

MOTOR CATALOG

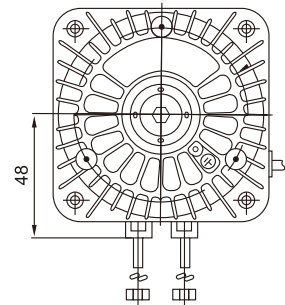
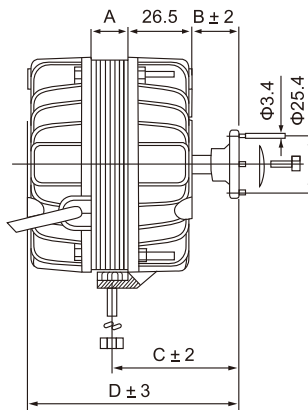
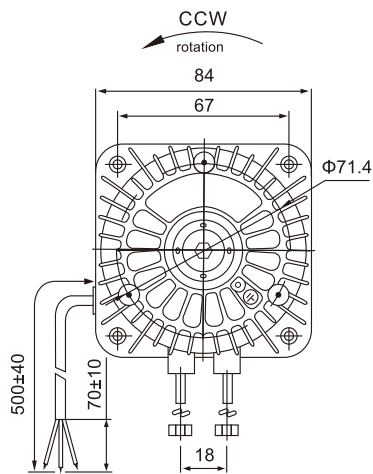


NINGBO HAOLIANG REFRIGERATION EQUIPMENT CO., LTD.
HAOLIANG EXPORT & IMPORT COMPANY LIMITED




YZF 18 Shaded Pole Motors

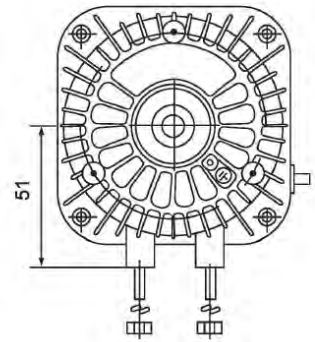
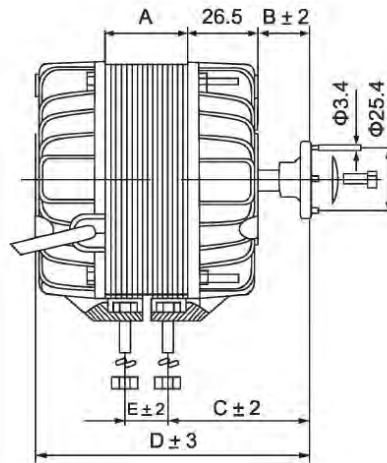
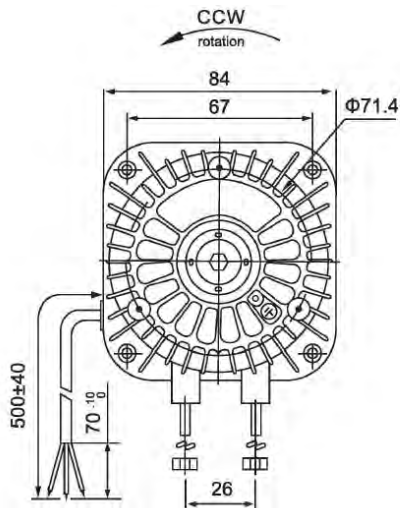
Instructions for use:		Fan blade application range
Way of working:	S1	φ172 240-300m ³ /h
Protection class:	IP42	φ200 360--460m ³ /h
Insulation class:	CLASS B	φ230 480--680 m ³ /h
Ambient temperature:	-30°C - +50°C	φ250 700-1050 m ³ /h
		φ300 1100-1500m ³ /h



Models	Voltage	Frequency	Rated input	Output	Rated current	Rated speed	Air flow	Fan blade	Net weight	A	B	C	D	E	Certificate
	V	Hz	W	W	A	r/min	m³/h	mm	kg	mm	mm	mm	mm	mm	
YZFS-13-18	220-240	50/60	20	2	0.14	1300	260	φ172	0.8	13	12	43	78	/	CE CCC RoHS
YZFS-13-18	220-240	50/60	25	5	0.20	1300	360	φ170	0.8	13	12	43	78	/	CE CCC RoHS
YZFS-13-18	220-240	50/60	30	5	0.20	1550	430	φ200	0.8	13	12	43	78	/	CE CCC RoHS
YZFS-13-18	220-240	50/60	33	5	0.20	1550	430								CE CCC RoHS
YZFS-13-18	220-240	50/60	35	5	0.20	1550	430								CE CCC RoHS
YZFG-13-18	110-120	60	33	6	0.55	1550	430								CE CCC RoHS
YZF7 -20-18	220-240	50/60	31	7	0.23	1300	480	φ230	1.1	19	13	44	85	/	CE CCC RoHS
VZF10-20-18	220-240	50/60	36	10	0.25	1300	500	φ200	1.1	19.0	13.0	44.0	85.0	/	CE CCC RoHS
	220-240	50/60	40	10	0.25	1300	500	φ230							CE CCC RoHS
	110-120	60	55	10	0.80	1550	620								CE CCC RoHS
VZF12-20-18	220-240	50/60	54	12	0.36	1300	720	φ230	1.1	19		44	85	/	CE CCC RoHS
VZF 16-2 5-18	220-240	50/60	60	16	0.45	1300	1000	φ250	1.4	25	14	45	92	/	CE CCC RoHS
VZF18-25-18	110-120	60	70	18	1.01	1550	1050								CE CCC RoHS
YZF25-40-18	220-240	50/60	90	25	0.70	1300	1250	φ300	1.8	40	18	49	112	31	CE CCC RoHS
	110-120	60	100	25	1.40	1450									CE
VZF:34-45-18	220-240	50/60	110	34	0.85	1300	1400	φ300	2	45	22	53	121	36	CE CCC RoHS
	110-120	60	110	34	1.50	1450									CE


YZF 26 Shaded Pole Motors

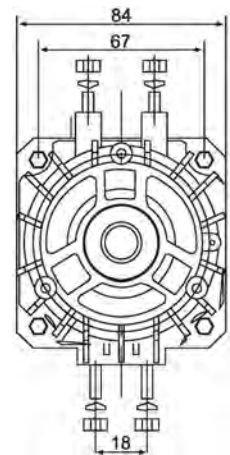
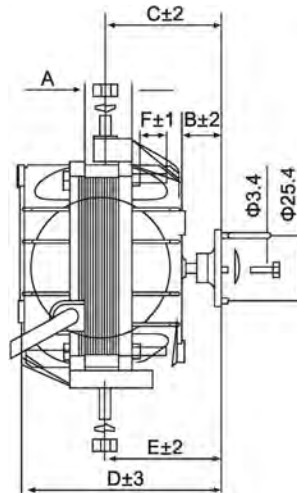
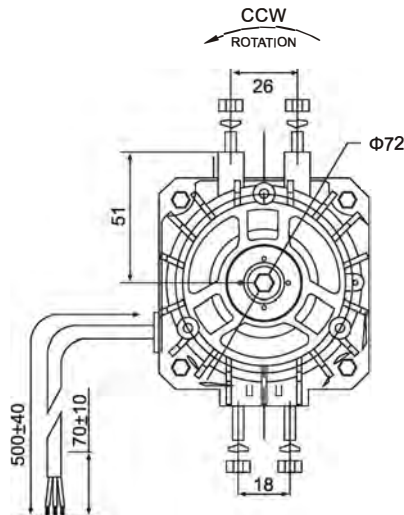
Instructions for use:		Fan blade application range
Way of working:	S1	φ172 240-300m ³ /h
Protection class:	IP42	φ200 360--460m ³ /h
Insulation class:	CLASS B	φ230 480--680 m ³ /h
Ambient temperature:	-30℃ - +50℃	φ250 700-1050 m ³ /h
		φ300 1100-1500m ³ /h



Models	Voltage	Frequency	Rated input	Output	Rated current	Rated speed	Air flow	Fan blade	Net weight	A	B	C	D	E	Certificate
	V	Hz	W	W	A	r/min	m ³ /h	mm	kg	mm	mm	mm	mm	mm	
YIFS-13-26	220-240	50/60	20	2	0.14	1300	260	φ172	0.8	13	12	43	78	/	CE CCC RoHS
VZFS-13-26	220-240	50/60	29	5	0.20	1300	360	φ200	0.8	13	12	43	78	/	CE CCC RoHS
YIF6-13-26	110-120	60	33	6	0.55	1550	430								CE
YZF7-20-26	220-240	50/60	31	7	0.23	1300	480	φ230	1.1	19	13	44	85	/	CE CCC RoHS
YZF10-20-26	220-240	50/60	36	10	0.25	1300	500	φ230	1.1	19	13	44	85	/	CE CCC RoHS
	110-120	60	55	10	0.80	1550	620								CE
YZF12-20-26	220-240	50/60	54	12	0.36	1300	720	φ230	1.1	19	13	44	85	/	CE CCC RoHS
YZF16-25-26	220-240	50/60	60	16	0.45	1300	1000	φ250	1.4	25	14	45	92	/	CE CCC RoHS
YZF18-25-26	110-120	60	70	18	1.01	1550	1050								CE
VZF18-30-26	220-240	50/60	70	18	0.50	1300	1050	φ250	2	30	17	48	101	21	CE CCC RoHS
	110-120	60	75	18	1.10	1450									CE
YZF25-40-26	220-240	50/60	90	25	0.70	1300	1250	φ300	2	40	18	49	112	31	CE CCC RoHS
	110-120	60	100	25	1.40	1450									CE
VZF34-45-26	220-240	50/60	110	34	0.85	1300	1400	φ300	2	45	22	53	121	36	CE CCC RoHS
	110-120	60	110	34	1.50	1450									CE



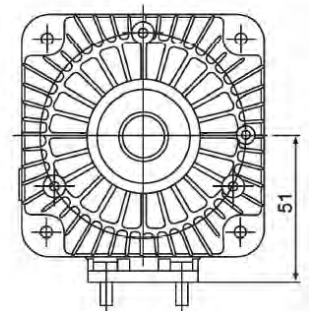
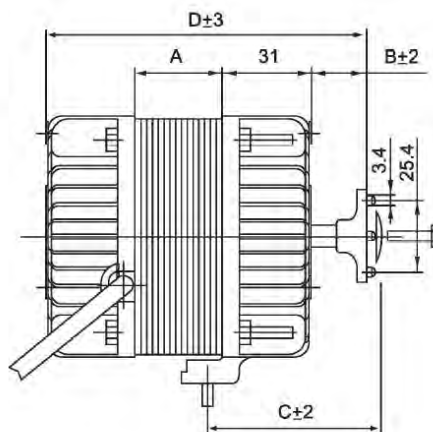
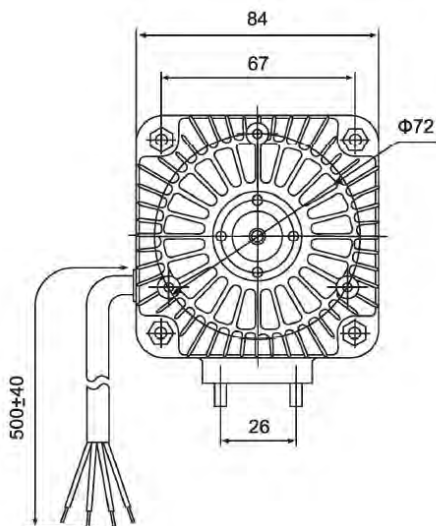
YZF 4Q (with thicker shell) Shaded Pole Motors		
Instructions for use:		Fan blade application range
Way of working:	S1	φ172 240-300m ³ /h
Protection class:	IP42	φ200 360--460m ³ /h
Insulation class:	CLASS B	φ230 480--680 m ³ /h
Ambient temperature:	-30℃ - +50℃	φ250 700-1050 m ³ /h
		φ300 1100-1500m ³ /h



Models	Voltage	Frequency	Rated Input	Output	Rated current	Rated speed	Air flow	Fan blade	Net weight	A	B	C	D	E	Certificate
	V	Hz	W	W	A	r/min	m ³ /h	mm	kg	mm	mm	mm	mm	mm	
VZFS-13-18/26	220-240	50/60	20	2	0.14	1300	260	φ172	0.8	13	12	43	78	/	CE CCC RoHS
VZFS-13-18/26	220-240	50/60	29	5	0.20	1300	360	φ200	0.8	13	12	43	78	/	CE CCC RoHS
YZF6-13-18/26	110-120	60	33	6	0.55	1550	430	φ230	1.1	19	13	44	85	/	CE CCC RoHS
YZF10-20-18/26	220-240	50/60	31	7	0.23	1300	480	φ230	1.1	19	13	44	85	/	CE CCC RoHS
VZF10-20-18/26	220-240	50/60	36	10	0.25	1300	500	φ230	1.1	19	13	44	85	/	CE CCC RoHS
YIF 12-20-18/26	220-240	50/60	54	12	0.36	1300	720	φ230	1.1	19	13	44	85	/	CE CCC RoHS
YIF 16-25-18/26	220-240	50/60	60	16	0.45	1300	1000	φ254	1.4	25	14	45	92	/	CE CCC RoHS
YZF18-25-18/26	110-120	60	70	18	1.01	1550	1050	φ254	1.5	30	17	48	101	21	CE CCC RoHS
VZF18-30-18/26	220-240	50/60	70	18	0.50	1300	1050	φ254	1.5	30	17	48	101	21	CE CCC RoHS
YZF25-40-18/26	110-120	60	75	18	1.10	1450	1250	φ300	1.8	40	18	49	112	31	CE CCC RoHS
VZF34-45-18/26	220-240	50/60	90	25	0.70	1300	1400	φ300	2	45	22	53	121	36	CE CCC RoHS
	110-120	60	100	25	1.40	1450									
	220-240	50/60	110	34	0.85	1300									
	110-120	60	110	34	1.50	1300									


YCF Capacitor Motors

Instructions for use:		Fan blade application range
Way of working:	S1	φ172 240-300m ³ /h
Protection class:	IP42	φ200 360--460m ³ /h
Insulation class:	CLASS B	φ230 480--680 m ³ /h
Ambient temperature:	-30℃ - +50℃	φ250 700-1050 m ³ /h
		φ300 1100-1500m ³ /h

