

YWF Axial Fans

YWF 系列产品概述 YWF Summarize of products

- YWF系列轴流风机为外转子电机，该系列外转子电机具有结构紧凑、安装方便、运行可靠、噪音低、节能高效等特点。
- YWF系列轴流风机分为单相异步电容运转和三相异步运转两种。广泛应用于冷凝器、蒸发器等制冷设备及通风循环领域。
- YWF系列轴流风机的绝缘等级为B级、F级。
- 电压：单相电容运转电机为220V/50Hz,三相电机为380V/50Hz。我们可以按照客户要求生产不同电压、频率的电机。
- 电机电源引线标准长度为1.5米，同时还有接线盒形式可供客户选择。
- 电机适用的环境温度为一30℃~60℃。
- 电机平均使用寿命为30000小时以上。
- 我厂所有电机通过欧洲CE认证和中国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。
- YWF series axial fans are external rotor fan motors. These motors have characteristics of compact structure, convenient installation, energy conservation and high efficiency.
- YWF series axial fan motors have two types, single phase asynchronous capacitor run fan motor and three phases asynchronous fan motor, They are widely used in condenser, evaporator and other refrigeration equipment and ventilating cycle areas.
- The insulation class of the YWF series axial fans is B or F.
- Voltage: The voltage of the single phase motor is 220V/50Hz, and the voltage of the three phases motors is 380V/50Hz. We can also supply other fan motors with different voltages and frequencies according to clients' requirement.
- The standard length of the electrical wire on the fan is 1.5m and we can also supply the fan motors with connection box for clients' choices.
- The applicable ambient temperature of the fan motors used in condenser is from -30℃ to 60℃.
- The average service life of motors is over 30000 hours.
- All motors in our factory got CE approval in Europe and CCC safety certificate in China.
- Before operating the motor, make sure to put the earth wire of the motor connected with the external grounding device.

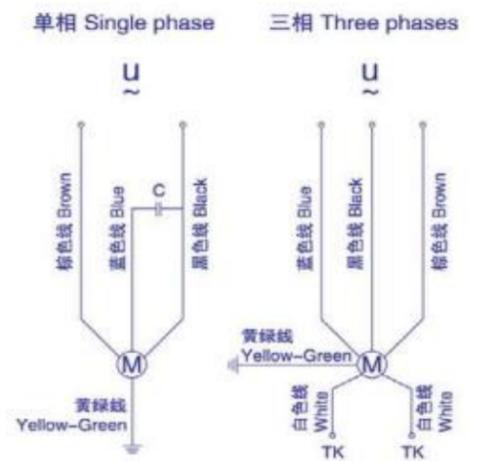
风机型号说明 Illustration of fan motor model

YWF - 4 E - 350 - S - 102 / 34 - *

① ②③ ④ ⑤ ⑥ ⑦ ⑧

- ① 交流感应异步外转子风扇电动机
AC Induction asynchronous external rotor fan motor
- ② 电机极数
Motor poles
- ③ E - 单相电容运转, D - 三相异步运转
E - Single phase capacitor operation, D - Three phases asynchronous operation
- ④ 风叶直径
The diameter of the fan blade
- ⑤ 风向: S-吸风, B-吹风
Air direction: S-Sucking, B-Blowing
- ⑥ 转子直径
The diameter of the rotor
- ⑦ 铁芯叠厚
The thickness of laminated core
- ⑧ 风机特征:
G-网罩, B-方框, T-圆筒, R-圆框, E-IP54, J-冷风机专用
Characteristics of the fan motor:
G-Grid, B-Square Frame, T-Cylinder, R-Round Frame, E-Insulation class IP54, J-Special for air cooler

接线图 Wiring diagram



Ø 200 外转子轴流风机 Axial Fans

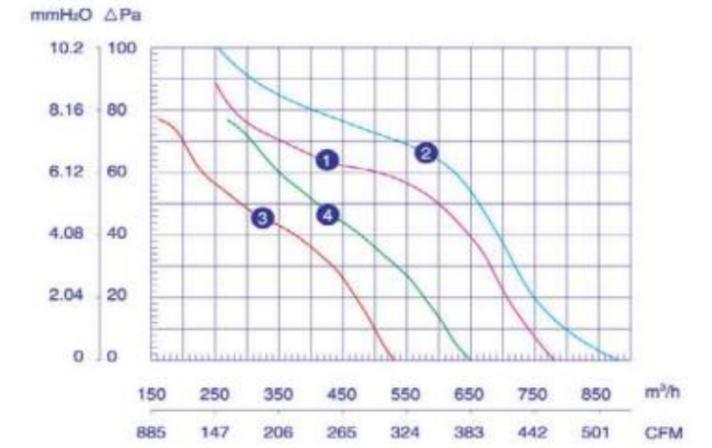


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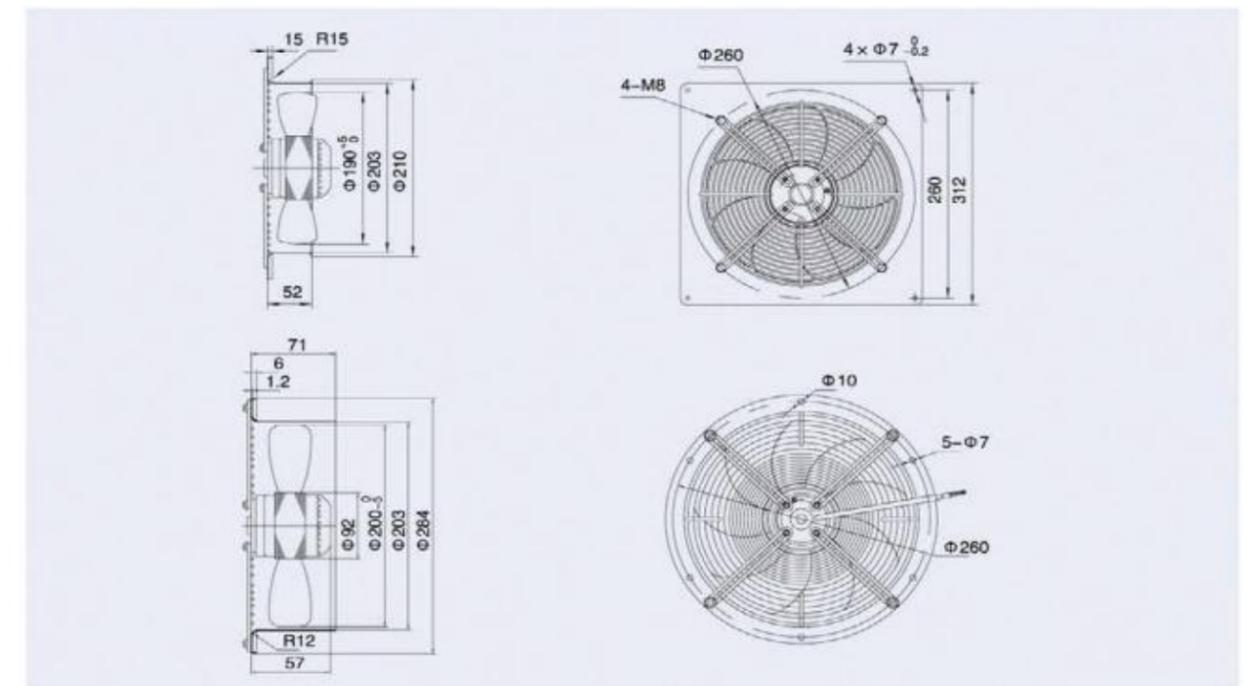
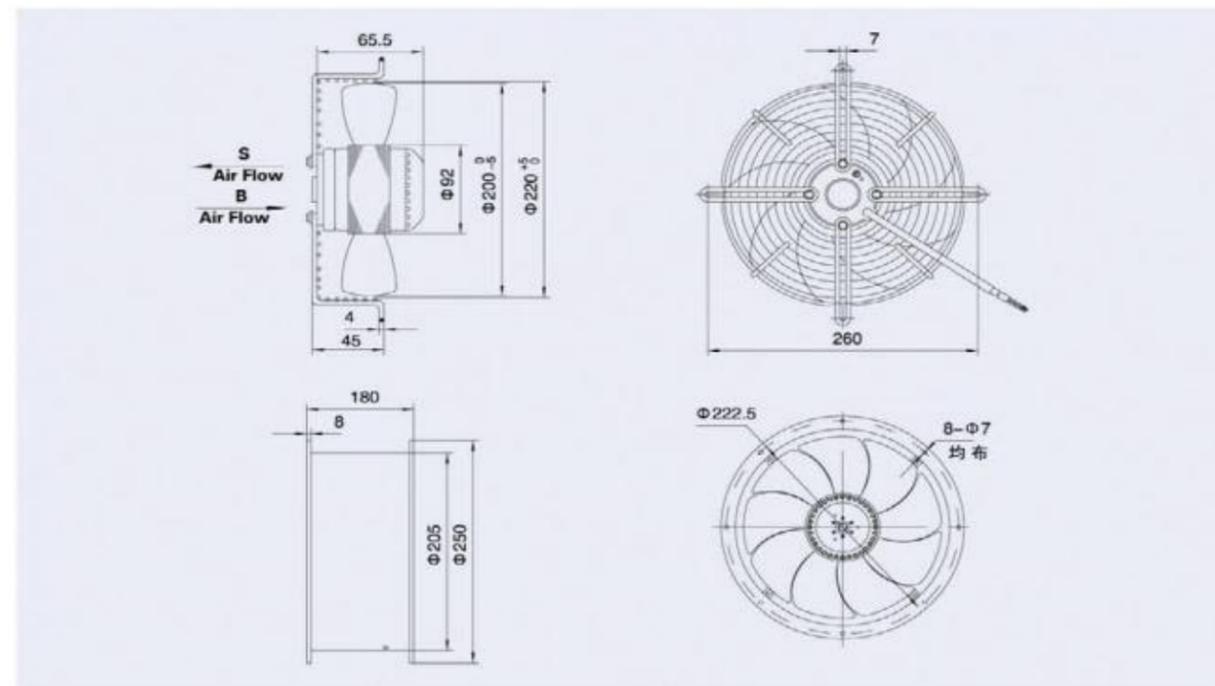
工作方式: S1
 绝缘等级: B级 F级
 环境温度: -30℃ - 60℃

