



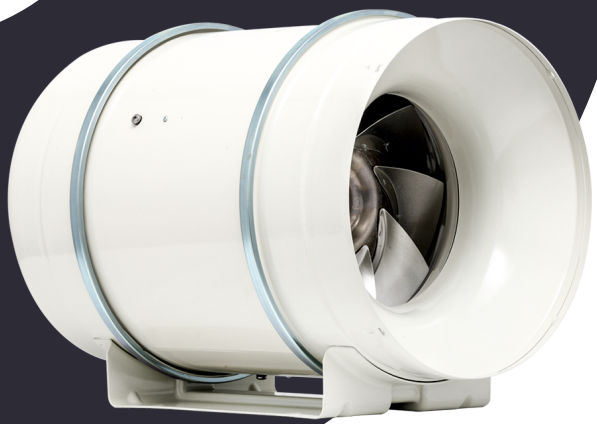
ARES

F300
300°C/2h

F400
400°C/2h



F300



HVAC VENTILATION

FANS SMOKE EXHAUST FANS

www.ares-trafo.com
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ATEX

NOTE:

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Fan Components and Material Properties

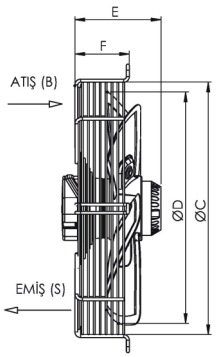
The propeller is manufactured from electrostatic powder coated sheet metal, protective wire and wire mesh electrostatic powder coated steel wire. The propeller is coupled directly to the motor. Protective and carrier wireframe produced in standard connection dimensions.

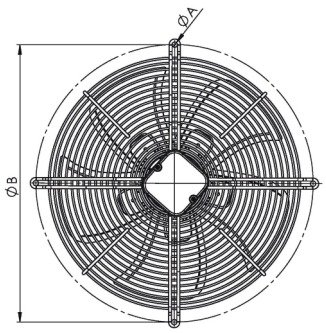
Benefits

With its blower and suction types, the ARSFX cooling fans are designed for high performance, low noise level and longterm maintenance free operation in a variety of applications. Propellers are manufactured in the most ideal angle according to their size and maximum performance is ensured.

TYPE	A	B	C	D	E	F
ARSFX 250	6,5	321	280	250	115	75
ARSFX 300	6,5	360	329	300	115	61
ARSFX 350	6,5	422	374	345	148	88
ARSFX 400	9	470	422	396	146	93
ARSFX 450	9	522	472	444	160	93

Technical Drawing and Tables







TYPE	A	B	C	D	E	F
ARSFX 500	9	565	520	500	170	97
ARSFX 560	9	700	654	552	198	124
ARSFX 630	9	750	700	623	198	142

TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	NSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	W	(A)	(µF)	D/dak	m^3/h	dB(A)	İz. Kl.	IP	

Axial Cooling Fan (B)

ARSF-4M 250 B	230	50/60	50/60	0,22/0,26	2	1400/1670	1000/1190	44	F	54	2,5
ARSF-4M 300 B	230	50/60	72/87	0,32/0,38	2,5	1300/1450	1700/1900	50	F	54	4
ARSFX-4M 300 B	230	50/60	100/120	0,5/0,54	3,5	1450/1710	1900/2240	50	F	54	4
ARSF-4M 350 B	230	50/60	165/195	0,75/0,85	4	1380/1545	3300/3700	55	F	54	4,7
ARSF-4M 400 B	230	50/60	160/220	0,75/1,1	5	1400/1650	4000/4700	58	F	54	6,1
ARSF-4M 450 B	230	50/60	245/355	1,2/1,6	8	1400/1600	5700/6500	63	F	54	6,9
ARSFX-6M 450 B	230	50/60	165/220	0,75/0,95	4	910/1025	4575/5225	55	F	54	6,9
ARSF-4M 500 B	230	50/60	450/600	1,98/2,65	10	1300/1450	6900/7700	65	F	55	9,5
ARSFX-4M 500 B	230	50	750	3,28	16	1260	9250	66	F	55	10,5
ARSFX-6M 500 B	230	50/60	220/275	0,99/1,2	6,3	850	6240	58	F	55	10,5
ARSFX-4M 560 B	230	50	1100	4,75	20	1280	11500	68	F	55	15
ARSFX-6M 560 B	230	50	450	2	10	875	8000	62	F	55	15
ARSFX-6M 630 B	230	50	800	3,45	16	850	12000	65	F	55	18
ARSFX-4T 300 B	Y380/△ 220	50/60	90/108	0,29/0,52	-	1450/1710	1900/2240	50	F	54	4
ARSF-4T 350 B	Y380/△ 220	50/60	160/170	0,33/0,58	-	1380/1545	3300/3700	55	F	54	4,7
ARSF-4T 400 B	Y380/△ 220	50/60	140/190	0,47/0,8	-	1400/1650	4000/4700	58	F	54	6,1
ARSF-4T 450 B	Y380/△ 220	50/60	200/285	0,5/0,55	-	1400/1600	5700/6500	63	F	54	6,9
ARSF-4T 500 B	380 △/ Y	50	425/250	0,87/0,45	-	1300/1000	6900/5300	65	F	55	9,5
ARSFX-4T 500 B	380 △/ Y	50	800/550	1,6/0,95	-	1260/1000	9250/7340	66	F	55	10,5
ARSFX-8T 500 B	380 △/ Y	50/60	150/85	0,40/0,15	-	650/550	4770/4040	52	F	55	10,5
ARSFX-4T 560 B	380 △/ Y	50	1200/800	2,6/1,5	-	1325/1050	12000/9500	68	F	55	15
ARSFX-6T 560 B	380 △/ Y	50	500/300	1/0,5	-	875/650	8000/5950	62	F	55	15
ARSFX-6T 630 B	380 △/ Y	50	850/550	1,75/1,25	-	850/600	12000/8500	65	F	55	18

Axial Cooling Fan (S)

ARSF-4M 250 S	230	50/60	50/60	0,22/0,26	2	1400/1670	1000/1190	44	F	54	2,5
ARSF-4M 300 S	230	50/60	72/87	0,32/0,38	2,5	1300/1450	1700/1900	50	F	54	4
ARSFX-4M 300 S	230	50/60	100/120	0,5/0,54	3,5	1450/1710	1900/2240	50	F	54	4
ARSF-4M 350 S	230	50/60	165/195	0,75/0,85	4	1380/1545	3300/3700	55	F	54	4,7
ARSF-4M 400 S	230	50/60	160/220	0,75/1,1	5	1400/1650	4000/4700	58	F	54	6,1
ARSF-4M 450 S	230	50/60	245/355	1,2/1,6	8	1400/1600	5700/6500	63	F	54	6,9
ARSFX-6M 450 S	230	50/60	165/220	0,75/0,95	4	910/1025	4575/5225	55	F	54	6,9
ARSF-4M 500 S	230	50/60	450/600	1,98/2,65	10	1300/1450	6900/7700	65	F	55	9,5
ARSFX-4M 500 S	230	50	750	3,28	16	1260	9250	66	F	55	10,5
ARSFX-6M 500 S	230	50/60	220/275	0,99/1,2	6,3	850	6240	58	F	55	10,5
ARSFX-4M 560 S	230	50	1100	4,75	20	1280	11500	68	F	55	15
ARSFX-6M 560 S	230	50	450	2	10	875	8000	62	F	55	15
ARSFX-6M 630 S	230	50	800	3,45	16	850	12000	65	F	55	18
ARSFX-4T 300 S	Y380/△ 220	50/60	90/108	0,29/0,52	-	1450/1710	1900/2240	50	F	54	4
ARSF-4T 350 S	Y380/△ 220	50/60	160/170	0,33/0,58	-	1380/1545	3300/3700	55	F	54	4,7
ARSF-4T 400 S	Y380/△ 220	50/60	140/190	0,47/0,8	-	1400/1650	4000/4700	58	F	54	6,1
ARSF-4T 450 S	Y380/△ 220	50/60	200/285	0,5/0,55	-	1400/1600	5700/6500	63	F	54	6,9
ARSF-4T 500 S	380 △/ Y	50	425/250	0,87/0,45	-	1300/1000	6900/5300	65	F	55	9,5
ARSFX-4T 500 S	380 △/ Y	50	800/550	1,6/095	-	1260/1000	9250/7340	66	F	55	10,5
ARSFX-8T 500 S	380 △/ Y	50/60	150/85	0,40/0,15	-	650/550	4770/4040	52	F	55	10,5
ARSFX-4T 560 S	380 △/ Y	50	1200/800	2,6/1,5	-	1325/1050	12000/9500	68	F	55	15
ARSFX-6T 560 S	380 △/ Y	50	500/300	1/0,5	-	875/650	8000/5950	62	F	55	15
ARSFX-6T 630 S	380 △/ Y	50	850/550	1,75/1,25	-	850/600	12000/8500	65	F	55	18

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Axial tube fans are used in pressurization fan, fresh air fan and smoke exhaust fan applications. The fan sleeve is fire resistant and designed according to the noise standard. Smoke evacuation fans are fire resistant. Smoke discharge fans can be installed vertically and horizontally according to the characteristics of the structure.