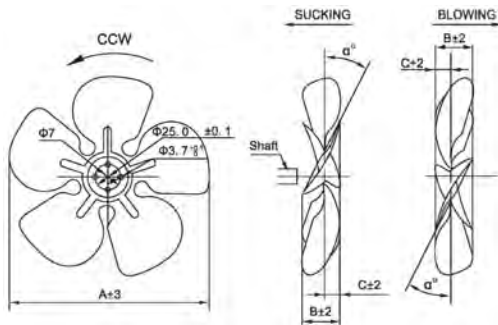


Models	Voltage	Frequency	Rated input	Output	Rated current	Rated speed	Air flow	Capacitor	Fan blade	Net weight	A	B	C	D
	V	Hz	W	W	A	r/min	m ³ /h	μF	mm	kg	mm	mm	mm	mm
YCF20-20-2	230	50	55	20	0.28	2500	650	2	φ200	1.2	20	17	42.5	99
YCF30-30-2	230	50	110	30	0.50	2500	880	3	φ230	1.6	30	17	52.5	109
YCFB0-50-2	230	50	180	80	0.78	2500	1600	5	φ254	2.5	50	28	63.5	140
YCF20-20-4	230	50	50	20	0.25	1300	1000	1.5	φ254	1.2	20	17	42.5	99
YCF30-30-4	230	50	75	30	0.35	1300	1400	2	φ300	1.6	30	17	52.5	109
YCF60-50-4	230	50	120	60	0.55	1300	2200	3	φ350	2.5	50	28	63.5	140

BLADE FOR SHADED POLE MOTORS

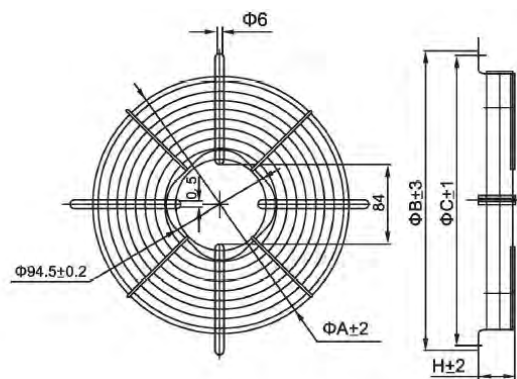
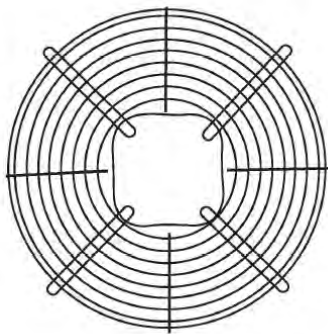


Models	YZF2-13		VZF5-13		YIFI-20		VZF10-20		VZF12-20		VZF16-25		VZF18-30		YZF25-40		VZF34-45	
Fan	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
φ154	28	28																
φ172	28	28	31	31														
φ200			28	28	31	31	31	31										
φ230					28	28	28	28	34	31								
φ250							22	22	28	28	28	28						
φ254											28	25	31	28				
φ300													22	22	25	22	28	25



FAN	α BC 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	38	18	41	21
φ200	198	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
φ250	248	31	15	34	16	37	19	40	20	43	21	45	22
φ254	254	32	15	35	16	38	18	41	21	44	22	47	23
φ300	298	31	16	35	17	41	22	44	22	48	25	52	27

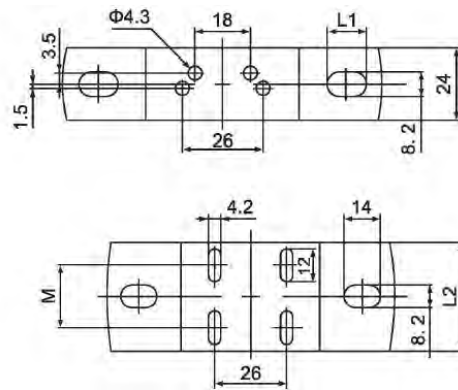
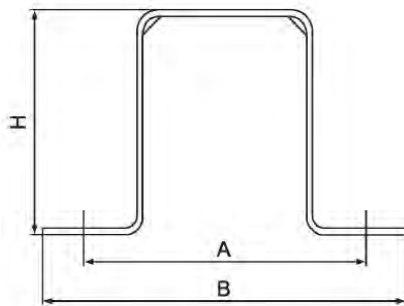
GRID FOR SHADED POLE MOTORS



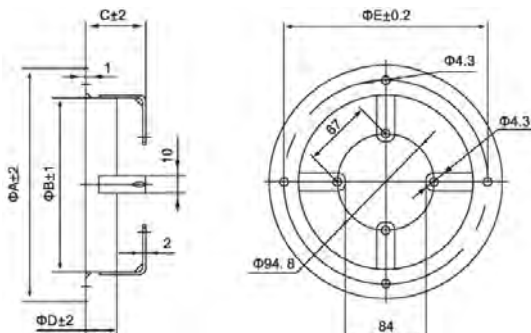
MODEL	φ154	φ170	φ200	φ230	φ250	φ300
A	170	195	225	252	2n	320
B	202	233	280	286	342	386
C	188	220	268	274	330	374
H	30	35	45	45	45	40

BRACKETS

MEDEL	A	B	L1	L2	M
H63	81	106	15	/	/
H55	81	106	15	/	/
H72	81	106	15	/	/
H84	81	106	15	/	/
H109-1	81	106	14	/	/
H109-2	78	100	14	39	21
H109-3	78	100	14	49	29



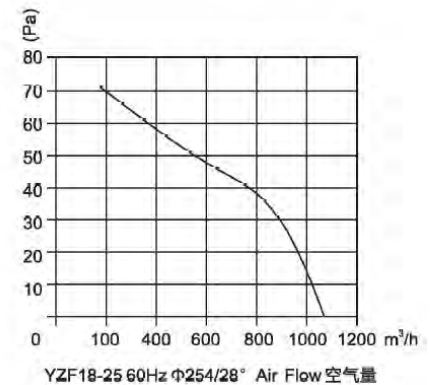
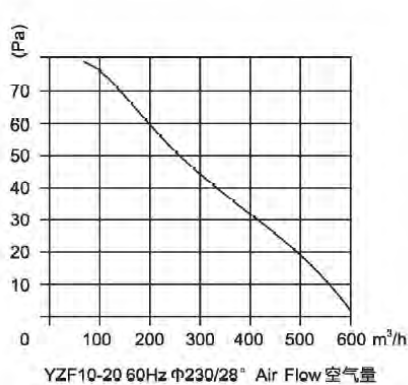
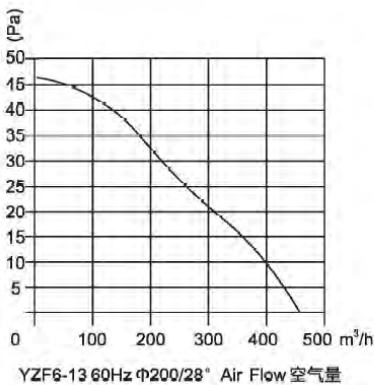
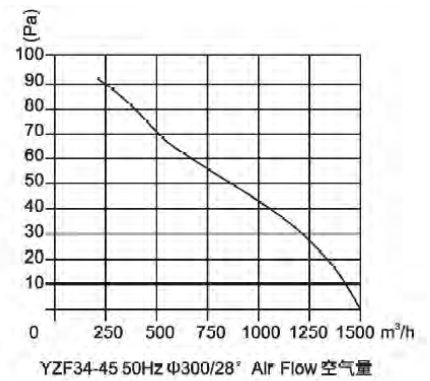
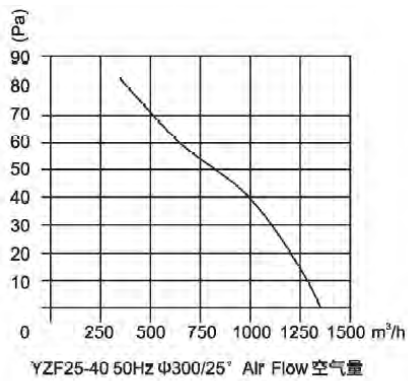
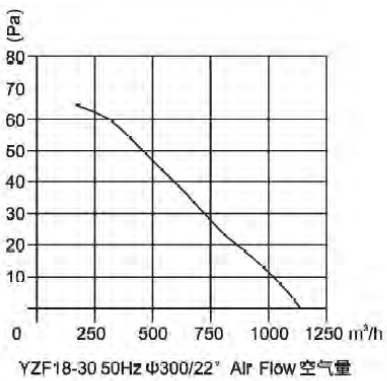
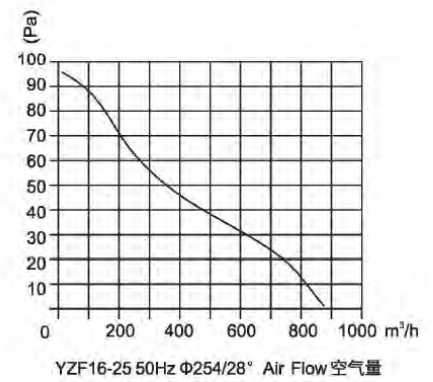
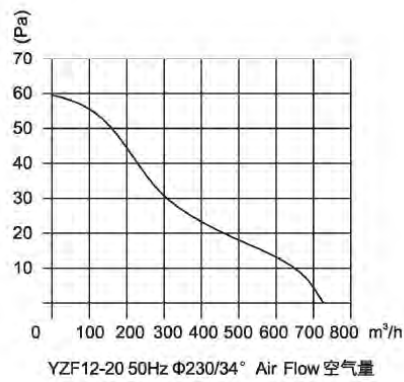
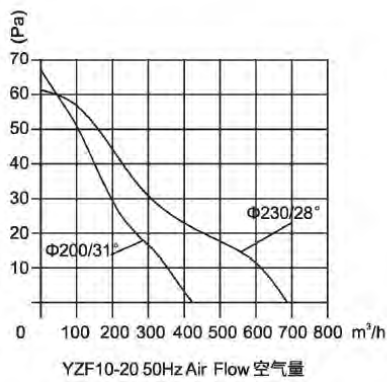
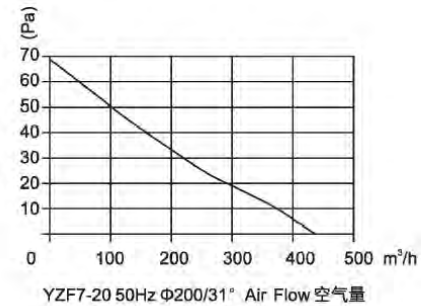
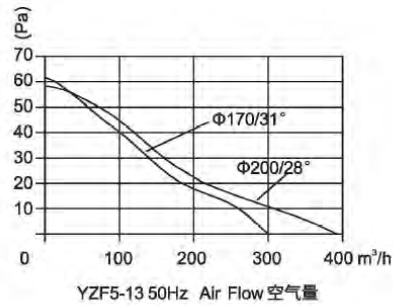
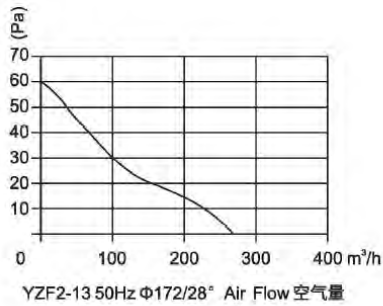
FRANGE



SUCKING

MODEL	φA	φB	C	D	φE
φ154	200	162	49	25	190
φ172	223	180	49	25	208
φ200	246	208	49	25	236
φ230	278	238	49	25	266
φ254	300	268	49	25	290
φ300	378	308	49	30	365

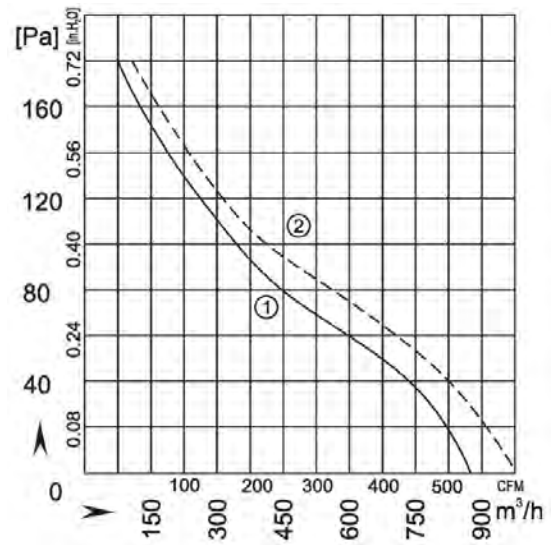
AIR FLOW GRAPHS



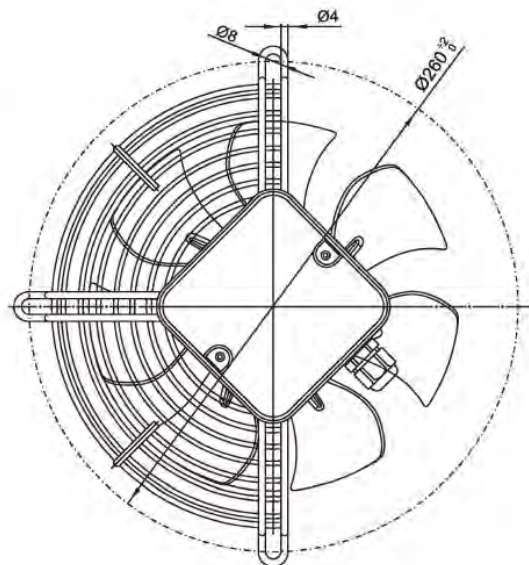
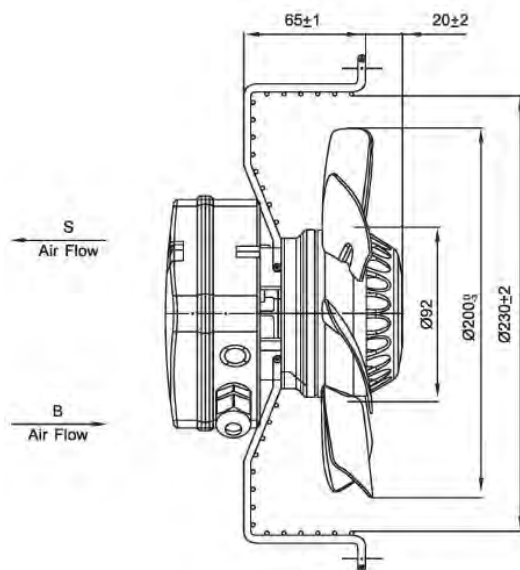
YWF φ200 External Rotor Motor Axial Fan

Instructions for use:

Blade material:	cold-rolled steel sheet
Protection class:	IP44
Insulation class:	class F
Ambient temperature:	-30°C - +60°C
Certificate:	CCC CE



