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Product Overview

Axial fans

Axial fans prove their reputation as space-saving wonders by moving air for hot or cold air exchange in a wide variety of devices and systems. The outstanding features of axial fans are their small installation depth, low noise level and exceptional efficiency, and are particularly well suited for air flow through heat exchangers. Furthermore, with EC technology, the axial fan becomes a intelligent energy saver for an extremely wide range of applications.

The axial fan: One principle, countless options

The axial fan, the function of which is similar to a propeller, moves the air axially, parallel to the revolving motor shaft. The external rotor motor is integrated directly into the axial impeller, forming a compact axial fan unit. Moreover, using EC motors also enables precision control of the air flow – they are available with tacho output, linear or PWM input, bus-connectable interfaces and many other features. They are usually installed with wall rings in short or long bell mouths.

Axial fan motors are widely applied to commercial refrigerators, ice cabinets and kitchen equipments.

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100%
COPPER
WINDING

RoHS COMPLIANT

CE

SHADED POLE MOTOR

Model	SAFE-AC-5	SAFE-AC-10	SAFE-AC-16	SAFE-AC-25	SAFE-AC-34
VOLTAGE V	220-240	220-240	220-240	220-240	220-240
FREQUENCY Hz	50/60	50/60	50/60	50/60	50/60
RATED INPUT W	33	40	70	95	120
OUTPUT W	5	10	16	25	34
RATED CURRENT A	0.21	0.25	0.45	0.7	0.85
RATED SPEED r/min	1300	1300	1300	1300	1300
FAN BLADE Dai in mm	200	230	250	300	300
WEIGHT kg	0.8	1.1	1.4	1.8	2
QTY/CTN pcs	24	24	12	12	12
A mm	13	19	25	40	45
B mm	14	13	19.3	22	25
C mm	44.5	42.5	49.8	51.5	55.5
D mm	77	82	95.5	113	121
LICENSE	CE VDE CCC UL	CE VDE CCC UL	CE VDE CCC UL	CE VDE CCC	CE VDE CCC
Rotation	CCW	CCW	CCW	CCW	CCW
Insulation	B’ Class	B’ Class	B’ Class	B’ Class	B’ Class
Protection	IP 42	IP 42	IP 42	IP 42	IP 42

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INSTRUMENT COOLING FAN

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CE

TECHNICAL SPECIAFICATION

Model	tru- 17250
Motor Design	Shaded - Pole
Dimension	172x150x50mm
Housing	Aluminum
Impellor	5
Bearing	Ball
Operating Voltage	220V - 240V 50Hz
Life Cycle	50000 Hrs
Operating Temprature (Ball Bearing)	-40°C ~ 90°C
Operating Temprature (Sleeve Bearing)	-25°C ~ 60°C
Net Weight (KG)	0.81
Current (A)	0.23/0.22A
Voltage	220
Frequency	50
Input Power (W)	35/33W
Speed RPM	2500
Air Flow (CFM)	180/190 CFM
Noise (db)	45/47 db

TECHNICAL SPECIAFICATION

Model	tru-12038 B/S
Motor Design	Shaded - Pole
Dimension	120x120x38mm
Housing	Aluminum
Impellor	5
Bearing	Sleeve
Operating Voltage	220V - 240V 50Hz
Life Cycle	30000 Hrs
Operating Temprature (Ball Bearing)	-40°C ~ 90°C
Operating Temprature (Sleeve Bearing)	-25°C ~ 60°C
Net Weight (KG)	0.45
Current (A)	0.14/0.12A
Voltage	230
Frequency	50
Input Power (W)	25/23W
Speed RPM	2600
Air Flow (CFM)	85/95
Noise (db)	46 db

INSTRUMENT COOLING FAN

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INSTRUMENT COOLING FAN

TECHNICAL SPECIAFICATION

Model	tru- 17051
Motor Design	Shaded - Pole
Dimension	170x170x51mm
Housing	Aluminum
Impellor	5
Bearing	Ball
Operating Voltage	220V - 240V 50Hz
Life Cycle	50000 Hrs
Operating Temprature (Ball Bearing)	-40°C ~ 90°C
Operating Temprature (Sleeve Bearing)	-25°C ~ 60°C
Net Weight (KG)	1.00
Current (A)	0.23/0.22A
Voltage	220
Frequency	50
Input Power (W)	37W
Speed RPM	2400
Air Flow (CFM)	150
Noise (db)	45/47 db

TECHNICAL SPECIAFICATION

Model	tru-20060
Motor Design	Shaded - Pole
Dimension	200x200x60mm
Housing	Aluminum
Impellor	5
Bearing	Ball
Operating Voltage	220V - 240V 50Hz
Life Cycle	50000 Hrs
Operating Temprature (Ball Bearing)	-40°C ~ 90°C
Operating Temprature (Sleeve Bearing)	-25°C ~ 60°C
Net Weight (KG)	1.70
Current (A)	0.31/0.30
Voltage	220
Frequency	50
Input Power (W)	56/54W
Speed RPM	2100
Air Flow (CFM)	170/180
Noise (db)	64 db

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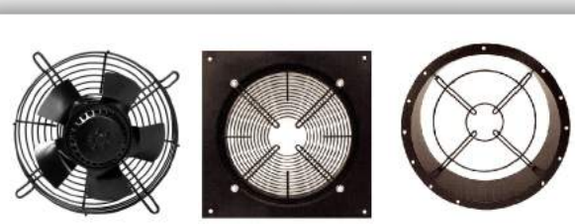
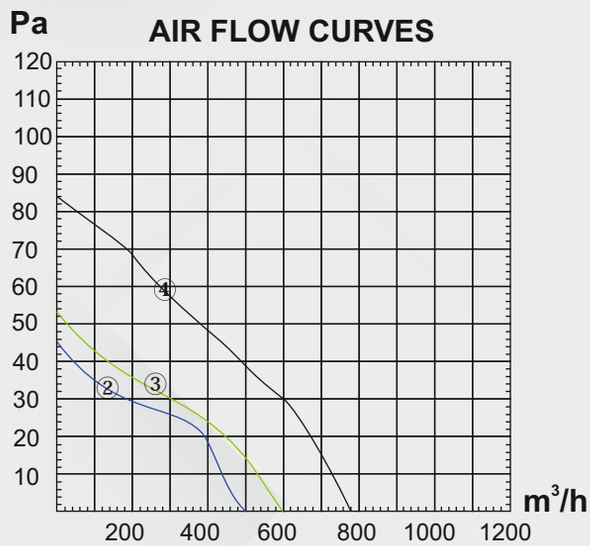
MODEL : SAFE-200

Operating Type: S1
Ambient Temperature: -30 ° C ~60 ° C
Insulation Class: B Class



TYPE	SAFE 2E-200	SAFE 2D-200	SAFE 4E-200
VOLTAGE V	220	380	220
FREQUENCY Hz	50	50	50
RATED CURRENT A	0.25	0.18	0.20
INPUT W	55	65	40
SPEED r/min	2500	2500	1400
CAPACITOR μF	2	/	1.5
NET WEIGHT kg	2.5	2.5	2.5
NOISE dBA	52	52	45
AIR VOLUME m3/h	790	790	500
CURVE	④		②