General Features



- EN 12101-3 and CE certificates.
- 2 hours continuous operation at 400 C and 300 C
- There is a wide product range from 400 mm to 1250 mm.

Rotor Features

- Fire resistant aluminum alloy casting blades and dan hub.
- It is capable of one way and two way operation. The blades are specially designed according to each direction type.
- There is no aerodynamic loss in the case of reversible wing type operation.
- Wings are airfoil and provide high aerodynamic performance in both unidirectional and bidirectional vanes.
- Wing angles are adjustable. In this way, smoke discharge fans can be demanded at different flow rates and pressures.
- The fan part of the fan is balanced dynamically to ISO 1940 and there is no eccentricity during the operation of the fan.

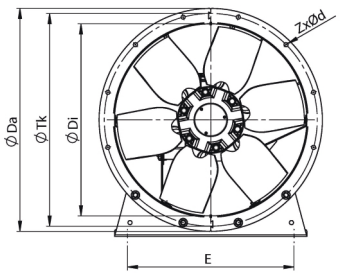
Motor Features

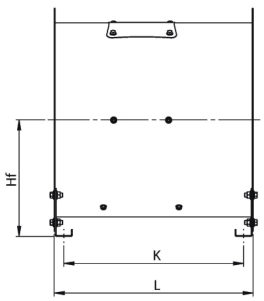
- Offers 2.4 and 6-pole motors.
- The motors are IP 55-IP66 class and Class-H insulated.
- All Electric motor models are approved for continuous operation (S1) and Emergency operation (S2).

Usage Areas

They are the fans that provide the combustion of toxic gases that are supplied by the jet fans to the external environment. Axial fans are used in pressurization fan, fresh air fan and smoke exhaust fan applications.

Technical Drawing and Tables





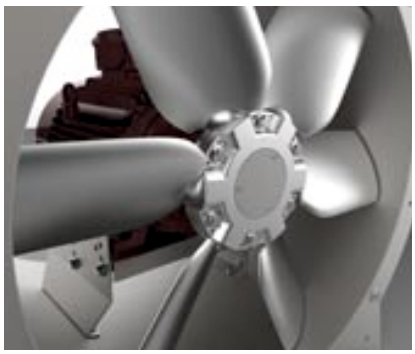
F300 300°C/2h

F400 400°C/2h

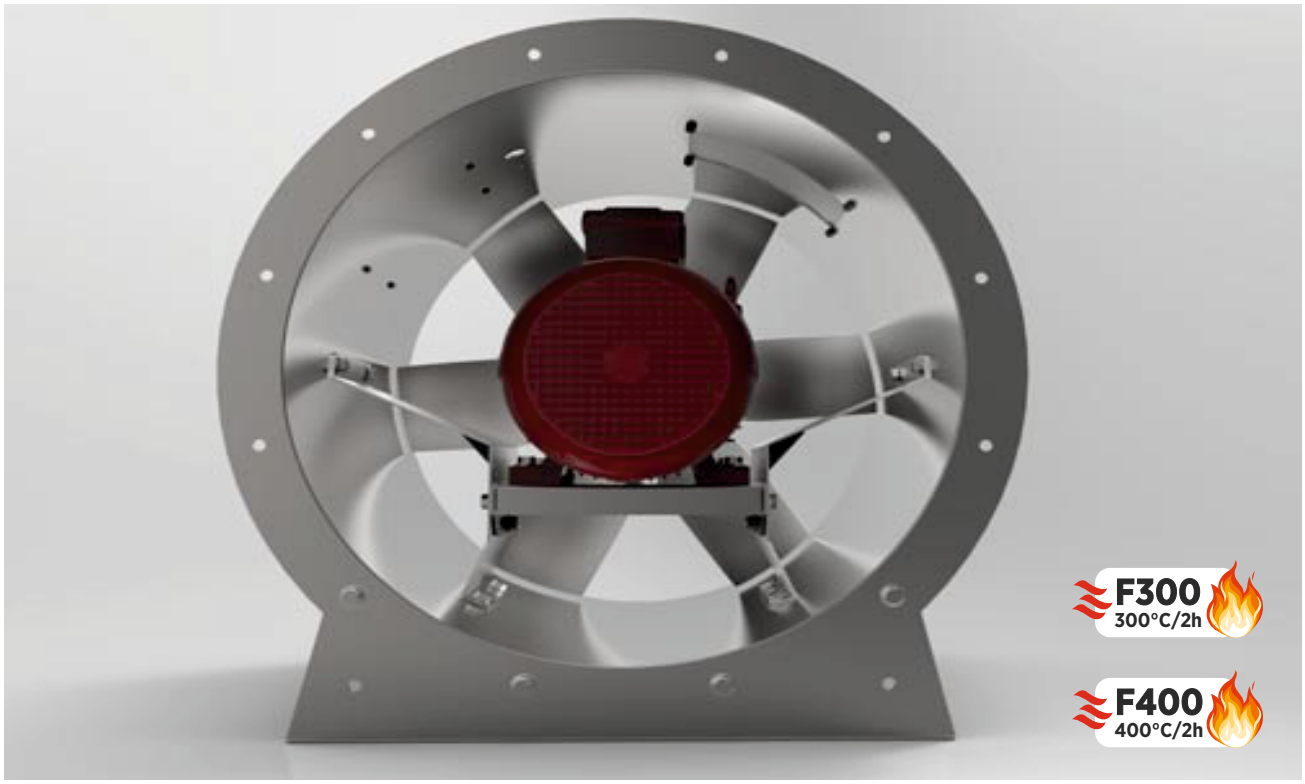


TYPE	ØDİ	ØDA	ØTk	ZXØd	L	Hf	K	E
ARS-YDF AXIAL 400	400	480	450	8XØ12	474	255	420	335
ARS-YDF AXIAL 450	450	530	500	8XØ12	474	280	420	385
ARS-YDF AXIAL 500	500	590	560	12XØ12	580	310	524	425
ARS-YDF AXIAL 560	560	650	620	12XØ12	580	340	524	485
ARS-YDF AXIAL 630	630	720	690	12XØ12	600	375	544	555
ARS-YDF AXIAL 710	710	800	770	16XØ12	600	420	544	595
ARS-YDF AXIAL 800	800	890	860	16XØ12	700	470	634	625
ARS-YDF AXIAL 900	900	1005	970	16X^5	775	527	697	675
ARS-YDF AXIAL 1000	1000	1105	1070	16X^5	850	577	772	775
ARS-YDF AXIAL 1250	1250	1390	1320	20XØ15	949	720	861	950









TYPE 2 POLE	SPEED	DIAMETER	POWER	CURRENT	FLOW	WING ANGLE
	r.p.m	mm	KW	230V-400V	m^3/h	
ARS - YDF AXIAL / 400-6 / 0,75 - 2A	2900	400	0,75	1,6	5250	16°
ARS - YDF AXIAL / 400-6 / 1,1 - 2A	2900	400	1,1	2,3	6904	22°
ARS - YDF AXIAL / 400-6 / 1,5 - 2A	2900	400	1,5	3,4	8978	30°
ARS - YDF AXIAL / 400-6 / 2,2 - 2A	2900	400	2,2	4,48	9975	34°
ARS - YDF AXIAL / 450-6 / 1,1 - 2A	2900	450	1,1	2,3	6248	10°
ARS - YDF AXIAL / 450-6 / 1,5 - 2A	2900	450	1,5	3,4	8610	16°
ARS - YDF AXIAL / 450-6 / 2,2 - 2A	2900	450	2,2	4,48	11970	24°
ARS - YDF AXIAL / 450-6 / 3,0 - 2A	2900	450	3	6	13545	28°
ARS - YDF AXIAL / 500-6 / 2,2 - 2A	2900	500	2,2	4,48	11000	14°
ARS - YDF AXIAL / 500-6 / 3,0 - 2A	2900	500	3	6	14595	20°
ARS - YDF AXIAL / 500-6 / 4,0 - 2A	2900	500	4	7,4	17325	26°
ARS - YDF AXIAL / 500-6 / 5,5 - 2A	2900	500	5,5	11	18375	28°
ARS - YDF AXIAL / 560-6 / 4,0 - 2A	2900	560	4	7,4	17850	14°
ARS - YDF AXIAL / 560-6 / 5,5 - 2A	2900	560	5,5	11	22313	20°
ARS - YDF AXIAL / 560-6 / 7,5 - 2A	2800	560	7,5	13,6	25725	24°
ARS - YDF AXIAL / 630-6 / 5,5 - 2A	2900	630	5,5	11	20475	10°
ARS - YDF AXIAL / 630-6 / 7,5 - 2A	2800	630	7,5	13,6	27300	16°