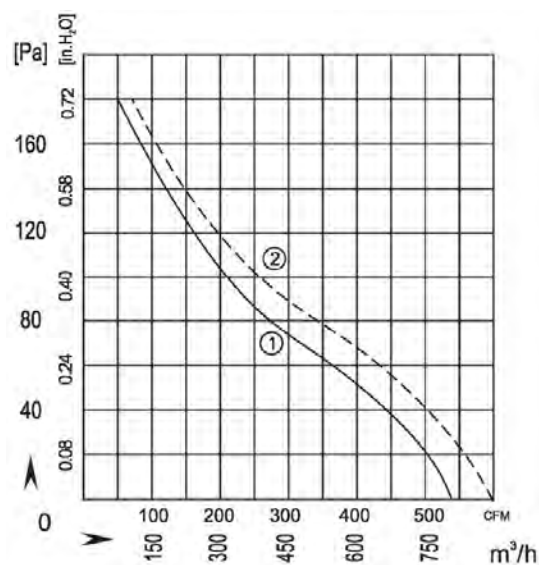
MODELS	Voltage	Frequency	Rated current	Rated input	Rated speed	Air flow	Capacitor	Noise	Curve No	Certificate
	V	Hz	A	W	r/min	m³/h	μF	dBA		
YWF2E-200S	220/230	50	0.30	65	2300	800/518	2	53	①	CCC CE
		60	0.34	80	2600	980/576	2	55	②	CCC CE
YWF2D-200S	380/400	50	0.21	65	2300	880/518	/	53	①	CCC CE
		60	0.24	80	2600	980/576	/	55	②	CCC CE
YWF4E-200S	220	50	0.21	40	1400	510/300	1.5	43	/	CCC CE



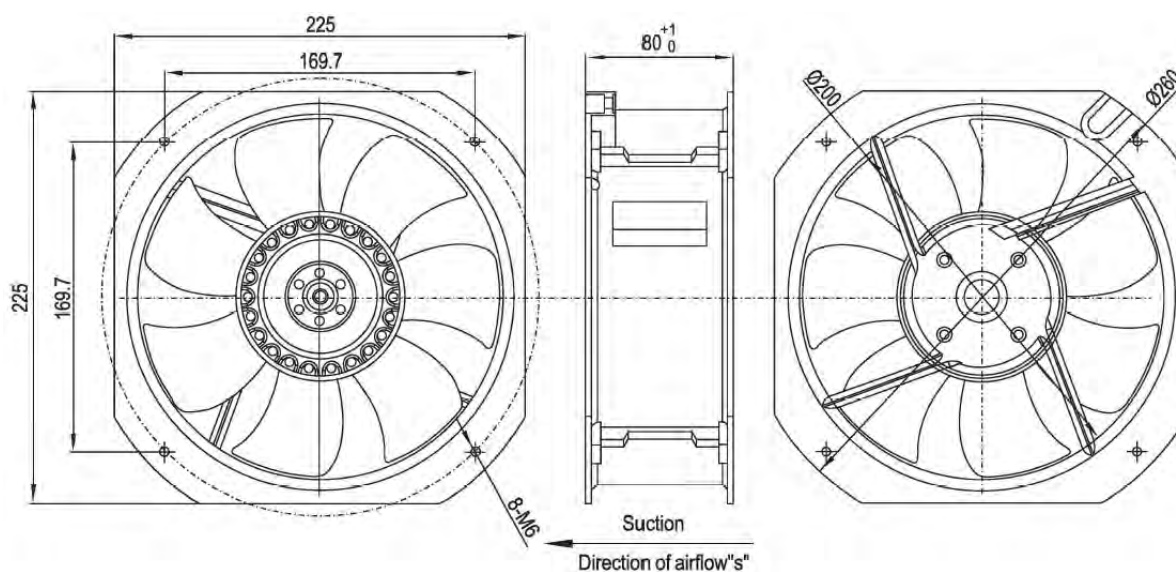
YWF φ200 - 7K External Rotor Motor Axial Fan
Instructions for use:
Blade material: cold-rolled steel sheet

Protection class: IP44

Insulation class: class F

Certificate: CCC CE


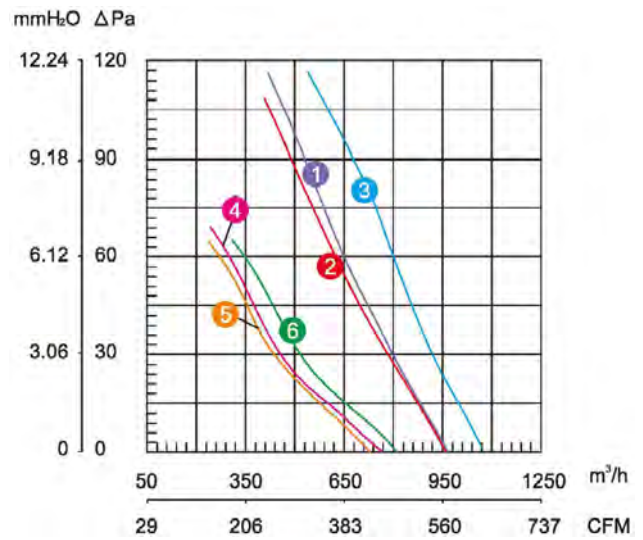
MODELS	Voltage	Frequency	Rated current	Rated input	Rated speed	Capacitor	Air flow	Noise	Running temp	Curve No	Certificate
	V	Hz	A	W	r/min	μF	m³/h	dBA	Min/Max(°C)		
YWF2E-200S-7K	220/230	50	0.30	60	2500	2	880/518	58	-30/+60	①	CC C,CE,Ro HS
		60	0.34	75	2800		980/576	60		②	CCC,CE ,RoHS
YWF2D-200S-7K	380/400	50	0.16	65	2300	/	880/518	58	-30/+60	①	CCC ,CE,RoH S
		60	0.13	70	2400		980/576	60		②	CCC,CE ,RoHS



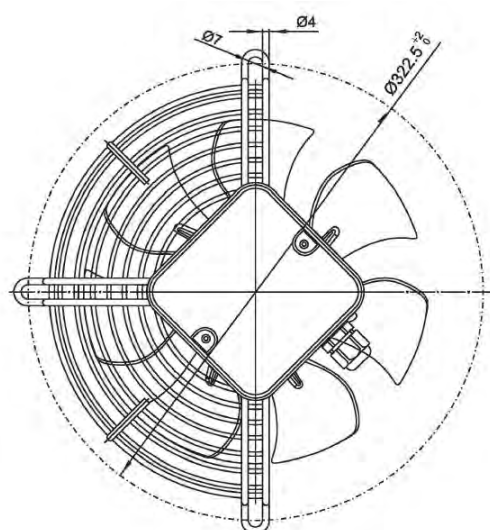
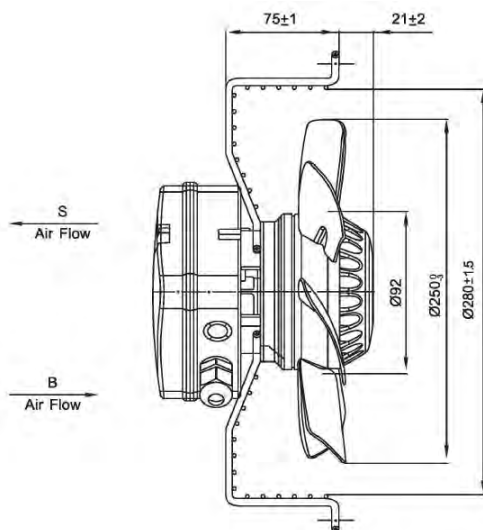
YWF φ250 External Rotor Motor Axial Fan

Instructions for use:

Blade material:	cold-rolled steel sheet
Protection class:	IP44
Insulation class:	class F
Ambient temperature:	-30℃ - +60℃
Certificate:	CCC CE



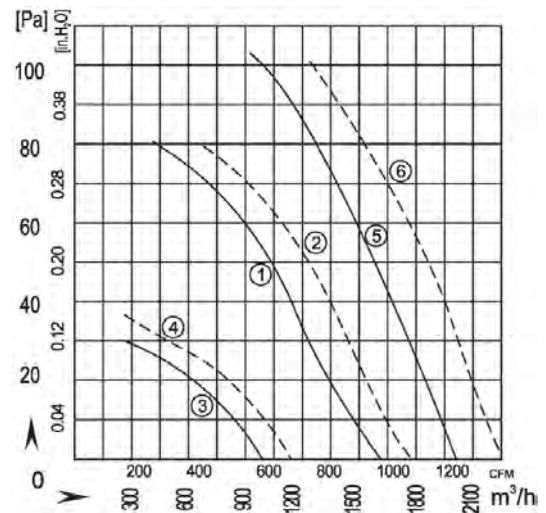
MODELS	Voltage	Frequency	Rated current	Rated input	Rated speed	Air flow	Capacitor	Noise	Curve No	Certificate
	V	Hz	A	W	r/min	m ³ /h	μF	dBA		
YWF2D-250S	380	50	0.22	80	2500	970/579	/	60	①	CCC CE
YWF2E-250S	220	50	0.40	80	2400	960/569	3	60	②	CCC CE
	120	60	0.95	120	2850	1070/648	10	60	③	CCC CE
YWF 4D-250S	380	50	0.17	60	1400	770/418	/	55	④	CCC CE
YWF4E-250S	220	50	0.23	50	1380	730/388	2	55	⑤	CCC CE
	120	60	0.55	65	1600	800/459	8	55	⑥	CCC CE



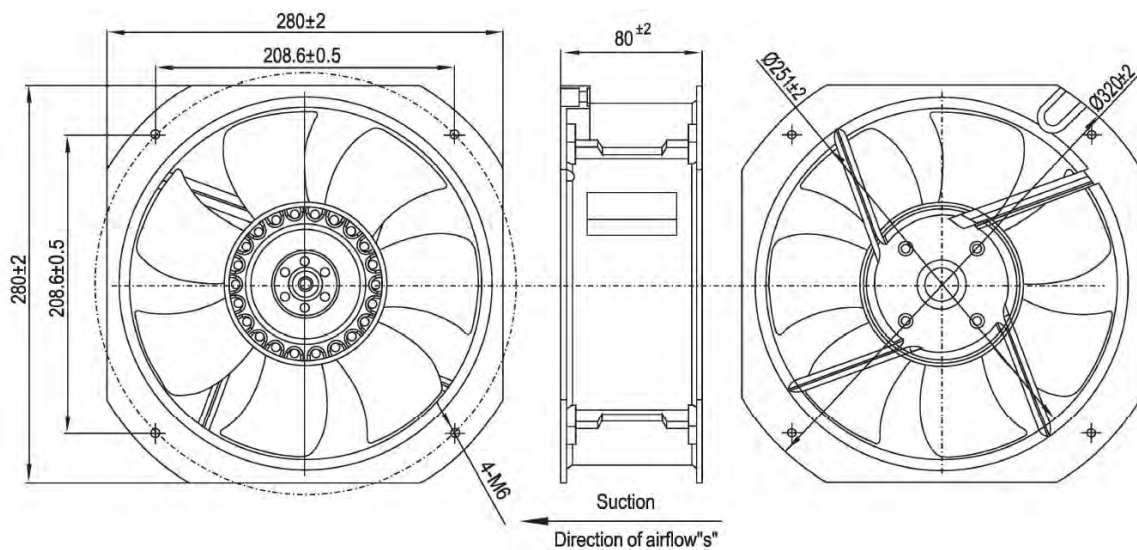
YWF $\phi 250$ - 7K External Rotor Motor Axial Fan

Instructions for use:

Blade material:	cold-rolled steel sheet
Protection class:	IP44
Insulation class:	class F
Certificate:	CCC CE



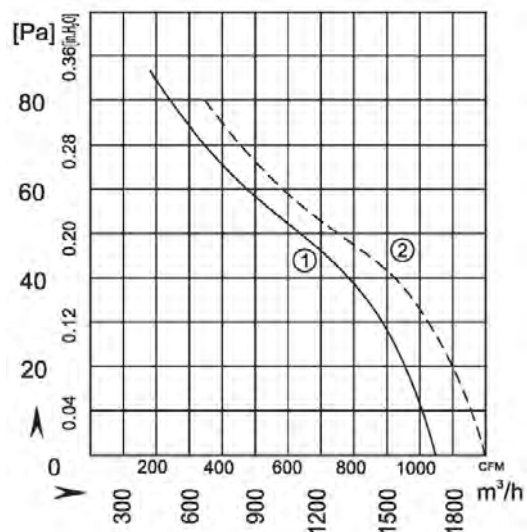
MODELS	Voltage	Frequency	Rated current	Rated input	Rated speed	Capacitor	Air flow	Noise	Running temp	Curve No	Certificate
	V	Hz	A	W	r/min	μF	m^3/h	dBA	Min/Max($^{\circ}\text{C}$)		
YWF2E-250S-5K	220/230	50	0.42	90	2600	3	1600/941	66	-30/+60	①	CCC, C, ERoHS
		60	0.55	115	2900		1800/1058	67		②	
YWF 2D-250S-5K	380/400	50	0.20	100	2500	/	1600/941	66		①	CCC, CE, RoHS
		60	0.22	130	2600		1800/1058	67		②	
YWF4E-250S-7K	220/230	50	0.25	50	1400	2	950/559	53		①	CCC, CE, RoHS
		60	0.30	55	1620		1100/647	54		②	
YWF2E-250S-7K	220/230	50	0.60	130	2700	4	2000/1235	67		①	CCC, CE, RoHS
		60	0.70	170	2900		2250/1323	69		②	



