzhou Match-Well Electrical Products Co., Ltd.
常州曼淇威电气产品有限公司

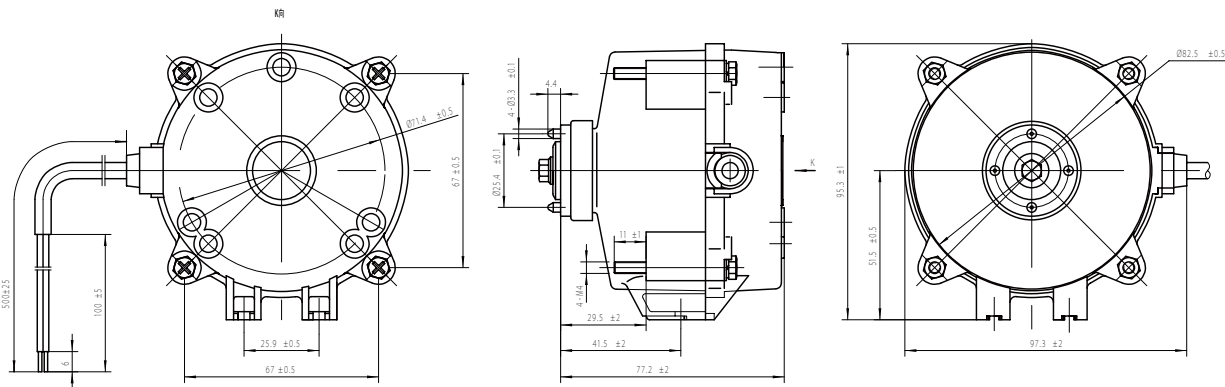
EC Motors EC电机



Application 用途

For freezer fan and similar purposes
用于冷柜风机及类似用途

Typical Outline Dimensions 典型外形尺寸



Main Technical Data 主要技术数据

Type 型号	Voltage 电压 V	Frequency 频率 Hz	Current 电流 A	Input 输入 W	Output 输出 W	Speed 转速 r/min
MWS7-4E-D	220-240	50/60	0.12	14	7	1300
MWS7-4E-S	115	50/60	0.13	11	7	1550
MWS10-4E-D	220-240	50/60	0.14	17	10	1300
MWS10-4E-S	115	50/60	0.21	16	10	1550
MWS16-4E-D	220-240	50/60	0.25	30	16	1300
MWS16-4E-S	115	50/60	0.40	25	16	1550
MWS20-4E-D	220-240	50/60	0.25	30	20	1500
MWS25-4E-D	220-240	50/60	0.30	36	25	2300

- Amb. Temperature 环境温度: -30~+50°C
- Protection Level 防护等级: IP54
- Insulation class 绝缘等级: B
- Direction of rotation 转向: CCW
- Winding protection 绕组保护: Electronic protection and thermal protection 电子保护及过热保护
- Bearing/Mounting 轴承/安装: Ball/Any 滚珠轴承/任意