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TYPE 4 POLE	SPEED	DIAMETER	POWER	CURRENT	FLOW	WING ANGLE
	r.p.m	mm	KW	230V-400V	m^3/h	
ARS - YDF AXIAL / 500-6 / 0,55 - 4A	1415	500	0,55	1,6	8715	26
ARS - YDF AXIAL / 500-6 / 0,75 - 4A	1350	500	0,75	2,1	10290	32
ARS - YDF AXIAL / 500-6 / 1,1 - 4A	1400	500	1,1	2,6	12600	38
ARS - YDF AXIAL / 560-6 / 0,55 - 4A	1415	560	0,55	1,6	9870	16
ARS - YDF AXIAL / 560-6 / 0,75 - 4A	1350	560	0,75	2,1	12075	22
ARS - YDF AXIAL / 560-6 / 1,1 - 4A	1400	560	1,1	2,6	13860	26
ARS - YDF AXIAL / 560-6 / 1,5 - 4A	1405	560	1,5	3,5	15750	32
ARS - YDF AXIAL / 560-6 / 2,2 - 4A	1410	560	2,2	5	17850	38
ARS - YDF AXIAL / 630-6 / 0,75 - 4A	1350	630	0,75	2,1	10605	10
ARS - YDF AXIAL / 630-6 / 1,1 - 4A	1400	630	1,1	2,6	16275	20
ARS - YDF AXIAL / 630-6 / 1,5 - 4A	1405	630	1,5	3,5	18375	24
ARS - YDF AXIAL / 630-6 / 2,2 - 4A	1410	630	2,2	5	21525	30
ARS - YDF AXIAL / 630-6 / 3,0 - 4A	1410	630	3	6,6	24150	36
ARS - YDF AXIAL / 630-6 / 4,0 - 4A	1500	630	4	8,2	25200	38
ARS - YDF AXIAL / 710-3 / 0,75 - 4A	1350	710	0,75	2,1	14175	10
ARS - YDF AXIAL / 710-3 / 1,1 - 4A	1400	710	1,1	2,6	18375	16
ARS - YDF AXIAL / 710-3 / 1,5 - 4A	1405	710	1,5	3,5	21000	20
ARS - YDF AXIAL / 710-3 / 2,2 - 4A	1410	710	2,2	5	24413	26
ARS - YDF AXIAL / 710-3 / 3,0 - 4A	1410	710	3	6,6	27825	32
ARS - YDF AXIAL / 710-6 / 1,1 - 4A	1400	710	1,1	2,6	16275	12
ARS - YDF AXIAL / 710-6 / 1,5 - 4A	1405	710	1,5	3,5	20475	18
ARS - YDF AXIAL / 710-6 / 2,2 - 4A	1410	710	2,2	5	23625	22
ARS - YDF AXIAL / 710-6 / 3,0 - 4A	1410	710	3	6,6	28350	28
ARS - YDF AXIAL / 710-6 / 4,0 - 4A	1415	710	4	8,2	31500	32
ARS - YDF AXIAL / 800-6 / 2,2 - 4A	1410	800	2,2	5	24150	14
ARS - YDF AXIAL / 800-6 / 3,0 - 4A	1410	800	3	6,6	30450	20
ARS - YDF AXIAL / 800-6 / 4,0 - 4A	1415	800	4	8,2	32550	22
ARS - YDF AXIAL / 800-6 / 5,5 - 4A	1430	800	5,5	11,2	38850	28
ARS - YDF AXIAL / 800-6 / 7,5 - 4A	1440	800	7,5	15,4	42525	32
ARS - YDF AXIAL / 800-9 / 2,2 - 4A	1410	800	2,2	5	16275	10
ARS - YDF AXIAL / 800-9 / 3,0 - 4A	1410	800	3	6,6	21525	14
ARS - YDF AXIAL / 800-9 / 4,0 - 4A	1415	800	4	8,2	29400	20
ARS - YDF AXIAL / 800-9 / 5,5 - 4A	1430	800	5,5	11,2	36488	26
ARS - YDF AXIAL / 800-9 / 7,5 - 4A	1440	800	7,5	15,4	40950	30
ARS - YDF AXIAL / 800-9 / 11 - 4A	1450	800	11	21	43050	32
ARS - YDF AXIAL / 900-6 / 4,0 - 4A	1415	900	4	8,2	31500	12
ARS - YDF AXIAL / 900-6 / 5,5 - 4A	1430	900	5,5	11,2	38850	16
ARS - YDF AXIAL / 900-6 / 7,5 - 4A	1440	900	7,5	15,4	47775	22
ARS - YDF AXIAL / 900-6 / 11 - 4A	1450	900	11	21	56700	28
ARS - YDF AXIAL / 900-6 / 15 - 4A	1450	900	15	29,3	60900	32
ARS - YDF AXIAL / 900-9 / 4,0 - 4A	1415	900	4	8,2	26775	10
ARS - YDF AXIAL / 900-9 / 5,5 - 4A	1430	900	5,5	11,2	34125	14
ARS - YDF AXIAL / 900-9 / 7,5 - 4A	1440	900	7,5	15,4	41213	18
ARS - YDF AXIAL / 900-9 / 11 - 4A	1450	900	11	21	54600	26
ARS - YDF AXIAL / 900-9 / 15 - 4A	1450	900	15	29,3	63525	32
ARS - YDF AXIAL / 1000-6 / 5,5 - 4A	1430	1000	5,5	11,2	38850	12
ARS - YDF AXIAL / 1000-6 / 7,5 - 4A	1440	1000	7,5	15,4	47775	18
ARS - YDF AXIAL / 1000-6 / 11 - 4A	1450	1000	11	21	56700	22
ARS - YDF AXIAL / 1000-6 / 15 - 4A	1450	1000	15	29,3	60900	28
ARS - YDF AXIAL / 1000-6 / 18,5 - 4A	1455	1000	18,5	34,5	56700	32
ARS - YDF AXIAL / 1000-9 / 7,5 - 4A	1440	1000	7,5	15,4	43050	12
ARS - YDF AXIAL / 1000-9 / 11 - 4A	1450	1000	11	21	55650	18
ARS - YDF AXIAL / 1000-9 / 15 - 4A	1450	1000	15	29,3	69300	24
ARS - YDF AXIAL / 1000-9 / 18,5 - 4A	1455	1000	18,15	34,5	77700	28
ARS - YDF AXIAL / 1000-9 / 22 - 4A	1460	1000	22	42,5	81900	30
ARS - YDF AXIAL / 1000-9 / 30 -	1460	1000	30	55	86100	32
ARS - YDF AXIAL / 1250-6 / 15 - 4A	1450	1250	15	29,3	90300	12
ARS - YDF AXIAL / 1250-6 / 18,5 - 4A	1455	1250	18,5	34,5	103950	16