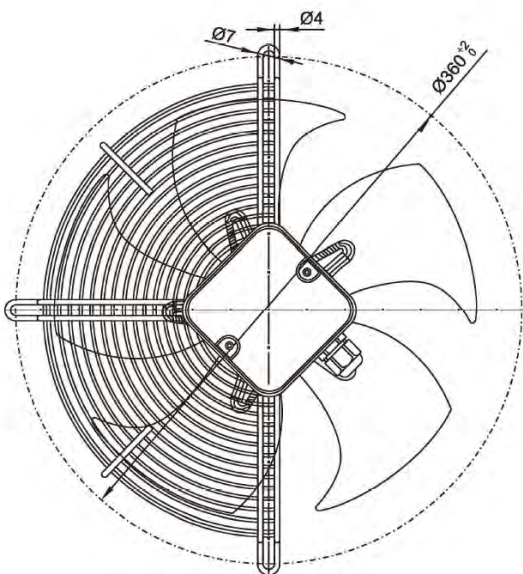
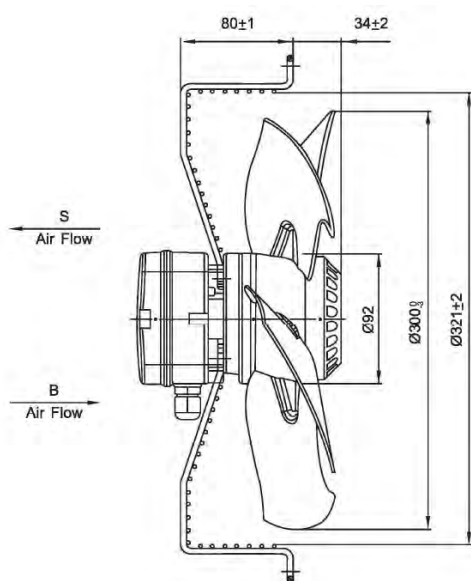
YWF $\phi 300$ External Rotor Motor Axial Fan

Instructions for use:

Blade material:	cold-rolled steel sheet
Protection class:	IP44
Insulation class:	class F
Ambient temperature:	-30°C - +60°C
Certificate:	CCC CE



MODELS	Voltage	Frequency	Rated current	Rated input	Rated speed	Air flow	Capacitor	Noise	Curve No	Certificate
	V	Hz	A	W	r/min	m³/h	μ F	dBA		
YWF 4E-300S	220/230	50	0.42	90	1350	1750/1029	3	52	①	CCC CE
		60	0.51	115	1600	2000/1176	3	55	②	CCC CE
YWF4D-300S	380/400	50	0.25	90	1380	1750/1029	I	52	①	CCC CE
		60	0.26	120	1640	2000/1176	I	55	②	CCC CE



YWF ϕ 315 External Rotor Motor Axial Fan

Instructions for use:

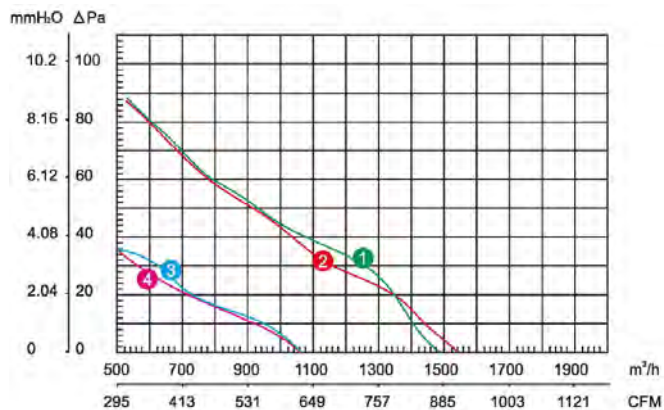
Blade material: cold-rolled steel sheet

Protection class: IP44

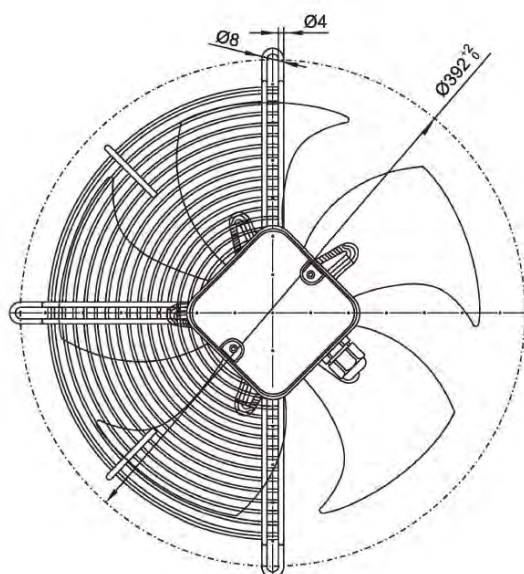
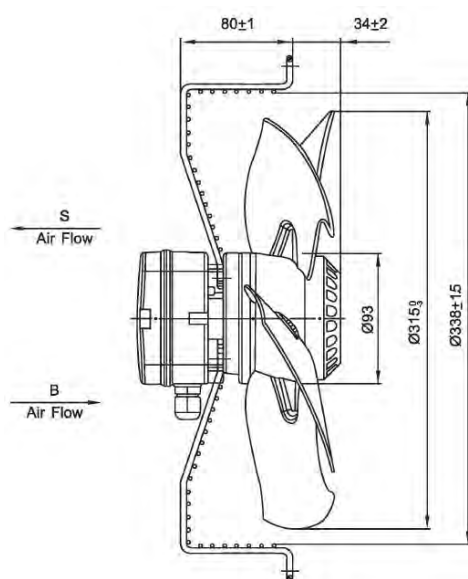
Insulation class: class F

Ambient temperature: $-30^{\circ}\text{C} - +60^{\circ}\text{C}$

Certificate: CCC CE



MODELS	Voltage	Frequency	Rated current	Rated input	Rated speed	Air flow	Capacitor	Noise	Net weight	Curve No	Certificate
	V	Hz	A	W	r/min	m ³ /h	μF	dBA	kg		
YWF 4D-315	380	50	0.23	80	1300	1479	1	60	3.5	①	CCC CE
YWF4E-315	220	50	0.45	85	1350	1537	4	60	3.5	②	CCC CE
YWF 6D-315	380	50	0.16	55	920	1049	/	58	3.5	③	CCC CE
YWF6E-315	220	50	0.28	60	920	1040	2	58	3.5	④	CCC CE



YWF $\phi 350$ External Rotor Motor Axial Fan

Instructions for use:

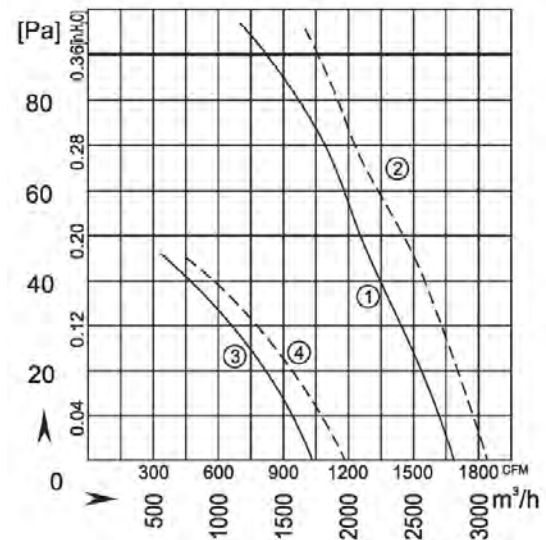
Blade material: cold-rolled steel sheet

Protection class: IP54

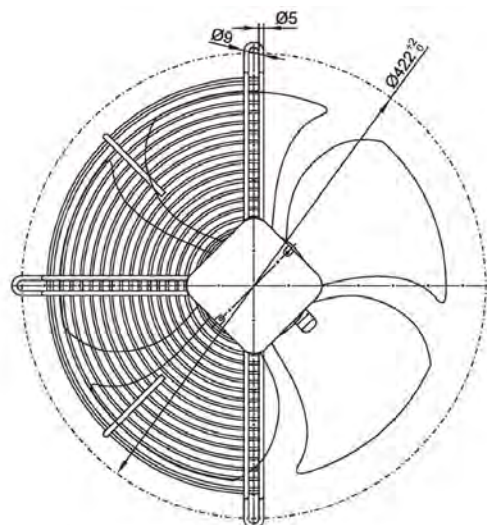
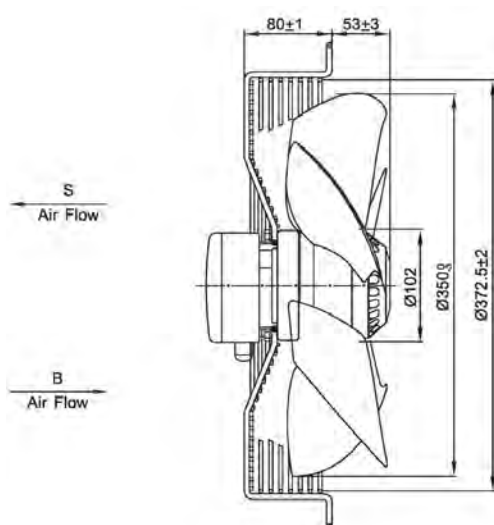
Insulation class: class F

Ambient temperature: -30°C - $+60^{\circ}\text{C}$

Certificate: CCC CE



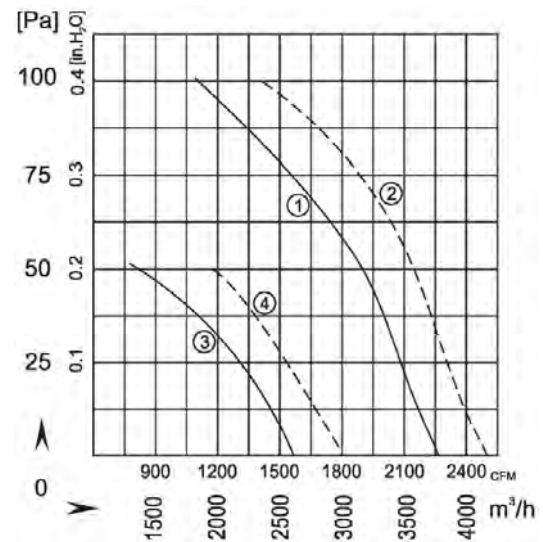
MODELS	Voltage	Frequency	Rated current	Rated input	Rated speed	Air flow	Capacitor	Noise	Curve No	Certificate
	V	Hz	A	W	r/min	m^3/h / CFM	μF	dBA		
YWF 4E-350S	220/230	50	0.60	135	1380	2700/1588	4	58	①	CCC CE
		60	0.83	190	1550	3000/1765	4	60	②	CCC CE
YWF 4D-350S	380/400	50	0.30	135	1360	2700/1588	/	58	①	CCC CE
		60	0.34	170	1500	3000/1765	/	60	②	CCC CE
YWF6E-350S	220/230	50	0.40	75	950	1560/920	3	53	③	CCC CE
		60	0.37	83	1100	1800/1060	3	54	④	CCC CE
YWF6D-350S	380/400	50	0.29	70	920	1560/920	/	53	③	CCC CE
		60	0.20	80	1050	1800/1060	/	54	④	CCC CE



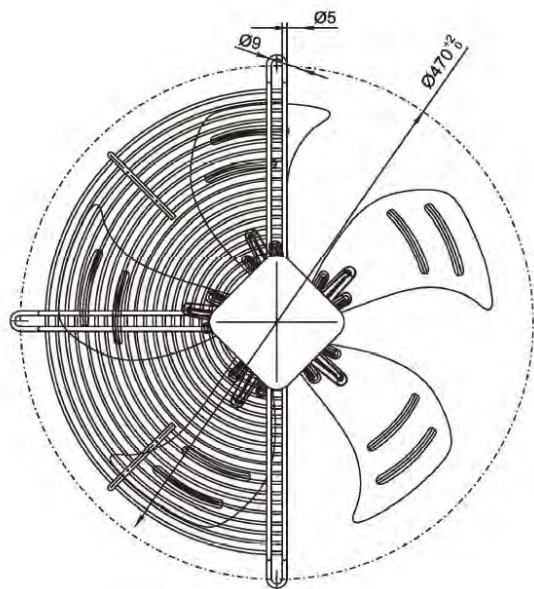
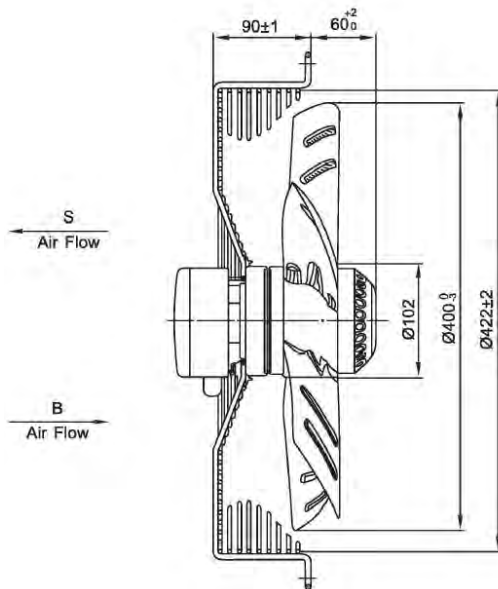
YWF $\phi 400$ External Rotor Motor Axial Fan

Instructions for use:

Blade material: cold-rolled steel sheet
 Protection class: IP54
 Insulation class: class F
 Ambient temperature: $-30^{\circ}\text{C} - +60^{\circ}\text{C}$
 Certificate: CCC CE



MODELS	Voltage	Frequency	Rated current	Rated Input	Rated speed	Air flow	Capacitor	Noise	Curve No	Certificate
	V	Hz	A	W	r/min	m ³ /h / CFM	μF	dBA		
YWF4E-400S	220/230	50	0.90	180	1350	3700/12176	4	60	①	CCC CE
		60	1.22	260	1580	4100/2411	4	62	②	CCC CE
YWF4D-400S	380/400	50	0.50	180	1370	3700/2176	/	60	①	CCC CE
		60	0.47	240	1620	4100/2411	/	62	②	CCC CE
YWF6E-400S	220/230	50	0.50	100	950	2600/1530	4	49	③	CCC CE
		60	0.54	120	1100	3000/1785	4	52	④	CCC CE
YWF6D-400S	380/400	50	0.31	100	930	2600/1530	/	49	③	CCC CE
		60	0.31	120	1100	3000/1765	/	52	④	CCC CE



YWF $\phi 450$ External Rotor Motor Axial Fan

Instructions for use:

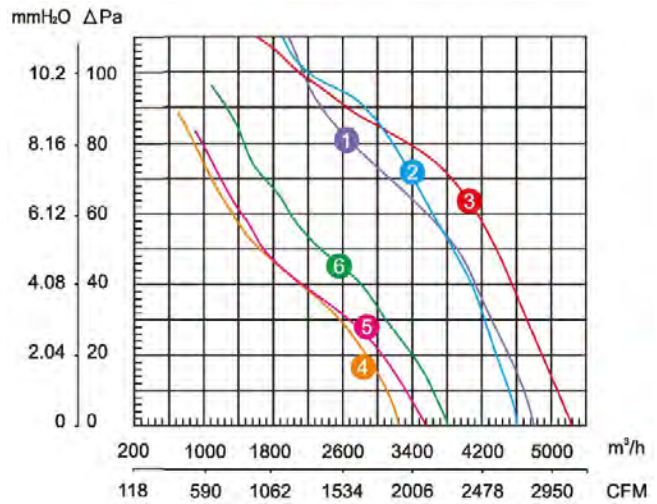
Blade material: cold-rolled steel sheet

Protection class: IP54

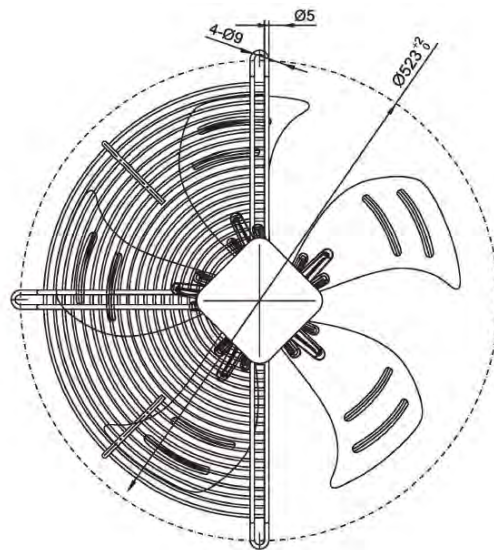
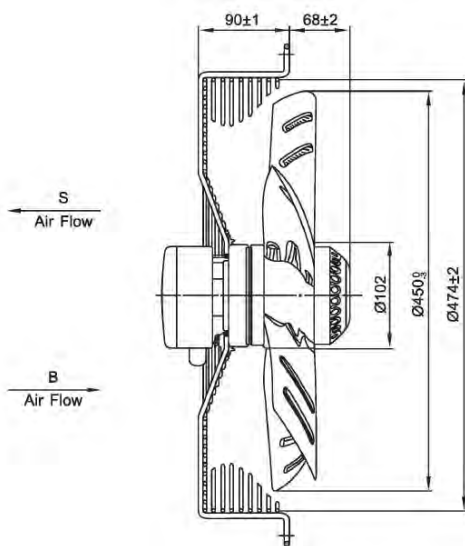
Insulation class: class F

Ambient temperature: $-30^{\circ}\text{C} - +60^{\circ}\text{C}$

Certificate: CCC CE



MODELS	Voltage	Frequency	Rated current	Rated input	Rated speed	Air flow	Capacitor	Noise	Curve No	Certificate
	V	Hz	A	W	r/min	m³/h / CFM	μF	dBA		
YWF 4D-450S	380	50	0.60	250	1360	4800/2548	/	68	①	CCC CE
YWF4E-450S	220	50	1.20	250	1350	4620/2388	8	68	②	CCC CE
	120	60	2.55	300	1600	5200/2859	32	68	③	CCC CE
YWF 6D-450S	380	50	0.42	150	900	3520/1928	/	60	④	CCC CE
YWF6E-450S	220	50	0.75	150	920	3220/1718	6	60	⑤	CCC CE
	120	60	1.52	180	1050	3800/2158	20	60	⑥	CCC CE



YWF $\phi 500$ External Rotor Motor Axial Fan

Instructions for use:

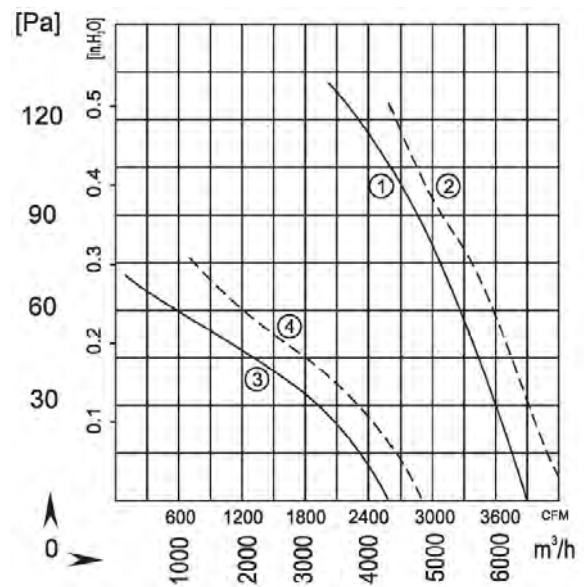
Blade material: cold-rolled steel sheet

Protection class: IP54

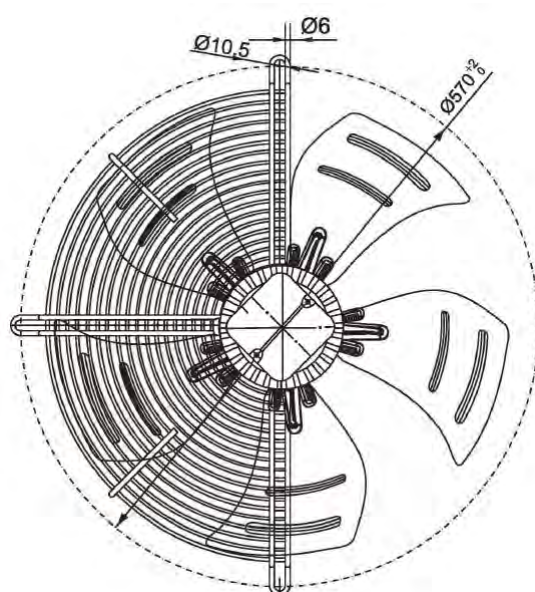
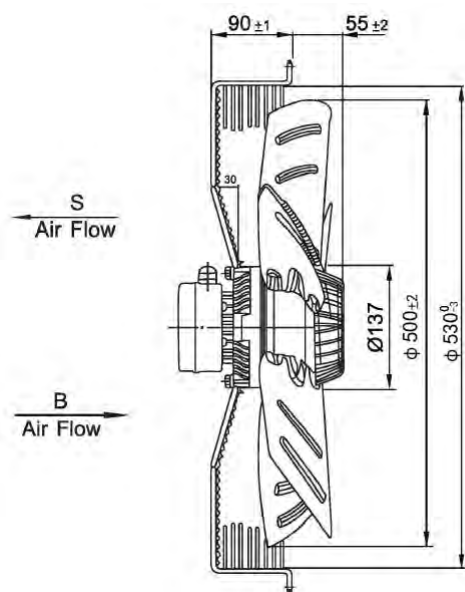
Insulation class: class F

Ambient temperature: $-30^{\circ}\text{C} - +60^{\circ}\text{C}$

Certificate: CCC CE



MODELS	Voltage	Frequency	Rated current	Rated input	Rated speed	Air flow	Capacitor	Noise	Curve No	Certificate
	V	Hz	A	W	r/min	$\text{m}^3/\text{h} / \text{CFM}$	μF	dBA		
YWF 4E-500S	220/230	50	1.90	420	1320	6500/3835	6	69	①	CCC CE
		60	2.30	500	1450	6800/4000	6	70	②	CCC CE
YWF 4D-500S	380/400	50	0.90	420	1350	6500/3835	/	69	①	CCC CE
		60	1.00	500	1500	6800/4000	/	70	②	CCC CE
YWF 6E-500S	220/230	50	1.10	220	900	4320/2541	4	65	③	CCC CE
		60	1.35	250	1020	4800/2823	4	66	④	CCC CE
YWF 6D-500S	380/400	50	0.60	220	900	4320/2541	/	65	③	CCC CE
		60	0.62	250	1100	4800/2832	/	66	④	CCC CE



YWF φ550 External Rotor Motor Axial Fan

Instructions for use:

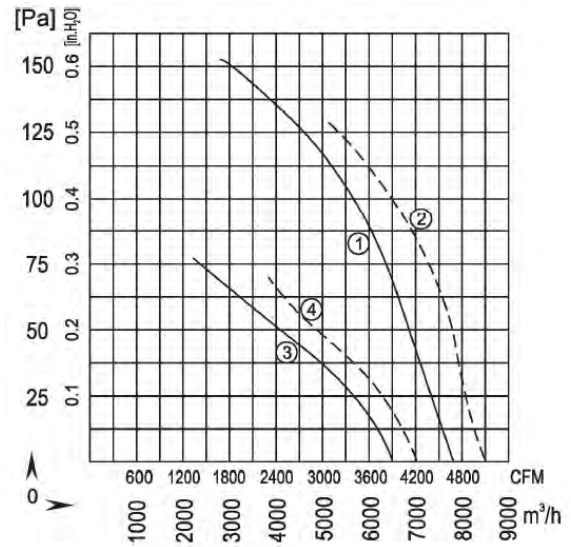
Blade material: cold-rolled steel sheet

Protection class: IP54

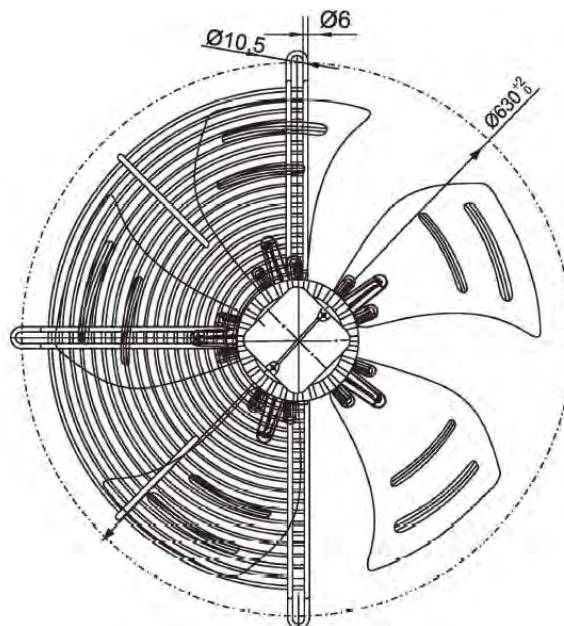
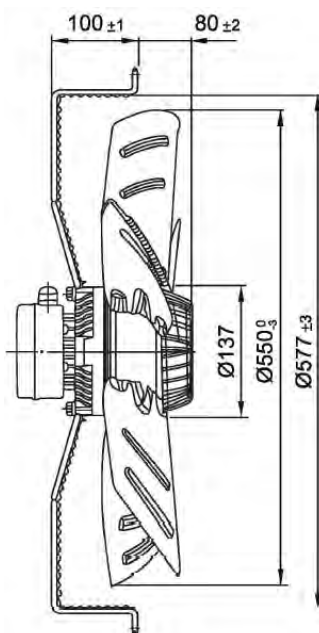
Insulation class: class F

Ambient temperature: -30°C - +60°C

Certificate: CCC CE



MODELS	Voltage	Frequency	Rated current	Rated input	Rated speed	Air flow	Capacitor	Noise	Curve No	Certificate
	V	Hz	A	W	r/min	m³/h / CFM	μF	dBA		
YWF 4E-550S	220/230	50	2.50	550	1320	7800/4588	12	73	①	CCC CE
		60	3.30	725	1450	8500/5000	12	74	②	CCC CE
YWF 4D-550S	380/400	50	1.10	550	1330	7800/4588	/	73	①	CCC CE
		60	1.40	725	1540	8500/5000	/	74	②	CCC CE
YWF6E-550S	220/230	50	1.20	280	200	6500/3823	6	62	③	CCC CE
		60	2.15	465	1060	7000/4117	6	66	④	CCC CE
YWF6D-550S	380/400	50	0.95	320	910	6500/3823	/	62	③	CCC CE
		60	1.00	440	1090	7000/4117	/	66	④	CCC CE



YWF $\phi 600$ External Rotor Motor Axial Fan

Instructions for use:

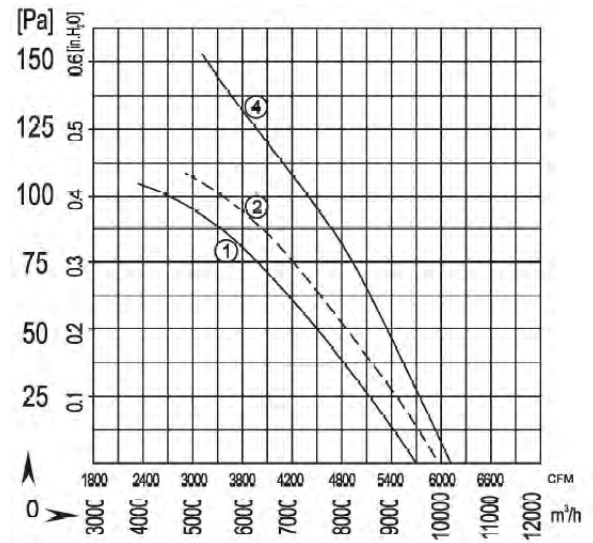
Blade material: cold-rolled steel sheet

Protection class: IP54

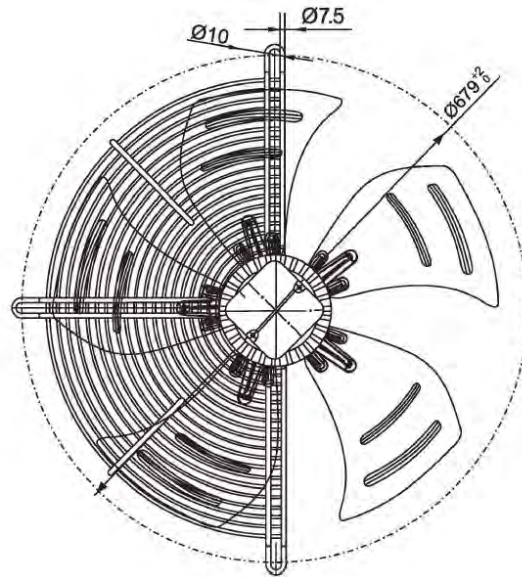
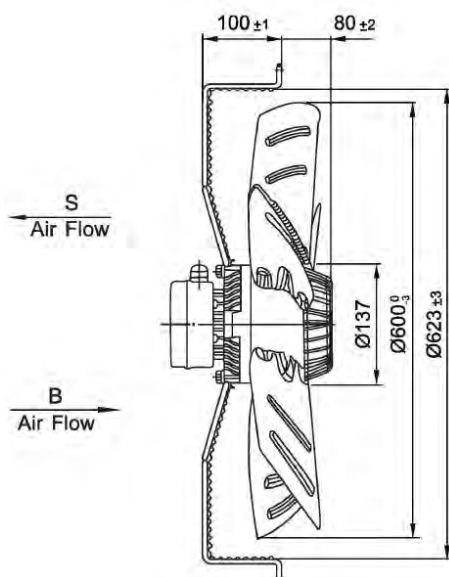
Insulation class: class F