应用范围:

2E-200-9 220V/50Hz 0-90Pa (20Pa-710m³/h)
 2E-200-9 120V/60Hz 0-90Pa (20Pa-750m³/h)
 4E-200-9 220V/50Hz 0-60Pa (20Pa-470m³/h)
 4E-200-9 120V/60Hz 0-60Pa (20Pa-580m³/h)



				VOLTAGE 额定电压 V	FREQUENCY 频率 Hz	CURRENT 额定电流 A	INPUT 输入功率 W	SPEED 额定转速 r/min	AIR VOLUME 额定风量 m³/h	CAPACITANCE 电容 μF	NOISE 噪音 dBA	NET WEIGHT 净重 kg	LICENSE 证书	NO. ON THE CURVE
YWF-2E-200-S-92/15-G	YWF-2E-200-S-92/15-T	YWF-2E-200-S-92/15-B	YWF-2E-200-S-92/15-R	220	50	0.26	55	2300	780	2	50	3.5	CE	1
				120	60	0.65	75	2500	890	8	50	3.5		2
YWF-4E-200-S-92/15-G	YWF-4E-200-S-92/15-T	YWF-4E-200-S-92/15-B	YWF-4E-200-S-92/15-R	220	50	0.21	40	1400	530	1.5	45	3.5	CE	3
				120	60	0.31	40	1700	650	5	45	3.5		4



Ø 250 外转子轴流风机 Axial Fans

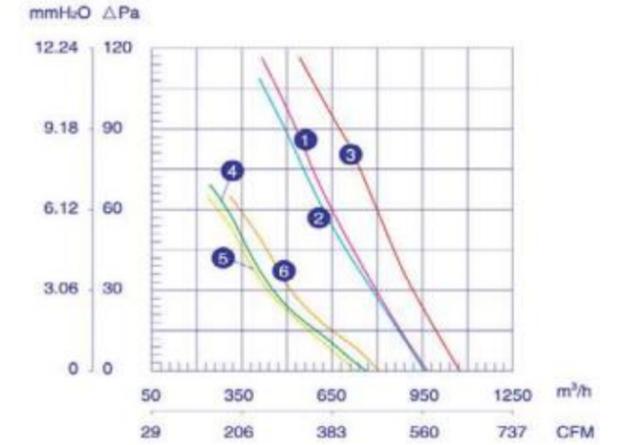


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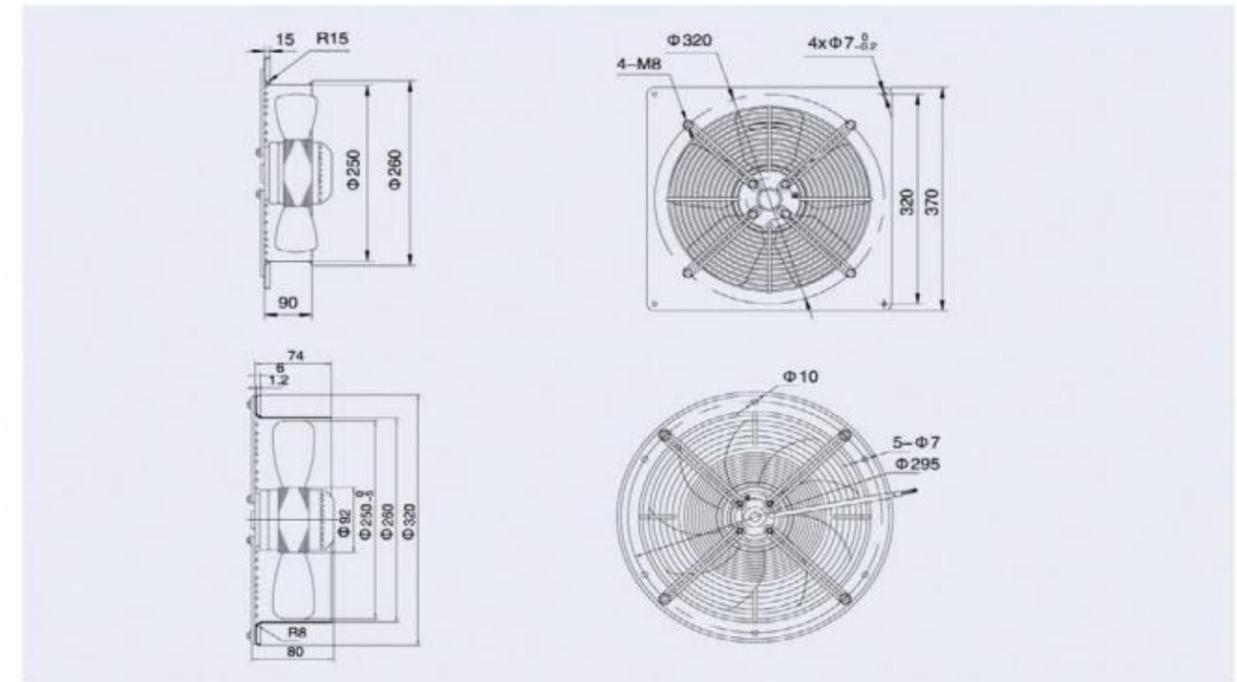
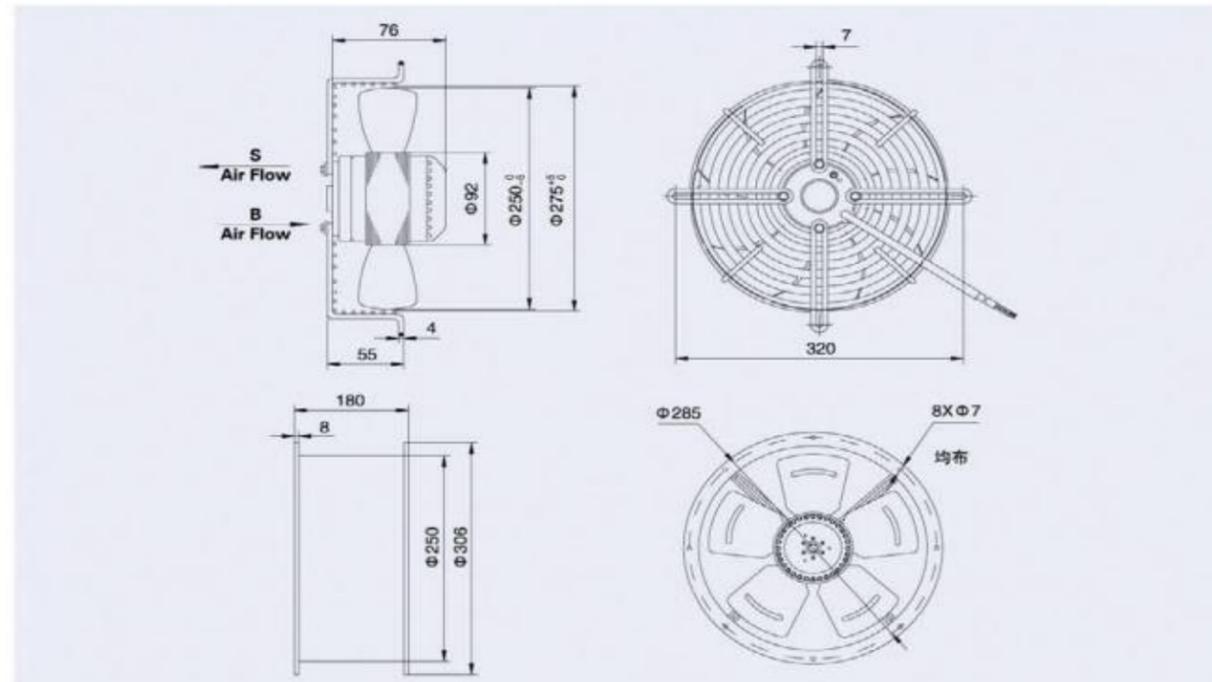
工作方式: S1
 绝缘等级: B级 F级
 环境温度: -30°C ~ 60°C