TYPE 6 POLE	SPEED	DIAMETER	POWER	CURRENT	FLOW	WING ANGLE
	r.p.m	mm	KW	230V-400V	m^3/h	
ARS - YDF AXIAL / 500-6 / 0,37 - 6A	900	500	0,37	1,1	8400	38
ARS - YDF AXIAL / 560-6 / 0,37 - 6A	900	560	0,37	1,1	10500	32
ARS - YDF AXIAL / 560-6 / 0,55 - 6A	930	560	0,55	1,5	11760	38
ARS - YDF AXIAL / 630-6 / 0,37- 6A	900	630	0,37	1,1	11576	22
ARS - YDF AXIAL / 630-6 / 0,55 - 6A	930	630	0,55	1,5	13650	28
ARS - YDF AXIAL / 630-6 / 0,75 - 6A	945	630	0,75	2	14963	32
ARS - YDF AXIAL / 630-6 / 1,1 - 6A	945	630	1,1	2,9	16800	38
ARS - YDF AXIAL / 710-3 / 0,37 - 6A	900	710	0,37	1,1	13125	18
ARS - YDF AXIAL / 710-3 / 0,55 - 6A	930	710	0,55	1,5	16538	26
ARS - YDF AXIAL / 710-3 / 0,75 - 6A	945	710	0,75	2	18900	32
ARS - YDF AXIAL / 710-6 / 1,1 - 6A	945	710	1,1	2,9	11025	12
ARS - YDF AXIAL / 710-6 / 1,5 - 6A	945	710	1,5	3,6	13000	16
ARS - YDF AXIAL / 710-6 / 2,2 - 6A	950	710	2,2	5,4	13750	22
ARS - YDF AXIAL / 710-6 / 3,0 - 6A	950	710	3	6,9	18900	28
ARS - YDF AXIAL / 710-6 / 4,0 - 6A	955	710	4	9	21000	32
ARS - YDF AXIAL / 800-6 / 0,55 - 6A	930	800	0,55	1,5	13125	10
ARS - YDF AXIAL / 800-6 / 1,1 - 6A	945	800	1,1	2,9	22050	22
ARS - YDF AXIAL / 800-6 / 1,5 - 6A	945	800	1,5	3,6	25200	26
ARS - YDF AXIAL / 800-6 / 2,2 - 6A	950	800	2,2	5,4	28350	32
ARS - YDF AXIAL / 800-9 / 0,75 - 6A	945	800	0,75	2	14700	14
ARS - YDF AXIAL / 800-9 / 1,1 - 6A	945	800	1,1	2,9	19950	20
ARS - YDF AXIAL / 800-9 / 1,5 - 6A	945	800	1,5	3,6	23100	24
ARS - YDF AXIAL / 800-9 / 2,2 - 6A	950	800	2,2	5,4	27300	30
ARS - YDF AXIAL / 800-9 / 3,0 - 6A	950	800	3	6,9	28350	32
ARS - YDF AXIAL / 900-6 / 1,1 - 6A	945	900	1,1	2,9	23100	14
ARS - YDF AXIAL / 900-6 / 1,5 - 6A	945	900	1,5	3,6	25200	16
ARS - YDF AXIAL / 900-6 / 2,2 - 6A	950	900	2,2	5,4	31500	22
ARS - YDF AXIAL / 900-6 / 3,0 - 6A	950	900	3	6,9	36750	28
ARS - YDF AXIAL / 900-6 / 4,0 - 6A	955	900	4	9	40950	32
ARS - YDF AXIAL / 900-9 / 1,5 - 6A	945	900	1,5	3,6	23100	14
ARS - YDF AXIAL / 900-9 / 2,2 - 6A	950	900	2,2	5,4	27300	20
ARS - YDF AXIAL / 900-9 / 3,0 - 6A	950	900	3	6,9	35700	24
ARS - YDF AXIAL / 900-9 / 4,0 - 6A	955	900	4	9	39900	30
ARS - YDF AXIAL / 900-9 / 5,5 - 6A	985	900	5,5	12,3	43050	32
ARS - YDF AXIAL / 1000-6 / 1,5 - 6A	945	1000	1,5	3,6	26250	10
ARS - YDF AXIAL / 1000-6 / 2,2 - 6A	950	1000	2,2	5,4	34650	16
ARS - YDF AXIAL / 1000-6 / 3,0 - 6A	950	1000	3	6,9	44100	22
ARS - YDF AXIAL / 1000-6 / 4,0 - 6A	955	1000	4	9	49350	26
ARS - YDF AXIAL / 1000-6 / 5,5 - 6A	985	1000	5,5	12,3	55650	32
ARS - YDF AXIAL / 1000-9 / 2,2 - 6A	950	1000	2,2	5,4	32550	14
ARS - YDF AXIAL / 1000-9 / 3,0 - 6A	950	1000	3	6,9	39900	20
ARS - YDF AXIAL / 1000-9 / 4,0 - 6A	955	1000	4	9	43050	22
ARS - YDF AXIAL / 1000-9 / 5,5 - 6A	985	1000	5,5	12,3	52500	28
ARS - YDF AXIAL / 1000-9 / 7,5 - 6A	960	1000	5,5	15	57750	32
ARS - YDF AXIAL / 1250-6 / 4,0 - 6A	955	1250	4	9	60900	12
ARS - YDF AXIAL / 1250-6 / 5,5 - 6A	985	1250	5,5	12,3	63300	16
ARS - YDF AXIAL / 1250-6 / 7,5 - 6A	960	1250	7,5	15	76650	20
ARS - YDF AXIAL / 1250-6 / 11 - 6A	960	1250	11	22	92400	26
ARS - YDF AXIAL / 1250-6 / 15 - 6A	965	1250	15	29	105000	32
ARS - YDF AXIAL / 1250-9 / 7,5 - 6A	960	1250	7,5	15	73500	16
ARS - YDF AXIAL / 1250-9 / 11 - 6A	960	1250	11	22	88200	22
ARS - YDF AXIAL / 1250-9 / 15 - 6A	965	1250	15	29	105000	28
ARS - YDF AXIAL / 1250-9 / 18,5 - 6A	970	1250	18,5	36,5	115500	32

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Fan Components and Material Properties

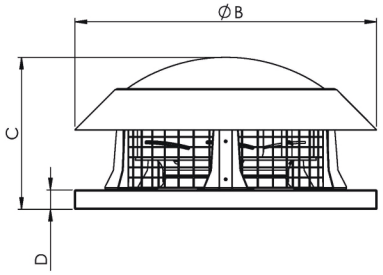
The mouting plate and fan cap of the ARS-CFT series horizontal discharge centrifugal fans are made of electrostatic powder coated sheet metal. The fan wheels of the models ARS-CTF 160-400 are made of high quality galvanized sheet steel which is resistant to corrosion. The fan wheels of the ARS-CTF 450-500-560 models are made of aluminum sheet. All models have an external rotor motor with closed structure. The device is capable of handling air at max. 40°C.

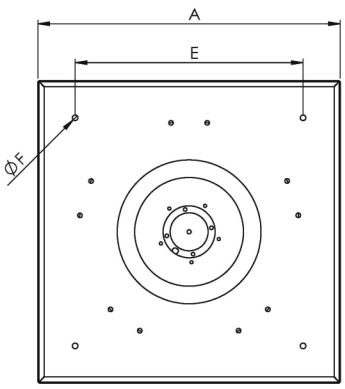
Fan Structure

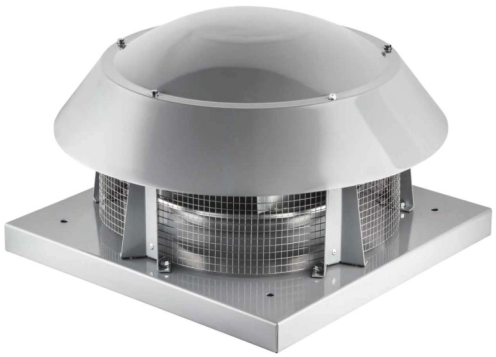
The fan blades are aerodynamically curved and provide regular flow. The fans are composed of backward sloping and infrequently arranged fins.

Technical Drawing and Tables

TYPE	A	B	C	D	E	F
ARS-CTF 160	252	260	140	25	210	6
ARS-CTF 180	252	260	140	25	210	6
ARS-CTF 225	336	386	212	35	274	11
ARS-CTF 250	370	386	225	35	290	11
ARS-CTF 315	454	443	293	40	333	11
ARS-CTF 355	595	595	285	40	450	11
ARS-CTF 400	595	685	355	40	450	12
ARS-CTF 450	664	685	400	40	450	12
ARS-CTF 500	798	824	385	40	600	12
ARS-CTF 560	798	824	400	40	600	12







TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	NSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	W	(A)	(µF)	D/dak	m³/h	dB(A)	İz. Kl.	IP	Kg
ARS-CTF 160	230	50/60	60	0,3	2	2600/3000	346/400	44-36	B	44	3,5
ARS-CTF 180	230	50/60	70/90	0,35/0,43	2,5	2500/2750	460/500	49-41	B	44	3,7
ARS-CTF 225	230	50/60	80/100	0,40/0,50	3	2750/3100	902/1020	50-42	B	44	7
ARS-CTF 250	230	50/60	125/175	0,61/0,91	6	2800/3180	1212/1375	52-44	B	44	8
ARS-CTF 315	230	50/60	130/150	0,8	6	1450/1740	2000/2400	47-39	F	44	12,8
ARS-CTF 355	230	50/60	200/245	1,05	6	1400/1680	2900/3500	46-38	F	44	18
ARS-CTF 400	230	50/60	310/460	1,56/2,27	10	1380/1560	4100/4600	51-43	F	44	22
ARS-CTF 450	230	50/60	430/655	2,2/3,2	10	1370/1525	5400/6000	52-44	F	44	28
ARS-CTF 500	380 △/ Y	50	840/580	1,95/1,12	-	1360/1100	7600/6150	54-46	F	44	45,5
ARS-CTF 560	380 △/ Y	50	1440/840	2,8/1,6	-	1300/950	9800/7150	66-58	F	44	48

The sound level is measured at a distance of 4-10 m in open field condition.