Ambient temperature: $-30^{\circ}\text{C} - +60^{\circ}\text{C}$

Certificate: CCC CE



MODELS	Voltage	Frequency	Rated current	Rated input	Rated speed	Air flow	Capacitor	Noise	Curve No	Certificate
	V	Hz	A	W	r/min	m^3/h / CFM	μF	dBA		
YWF4E-600S	220/230	50	3.80	800	1380	9500/5605	16	73	①	CCC CE
		60	4.20	920	1640	11000/6490		75	②	CCC CE
YWF4D-600S	380/400	50	1.50	800	1350	10200/6000	/	73	④	CCC CE
YWF6E-600S	220/230	50	2.40	500	910	9500/5605	12	67	①	CCC CE
		60	2.90	640	1080	9900/5823	12	69	②	CCC CE
YWF6D-600S	380/400	50	1.50	500	920	9500/5605	/	67	①	CCC CE
		60	1.50	650	1070	9900/5823	/	69	②	CCC CE



YWF φ630 External Rotor Motor Axial Fan

Instructions for use:

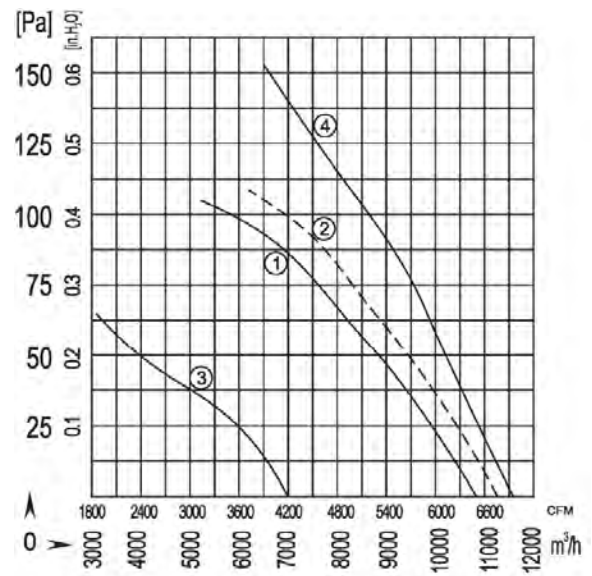
Blade material: cold-rolled steel sheet

Protection class: IP54

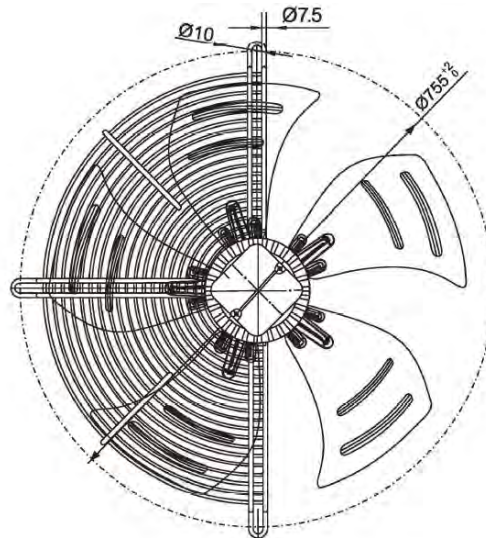
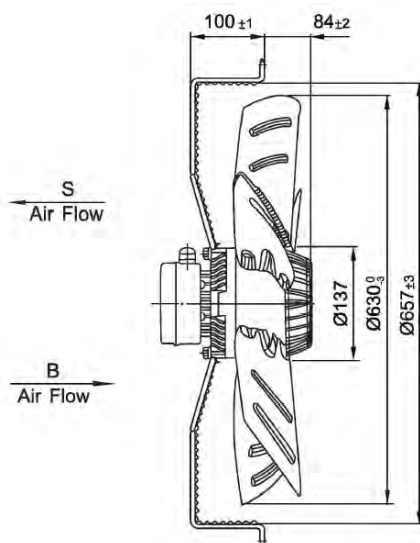
Insulation class: class F

Ambient temperature: -30°C - +60°C

Certificate: CCC CE



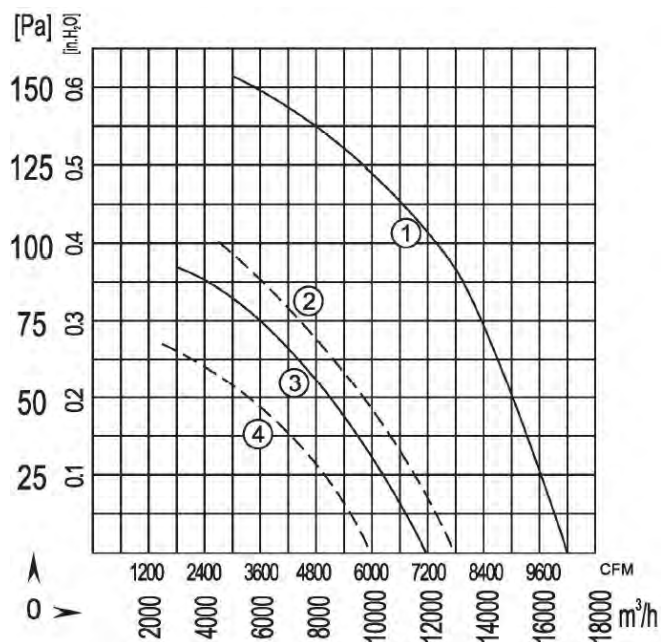
MODELS	Voltage	Frequency	Rated current	Rated input	Rated speed	Air flow	Capacitor	Noise	Curve No	Certificate
	V	Hz	A	W	r/min	m³/h / CFM	μF	dBA		
YWF4D-630S	380/400	50	1.60	850	1350	11600/6823	/	75	④	CCC CE
YWF6E-630S	220/230	50	2.50	520	900	10700/6294	12	67	①	CCC CE
		60	3.25	705	1050	11200/6588	12	69	②	CCC CE
YWF6D-630S	380/400	50	1.40	550	900	10700/6294	/	69	①	CCC CE
		60	1.56	740	1060	11200/6588	/	69	②	CCC CE
YWF8E-630S	220/230	50	1.3	250	680	7000/4117	6	60	③	CCC CE
YWF8O-630S	380/400	50	0.7	250	680	7000/4117	/	60	③	



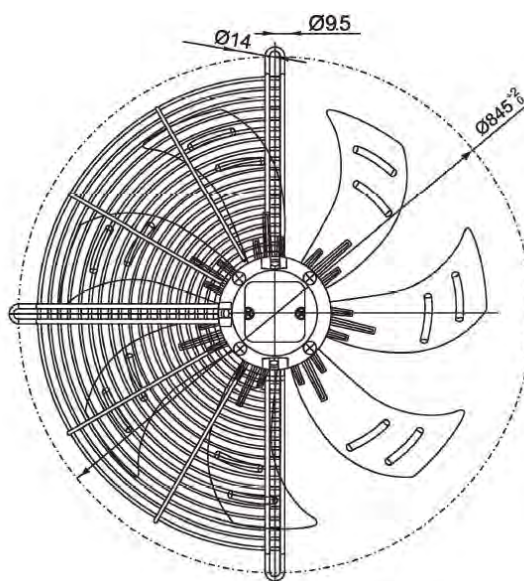
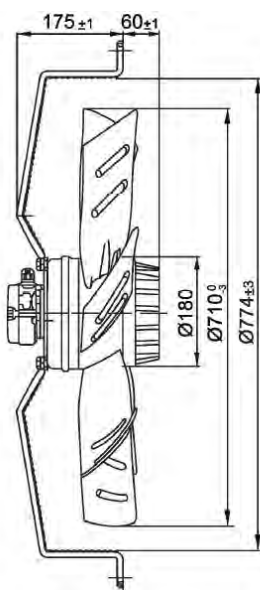
YWF φ710 External Rotor Motor Axial Fan

Instructions for use:

Blade material: cold-rolled steel sheet
 Protection class: IP54
 Insulation class: class F
 Ambient temperature: -30°C - +60°C
 Certificate: CCC CE



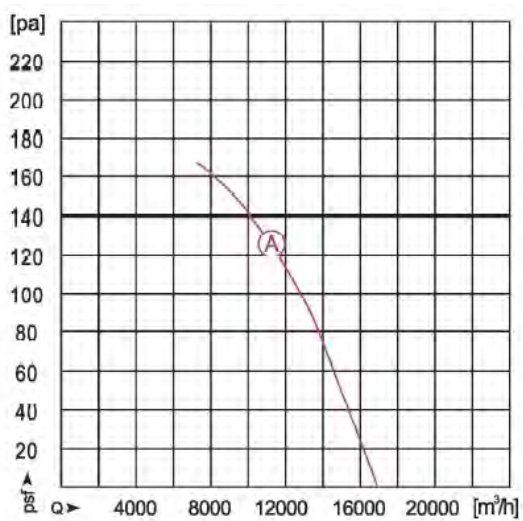
MODELS	Voltage	Frequency	Rated current	Rated input	Rated speed	Air flow	Capacitor	Noise	Curve No	Certificate
	V	Hz	A	W	r/min	m³/h / CFM	μF	dBA		
YWF6D-710S	380/400	50	2.00	1100	900	17000/10000	/	75	①	CCC CE
		50	1.40	750	600	12500/7353	/	68	②	CCC CE
YWF8D-710S	380/400	50	1.50	700	700	12000/7058	/	67	③	CCC CE
		50	0.90	450	600	10000/5882	/	65	④	CCC CE



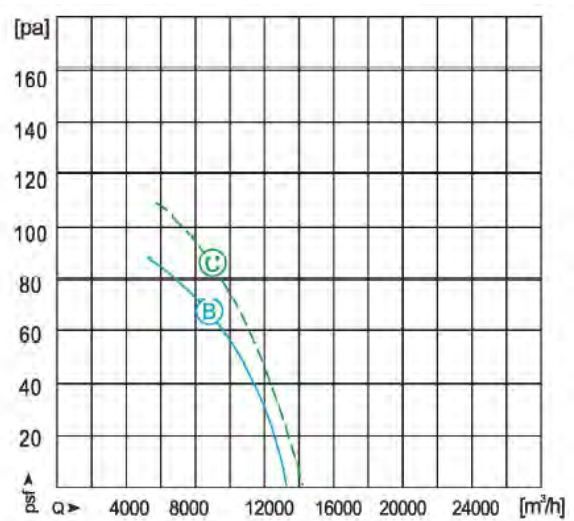
YWF φ800 - 5 External Rotor Motor Axial Fan



MODELS	Voltage	Frequency	Capacitor	Rated input	Rated speed	Rated current	Psf	Ambt Temp	Static efficiency	EFF Grade
	V	Hz	μF	W	r/min	A	Pa	°C	%	N
YWF 6D-800-5	220-380	50	-	1126	906	2.44	124	-40~+70	34.79	40.6
YWF8D-800-5	220-380	50	-	704	661	1.63	68	-40~+65	23.78	30.9
		60	-	834	747	1.65	85	-40~+55	26.35	33



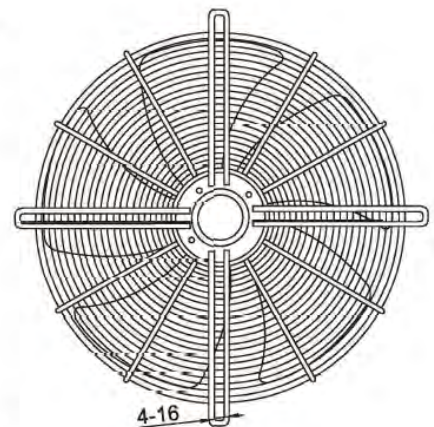
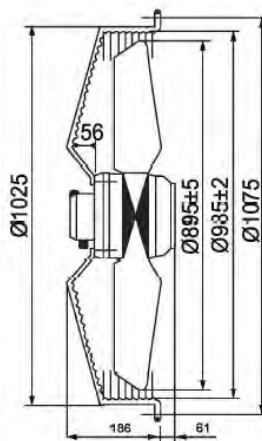
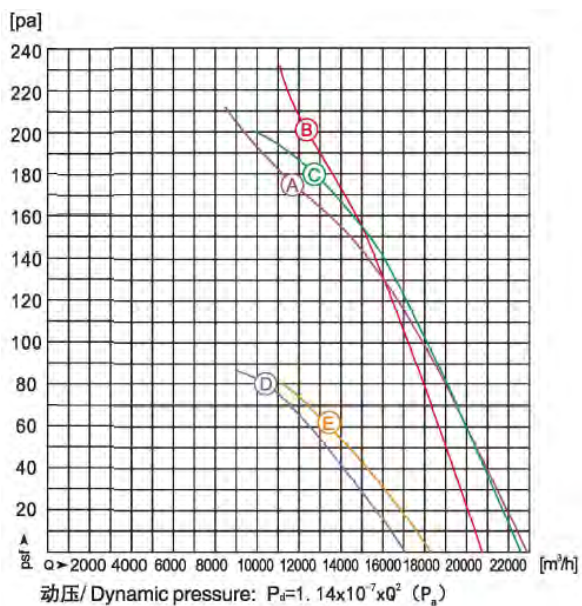
动压/ Dynamic pressure: $P_d = 1.83 \times 10^{-7} \times Q^2$ (P_a)