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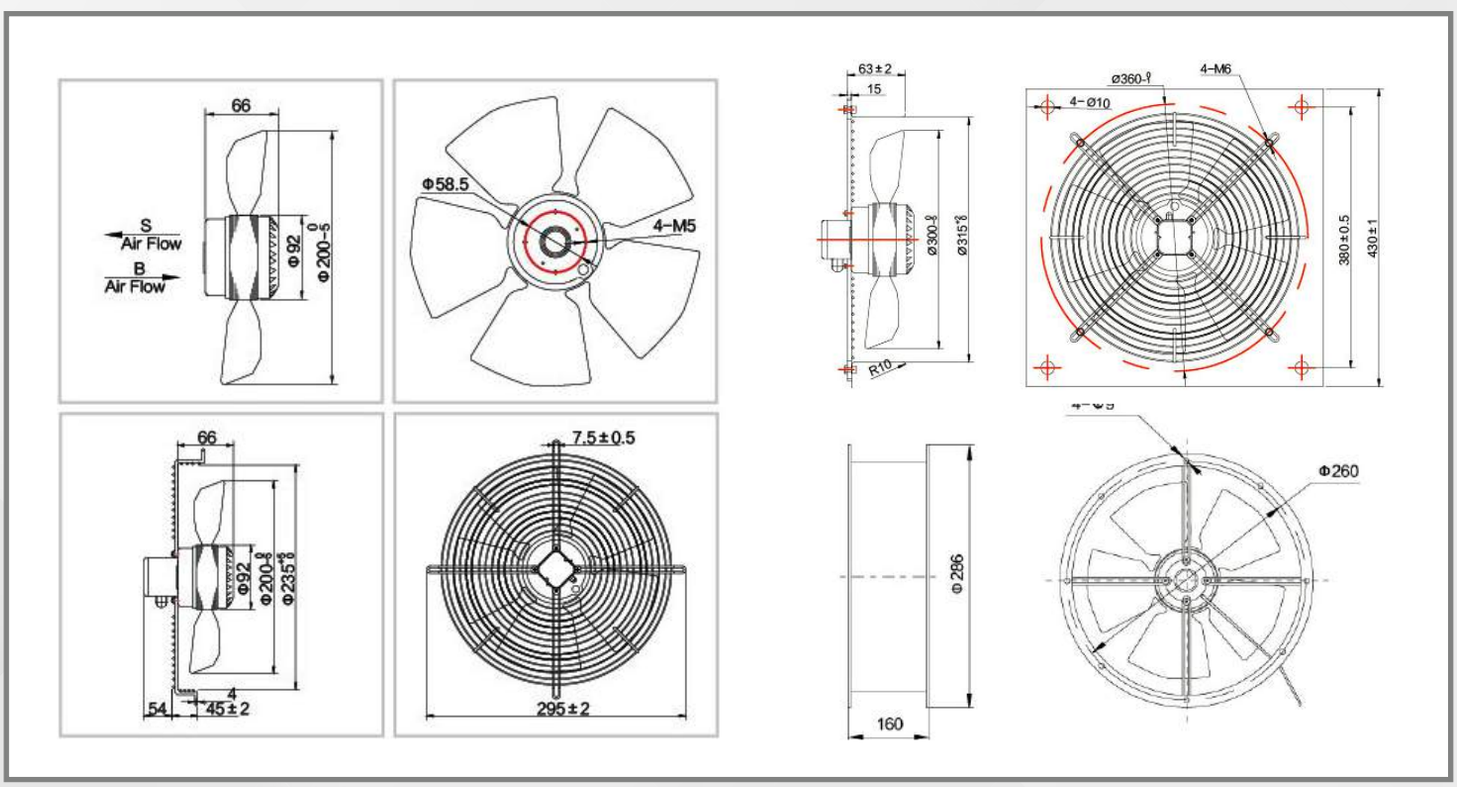

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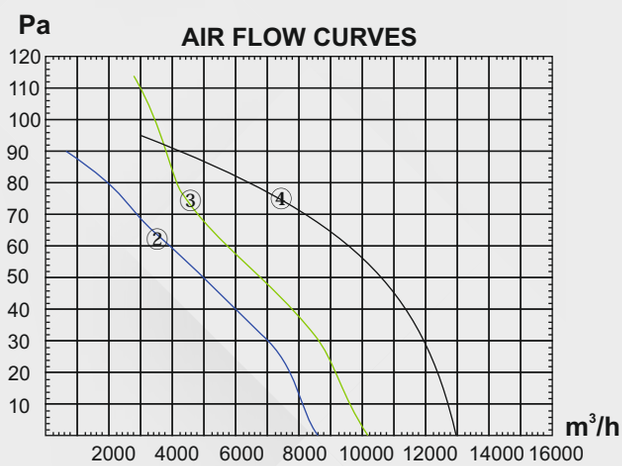
MODEL - SAFE-250

Operating type: S1
Ambient temperature: -30 ° C ~60 ° C
Insulation class: B Class

TYPE	SAFE 2E-250	SAFE 2D-250	SAFE 4E-250		SAFE 4D-250	
VOLTAGE V	220	380	220		380	
FREQUENCY Hz	50	50	50	60	50	60
RATED CURRENT A	0.5	0.21	0.22	0.25	0.17	0.15
INPUT W	110	100	45	55	45	45
SPEED r/min	2400	2400	1400	1700	1400	1700
CAPACITOR μF	4	/	2	2	/	/
NET WEIGHT kg	3	3	3	3	3	3
NOISE dBA	60	60	55	56	56	56
AIR VOLUME m3/h	1300	1300	860	1015	860	1015
CURVE	④		②	③	②	③



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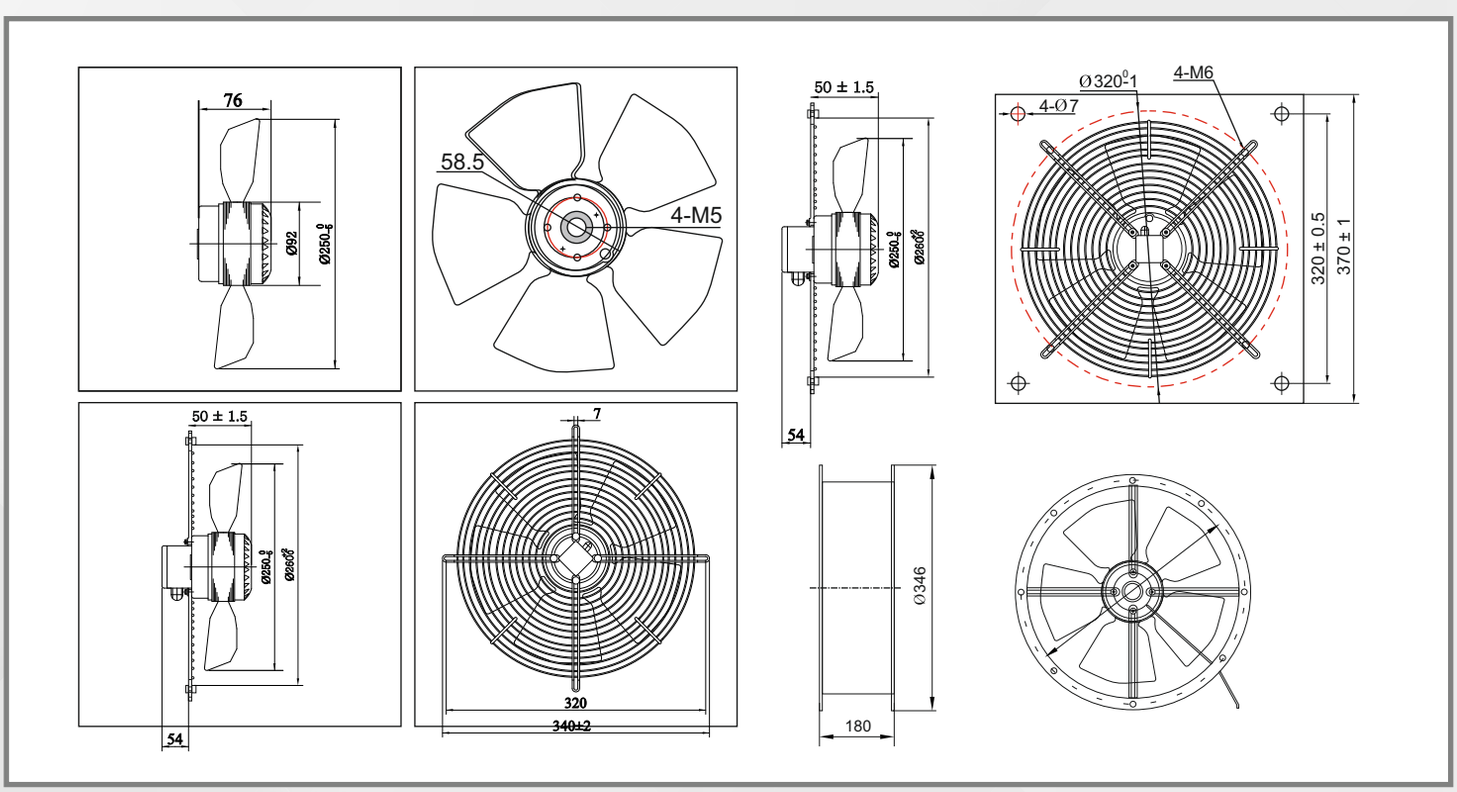