Fan Components and Material Properties

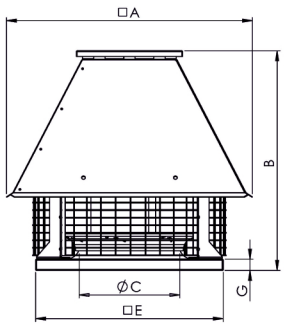
ARS-CTF-2 series vertical centrifugal roof type radial fans Body, mounting plate and models ARS-CTF-2 280-400 fan impellers made of galvanized sheet steel, models of ARS-CTF-2 450-560 fan impellers made of aluminum sheet and models ARS-CTF-2 630-800 made of electrostatic powder coated sheet steel it was. Asynchronous motor is used in all models. The motor is out of airflow. The device is capable of carrying air at max. 120°C.

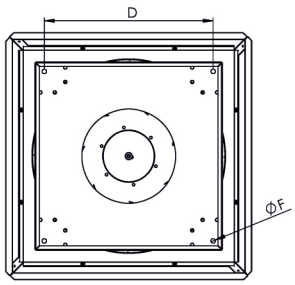
Fan Structure

The fan blades are aerodynamically curved and provide regular flow. The fans are composed of backward sloping and infrequently aligned fins with the insertion technique, while the fan wheels of the models ARS-CTF-2 630-800 are manufactured from the necessity of high strength.

Technical Drawing and Tables

TYPE	A	B	C	D	E	F	G
ARS-CTF-2 280	522	495	165	354	404	10	30
ARS-CTF-2 315	595	555	198	404	454	10	30
ARS-CTF-2 355	656	555	234	450	500	10	30
ARS-CTF-2 400	656	585	268	450	500	12	30
ARS-CTF-2 450	656	616	303	530	580	12	44
ARS-CTF-2 500	766	660	342	590	640	12	44
ARS-CTF-2 560	828	723	380	650	700	12	44
ARS-CTF-2 630	997	922	445	660	730	12	54
ARS-CTF-2 710	1095	991	500	710	780	12	54
ARS-CTF-2 800	1205	1172	542	850	900	12	54







TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	NSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	KW	(A)	(µF)	D/dak	m^3/h	dB(A)	İz. Kl.	IP	Kg
ARS-CTF-2 280M	230	50	0,25	2,1	10	1390	1000	53-45	F	55	35
ARS-CTF-2 315M	230	50	0,25	2,1	10	1380	1950	53-45	F	55	42
ARS-CTF-2 355M	230	50	0,25	2,1	10	1380	2900	55-47	F	55	50
ARS-CTF-2 400M	230	50	0,37	3,4	15	1390	4000	60-52	F	55	55
ARS-CTF-2 450M	230	50	0,55	4,5	20	1365	5550	62-54	F	55	62
ARS-CTF-2 500M	230	50	1,1	7,5	35	1410	8300	64-56	F	55	68
ARS-CTF-2 560M	230	50	2,2	14,2	50	1420	10800	66-58	F	55	75
ARS-CTF-2 280T	380	50	0,25	0,87	-	1380	1000	53-45	F	55	35
ARS-CTF-2 315T	380	50	0,25	0,87	-	1380	1950	53-45	F	55	42
ARS-CTF-2 355T	380	50	0,25	0,87	-	1380	2900	55-47	F	55	50
ARS-CTF-2 400T	380	50	0,37	1,2	-	1390	4000	60-52	F	55	55
ARS-CTF-2 450T	380	50	0,55	1,6	-	1365	5550	62-54	F	55	62
ARS-CTF-2 500T	380	50	1,1	2,6	-	1410	8300	64-56	F	55	68
ARS-CTF-2 560T	380	50	2,2	4,9	-	1420	10800	66-58	F	55	75
ARS-CTF-2 630T	380	50	3	6,6	-	1000	13000	60-52	F	55	127
ARS-CTF-2 710T	380	50	4	8,4	-	1000	15000	63-55	F	55	150
ARS-CTF-2 800T	380	50	7,5	15,4	-	1000	17000	67-59	F	55	216

The sound level is measured at a distance of 4-10 m in open field condition.

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Axial roof fans are used in pressurization fan, fresh air fan and smoke exhaust fan applications. The enclosure is fire resitant and designed according to the noise standard. Smoke evacuation fans are fire resitant.

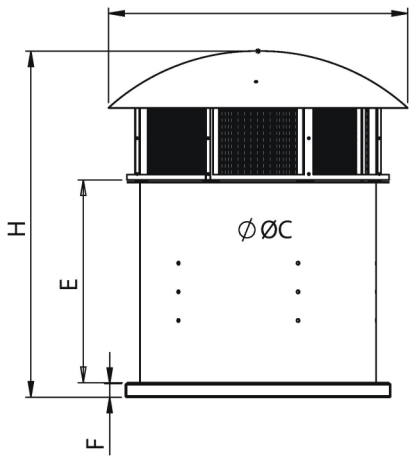
General Features

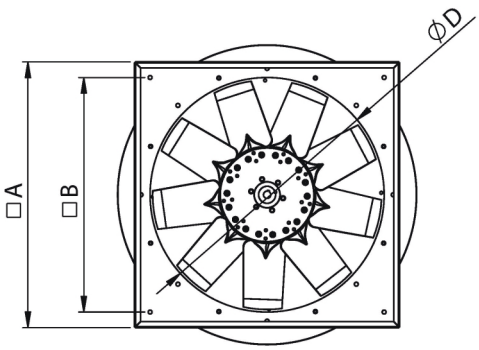
- It has EN 12101-3 and Ce certificates.
- 2 hours continuous operation at 400 C and 300 C
- There is a wide product range from 400 mm to 1250 mm.

Rotor Features

- Fire resistant aluminum alloy casting blades and fan hub.
- Has the ability to work one way and two way. The blades are specially designed according to each direction type.
- There is no aerodynamic loss in the case of reversible wing type operation.
- Wings are airfoil and provide high aerodynamic performance in both unidirectional and bidirectional vanes.
- Wing angles are adjustable. In this way, smoke discharge fans can be demanded at different flow rates and pressures.
- The fan part of the fan is dynamically balanced according to ISO 1940 and there is no eccentricity during the operation of the fan.

Technical Drawing and Tables







F300 300°C/2h F400 400°C/2h

TYPE	A	B	C	D	E	H	F
ARS-CTF-3 400	600	495	702	400	474	880	50
ARS-CTF-3 450	650	545	702	450	474	880	50
ARS-CTF-3 500	650	545	842	500	580	1030	50
ARS-CTF-3 560	685	605	842	560	580	1030	50
ARS-CTF-3 630	780	637	1130	630	600	1160	50
ARS-CTF-3 710	830	710	1130	800	700	1300	50
ARS-CTF-3 800	920	800	1130	800	700	1300	50
ARS-CTF-3 900	1020	900	1130	900	775	1375	50
ARS-CTF-3 1000	1130	1030	1430	1000	850	1450	50
ARS-CTF-3 1250	1430	1350	1430	1250	950	1550	50



TYPE 2 POLE	SPEED	DIAMETER	POWER	CURRENT	FLOW	WING ANGLE
	r.p.m	mm	KW	230V-400V	m^3/h	
ARS-CTF-3 / 400-6 / 0,75-2A	2900	400	0,75	1,6	5250	16°
ARS-CTF-3 / 400-6 / 1,1 -2A	2900	400	1,1	2,3	6904	22°
ARS-CTF-3 / 400-6 / 1,5 -2A	2900	400	1,5	3,4	8978	30°
ARS-CTF-3 / 400-6 / 2,2-2A	2900	400	2,2	4,48	9975	34°
ARS-CTF-3 / 450-6 / 1,1-2A	2900	450	1,1	2,3	6248	10°
ARS-CTF-3 / 450-6 / 1,5-2A	2900	450	1,5	3,4	8610	16°
ARS-CTF-3 / 450-6 / 2,2-2A	2900	450	2,2	4,48	11970	24°
ARS-CTF-3 / 450-6 / 3,0-2A	2900	450	3	6	13545	28°
ARS-CTF-3 / 500-6 / 2,2-2A	2900	500	2,2	4,48	11000	14°
ARS-CTF-3 / 500-6 / 3,0-2A	2900	500	3	6	14595	20°
ARS-CTF-3 / 500-6 / 4-2A	2900	500	4	7,4	17325	26°
ARS-CTF-3 / 500-6 / 5,5-2A	2900	500	5,5	11	18375	28°
ARS-CTF-3 / 560-6 / 4-2A	2900	560	4	7,4	17850	14°
ARS-CTF-3 / 560-6 / 5,5-2A	2900	560	5,5	11	22313	20°
ARS-CTF-3 / 560-6 / 7,5-2A	2800	560	7,5	13,6	25725	24°
ARS-CTF-3 / 630-6 / 5,5-2A	2900	630	5,5	11	20475	10°
ARS-CTF-3 / 630-6 / 7,5-2A	2800	630	7,5	13,6	27300	16°