应用范围:

2D-250 380V/50Hz 0-90Pa (20Pa-850m³/h)
 2E-250 220V/50Hz 0-90Pa (20Pa-830m³/h)
 2E-250 120V/60Hz 0-60Pa (20Pa-950m³/h)
 4D-250 380V/50Hz 0-60Pa (20Pa-540m³/h)
 4E-250 220V/50Hz 0-60Pa (20Pa-520m³/h)
 4E-250 120V/60Hz 0-60Pa (20Pa-600m³/h)



YWF-2D-250-S-92/25-G	YWF-2D-250-S-92/25-T	YWF-2D-250-S-92/25-B	YWF-2D-250-S-92/25-R	VOLTAGE 额定电压 V	FREQUENCY 频率 Hz	CURRENT 额定电流 A	INPUT 输入功率 W	SPEED 额定转速 r/min	AIR VOLUME 额定风量 m³/h	CAPACITANCE 电容 μF	NOISE 噪音 dBA	NET WEIGHT 净重 kg	LICENSE 证书	NO. ON THE CURVE
YWF-2E-250-S-92/25-G	YWF-2E-250-S-92/25-T	YWF-2E-250-S-92/25-B	YWF-2E-250-S-92/25-R	380	50	0.22	80	2500	970	1	60	2.5	UL CE	1
YWF-4D-250-S-92/25-G	YWF-4D-250-S-92/25-T	YWF-4D-250-S-92/25-B	YWF-4D-250-S-92/25-R	220	50	0.40	80	2400	960	3	60	2.5	UL CE	2
YWF-4E-250-S-92/25-G	YWF-4E-250-S-92/25-T	YWF-4E-250-S-92/25-B	YWF-4E-250-S-92/25-R	120	60	0.95	120	2850	1070	10	60	2.5	UL CE	3
				380	50	0.17	60	1400	770	1	55	2.5	UL CE	4
				220	50	0.23	50	1380	730	2	55	2.5	UL CE	5
				120	60	0.55	65	1600	800	8	55	2.5	UL CE	6



Ø 300 外转子轴流风机 Axial Fans

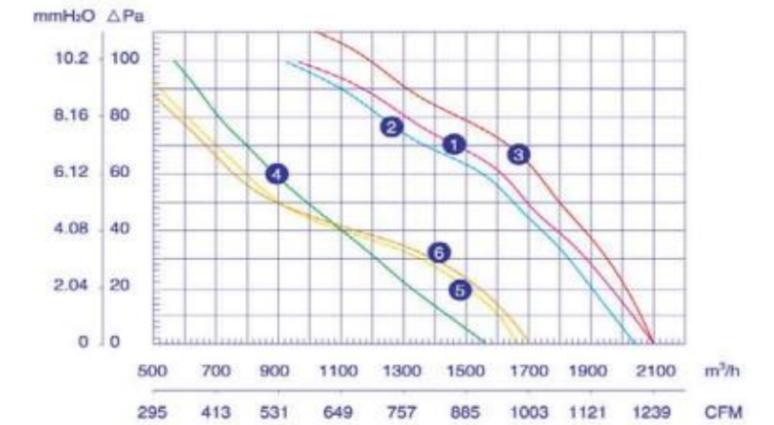


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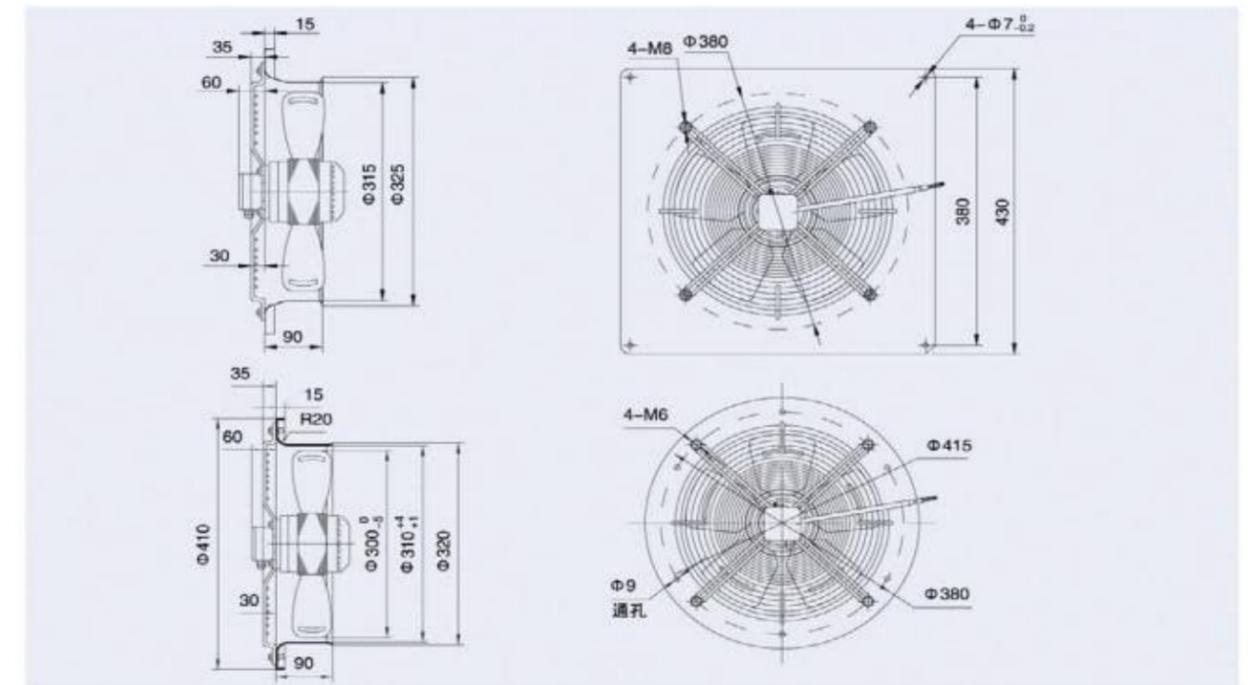
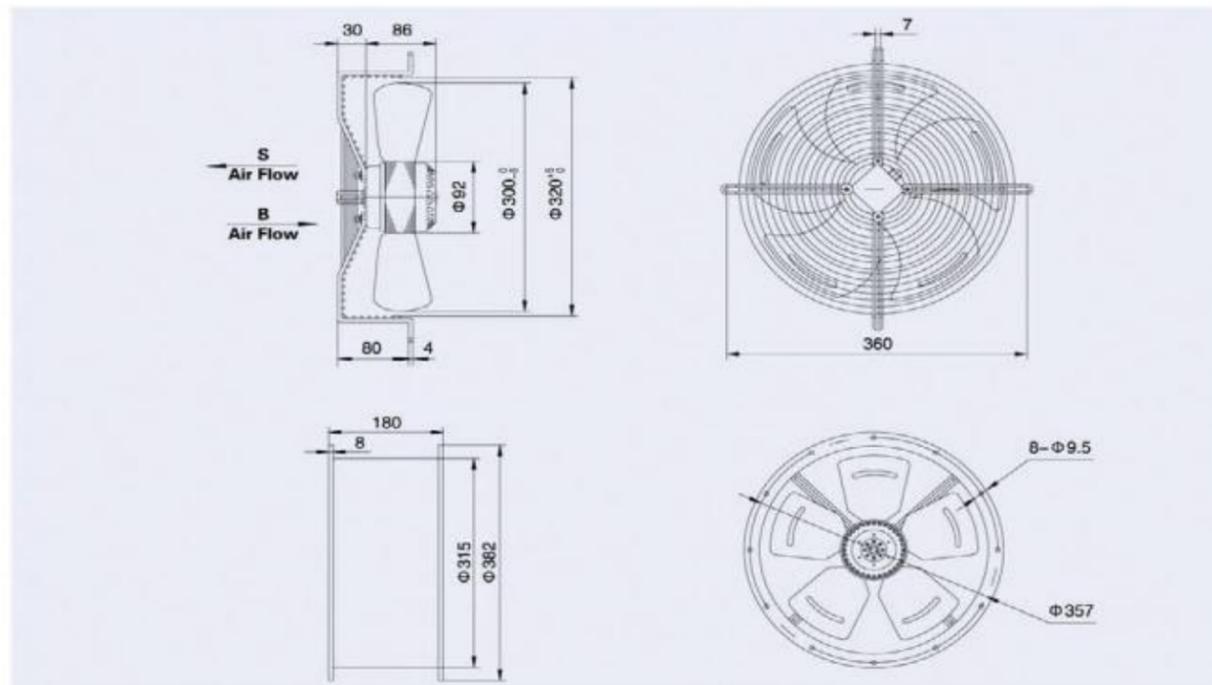
工作方式: S1
 绝缘等级: B级 F级
 环境温度: -30°C ~ 60°C