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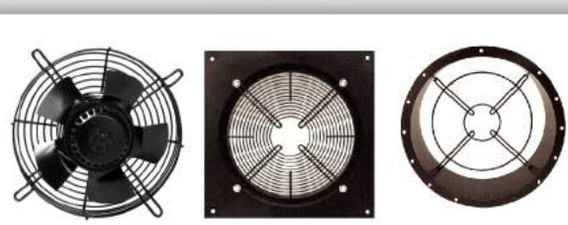


MODEL

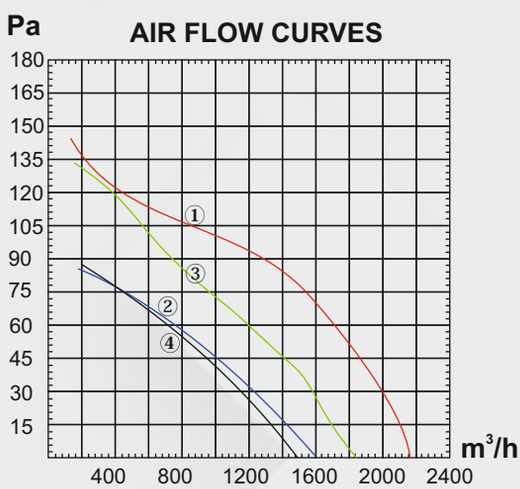
SAFE-300

Operating type: S1

Ambient temperature: -30 ° C ~60 ° C

Insulation class: B Class

TYPE	SAFE 2E-300	SAFE 2D-300	SAFE 4E-300		SAFE 4E-300EX	SAFE 4D-300	
VOLTAGE V	220	380	220		220	380	
FREQUENCY Hz	50	50	50	60	50	50	60
RATED CURRENT A	0.65	0.28	0.38	0.45	0.42	0.24	0.24
INPUT W	140	150	80	95	90	75	90
SPEED r/min	2500	2500	1350	1550	1350	1380	1550
CAPACITOR μF	4	/	3	3	3	/	/
NET WEIGHT kg	3.3	3.3	3.3	3.3	3.3	3.3	3.3
NOISE dBA	60	60	53	55	58	53	55
AIR VOLUME m3/h	2200	2200	1460	1845	1500	1835	1600
CURVE	①		②		④	③	



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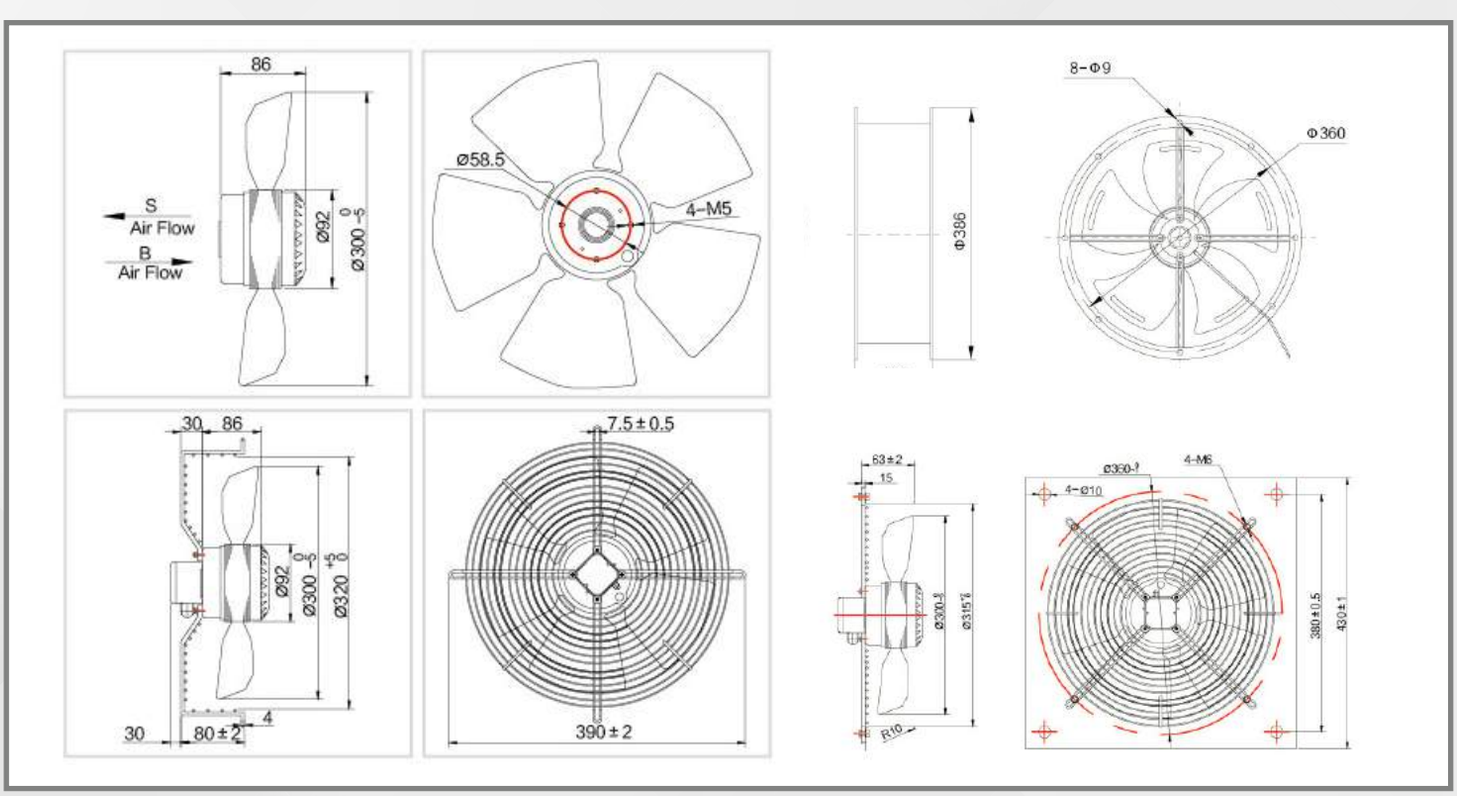

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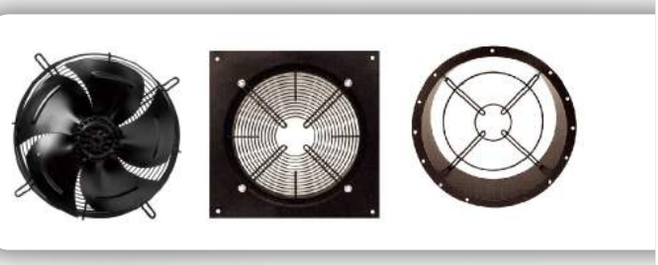
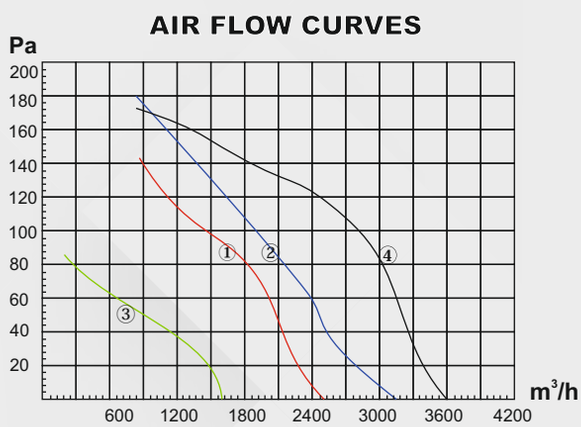


MODEL
SAFE-350

Operating type: S1
Ambient temperature: -30 ° C ~60 ° C
Insulation class: B Class

TYPE	SAFE 4E-350		SAFE-4E-350 EX	SAFE 4D-350		SAFE 6E-350	SAFE 6D-350
VOLTAGE V	220		220	380		220	380
FREQUENCY Hz	50	60	50	50	50	50	50
RATED CURRENT A	0.65	0.78	0.80	0.38	0.35	0.38	0.30
INPUT W	135	170	180	140	180	80	80
SPEED r/min	1380	1600	1380	1380	1600	920	920
CAPACITOR μF	4	4	6	/	/	3	/
NET WEIGHT kg	4.8	4.8	5.5	4.8	4.8	4.8	4.8
NOISE dBA	62	62	60	62	62	56	56
AIR VOLUME m3/h	2450	2830	3280	2480	2810	1630	1610
CURVE	①	②	④	①	②	③	