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TYPE 4 POLE	SPEED	DIAMETER	POWER	CURRENT	FLOW	WING ANGLE
	r.p.m	mm	KW	230V-400V	m^3/h	
ARS - CTF-3 / 500-6 / 0,55 - 4A	1415	500	0,55	1,6	8715	26
ARS - CTF-3 / 500-6 / 0,75 - 4A	1350	500	0,75	2,1	10290	32
ARS - CTF-3 / 500-6 / 1,1 - 4A	1400	500	1,1	2,6	12600	38
ARS - CTF-3 / 560-6 / 0,55 - 4A	1415	560	0,55	1,6	9870	16
ARS - CTF-3 / 560-6 / 0,75 - 4A	1350	560	0,75	2,1	12075	22
ARS - CTF-3 / 560-6 / 1,1 - 4A	1400	560	1,1	2,6	13860	26
ARS - CTF-3 / 560-6 / 1,5 - 4A	1405	560	1,5	3,5	15750	32
ARS - CTF-3 / 560-6 / 2,2 - 4A	1410	560	2,2	5	17850	38
ARS - CTF-3 / 630-6 / 0,75 - 4A	1350	630	0,75	2,1	10605	10
ARS - CTF-3 / 630-6 / 1,1 - 4A	1400	630	1,1	2,6	16275	20
ARS - CTF-3 / 630-6 / 1,5 - 4A	1405	630	1,5	3,5	18375	24
ARS - CTF-3 / 630-6 / 2,2 - 4A	1410	630	2,2	5	21525	30
ARS - CTF-3 / 630-6 / 3 - 4A	1410	630	3	6,6	24150	36
ARS - CTF-3 / 630-6 / 4 - 4A	1500	630	4	8,2	25200	38
ARS - CTF-3 / 710-3 / 0,75 - 4A	1350	710	0,75	2,1	14175	10
ARS - CTF-3 / 710-3 / 1,1 - 4A	1400	710	1,1	2,6	18375	16
ARS - CTF-3 / 710-3 / 1,5 - 4A	1405	710	1,5	3,5	21000	20
ARS - CTF-3 / 710-3 / 2,2 - 4A	1410	710	2,2	5	24413	26
ARS - CTF-3 / 710-3 / 3 - 4A	1410	710	3	6,6	27825	32
ARS - CTF-3 / 710-6 / 1,1 - 4A	1400	710	1,1	2,6	16275	12
ARS - CTF-3 / 710-6 / 1,5 - 4A	1405	710	1,5	3,5	20475	18
ARS - CTF-3/ 710-6 / 2,2 - 4A	1410	710	2,2	5	23625	22
ARS - CTF-3 / 710-6 / 3 - 4A	1410	710	3	6,6	28350	28
ARS - CTF-3 / 710-6 / 4 - 4A	1415	710	4	8,2	31500	32
ARS - CTF-3 / 800-6 / 2,2 - 4A	1410	800	2,2	5	24150	14
ARS - CTF-3 / 800-6 / 3 - 4A	1410	800	3	6,6	30450	20
ARS - CTF-3 / 800-6 / 4 - 4A	1415	800	4	8,2	32550	22
ARS - CTF-3 / 800-6 / 5,5 - 4A	1430	800	5,5	11,2	38850	28
ARS - CTF-3 / 800-6 / 7,5 - 4A	1440	800	7,5	15,4	42525	32
ARS - CTF-3 / 800-9 / 2,2 - 4A	1410	800	2,2	5	16275	10
ARS - CTF-3 / 800-9 / 3 - 4A	1410	800	3	6,6	21525	14
ARS - CTF-3 / 800-9 / 4 - 4A	1415	800	4	8,2	29400	20
ARS - CTF-3 / 800-9 / 5,5 - 4A	1430	800	5,5	11,2	36488	26
ARS - CTF-3 / 800-9 / 7,5 - 4A	1440	800	7,5	15,4	40950	30
ARS - CTF-3 / 800-9 / 11 - 4A	1450	800	11	21	43050	32
ARS - CTF-3 / 900-6 / 4 - 4A	1415	900	4	8,2	31500	12
ARS - CTF-3 / 900-6 / 5,5 - 4A	1430	900	5,5	11,2	38850	16
ARS - CTF-3 / 900-6 / 7,5 - 4A	1440	900	7,5	15,4	47775	22
ARS - CTF-3 / 900-6 / 11 - 4A	1450	900	11	21	56700	28
ARS - CTF-3 / 900-6 / 15 - 4A	1450	900	15	29,3	60900	32
ARS - CTF-3 / 900-9 / 4 - 4A	1415	900	4	8,2	26775	10
ARS - CTF-3 / 900-9 / 5,5 - 4A	1430	900	5,5	11,2	34125	14
ARS - CTF-3 / 900-9 / 7,5 - 4A	1440	900	7,5	15,4	41213	18
ARS - CTF-3 / 900-9 / 11 - 4A	1450	900	11	21	54600	26
ARS - CTF-3 / 900-9 / 15 - 4A	1450	900	15	29,3	63525	32
ARS - CTF-3 / 1000-6 / 5,5 - 4A	1430	1000	5,5	11,2	38850	12
ARS - CTF-3 / 1000-6 / 7,5 - 4A	1440	1000	7,5	15,4	47775	18
ARS - CTF-3 / 1000-6 / 11 - 4A	1450	1000	11	21	56700	22
ARS - CTF-3 / 1000-6 / 15 - 4A	1450	1000	15	29,3	60900	28
ARS - CTF-3 / 1000-6 / 18,5 - 4A	1455	1000	18,5	34,5	56700	32
ARS - CTF-3 / 1000-9 / 7,5 - 4A	1440	1000	7,5	15,4	43050	12
ARS - CTF-3 / 1000-9 / 11 - 4A	1450	1000	11	21	55650	18
ARS - CTF-3/ 1000-9 / 15 - 4A	1450	1000	15	29,3	69300	24
ARS - CTF-3 / 1000-9 / 18,5 - 4A	1455	1000	18,5	34,5	77700	28
ARS - CTF-3 / 1000-9 / 22 - 4A	1460	1000	22	42,5	81900	30
ARS - CTF-3 / 1000-9 / 30 - 4A	1460	1000	30	55	86100	32
ARS - CTF-3 / 1250-6 / 15 - 4A	1450	1250	15	29,3	90300	12
ARS - CTF-3 / 1250-6 / 18,5 - 4A	1455	1250	18,5	34,5	103950	16