应用范围:

2D-300 380V/50Hz 0-90Pa (20Pa-1970m³/h)
 2E-300 220V/50Hz 0-90Pa (20Pa-1900m³/h)
 2E-300 120V/60Hz 0-60Pa (20Pa-2000m³/h)
 4D-300 380V/50Hz 0-60Pa (20Pa-1330m³/h)
 4E-300 220V/50Hz 0-60Pa (20Pa-1500m³/h)
 4E-300 120V/60Hz 0-60Pa (20Pa-1550m³/h)



Icon	Icon	Icon	Icon	VOLTAGE 额定电压 V	FREQUENCY 频率 Hz	CURRENT 额定电流 A	INPUT 输入功率 W	SPEED 额定转速 r/min	AIR VOLUME 额定风量 m³/h	CAPACITANCE 电容 μF	NOISE 噪音 dBA	NET WEIGHT 净重 kg	LICENSE 证书	NO. ON THE CURVE
				380	50	0.25	145	2380	2118	/	60	3.0	CE	1
				220	50	0.86	145	2300	2030	4	60	3.0	CE	2
				120	60	1.76	210	2500	2100	16	60	3.0	CE	3
				380	50	0.22	75	1380	1563	/	58	3.0	CE	4
				220	50	0.42	85	1350	1664	3	58	3.0	CE	5
				120	60	0.85	95	1550	1700	10	58	3.0	CE	6



Ø 350 外转子轴流风机 Axial Fans

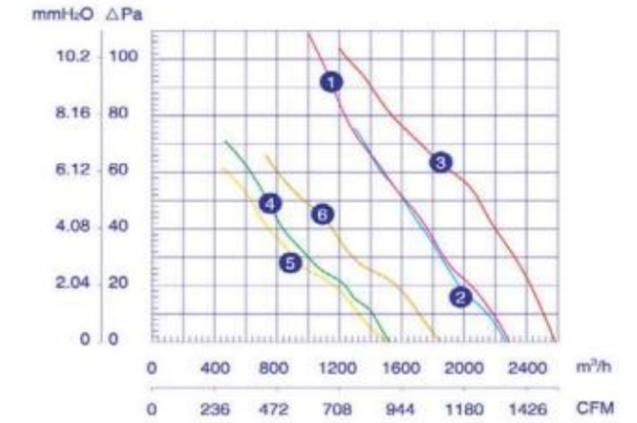


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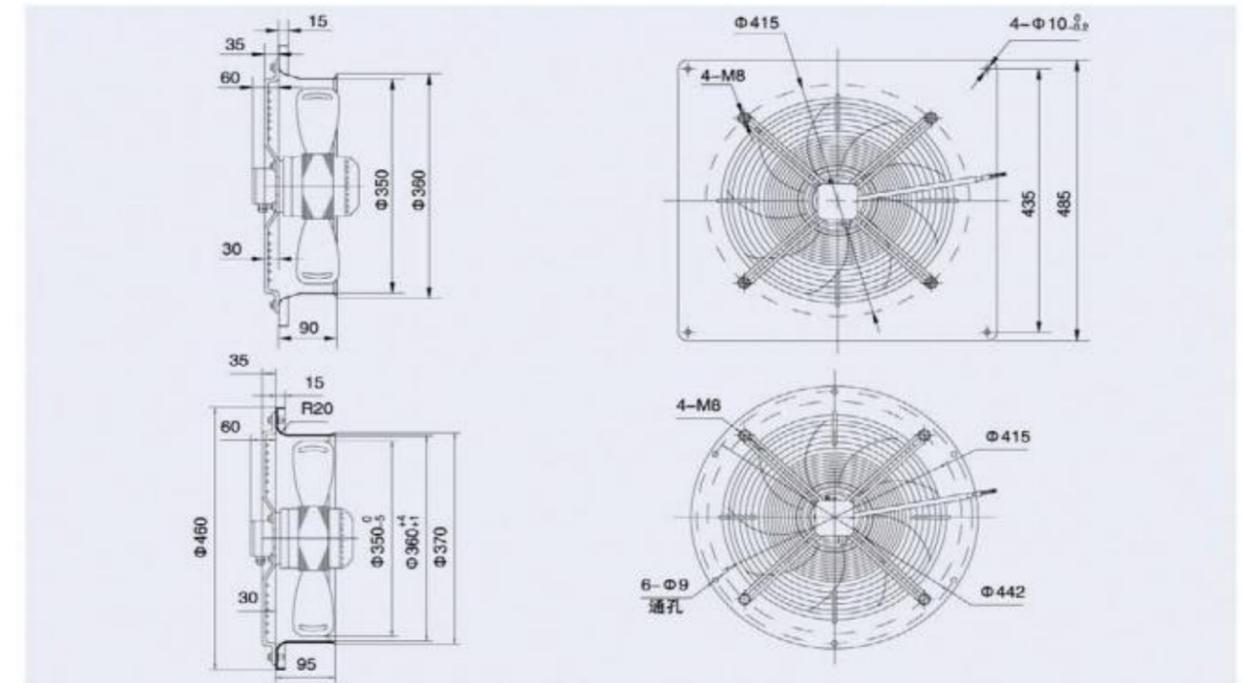
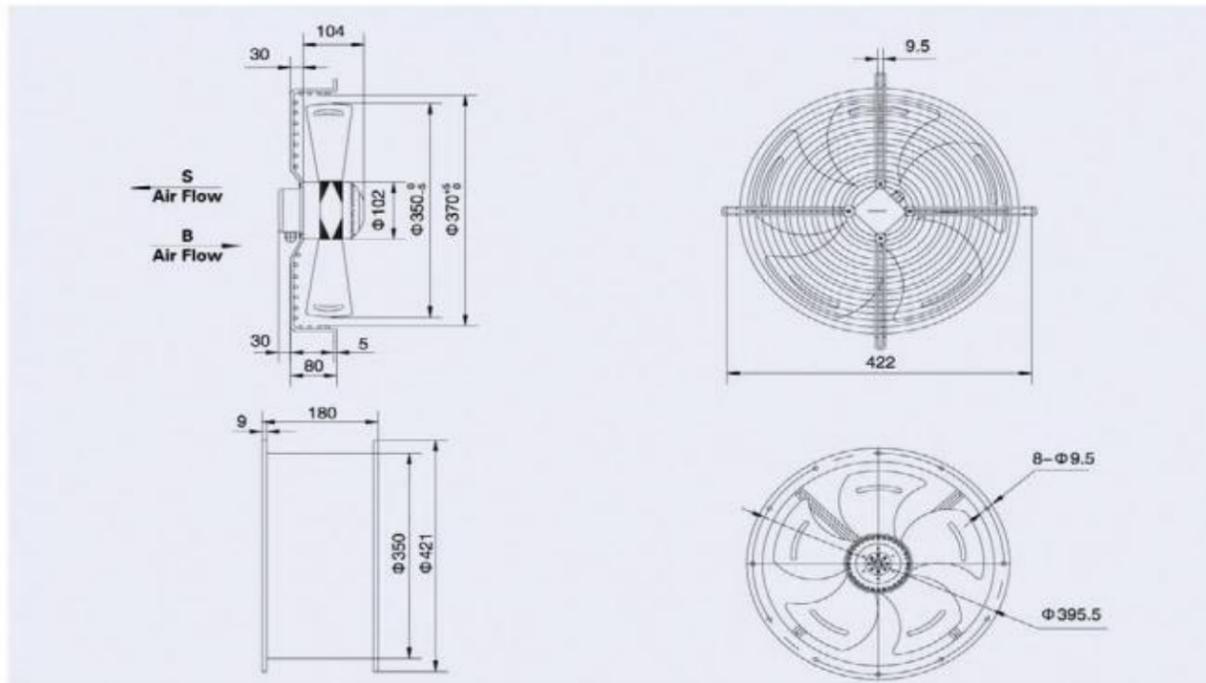
工作方式: S1
 绝缘等级: B级 F级
 环境温度: -30℃ ~ 60℃

应用范围:

- 4D-350 380V/50Hz 0-90Pa (20Pa-2090m³/h)
- 4E-350 220V/50Hz 0-90Pa (20Pa-1960m³/h)
- 4E-350 120V/60Hz 0-90Pa (20Pa-2440m³/h)
- 6D-350 380V/50Hz 0-60Pa (20Pa-1170m³/h)
- 6E-350 220V/50Hz 0-60Pa (20Pa-1240m³/h)
- 6E-350 120V/60Hz 0-60Pa (20Pa-1156m³/h)