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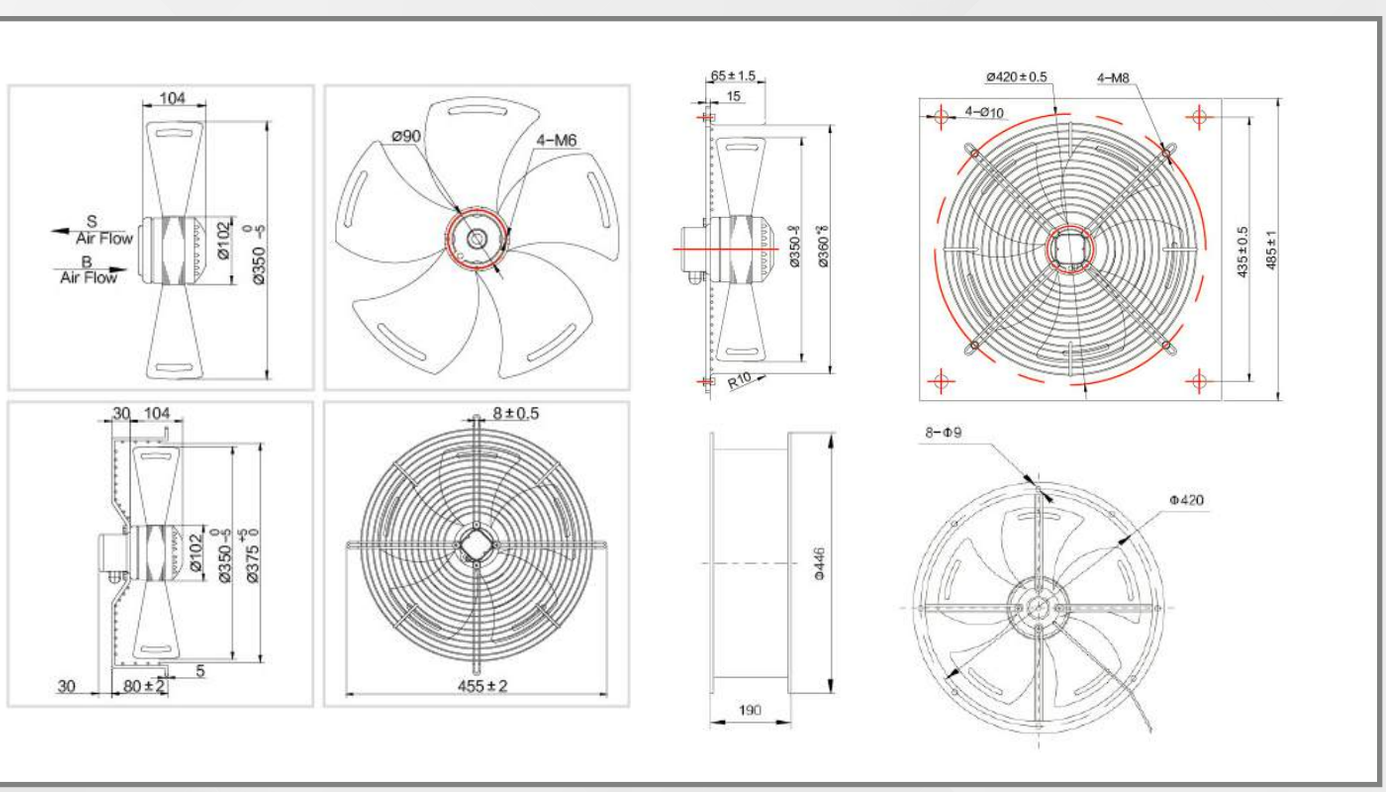

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MODEL

SAFE- 400

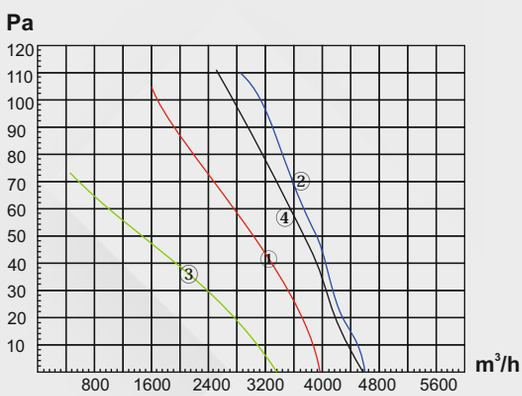
Operating type: S1

Ambient temperature: -30 ° C ~60 ° C

Insulation class: B Class

TYPE	SAFE 4E-400		SAFE 4E-400EX	SAFE 4D-400		SAFE 6E-400	SAFE 6D-400
VOLTAGE V	220		220	380		220	380
FREQUENCY Hz	50	60	50	50	60	50	50
RATED CURRENT A	0.82	1.2	1.10	0.47	0.47	0.50	0.38
INPUT W	180	255	230	180	250	110	105
SPEED r/min	1380	1550	1350	1380	1550	920	920
CAPACITOR μF	6	6	8	/	/	4	/
NET WEIGHT kg	5.7	6	6.9	6	6	6	6
NOISE dBA	66	66	66	66	66	58	58
AIR VOLUME m3/h	3980	4670	4530	3960	4590	3275	3250
CURVE	①	②	④	①	②	③	

AIR FLOW CURVES



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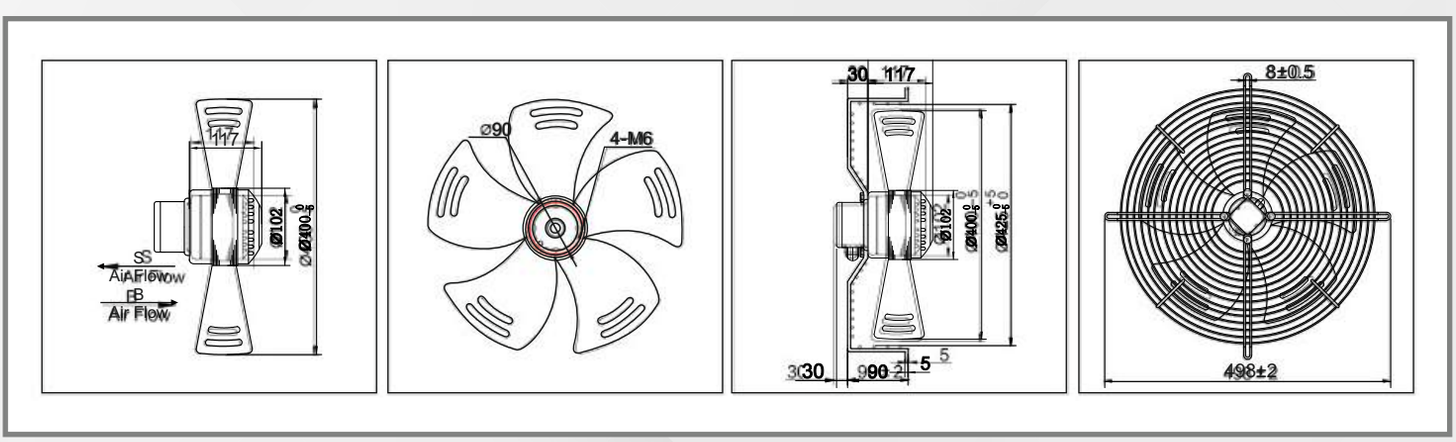