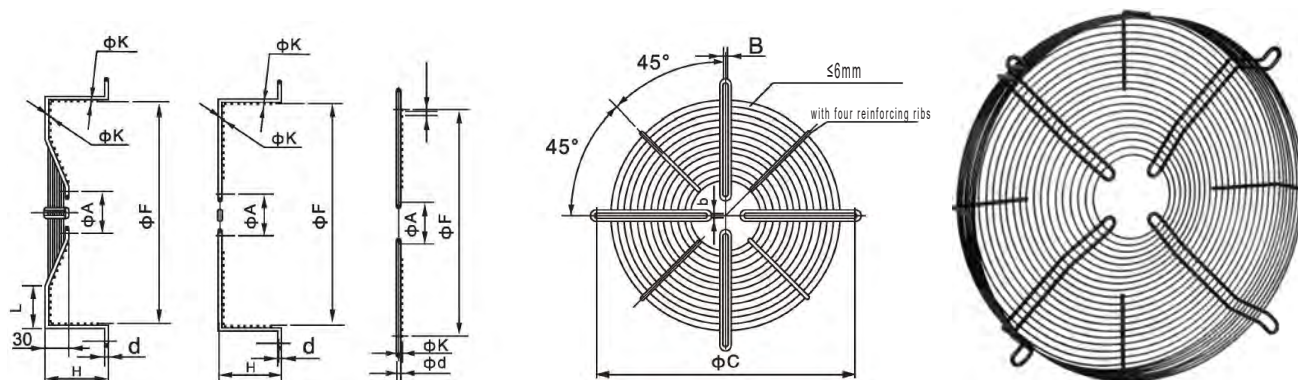
YWF φ900 External Rotor Motor Axial Fan



MODELS	Voltage	Frequency	Capacitor	Rated input	Rated speed	Rated current	Psf	Ambt Temp	Static efficiency	EFF Grade
	V	Hz	μF	W	r/min	A	Pa	°C	%	N
YWF 6D-900-5	220-380	50	-	1738	901	3.62	135	-40- +60	33.99	38.9
YWF 6D-900-5	220-380	50	-	1770	891	3.72	158	-40-+60	36.95	41.6
		60		1879	1061	3.68	165	-40-+55	35.53	40
YWF 8D-900-5	220/380	50	-	849	633	1.77	75	-40-+65	26.95	34
		60		1018	693	1.89	76	-40- +60	24.42	30.5



GRID FOR AXIAL FANS

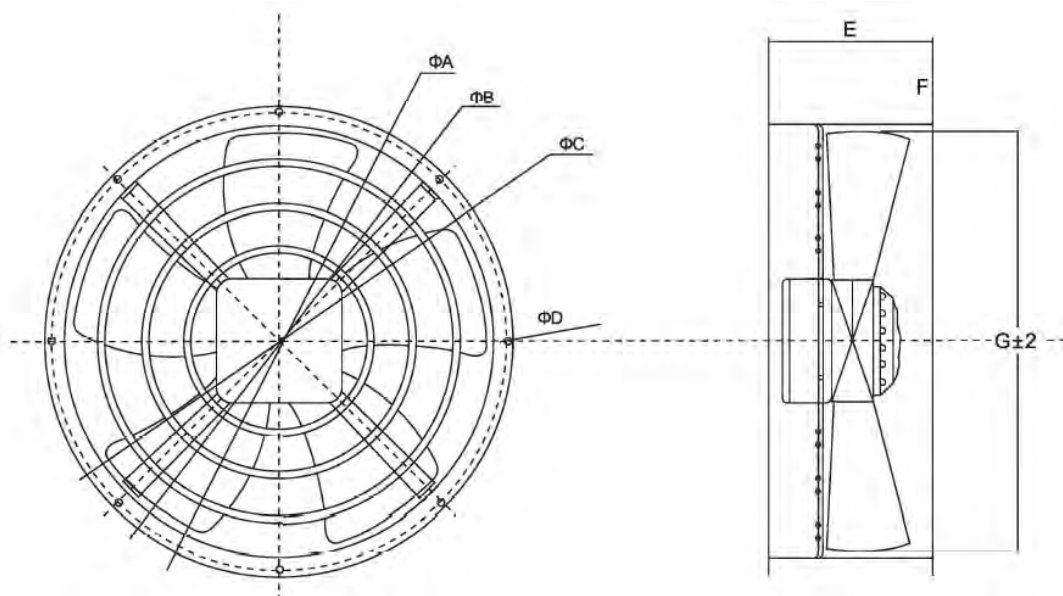


NO.	Matching motor	Main size								
		φC	φH	φA	φF	φd	φK	φB	φb	φL
Concave Grid		hole distance	grid height	motor mouting	grid diameter	rib diameter	wire diameter	hole diameter	hole diameter	flat size
1	YWF-300	360	80	58.5	320	4	2.5	7	7	58
2	YWF-315	390	80	58.5	335	4	2.5	7	7	65
3	YWF-330	402	80	58.5	350	4	2.5	7	7	65
4	YWF-350	422	80	90	370	5	2.5	9	8	75
5	YWF-380	450	90	90	400	5	2.5	9	8	80
6	YWF-400	470	90	90	420	5	2.5	9	8	80
7	YWF-420	490	90	90	440	5	2.5	9	8	80
8	YWF-450	522	90	90	470	6	2.8	9	8.5	110
9	YWF-500	570	90	120	520	6	2.8	9	8.5	195
10	YWF-550	622	100	120	570	6	2.8	9	8.5	220
11	YWF-600	679	100	120	620	7.5	3.3	10	9.5	245
12	YWF-630	750	100	120	650	7.5	3.3	10	9.5	260
Standard Flat Grid										
13	YWF-200	260	45	58.5	220	4	2.5	7	7	/
14	YWF-250	320	45	58.5	275	4	2.5	7	7	/
15	YWF-300	360	60	58.5	320	4	2.5	7	7	/
16	YWF-350	422	60	90	370	5	2.5	9	8	/
17	YWF-400	470	60	90	420	5	2.5	9	8	/
18	YWF-450	522	60	90	470	6	2.8	9	8.5	/
19	YWF-500	570	60	120	520	6	2.8	9	8.5	/
20	YWF-550	622	100	120	570	6	2.8	9	8.5	/
21	YWF-600	679	100	120	620	7.5	3.3	10	9.5	/
22	YWF-630	750	100	120	650	7.5	3.3	10	9.5	/
Flat Grid										
23	YWF-250	320	0	58.5	288	4	2.5	7	7	/
24	YWF-300	360	0	58.5	333	4	2.5	7	7	/
25	YWF-350	422	0	90	385	5	2.5	9	8	/
26	YWF-400	470	0	90	435	5	2.5	9	8	/
27	YWF-450	522	0	90	487	6	2.8	9	8	/
28	YWF-500	570	0	120	537	6	2.8	9	8.5	/
29	YWF-550	622	0	120	587	6	2.8	9	8.5	/
30	YWF-630	750	0	120	656	6	3	11	8.5	/

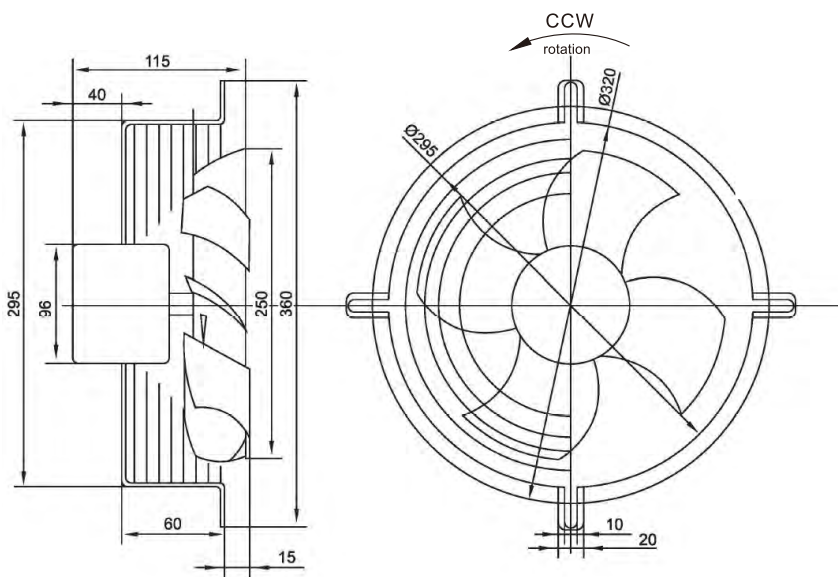
EXTERNAL ROTOR CYLINDER FAN



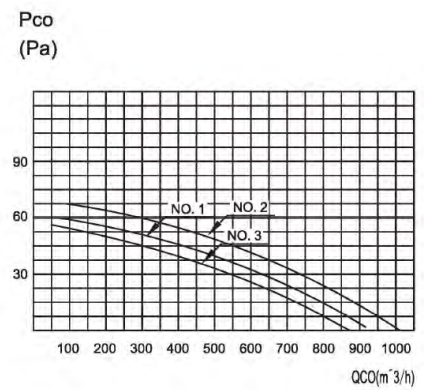
	250	300	350	400	450	500	550	600	630
A	\	\	\	\	\	515	φ565	615	650
B	φ285	φ345	φ395	φ440	φ495	φ550	φ600	φ650	φ690
C	φ305	φ365	φ415	φ465	φ515	φ570	φ620	φ675	φ705
D	8-φ7	8-φ7	8-φ9	8-φ9	8-φ9	6-φ10.5	8-φ11	8-φ11	8-φ11
E	200	200	200	200	200	250	250	250	250
F	1.2000	1.2000	1.2000	1.2000	1.2000	1.2000	1.2000	1.5000	1.5000
G	φ250±2	φ300±2	φ350±2	φ400±2	φ450±2	φ500±2	φ550 ^C	φ600±2	φ630±2



YWF 94 - 250X AXIAL FAN

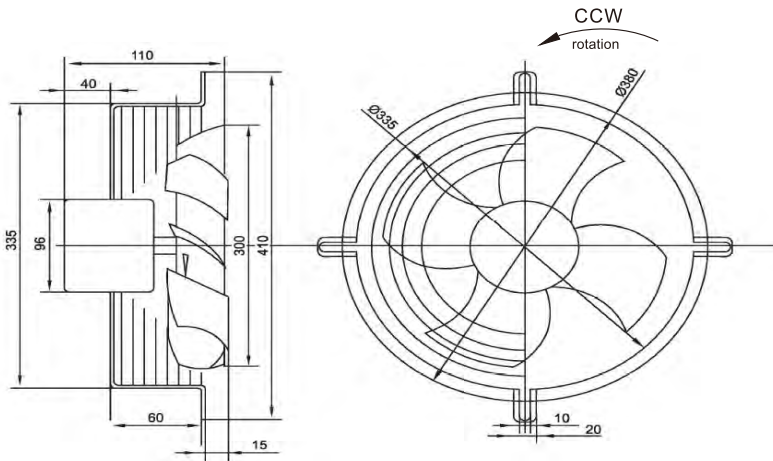


Air Flow Curves

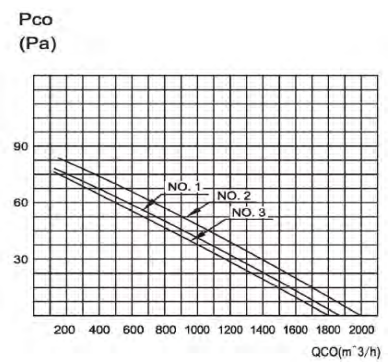


Model	Voltage	Frequency	capacitor	Current	Powerinput	Speed	Air flow	Noise	Curve No.
	V	Hz	μF	A	W	r/m	m³/h	dB(A)	
YWF 94-250X	220	50/60	2.5μF/450V	0.27	80	1400	900	55	1
	115	50/60	5μf /450V	0.9	120	1600	1000	56	2
	380	50	I	0.20	80	1400	860	53	3

YWF 94 - 300X AXIAL FAN

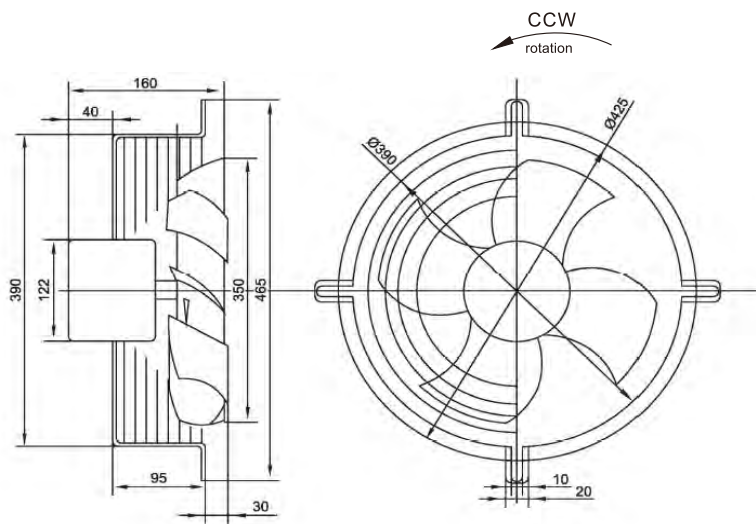
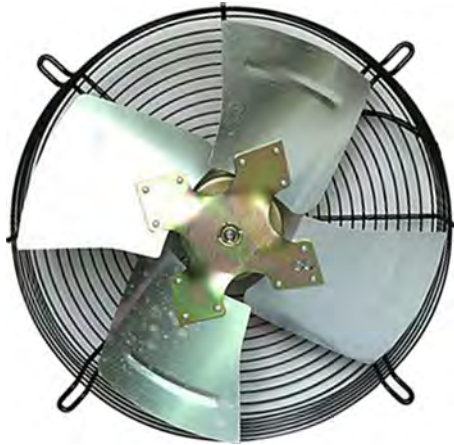


Air Flow Curves

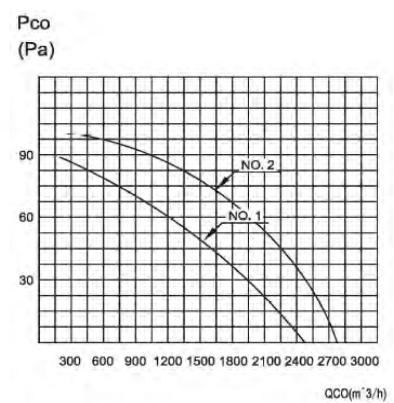


Model	Voltage	Frequency	capacitor	Current	Powerinput	Speed	Air flow	Noise	Curve No.
	V	Hz	μF	A	W	r/m	m³/h	dB(A)	
YWF 94-300X	220	50/60	2.5μF/450V	0.40	90	1380	1800	54	1
	115	50/60	5μf /450V	1.10	150	1600	1900	56	2
	380	50	I	0.38	90	1340	1750	53	3