Icon	Icon	Icon	Icon	VOLTAGE 额定电压 V	FREQUENCY 频率 Hz	CURRENT 额定电流 A	INPUT 输入功率 W	SPEED 额定转速 r/min	AIR VOLUME 额定风量 m³/h	CAPACITANCE 电容 μF	NOISE 噪音 dBA	NET WEIGHT 净重 kg	LICENSE 证书	NO. ON THE CURVE
				380	50	0.38	140	1380	2290	/	62	5.0	CE	1
				220	50	0.65	140	1380	2270	4	62	5.0	CE	2
				120	60	1.65	180	1600	2580	16	62	5.0	CE	3
				380	50	0.30	80	920	1520	/	56	5.0	CE	4
				220	50	0.40	80	920	1590	3	56	5.0	CE	5
				120	60	0.68	80	1080	1840	8	56	5.0	CE	6



Ø 400 外转子轴流风机 Axial Fans

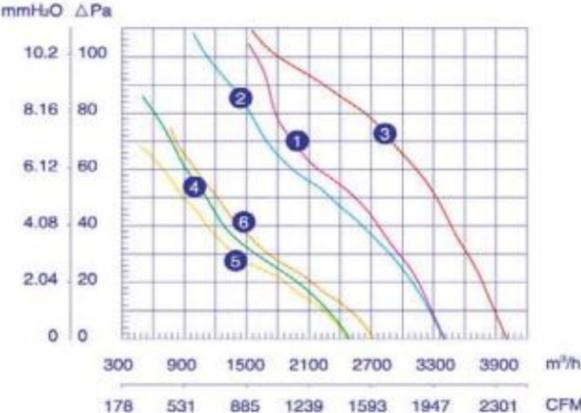


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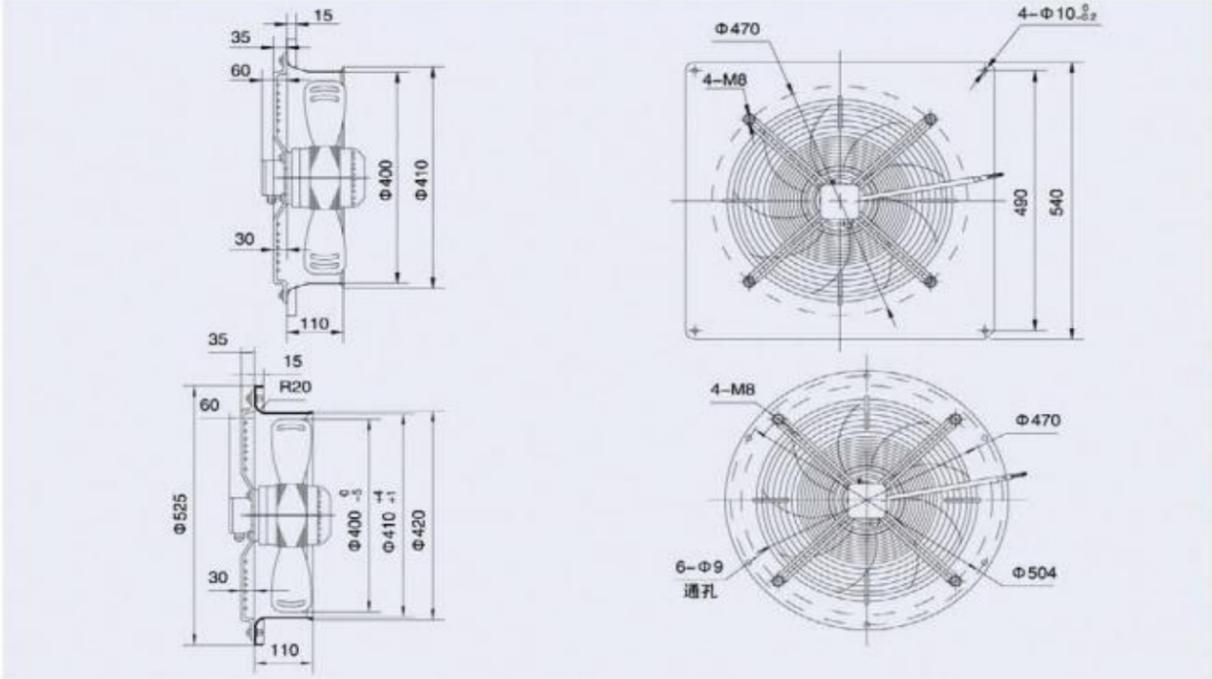
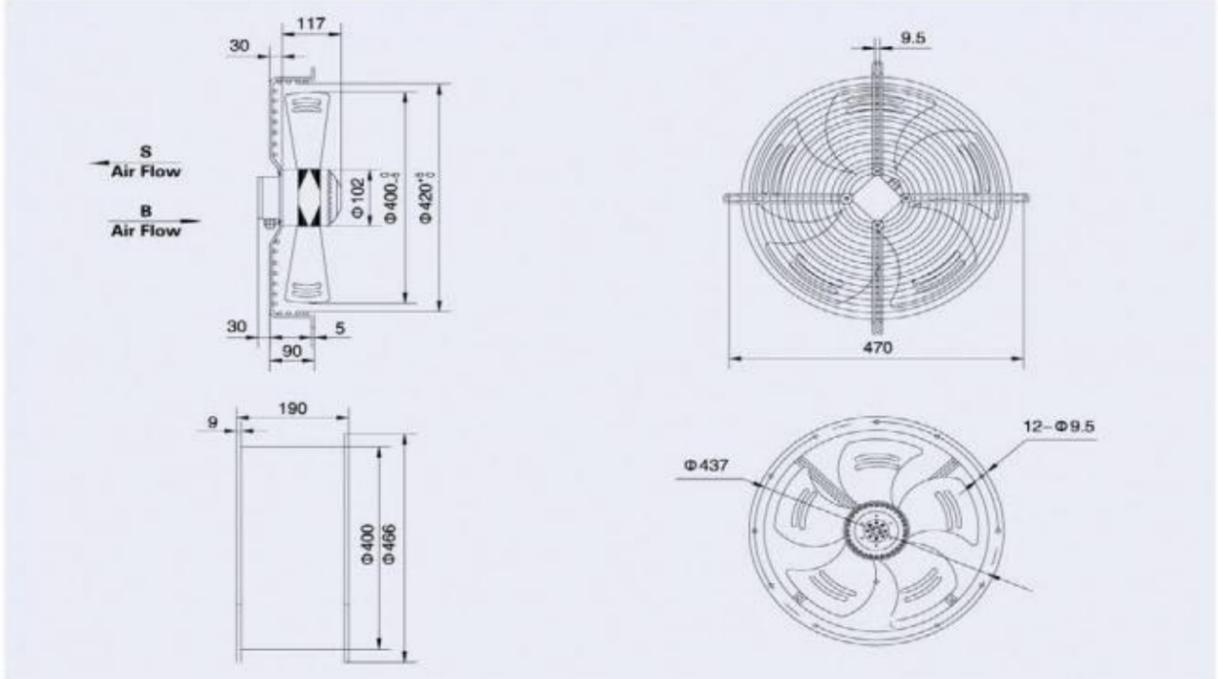
工作方式: S1
 绝缘等级: B级 F级
 环境温度: -30°C ~ 60°C

应用范围:

- 4D-400 380V/50Hz 0-90Pa (20Pa-3150m³/h)
- 4E-400 220V/50Hz 0-90Pa (20Pa-3200m³/h)
- 4E-400 120V/60Hz 0-90Pa (20Pa-3800m³/h)
- 6D-400 380V/50Hz 0-60Pa (20Pa-1980m³/h)
- 6E-400 220V/50Hz 0-60Pa (20Pa-1880m³/h)
- 6E-400 120V/60Hz 0-60Pa (20Pa-2150m³/h)



Model	VOLTAGE 额定电压 V	FREQUENCY 频率 Hz	CURRENT 额定电流 A	INPUT 输入功率 W	SPEED 额定转速 r/min	AIR VOLUME 额定风量 m ³ /h	CAPACITANCE 电容 μF	NOISE 噪音 dBA	NET WEIGHT 净重 kg	LICENSE 证书	NO. ON THE CURVE
YWF-4D-400-S-102/47-G	380	50	0.47	180	1380	3400	/	68	6.0	CE	1
YWF-4E-400-S-102/47-G	220	50	0.82	180	1380	3541	6	68	6.0	CE	2
YWF-4E-400-S-102/47-T	120	60	2.35	250	1600	4000	22	58	6.0	CE	3
YWF-6D-400-S-102/47-G	380	50	0.38	108	920	2490	/	58	6.0	CE	4
YWF-6E-400-S-102/47-G	220	50	0.50	108	920	2460	4	58	6.0	CE	5
YWF-6E-400-S-102/47-T	120	60	1.20	135	960	2710	12	58	6.0	CE	6