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MODEL

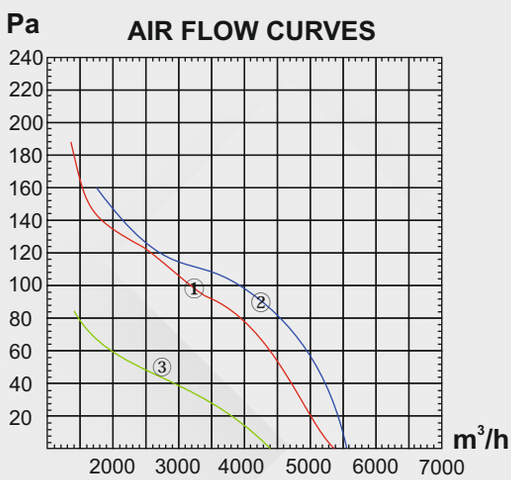
SAFE- 450

Operating type: S1

Ambient temperature: -30 ° C ~60 ° C

Insulation class: B Class

TYPE	SAFE 4E-450		SAFE 4D-450		SAFE 6E-450	SAFE 6D-450
VOLTAGE V	220		380		220	380
FREQUENCY Hz	50	60	50	60	50	50
RATED CURRENT A	1.20	1.52	0.60	0.60	0.70	0.42
INPUT W	250	330	250	330	150	150
SPEED r/min	1350	1500	1360	1500	920	900
CAPACITOR μF	8	8	/	/	6	/
NET WEIGHT kg	7.5	7.5	7.5	7.5	7.5	7.5
NOISE dBA	68	68	68	68	60	60
AIR VOLUME m3/h	5380	5600	5390	5620	4400	4410
CURVE	①	②	①	②	③	



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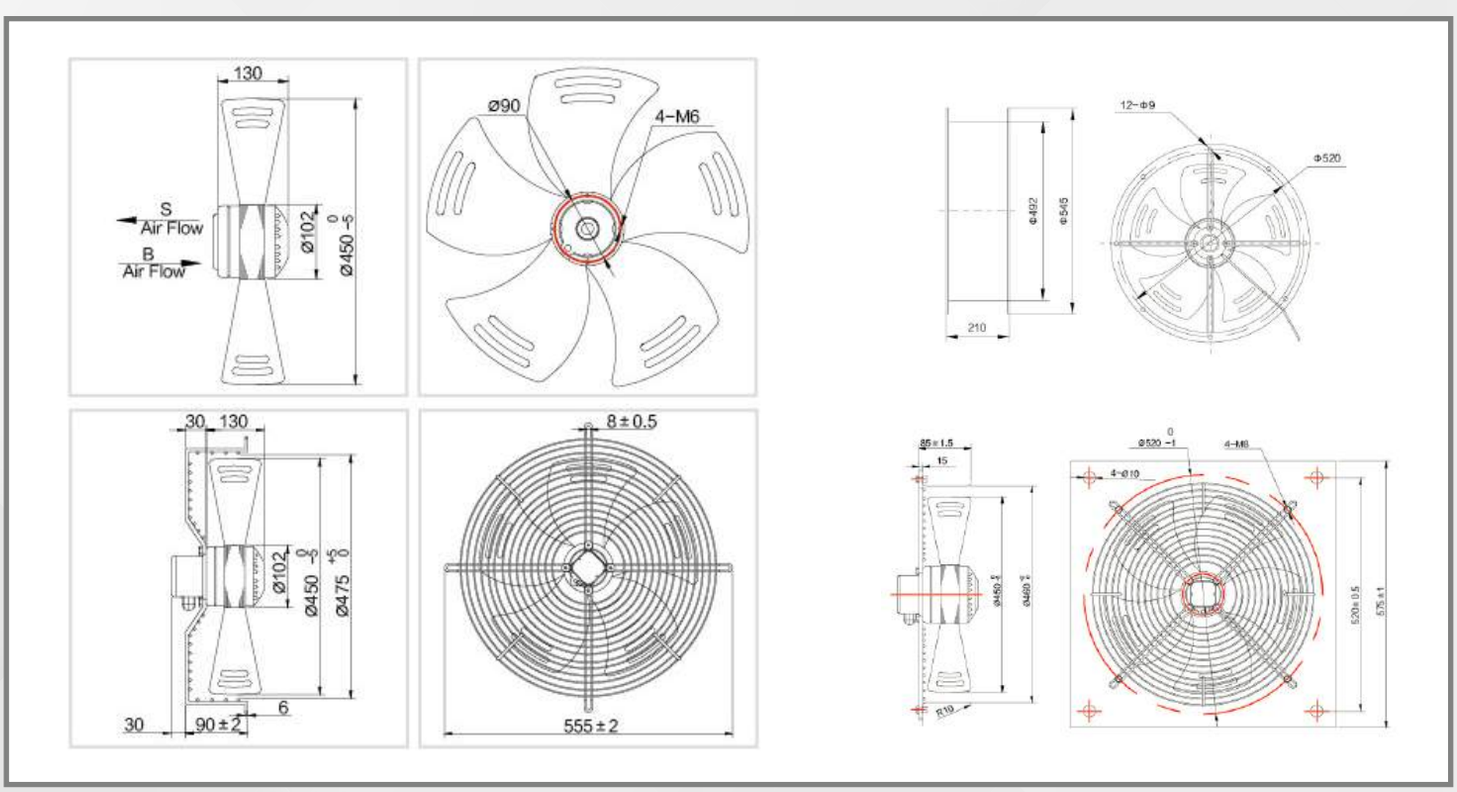

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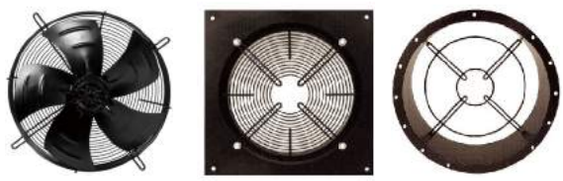


MODEL

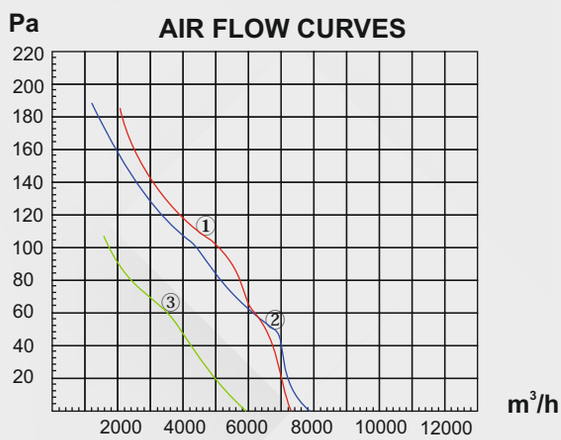
SAFE-4D/4E-500

Operating type: S1

Ambient temperature: -30 ° C ~60 ° C

Insulation class: B Class

TYPE	SAFE 4E-500		SAFE 4D-500		SAFE 6E-500	SAFE 6D-500
VOLTAGE V	220		380		220	380
FREQUENCY Hz	50	60	50	60	50	50
RATED CURRENT A	1.90	2.55	0.90	0.95	1.10	0.55
INPUT W	420	560	450	520	220	220
SPEED r/min	1300	1550	1300	1500	900	900
CAPACITOR μF	10	14	/	/	10	/
NET WEIGHT kg	9	9	9	9	9	9
NOISE dBA	72	72	72	72	68	68
AIR VOLUME m3/h	7155	7950	7190	7805	5800	5820
CURVE	①	②	①	②	③	