TYPE 6 POLE	SPEED	DIAMETER	POWER	CURRENT	FLOW	WING ANGLE
	r.p.m	mm	KW	230V-400V	m^3/h	
ARS - CTF-3 / 500-6 / 0,37 - 6A	900	500	0,37	1,1	8400	38
ARS - CTF-3 / 560-6 / 0,37 - 6A	900	560	0,37	1,1	10500	32
ARS - CTF-3 / 560-6 / 0,55 - 6A	930	560	0,55	1,5	11760	38
ARS - CTF-3 / 630-6 / 0,37- 6A	900	630	0,37	1,1	11576	22
ARS - CTF-3 / 630-6 / 0,55 - 6A	930	630	0,55	1,5	13650	28
ARS - CTF-3 / 630-6 / 0,75 - 6A	945	630	0,75	2	14963	32
ARS - CTF-3 / 630-6 / 1,1 - 6A	945	630	1,1	2,9	16800	38
ARS - CTF-3 / 710-3 / 0,37 - 6A	900	710	0,37	1,1	13125	18
ARS - CTF-3 / 710-3 / 0,55 - 6A	930	710	0,55	1,5	16538	26
ARS - CTF-3 / 710-3 / 0,75 - 6A	945	710	0,75	2	18900	32
ARS - CTF-3 / 710-6 / 1,1 - 6A	945	710	1,1	2,9	11025	12
ARS - CTF-3 / 710-6 / 1,5 - 6A	945	710	1,5	3,6	13000	16
ARS - CTF-3 / 710-6 / 2,2 - 6A	950	710	2,2	5,4	13750	22
ARS - CTF-3 / 710-6 / 3 - 6A	950	710	3	6,9	18900	28
ARS - CTF-3 / 710-6 / 4 - 6A	955	710	4	9	21000	32
ARS - CTF-3 / 800-6 / 0,55 - 6A	930	800	0,55	1,5	13125	10
ARS - CTF-3 / 800-6 / 1,1 - 6A	945	800	1,1	2,9	22050	22
ARS - CTF-3 / 800-6 / 1,5 - 6A	945	800	1,5	3,6	25200	26
ARS - CTF-3 / 800-6 / 2,2 - 6A	950	800	2,2	5,4	28350	32
ARS - CTF-3 / 800-9 / 0,75 - 6A	945	800	0,75	2	14700	14
ARS - CTF-3 / 800-9 / 1,1 - 6A	945	800	1,1	2,9	19950	20
ARS - CTF-3 / 800-9 / 1,5 - 6A	945	800	1,5	3,6	23100	24
ARS - CTF-3 / 800-9 / 2,2 - 6A	950	800	2,2	5,4	27300	30
ARS - CTF-3 / 800-9 / 3 - 6A	950	800	3	6,9	28350	32
ARS - CTF-3 / 900-6 / 1,1 - 6A	945	900	1,1	2,9	23100	14
ARS - CTF-3 / 900-6 / 1,5 - 6A	945	900	1,5	3,6	25200	16
ARS - CTF-3 / 900-6 / 2,2 - 6A	950	900	2,2	5,4	31500	22
ARS - CTF-3 / 900-6 / 3 - 6A	950	900	3	6,9	36750	28
ARS - CTF-3 / 900-6 / 4 - 6A	955	900	4	9	40950	32
ARS - CTF-3 / 900-9 / 1,5 - 6A	945	900	1,5	3,6	23100	14
ARS - CTF-3 / 900-9 / 2,2 - 6A	950	900	2,2	5,4	27300	20
ARS - CTF-3 / 900-9 / 3 - 6A	950	900	3	6,9	35700	24
ARS - CTF-3 / 900-9 / 4 - 6A	955	900	4	9	39900	30
ARS - CTF-3 / 900-9 / 5,5 - 6A	985	900	5,5	12,3	43050	32
ARS - CTF-3 / 1000-6 / 1,5 - 6A	945	1000	1,5	3,6	26250	10
ARS - CTF-3 / 1000-6 / 2,2 - 6A	950	1000	2,2	5,4	34650	16
ARS - CTF-3 / 1000-6 / 3 - 6A	950	1000	3	6,9	44100	22
ARS - CTF-3 / 1000-6 / 4 - 6A	955	1000	4	9	49350	26
ARS - CTF-3 / 1000-6 / 5,5 - 6A	985	1000	5,5	12,3	55650	32
ARS - CTF-3 / 1000-9 / 2,2 - 6A	950	1000	2,2	5,4	32550	14
ARS - CTF-3 / 1000-9 / 3 - 6A	950	1000	3	6,9	39900	20
ARS - CTF-3 / 1000-9 / 4 - 6A	955	1000	4	9	43050	22
ARS - CTF-3 / 1000-9 / 5,5 - 6A	985	1000	5,5	12,3	52500	28
ARS - CTF-3 / 1000-9 / 7,5 - 6A	960	1000	7,5	15	57750	32
ARS - CTF-3 / 1250-6 / 4 - 6A	955	1250	4	9	60900	12
ARS - CTF-3 / 1250-6 / 5,5 - 6A	985	1250	5,5	12,3	63300	16
ARS - CTF-3 / 1250-6 / 7,5 - 6A	960	1250	7,5	15	76650	20
ARS - CTF-3 / 1250-6 / 11 - 6A	960	1250	11	22	92400	26
ARS - CTF-3 / 1250-6 / 15 - 6A	965	1250	15	29	105000	32
ARS - CTF-3 / 1250-9 / 7,5 - 6A	960	1250	7,5	15	73500	16
ARS - CTF-3 / 1250-9 / 11 - 6A	960	1250	11	22	88200	22
ARS - CTF-3 / 1250-9 / 15 - 6A	965	1250	15	29	105000	28
ARS - CTF-3 / 1250-9 / 18,5 - 6A	970	1250	18,5	36,5	115500	32

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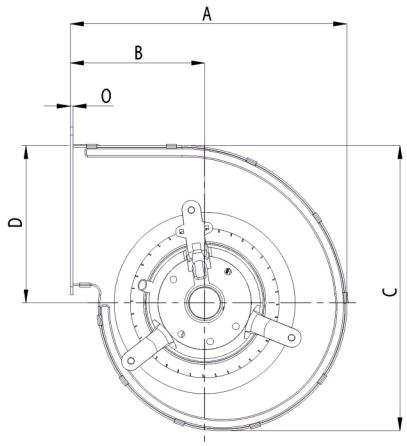
Fan Components and Material Properties

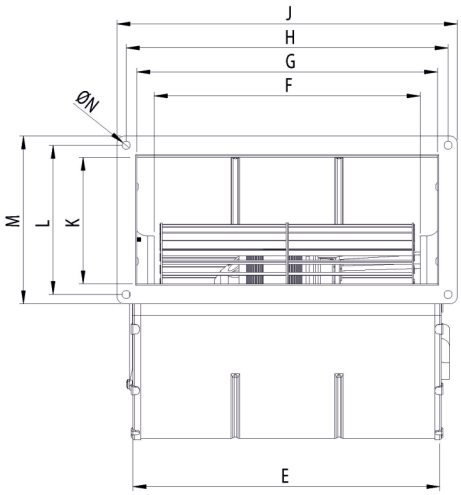
ARS-FC double suction crossflow fans operate at high efficiency and low noise level. Manufactured from high quality galvanized steel resistant to corrosion. The motor and fan impeller are connected to the main body by aluminum carriers. The external rotor motor is used to create a compact structure and the device is max. It is capable of carrying air at a temperature of 40°C.

Fan Structure

The forward sloped fan wheel is made of high quality galvanized steel which is resistant to corrosion and they are manufactured in aerodynamic structure to ensure regular flow. Thanks to its aerodynamic wing structure, it works quietly.

TYPE	A	B	C	D	E	F	G	H	J	K	L	M	N	O
ARS-RFC 133-146	208	101	214	118	231	200	226	242	256	95	112	126	06	2







TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	NSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	W	(A)	(µF)	D/dak	m³/h	dB(A)	İz. Kl.	IP	Kg
ARS-RFC 133-2K	230	50/60	200/210	0,95/1	4	1300/1150	810/715	56	B	44	4,7
ARS-RFC 133-4K	230	50/60	95/110	0,42/0,49	3	1200/1150	750/720	55	B	44	4,7
ARS-RFC 146-2K	230	50/60	300/355	1,3/1,45	7	2000	1100	63	B	44	5
ARS-RFC 146-4K	230	50/60	95/115	0,42/0,50	3	1000/1130	775/875	62	B	44	5

Fan Components and Material Properties

Fan Body and fan are made of high quality galvanized steel which is resistant to corrosion. DD double suction centrifugal fans operate at high efficiency. It has a self asynchronous motor and is connected to the motor frame by steel carriers.

Fan Structure

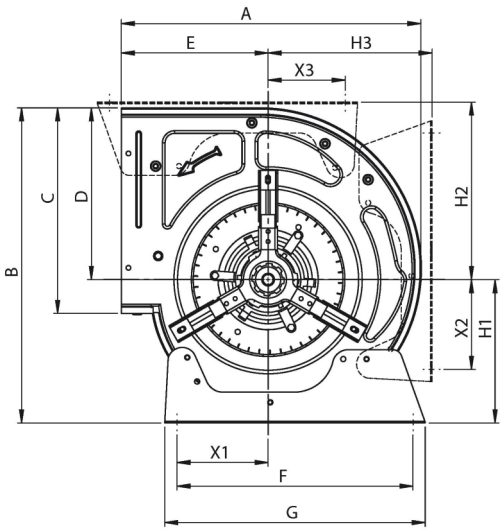
Double suction, forward curved low pressure radial type fan. The fan wheel is made of high quality galvanized steel which is resistant to corrosion and is manufactured in aerodynamic structure to ensure regular flow. Thanks to its aerodynamic wing structure, it works quietly.

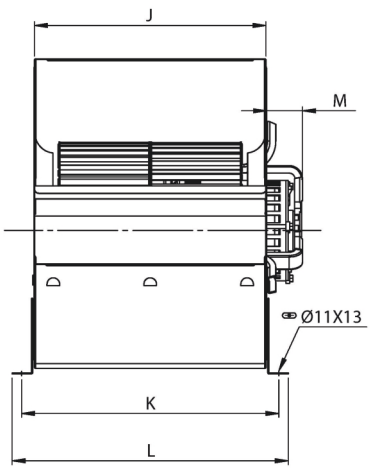
Benefits

It produces high flow rate with its frequent wing structure. It takes less space than fans with belt pulley mechanisms; It is easy to assemble. With the mounting legs, the air shot directions can be adjusted. Adjustable with speed control devices.