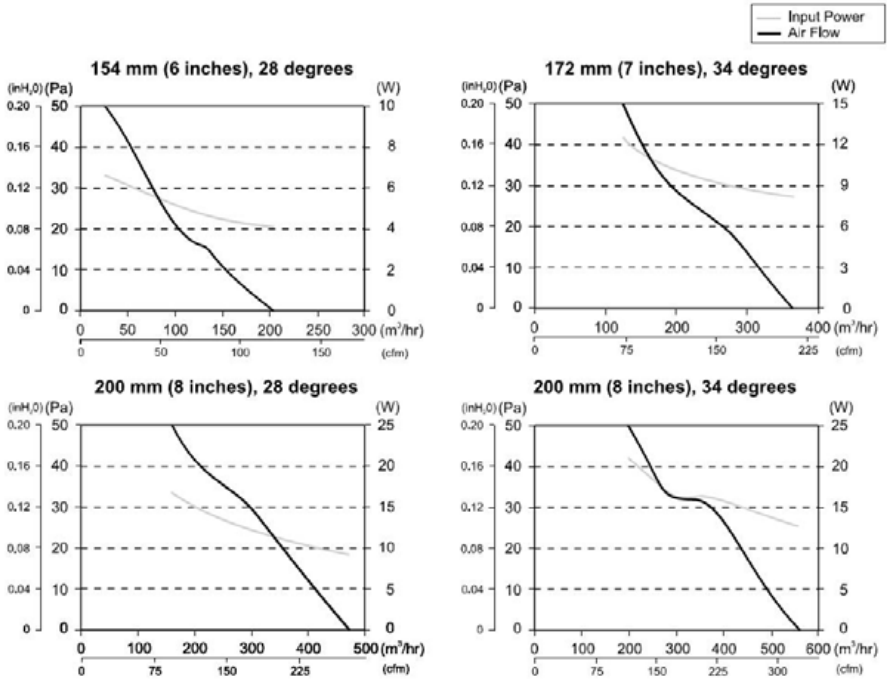
EC Fans EC风机



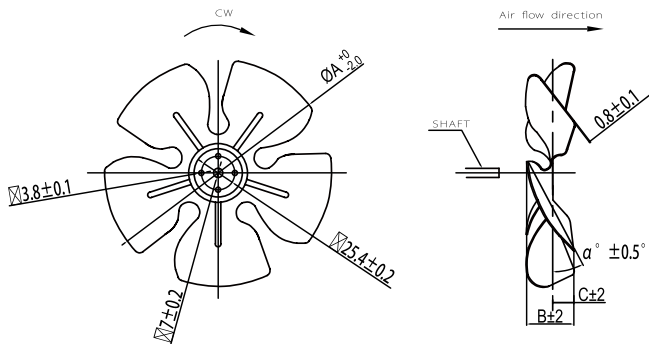
Application 用途

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Main Characteristic Curves 主要特性曲线



Axial Impeller 轴流风叶



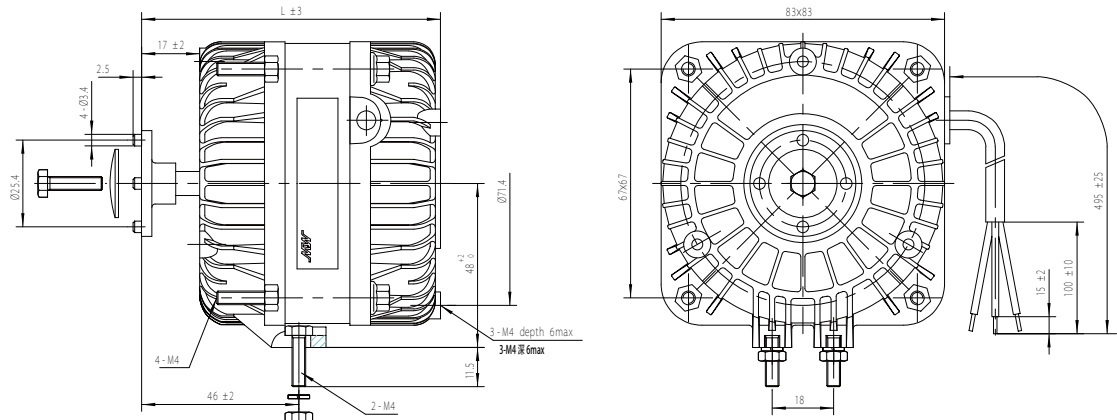
Axial Impeller TYPE	A	19°		22°		25°		28°		31°		34°	
		B	C	B	C	B	C	B	C	B	C	B	C
Φ154	154	23	12	26	13	29	15	32	17	36	18	39	21
Φ172	172	25	13	28	14	31	16	34	17	68	18	41	21
Φ200	200	27	14	30	15	33	17	36	19	40	21	43	24
Φ230	230	30	15	33	16	36	19	39	21	42	20	45	23
Φ254	254	32	15	35	16	38	18	41	21	44	22	47	23

Shaded-Pole Motors 罩极电机



Application 用途
For freezer fan and similar purposes
用于冷柜风机及类似用途

Typical Outline Dimensions 典型外形尺寸



Main Technical Data 主要技术数据

Type 型号	Voltage 电压 V	Frequency 频率 Hz	Current 电流 A	Input 输入 W	Output 输出 W	Speed 转速 r/min	L mm
YZF5-A	115	50/60	0.40	5	30	1300	31.5
YZF5-B	220-240	50/60	0.20	5	30	1550	31.5
YZF7-A	115	50/60	0.46	7	31	1300	37.5
YZF7-B	220-240	50/60	0.23	7	31	1550	37.5
YZF10-A	115	50/60	0.50	10	36	1300	37.5
YZF10-B	220-240	50/60	0.25	10	36	1550	37.5
YZF16-A	115	50/60	0.90	16	60	1300	93.5
YZF16-B	220-240	50/60	0.45	16	60	1550	93.5
YZF18-A	115	50/60	1.0	18	70	1300	98.5
YZF18-B	220-240	50/60	0.50	18	70	1550	98.5
YZF25-A	115	50/60	1.4	25	90	1300	108.5
YZF25-B	220-240	50/60	0.70	25	90	1550	108.5