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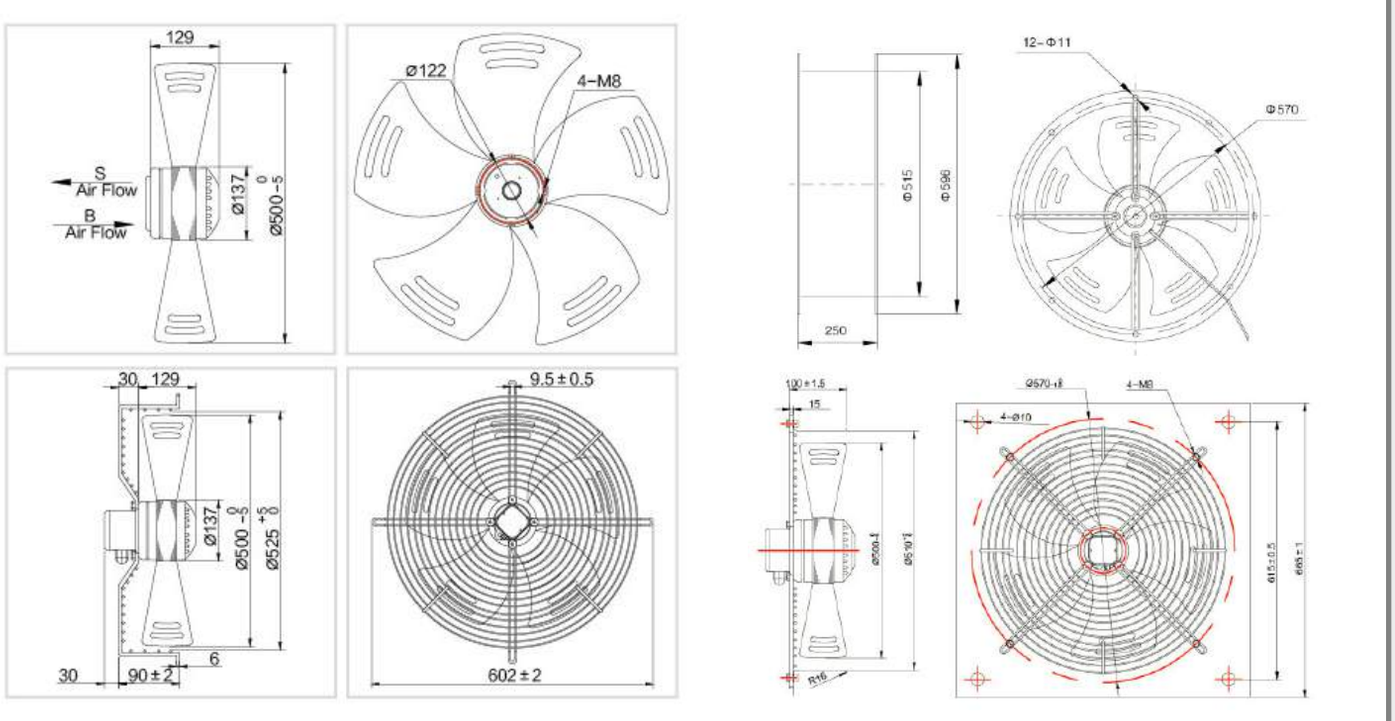

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MODEL

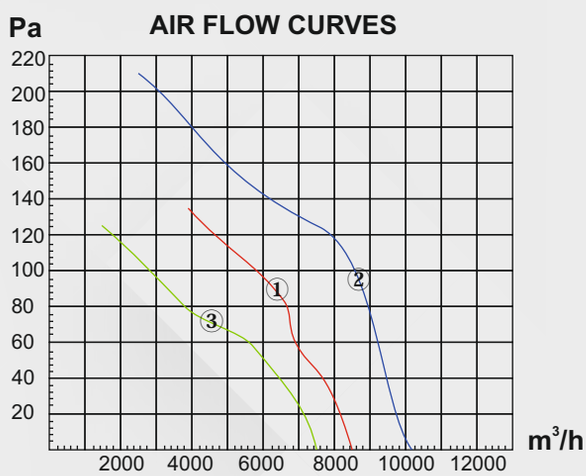
SAFE-4D/4E-550

Operating type: S1

Ambient temperature: -30 ° C ~60 ° C

Insulation class: B Class

TYPE	SAFE 4E-550		SAFE 4D-550		SAFE 6E-550	SAFE 6D-550
VOLTAGE V	220		380		220	380
FREQUENCY Hz	50	60	50	60	50	50
RATED CURRENT A	2.55	2.85	1.20	1.45	1.65	0.85
INPUT W	550	650	600	750	320	320
SPEED r/min	1300	1600	1300	1550	900	900
CAPACITOR μF	12	14	/	/	10	/
NET WEIGHT kg	10.5	10.5	10.5	10.5	10.5	10.5
NOISE dBA	75	75	75	75	70	70
AIR VOLUME m3/h	8550	10160	8600	10100	7290	7280
CURVE	①	②	①	②	③	



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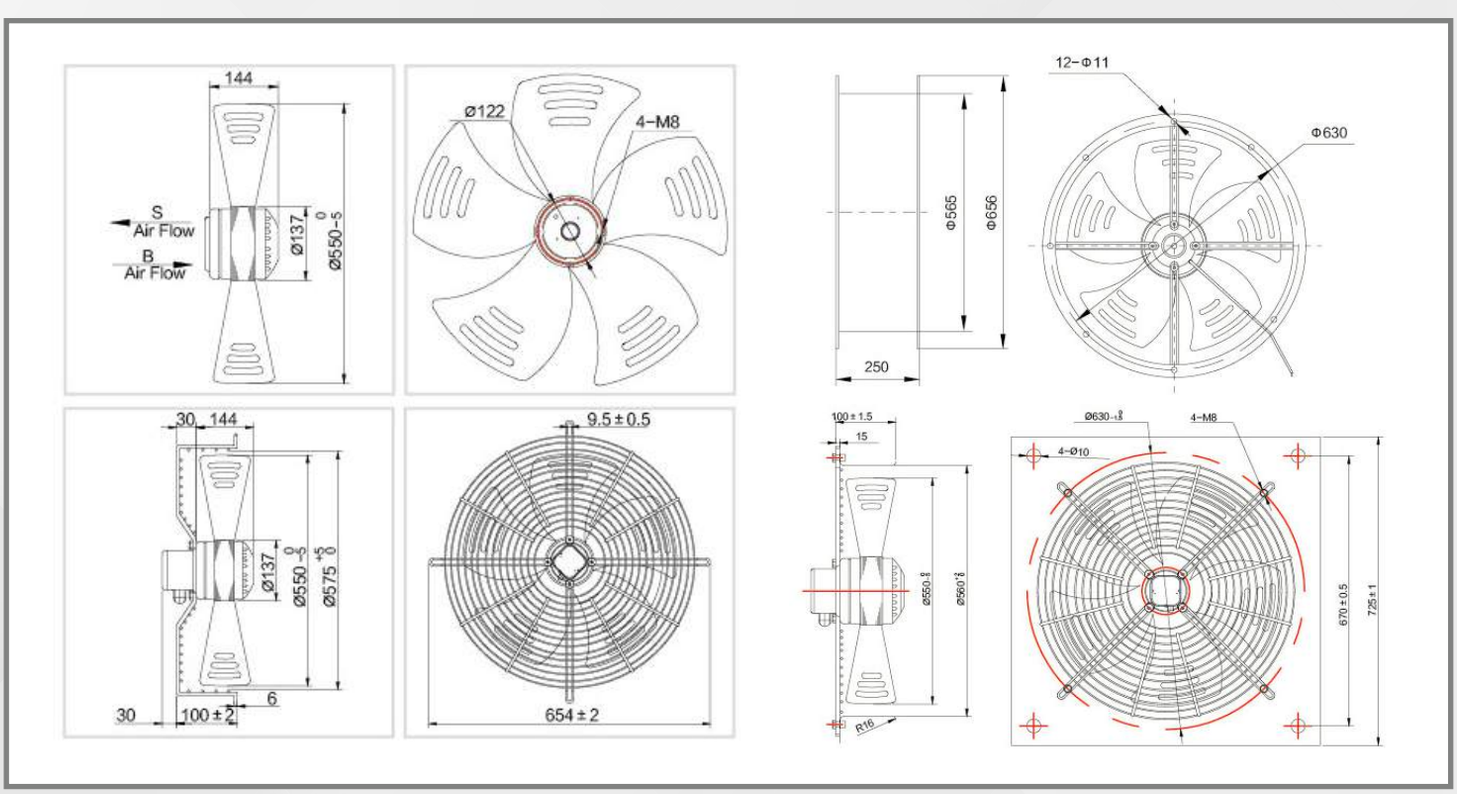

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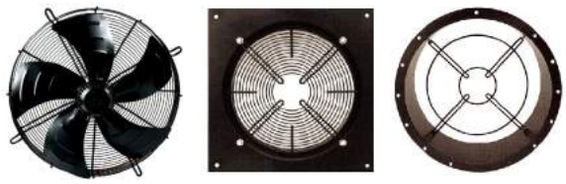
MODEL