Ø450 外转子轴流风机 Axial Fans

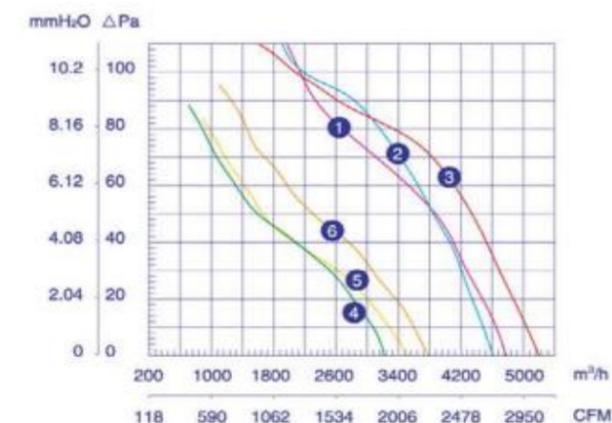


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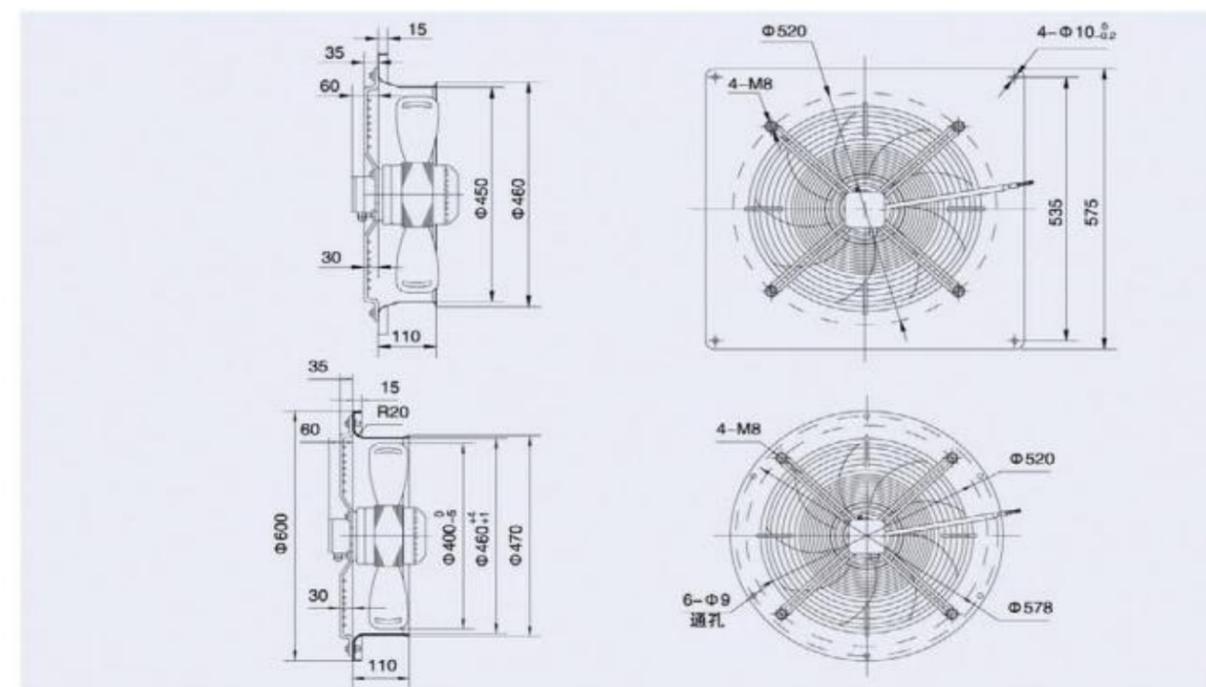
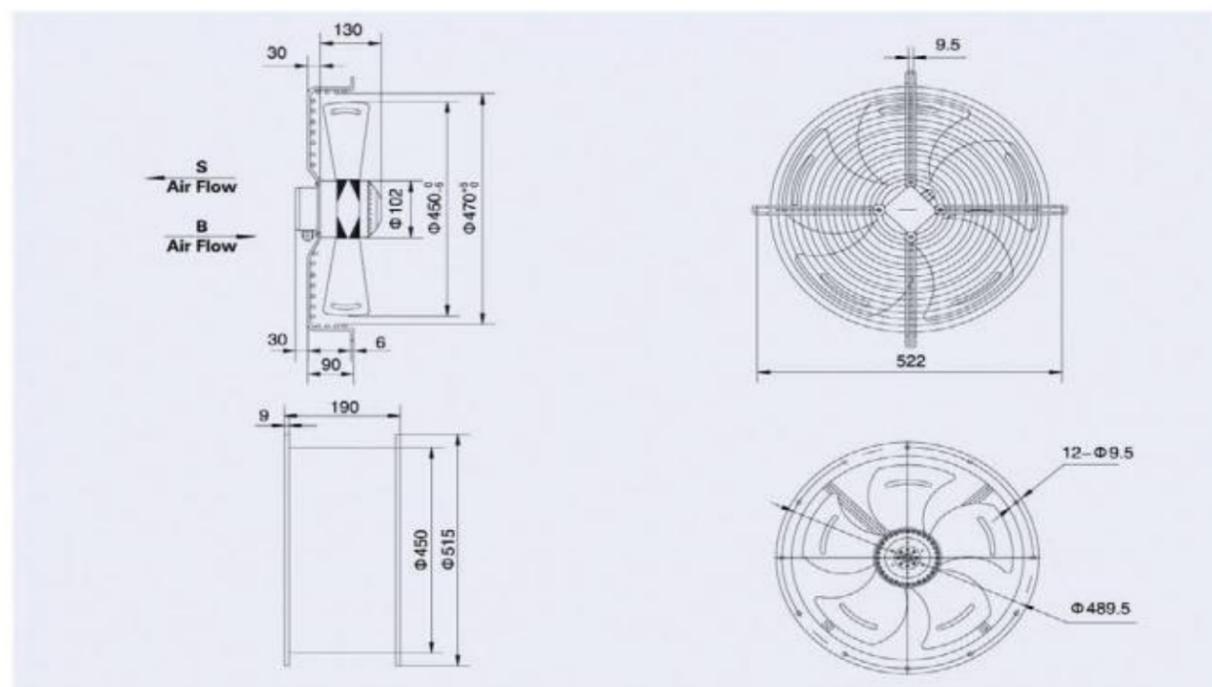
工作方式: S1
 绝缘等级: B级 F级
 环境温度: -30℃ - 60℃

应用范围:

4D-450 380V/50Hz 0-90Pa (20Pa-4450m³/h)
 4E-450 220V/50Hz 0-90Pa (20Pa-4210m³/h)
 4E-450 120V/60Hz 0-90Pa (20Pa-4850m³/h)
 6D-450 380V/50Hz 0-90Pa (20Pa-3000m³/h)
 6E-450 220V/50Hz 0-90Pa (20Pa-2750m³/h)
 6E-450 120V/60Hz 0-90Pa (20Pa-3400m³/h)



YWF-4D-450-S-102/60-G	YWF-4D-450-S-102/60-T	YWF-4D-450-S-102/60-B	YWF-4D-450-S-102/60-R	VOLTAGE 额定电压 V	FREQUENCY 频率 Hz	CURRENT 额定电流 A	INPUT 输入功率 W	SPEED 额定转速 r/min	AIR VOLUME 额定风量 m³/h	CAPACITANCE 电容 μF	NOISE 噪音 dBA	NET WEIGHT 净重 kg	LICENSE 证书	NO. ON THE CURVE
				380	50	0.60	250	1360	4800	/	68	8.0	CCC CE	1
				220	50	1.20	250	1350	4620	8	68	8.0	CCC CE	2
				120	60	2.55	300	1600	5200	32	68	8.0	CCC CE	3
				380	50	0.42	150	900	3520	/	60	8.0	CCC CE	4
				220	50	0.75	150	920	3220	6	60	8.0	CCC CE	5
				120	60	1.52	180	1050	3800	20	60	8.0	CCC CE	6