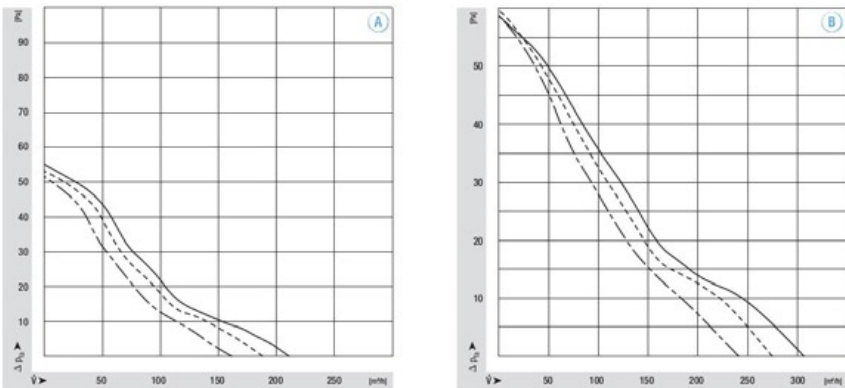
- Amb. Temperature 环境温度: -30 ~ +50°C
- Protection Level 防护等级: IP20
- Insulation class 绝缘等级: B
- Direction of rotation 转向: CCW
- Winding protection 绕组保护: Impedance protection or thermal protection 阻抗或热保护
- Bearing/Mounting 轴承/安装: Sleeve/Horizontal, Ball/Any 含油轴承/水平安装, 滚珠轴承/任意

Shaded-Pole Fans 罩极风机



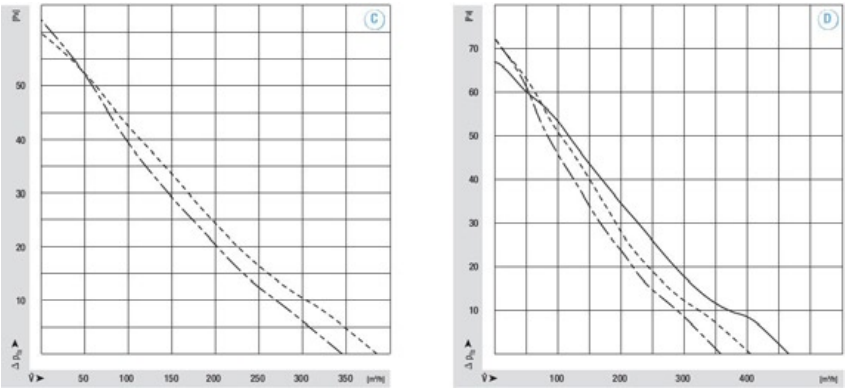
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Main Characteristic Curves 主要特性曲线



YZF7-A/B+Impeller154:

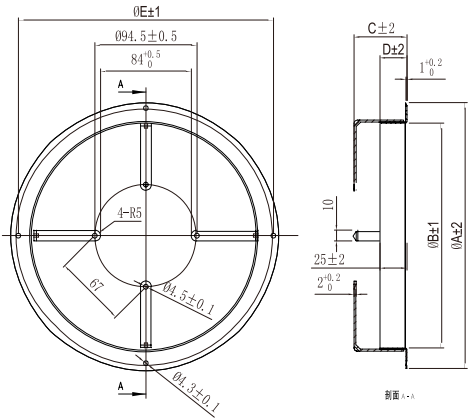
YZF7-A/B+Impeller154:



YZF10-A/B+Impeller154:

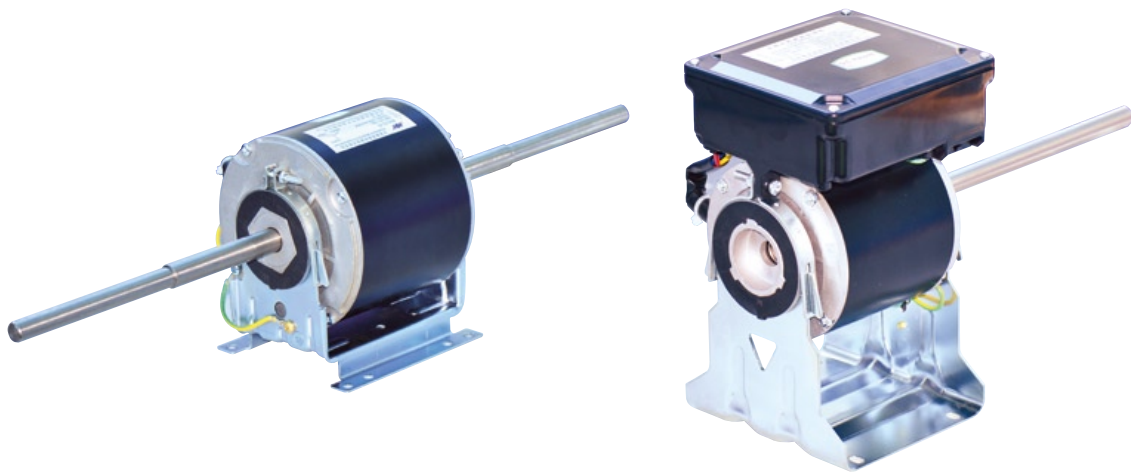
YZF10-A/B+Impeller154:

Ring Mount 风框



图号 Drawing NO.	型号 MODEL	A	B	C	D	E
WD5358A-01	154	200	162	49	25	190
WD5358A-02	172	223	180			208
WD5358A-03	200	246	208			236
WD5358A-04	230	278	238			266
WD5358A-05	254	300	262			290
WD5358A-06	300	278	308			365

Fan Coil EC & DC Motors 风机盘管用EC和DC电机



Structure 结构

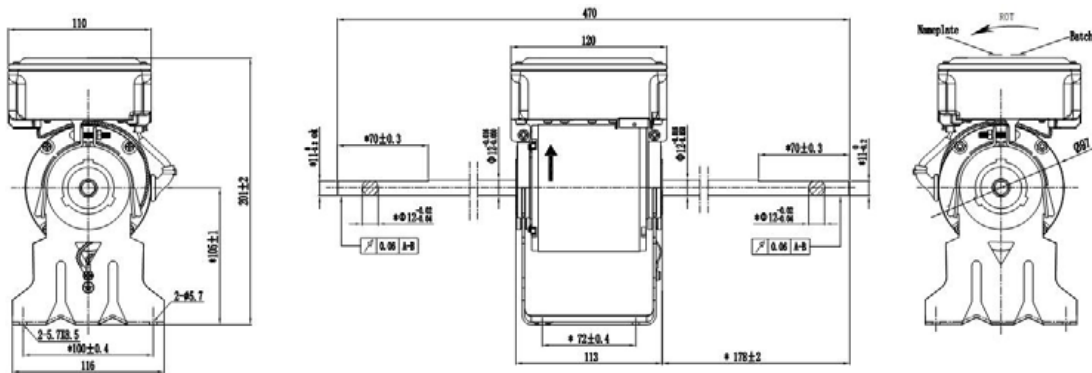
A. Motor drive can be built-in or outside of the motor. Both external separate or integrated power supply can be provided as per customer's request.

电机驱动有内置和外置两种结构，可以按照要求提供外置独立或组合电源。

B. Motor can be supplied with temperature controller. It has maximum 135 groups of data settings, and can assign 5 shifts of voltage automatically to realize automatic stepless speed regulation or multiple speeds that meets the multi-usage.

可带温控，最多可以设置135组数据，可以自动分配5档电压，实现自动无级变速或选择多档调速，满足一机多用。

Typical Outline Dimensions 典型外形尺寸



Main Technical Data 主要技术数据

Type 型号	Voltage 电压 V	Frequency 频率 Hz	Current 电流 A	Input 输入 W	Output 输出 W	Speed 转速 r/min	Efficiency 效率 %	IP防护等 级	备注
MWS80-8E-S	220-240 VAC	50/60	0.54/0.45	106	80	1350	76	42	Double Shaft 双轴
MWS120-8E-S			0.8/0.67	160	120	1300	76	42	
MWS80-8E-D			0.54/0.45	106	80	1350	76	42	Single Shaft 单轴
MWS120-8E-S			0.8/0.67	160	120	1300	76	42	
MWS80-8E-S2			0.73/0.67	106	80	1350/1100/950	76	20	Double Shaft 双轴
MWS120-8E-S2			1.1/1.01	160	120	1300/1050/900	76	20	
MWS80-8E-D2			0.73/0.76	106	80	1350/1100/950	76	20	Single Shaft 单轴
MWS120-8E-D2			1.1/1.01	160	120	1300/1050/900	76	20	
MWS80-8K	310 VDC	/	0.34	106	80	1350	76	42	Double Shaft 双轴
MWS120-8K			0.51	160	120	1300	76	42	
MWS80-8K2			0.34	106	80	1350	76	42	Single Shaft 单轴
MWS120-8K2			0.51	160	120	1300	76	42	

- Amb. Temperature 环境温度: -15~+50℃
- Store condition 贮存温度: -30~+60℃
- Protection Level 防护等级: IP20/IP42
- Power range 功率范围: 10W~120W
- Insulation class 绝缘等级: B
- Direction of rotation 转向: According to customer requirements 根据客户要求
- Bearing/Mounting 轴承/安装: Ball/ 滚珠轴承/Any 任意
- Phase Current Protection 相电流保护
- Short Circuit Protection 短路保护
- Over temperature Protection 过热保护
- No position sensor (separate) 无位置传感 (外置)
- Position sensor (built-in) 带位置传感 (内置)
- SVPWM Sin 180° Drive 正弦波180° 驱动



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常州曼淇威电气产品有限公司

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