SAFE-4D/4E-600

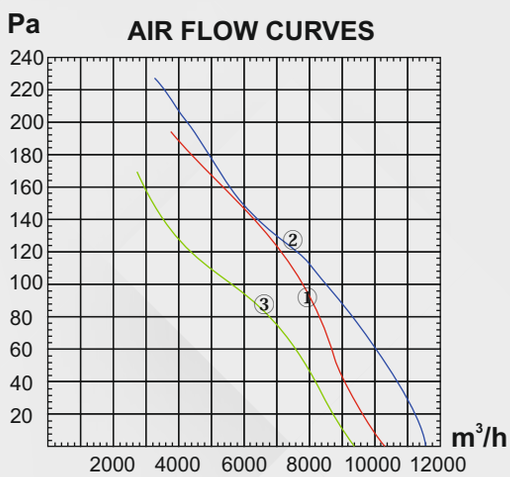
Operating type: S1

Ambient temperature: -30 ° C ~60 ° C

Insulation class: B Class



TYPE	SAFE 4E-600		SAFE 4D-600		SAFE 6E-600	SAFE 6D-600
VOLTAGE V	220		380		220	380
FREQUENCY Hz	50	60	50	60	50	50
RATED CURRENT A	3.20	3.85	1.60	1.80	2.30	1.50
INPUT W	700	800	780	820	480	480
SPEED r/min	1360	1650	1350	1650	900	900
CAPACITOR μF	16	16	/	/	10	/
NET WEIGHT kg	14	14	14	14	14	14
NOISE dBA	74	75	75	75	70	69
AIR VOLUME m3/h	10250	11580	10230	11660	9250	9380
CURVE	①	②	①	②	③	



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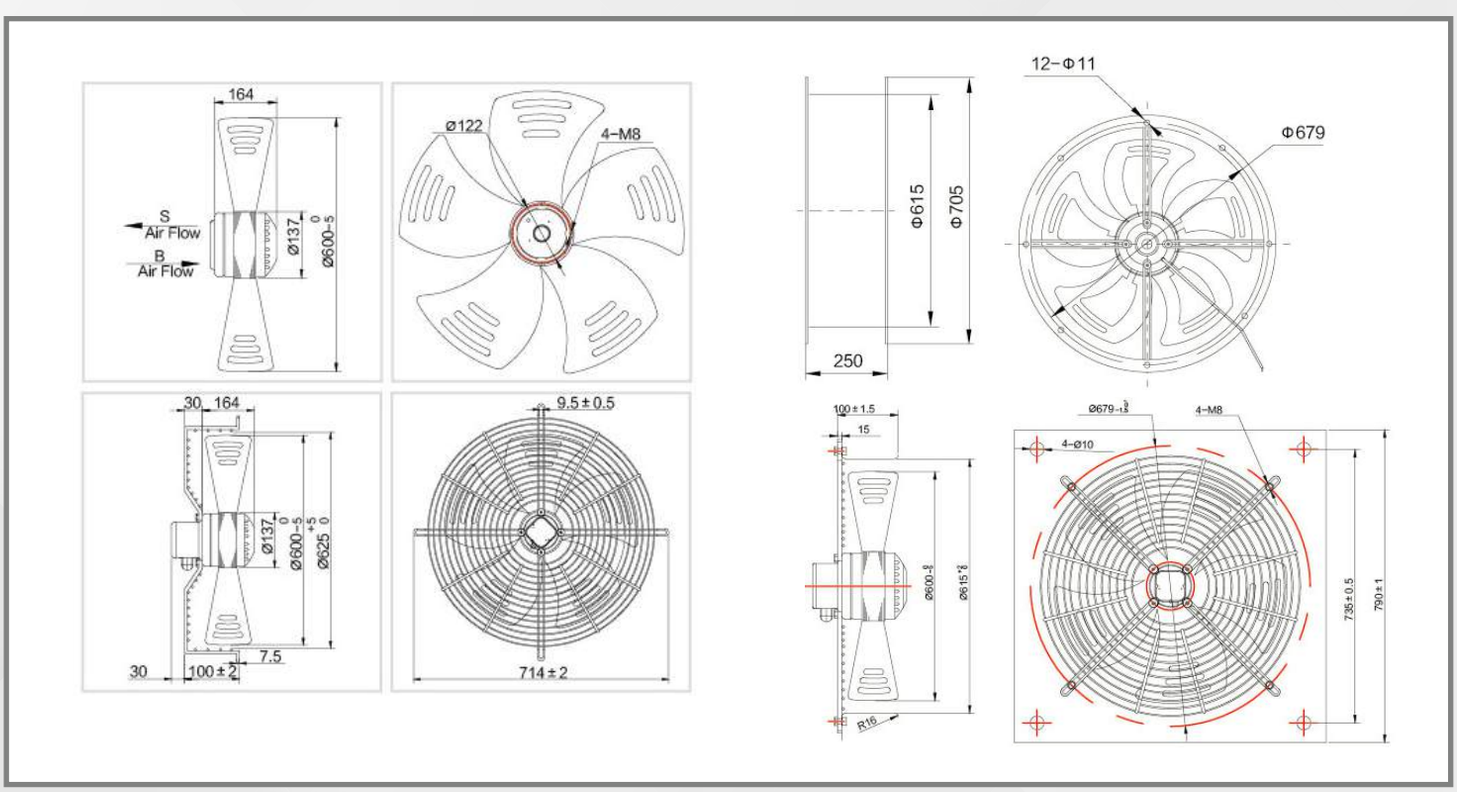

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MODEL

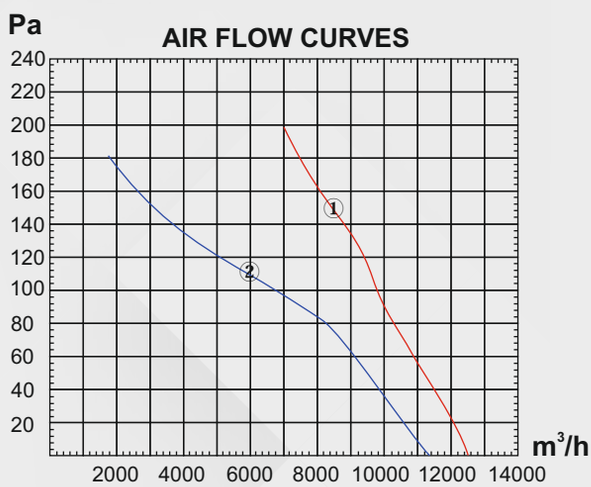
SAFE-4D/4E-630

Operating type: S1

Ambient temperature: -30 ° C ~60 ° C

Insulation class: B Class

TYPE	SAFE 4E-630	SAFE 4D-630	SAFE 6E-630	SAFE 6D-630
VOLTAGE V	220	380	220	380
FREQUENCY Hz	50	50	50	50
RATED CURRENT A	3.50	1.60	2.40	1.50
INPUT W	750	800	520	550
SPEED r/min	1360	1360	900	900
CAPACITOR μF	16	/	10	/
NET WEIGHT kg	15.4	15.4	15.4	15.4
NOISE dBA	75	75	71	71
AIR VOLUME m3/h	12560	12610	11380	11460
CURVE	①		②	



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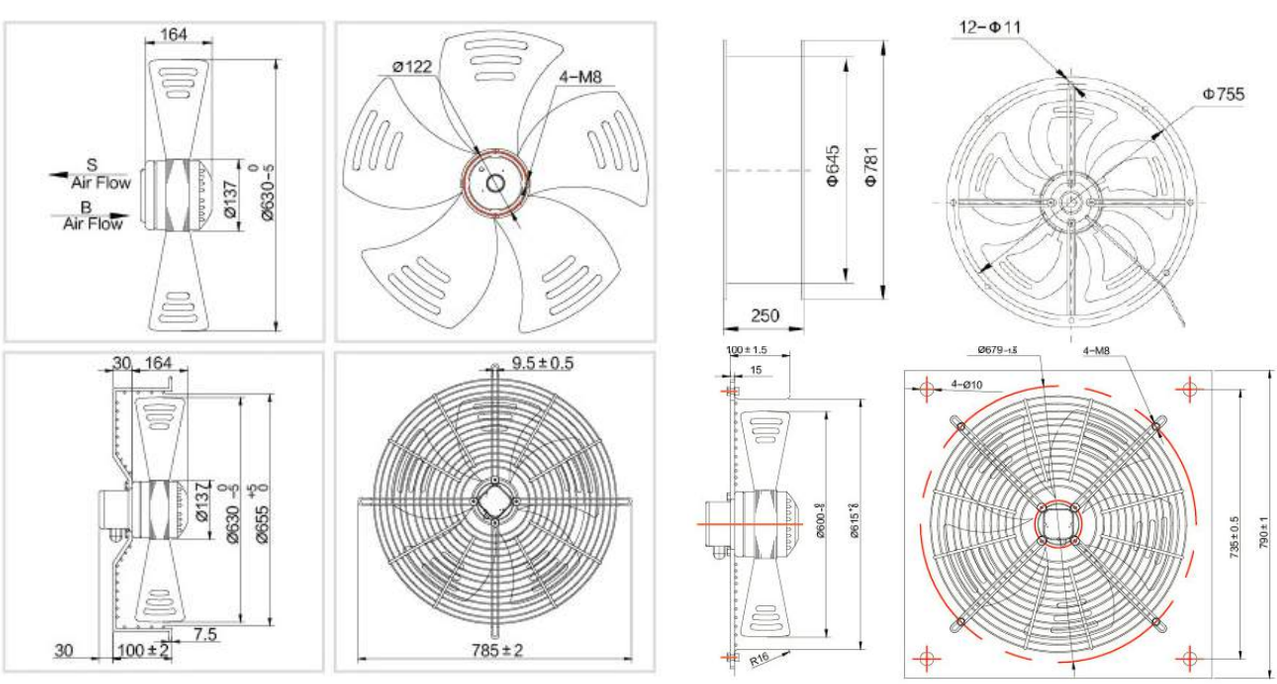