Ø 500 外转子轴流风机 Axial Fans

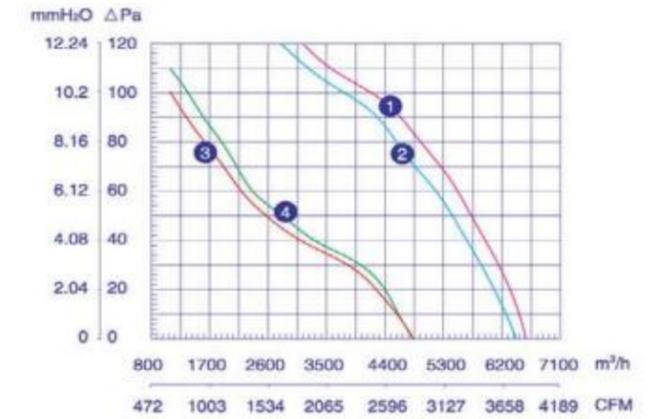


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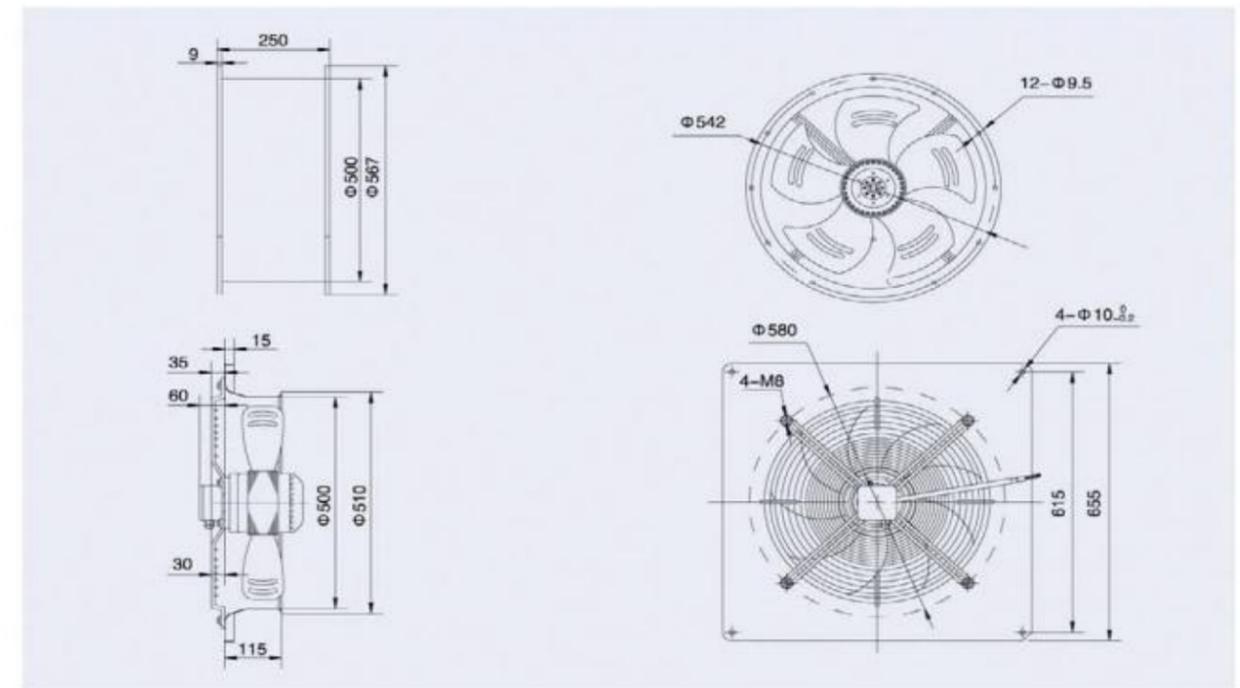
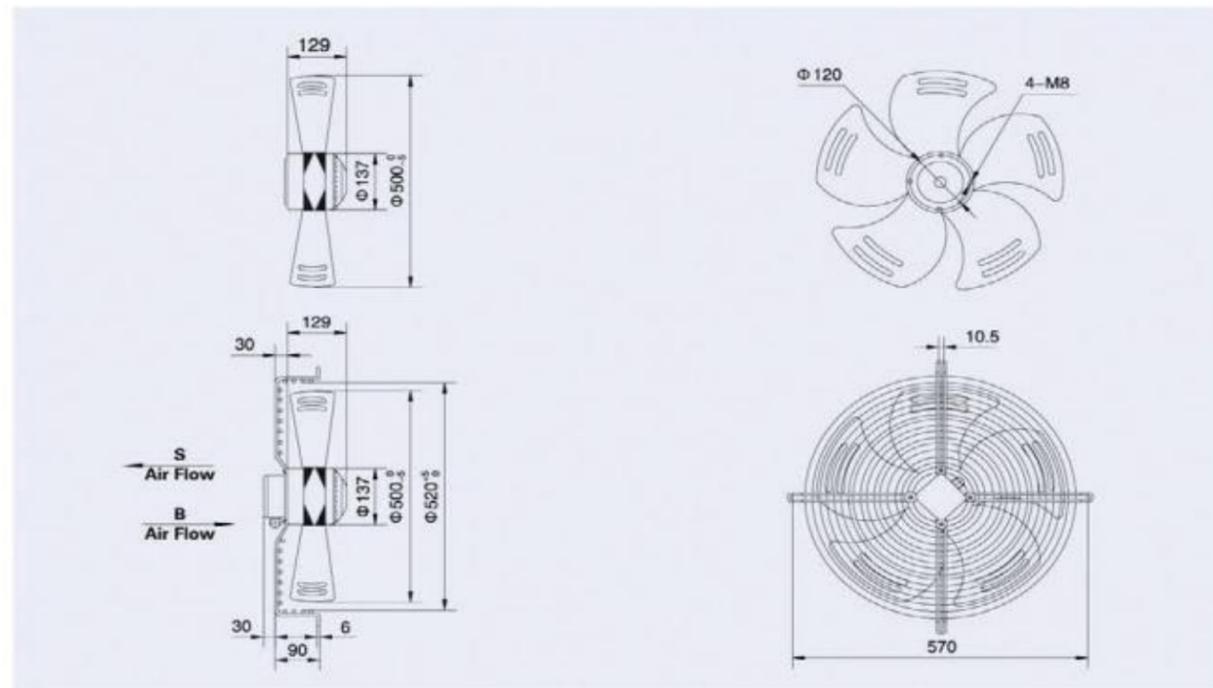
工作方式: S1
绝缘等级: B级 F级
环境温度: -30℃ ~ 60℃

应用范围:

4D-500 380V/50Hz 0-90Pa (20Pa-6300m³/h)
4E-500 220V/50Hz 0-90Pa (20Pa-6000m³/h)
6D-500 380V/50Hz 0-90Pa (20Pa-4350m³/h)
6E-500 220V/50Hz 0-90Pa (20Pa-4400m³/h)



Icon	Icon	Icon	VOLTAGE 额定电压 V	FREQUENCY 频率 Hz	CURRENT 额定电流 A	INPUT 输入功率 W	SPEED 额定转速 r/min	AIR VOLUME 额定风量 m³/h	CAPACITANCE 电容 μF	NOISE 噪音 dBA	NET WEIGHT 净重 kg	LICENSE 证书	NO. ON THE CURVE
			380	50	0.9	450	1300	6570	/	72	9.0	CE	1
			220	50	1.95	420	1300	6420	10	72	9.0	CE	2
			380	50	0.55	230	900	4840	/	68	9.0	CE	3
			220	50	1.15	230	900	4830	10	68	9.0	CE	4