YWF120 - 350X AXIAL FAN

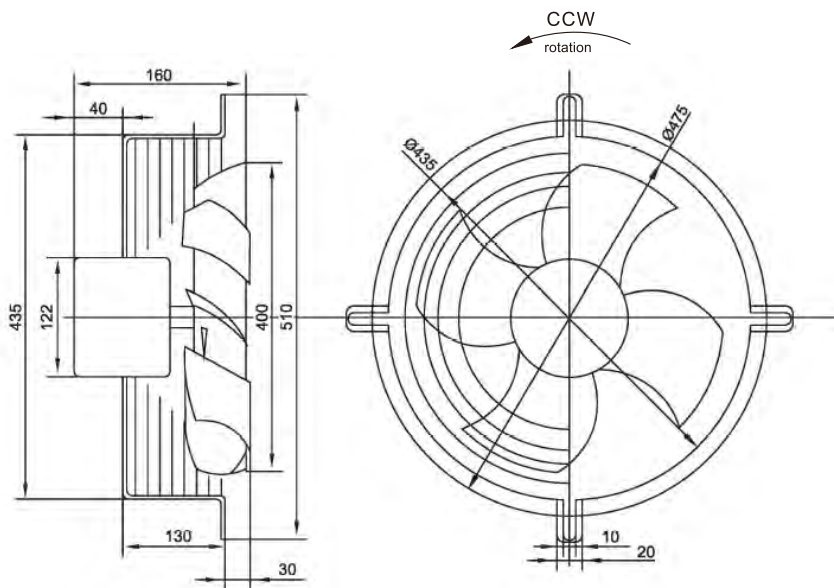
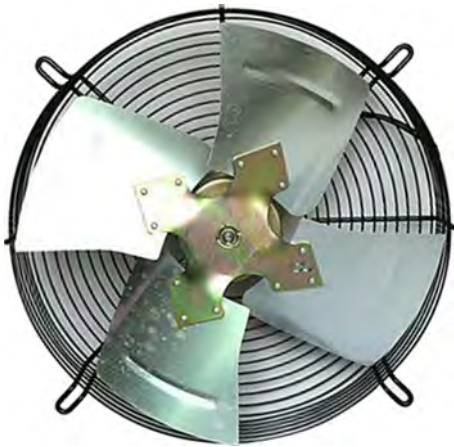


Air Flow Curves

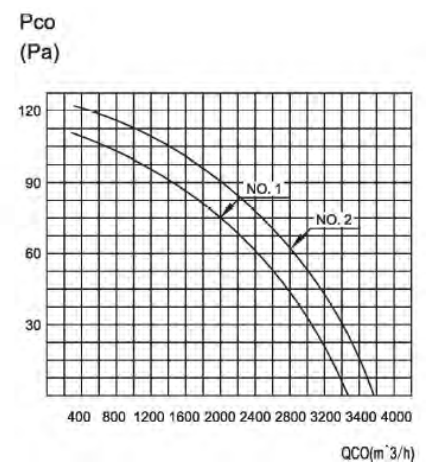


Model	Voltage	Frequency	capacitor	Current	Powerinput	Speed	Air flow	Noise	Curve No.
	V	Hz	μF	A	W	r/m	m³/h	dB(A)	
YWF 120-350	220	50/60	4μF/450V	0.50	120	1250	2400	57	1
	115	50/60	8μf /450V	1.10	150	1400	2700	60	2
	380	50	/	0.38	90	1250	2400	57	1

YWF120 - 400X AXIAL FAN



Air Flow Curves

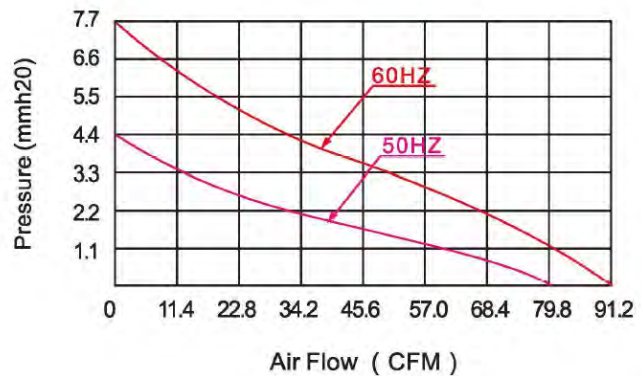


Model	Voltage	Frequency	capacitor	Current	Powerinput	Speed	Air flow	Noise	Curve No.
	V	Hz	μF	A	W	r/m	m³/h	dB(A)	
YWF 120-400	220	50/60	4μF/450V	0.60	140	1300	3200	57	1
	115	50/60	10μf /450V	1.30	150	1450	3500	60	2
	380	50	/	0.45	140	1300	3200	57	1

AC 12038 AXIAL FAN



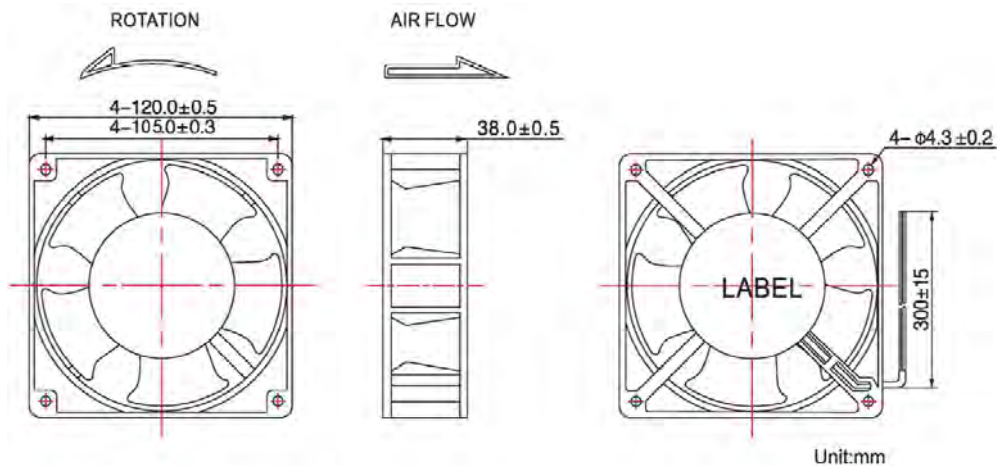
Performance Curves



Frame: aluminum alloy - ADC12
 Blades: Thermal plastic, PBT UL94V-O
 Bearing: sleeve & ball bearing optional
 Motor leads: UL type or equivalent

Operating temperature: -10°C - +70°C
 Relative Humidity: 35%-85% RH
 Storage temperature: -40°C - +80°C
 Relative Humidity: 35%-85% RH

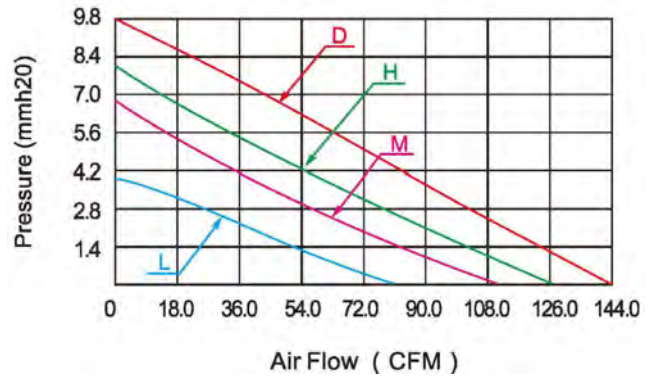
Model	Voltage	Frequency	Input Power	Current	Rated Speed	Air Flow	Static Pressure	Noise	Weight
	VAC	Hz	W	A	r/m	CFM	mmH2O	dBA	g
1238S110H	110/120	50/60	21/20	0.28/0.26	2700/3100	80/91	4.57/7.62	44/49	480
1238S220H	220/240	50/60	21/20	0.14/0.13	2700/3100	80/91	4.57/7.62	44/49	480
12386110H	110/120	50/60	21/20	0.28/0.26	2700/3100	80/91	4.57/7.62	44/49	480
12386220H	220/240	50/60	21/20	0.14/0.13	2700/3100	80/91	4.57/7.62	44/49	480



DC 12038 AXIAL FAN



Performance Curves

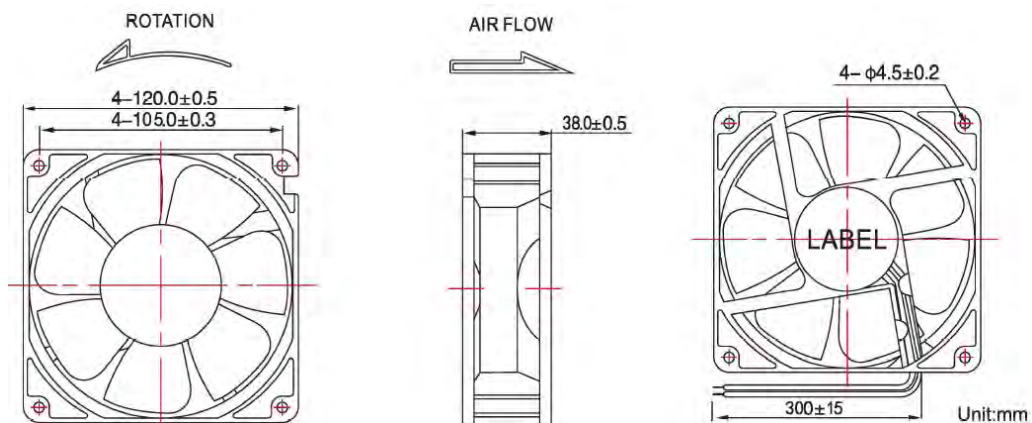


Frame: aluminum alloy - ADC12
 Blades: Thermal plastic, PBT UL94V-0
 Bearing: sleeve & ball bearing optional
 Motor leads: UL type or equivalent

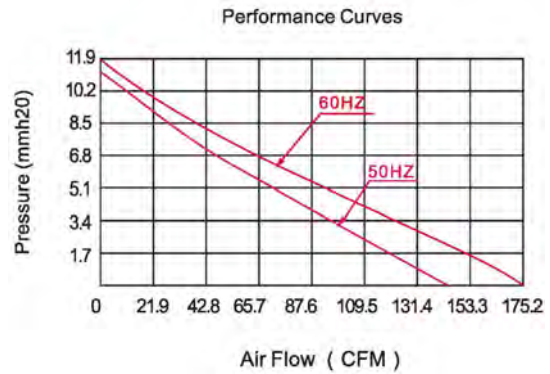
Operating temperature: -10°C - +70°C
 Relative Humidity: 35%-85% RH
 Storage temperature: -40°C - +80°C
 Relative Humidity: 35%-85% RH

Models	Rated Voltage	voltage	Rated Current	Rated Speed	Air Flow	Static Pressure	Noise Level	Available Features (Optional)				Weight
	VAC	VAC	A	r/m	CFM	mmH ₂ O	dBA	Tachtem Output	Rotation Detector	Thermal Control	PulseWidth Modulation	g
123812D	12	6.0-13.8	1	3.5	143.4	9.3	51	♦	♦	♦	♦	265
123812H		6.0-13.8	0.6	3	126.2	7.8	47	♦	♦	♦	♦	
123812M		6.0-13.8	0.45	2.7	113.3	6.5	44	♦	♦	♦	♦	
123812L		6.0-13.8	0.3	2	83.2	3.7	37	♦	♦	♦	♦	
123824D	24	12.0-27.6	0.6	3.5	143.4	9.3	51	♦	♦	♦	♦	
123824H		12.0-27.6	0.4	3	126.2	7.8	47	♦	♦	♦	♦	
123824M		12.0-27.6	0.25	2.7	113.3	6.5	44	♦	♦	♦	♦	
123824L		12.0-27.6	0.2	2	83.2	3.7	37	♦	♦	♦	♦	
123848D	28	24.0-55.2	0.3	3.5	143.4	9.3	51	♦	♦	♦	♦	
123848H		24.0-55.2	0.2	3	126.2	7.8	47	♦	♦	♦	♦	
123848M		24.0-55.2	0.15	2.7	113.3	6.5	44	♦	♦	♦	♦	
123848L		24.0-55.2	0.1	2	83.2	3.7	37	♦	♦	♦	♦	

X=S: Sleeve Bearing or B: Ball Bearing or H: Hydro Bearing; Specifications are subject to change without notice.



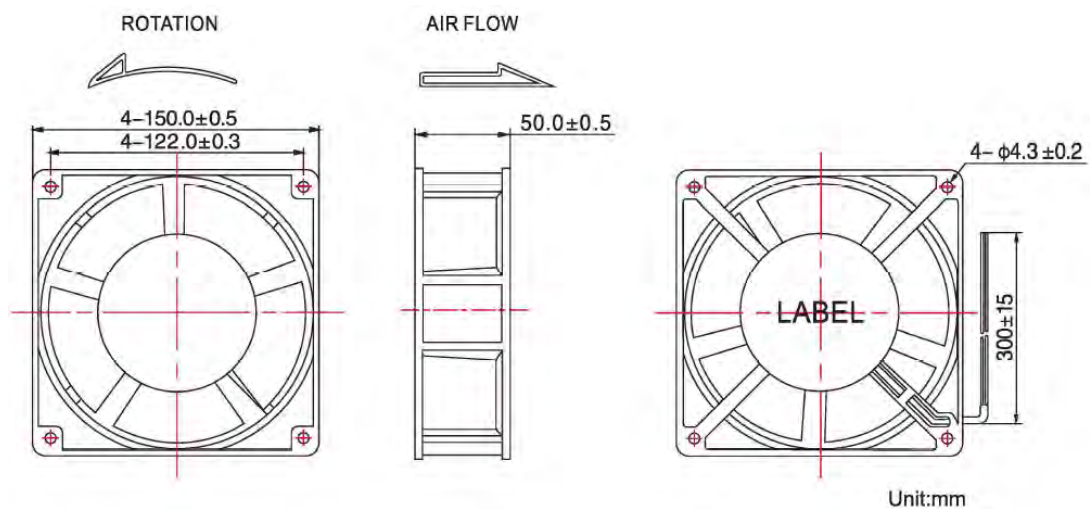
AC 15050 AXIAL FAN



Frame: aluminum alloy - ADC12
 Blades: Thermal plastic, PBT UL94V-O
 Bearing: sleeve & ball bearing optional
 Motor leads: UL type or equivalent

Operating temperature: -10°C - +70°C
 Relative Humidity: 35%-85% RH
 Storage temperature: -40°C - +80°C
 Relative Humidity: 35%-85% RH

Models	Vltage	Frequency	InputPower	Current	RatedSpeed	AirFlow	StaticPressure	Noiselevel	Weigth
	V	Hz	W	A	r/m	CFM	mmH2O	dBA	g
15508110H	110/120	50/60	36/ 34	0.50/0.48	2600/3000	145/175	11.43/15.85	55/60	880
1550S220H	220/240	50/60	36/ 34	0.25/0.24	2600/3000	145/175	11.43/15.85	55/60	880
15506 110H	110 /120	50/60	36/ 34	0.50/0.48	2600/3000	145/175	11.43/15.85	55/60	880
15506220H	220/240	50/60	36/ 34	0.25/0.24	2600/3000	145/175	11.43/15.85	55/60	880





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