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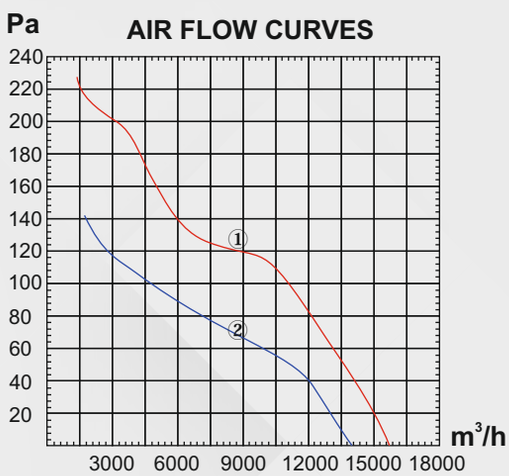
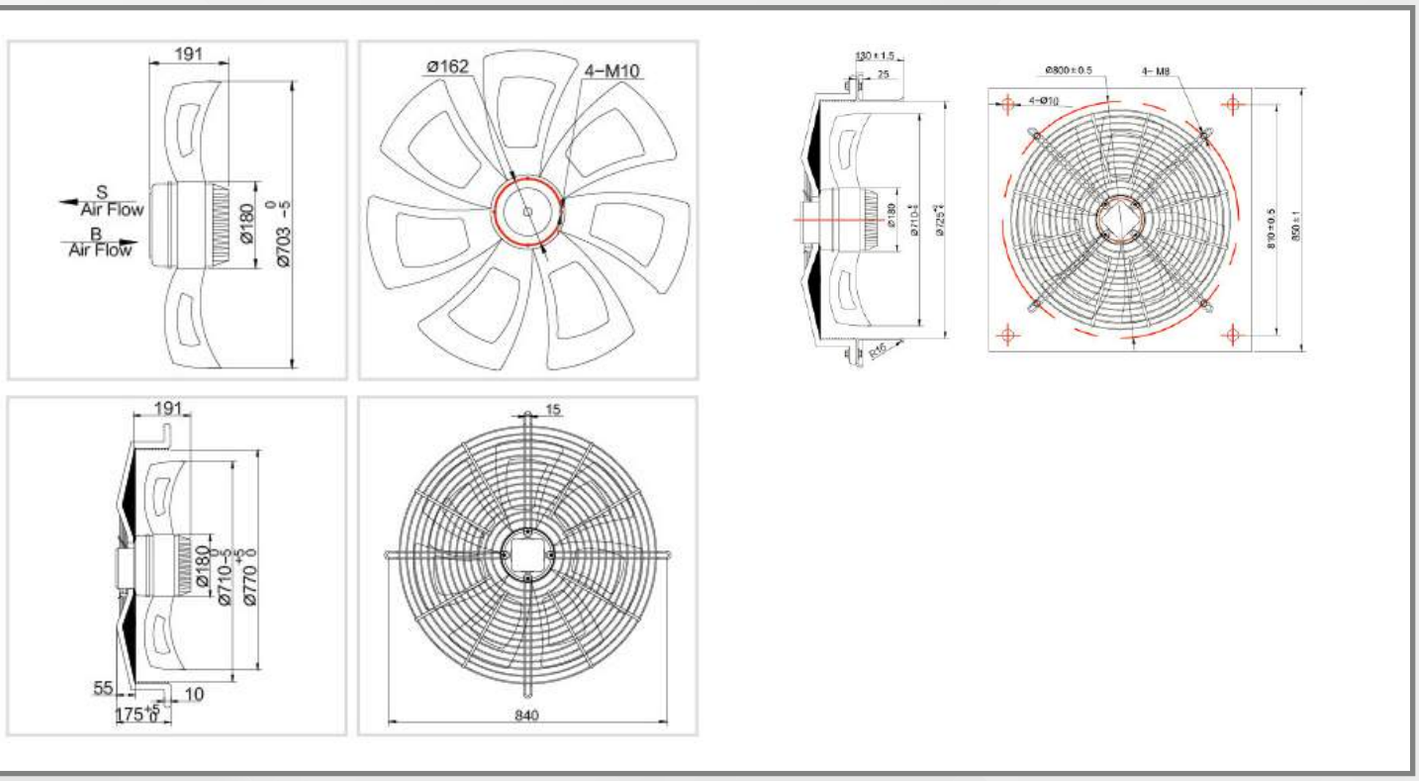
MODEL
SAFE-710

Operating type: S1
Ambient temperature: -30 ° C ~60 ° C
Insulation class: B Class

TYPE	SAFE 6D-710	SAFE 6D-710
VOLTAGE V	380	380-Y
FREQUENCY Hz	50	50
RATED CURRENT A	2.00	1.40
INPUT W	1100	750
SPEED r/min	910	750
CAPACITOR μF	/	/
NET WEIGHT kg	25	25
NOISE dBA	76	73
AIR VOLUME m3/h	15380	13560
CURVE	①	②



DIMENSIONS



trumaxx®
genuine refac parts

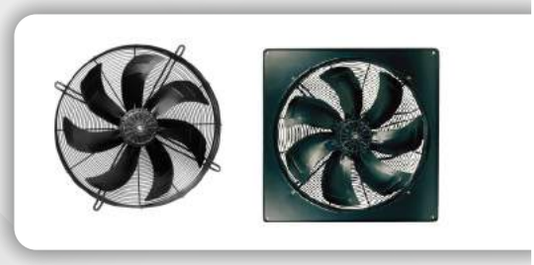
MODEL

SAFE-800

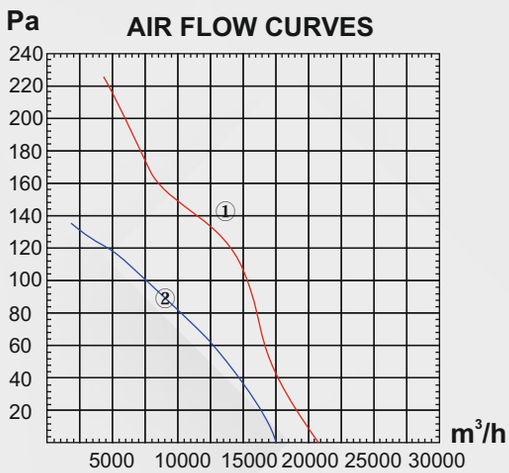
Operating type: S1

Ambient temperature: -30 ° C ~60 ° C

Insulation class: B Class



TYPE	SAFE 6D-800	SAFE 6D-800
VOLTAGE V	380	380-Y
FREQUENCY Hz	50	50
RATED CURRENT A	3.25	1.68
INPUT W	1300	930
SPEED r/min	920	770
CAPACITOR μF	/	/
NET WEIGHT kg	35	35
NOISE dBA	75	74
AIR VOLUME m3/h	21550	17780
CURVE	①	②



DIMENSIONS