Ø 550 外转子轴流风机 Axial Fans

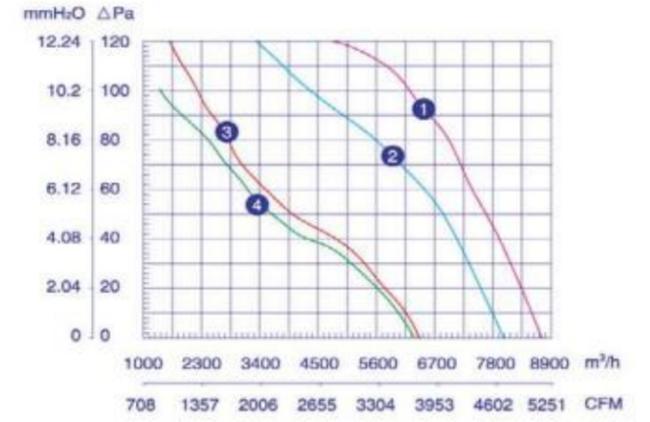


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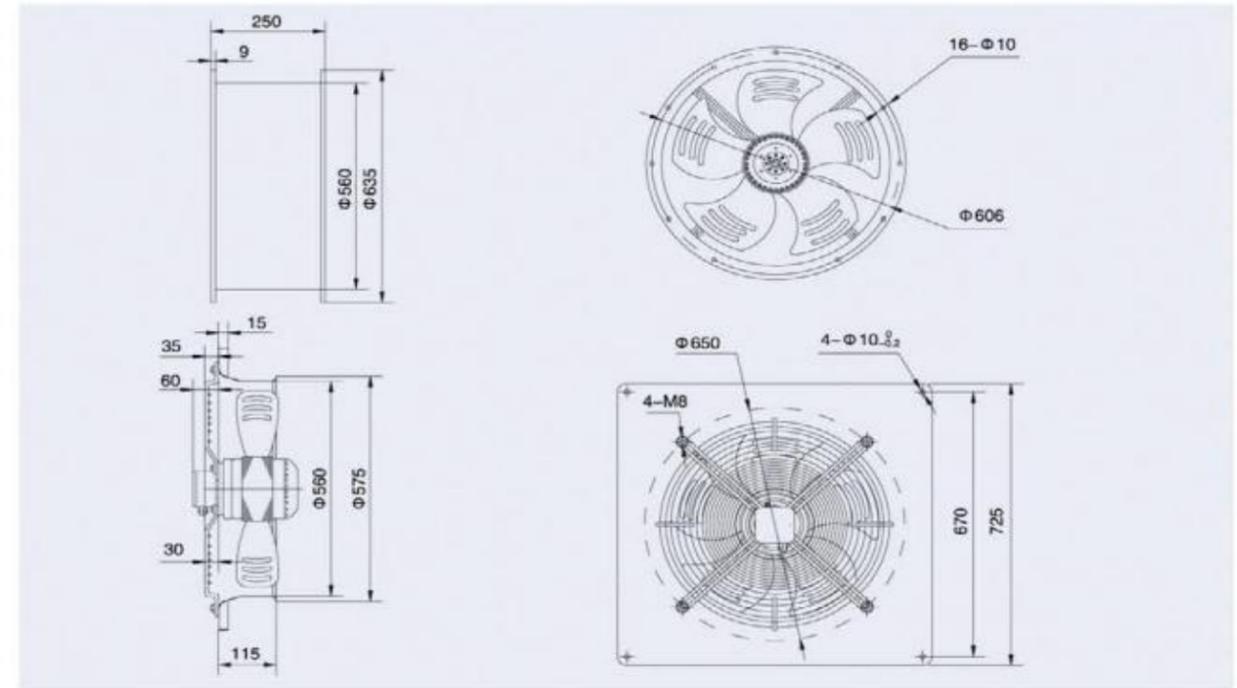
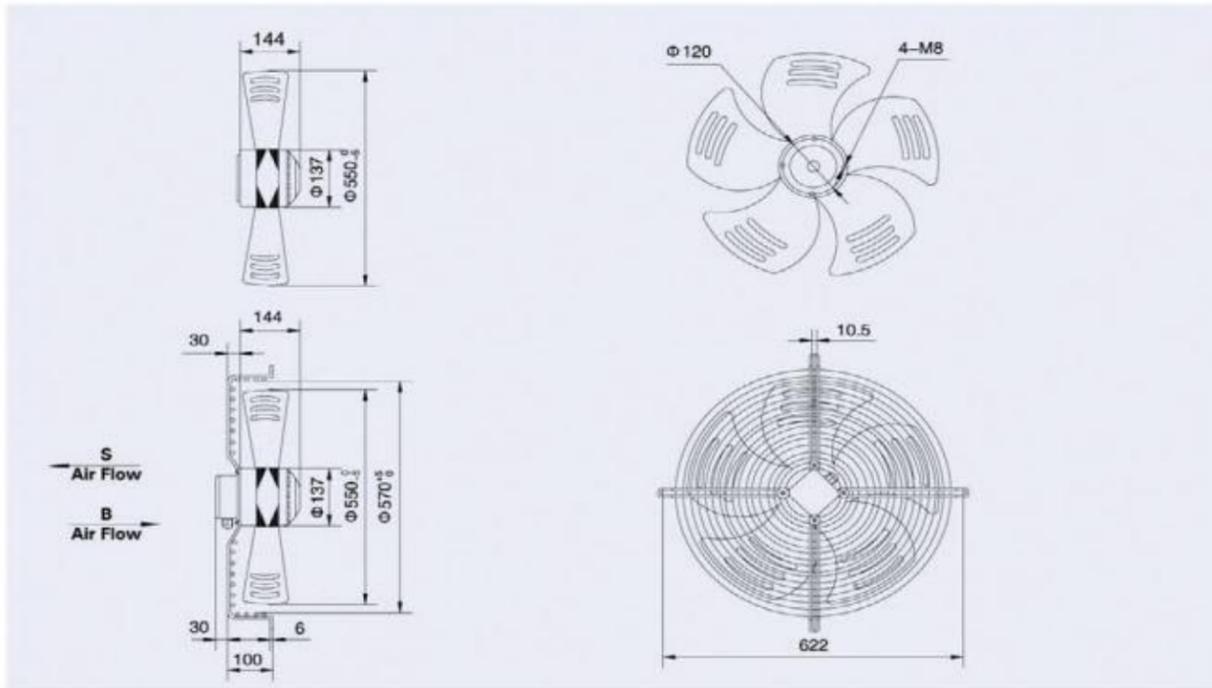
工作方式: S1
 绝缘等级: B级 F级
 环境温度: -30℃ ~ 60℃

应用范围:

4D-550 380V/50Hz 0-90Pa (20Pa-8330m³/h)
 4E-550 220V/50Hz 0-90Pa (20Pa-7560m³/h)
 6D-550 380V/50Hz 0-90Pa (20Pa-5750m³/h)
 6E-550 220V/50Hz 0-90Pa (20Pa-5600m³/h)



			VOLTAGE 额定电压 V	FREQUENCY 频率 Hz	CURRENT 额定电流 A	INPUT 输入功率 W	SPEED 额定转速 r/min	AIR VOLUME 额定风量 m³/h	CAPACITANCE 电容 μF	NOISE 噪音 dBA	NET WEIGHT 净重 kg	LICENSE 证书	NO. ON THE CURVE
YWF-4D-550-S-137/50-G	YWF-4D-550-S-137/50-T	YWF-4D-550-S-137/50-B	380	50	1.2	600	1300	8720	/	75	11	CE	1
YWF-4E-550-S-137/50-G	YWF-4E-550-S-137/50-T	YWF-4E-550-S-137/50-B	220	50	2.55	550	1300	8010	12	75	11	CE	2
YWF-6D-550-S-137/50-G	YWF-6D-550-S-137/50-T	YWF-6D-550-S-137/50-B	380	50	0.9	330	900	6430	/	70	11	CE	3
YWF-6E-550-S-137/50-G	YWF-6E-550-S-137/50-T	YWF-6E-550-S-137/50-B	220	50	1.6	330	900	6320	10	70	11	CE	4



Ø 630 外转子轴流风机 Axial Fans

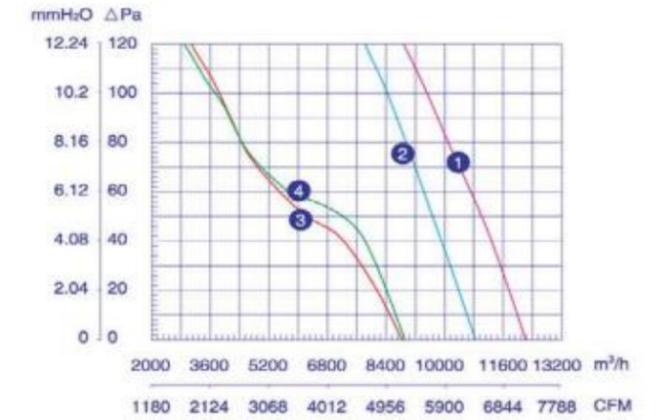


使用说明:

工作方式: S1
 绝缘等级: B级 F级
 环境温度: -30℃ ~ 60℃

应用范围:

4D-630 380V/50Hz 0~120Pa (20Pa~11750m³/h)
 4E-630 220V/50Hz 0~120Pa (20Pa~10390m³/h)
 6D-630 380V/50Hz 0~120Pa (20Pa~8250m³/h)
 6E-630 220V/50Hz 0~120Pa (20Pa~8550m³/h)



			VOLTAGE 额定电压 V	FREQUENCY 频率 Hz	CURRENT 额定电流 A	INPUT 输入功率 W	SPEED 额定转速 r/min	AIR VOLUME 额定风量 m³/h	CAPACITANCE 电容 μF	NOISE 噪音 dBA	NET WEIGHT 净重 kg	LICENSE 证书	NO. ON THE CURVE
YWF-4D-630-S-137/70-G	YWF-4D-630-S-137/70-T	YWF-4D-630-S-137/70-B	380	50	1.6	800	1320	12200	/	78	15	CE	1
YWF-4E-630-S-137/70-G	YWF-4E-630-S-137/70-T	YWF-4E-630-S-137/70-B	220	50	3.5	750	1360	10860	16	78	15	CE	2
YWF-6D-630-S-137/70-G	YWF-6D-630-S-137/70-T	YWF-6D-630-S-137/70-B	380	50	1.45	550	900	8830	/	75	15	CE	3
YWF-6E-630-S-137/70-G	YWF-6E-630-S-137/70-T	YWF-6E-630-S-137/70-B	220	50	2.55	520	900	9168	12	75	15	CE	4