Technical Drawing and Tables

TYPE	A	B	C	D	E	F	G	J	K	L	M	H1	H2	H3	X1	X2	X3
ARS-DRFC 7-7	313	333	207	190	154	225	250	236	265	288	55	143	195	167	81	93	73
ARS-DRFC 9-9	381	400	261	218	186	300	330	296	325	350	45	182	245	209	115	115	98
ARS-DRFC 10-10	425	455	290	250	197	339	370	333	361	386	40	206	258	238	139	145	178
ARS-DRFC 12-12	490	535	336	292	229	410	440	398	429	454	35	243	292	270	152	152	186







TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	NSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	W	(A)	(µF)	D/dak	m³/h	dB(A)	İz. Kl.	IP	Kg
ARS-DRFC 7-7	230	50	147	2,2	10	1300	1800	60	B	54	9
ARS-DRFC 9-9	230	50	370	3,6	20	1300	2875	62	B	54	13
ARS-DRFC 10-10	230	50	600	4,2	20	1380	3425	66	B	54	15
ARS-DRFC 12-12	230	50	1100	5,8	30	900	5180	62	B	54	26

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Fan Components and Material Properties

The case and fan are made of high quality galvanized sheet metal pressed against corrosion. All models have a closed external rotor motor and have air transport at 40'de C maximum. The motor can be manufactured with thermal protection against high temperatures on request. The suction and discharge nozzles are compatible with the duct diameters and can be connected with a clamp.

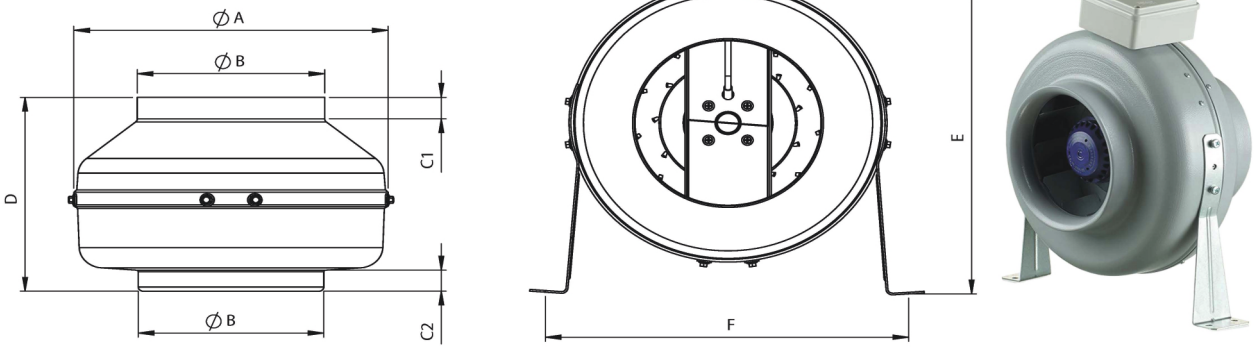
Fan Structure

Designed to work between round ducts. The fan blades are aerodynamically curved and provide regular flow. The fans are composed of backward sloping and infrequently arranged fins.

Benefits

The rotation of the fan on the motor housing saves efficiency and space. It works at optimum sound levels while providing strong air suction. It can be operated in any position. If necessary, it can be mounted on the wall thanks to the mounting legs. Speed can be adjusted with speed control devices.

TYPE	A	B	C1	C2	D	E	F
ARS-KTF 100	245	97	20	20	197	273	268
ARS-KTF 125	245	122	20	20	188	273	268
ARS-KTF 150	272	147	23	25	192	286	295
ARS-KTF 160	272	157	23	25	192	286	295
ARS-KTF 200	330	196	30	28	230	380	352
ARS-KTF 250	330	247	30	28	227	380	352
ARS-KTF 315	400	313	30	30	285	415	422
ARS-KTF 355	400	352	30	30	378	415	422



TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	NSULATION CLASS	PROTECTION CLASS	WEIGHT
	V	Hz	W	(A)	(µF)	D/dak	m^3/h	dB(A)	İz. Kl.	IP	Kg
ARS-KTF 100	230	50/60	60	0,3	2	2610/2960	240/275	44	B	44	2,6
ARS-KTF 125	230	50/60	80	0,4	2,5	2325	315	43	B	44	2,7
ARS-KTF 150	230	50/60	78	0,4	2,5	2450	420	46	B	44	3
ARS-KTF 160	230	50/60	85	0,4	2,5	2550	440	45	B	44	3,2
ARS-KTF 200-A	230	50/60	90	0,43	2,5	2300	735	46	B	44	4,4
ARS-KTF 200-B	230	50/60	100/130	0,51/0,68	4	2530/2720	870/935	48	B	44	4,8
ARS-KTF 250-A	230	50/60	140	0,69	4	2400	1010	45	B	44	4,9
ARS-KTF 250-B	230	50/60	145/200	0,74/1,04	6	2650	1150	47	B	44	5,3
ARS-KTF 315-A	230	50/60	160/210	0,8/1,1	6	2400	1450	48	B	44	6,8
ARS-KTF 315-B	230	50/60	180/245	0,87/1,23	7	2500/2700	1750/1890	49	B	44	6,9
ARS-KTF 355-A	230	50/60	160/175	1/0,85	4	1450/1700	1300/1525	45	F	44	9
ARS-KTF 355-B	230	50	445	1,94	8	2450	2620	54	F	44	10

Sound Level Measured from 3m distance in room condition.

Fan Components and Material Properties

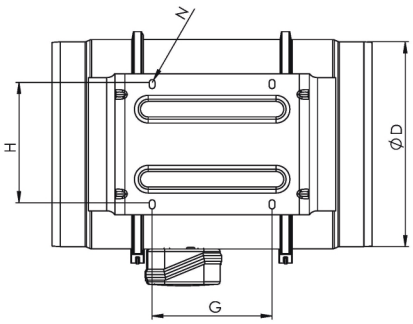
Duct type mixed flow fans, ST extension models are standard. Body and fan made of plastic. (ARS-KTF-2) 250 and 315 models are also available with electrostatic painted sheet version. Thanks to the body design, it is possible to disassemble and install the fan and motor without being disassembled.

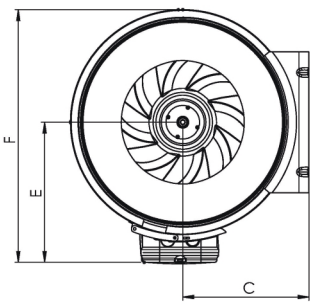
Fan Structure

Mixed flow fans consist of a combination of working principles of axial and casing centrifugal fans. These fans draw air in and out more linearly. This makes the system more efficient and reduces motor power.

Technical Drawing and Tables

TYPE	A	B	C	D	E	G	H	N
ARS-KTF-2-100	303	188	115	97	100	80	60	5,5
ARS-KTF-2-125	258	188	115	123	100	80	60	5,5
ARS-KTF-2-150	320	212	127	147	112	80	60	5,5
ARS-KTF-2-200	302	232,5	141	197	124	100	94	5,5
ARS-KTF-2-250	386	291	192	248	155	145	140	7,4
ARS-KTF-2-315	450	356	224	312	188	182	178	7,4
ARS-KTF-2-250-P	383	286	173	247	151	150	173	7,4
ARS-KTF-2-315-P	446	357	216	312	187	181	216	7,4







TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	NSULATION CLASS	PROTECTION CLASS	WEIGHT	SPEED
	V	Hz	W	(A)	(µF)	r.p.m.	m³/h	dB(A)	İz. Kl.	IP	Kg	
ARS-KTF-2 100/2V	230	50/60	20 18	0,11 0,10	1	2200 1850	198 165	31 26	B	44	1,8	H L
ARS-KTF-2 125/2V	230	50/60	27 23	0,14 0,12	1	2250 1950	284 248	31 26	B	44	2	H L
ARS-KTF-2 150/2V	230	50/60	44 35	0,22 0,19	1,2	2550 1950	530 410	33 29	B	44	2,7	H L
ARS-KTF-2 200/2V	230	50/60	100 90	0,52 0,48	3	2350 2050	840 690	36 32	B	44	4,8	H L
ARS-KTF-2 250/2V	230	50/60	140 110	0,7 0,6	5	2500 2050	1100 990	40 37	F	44	9,4	H L
ARS-KTF-2 315/2V	230	50/60	190 145	1,1 0,74	10	2680 2150	2000 1500	45 40	F	44	14	H L
ARS-KTF-2 250-P/2V	230	50/60	225 165	1,2 0,75	8	2450 1850	1405 1064	38 34	B	44	7,5	H L
ARS-KTF-2 315-P/2V	230	50/60	390 275	1,9 1,4	16	2350 1650	2206 1750	42 38	B	44	11	H L
ARS-KTF-2 100/2V	230	50/60	35 20	0,26 0,15	1	2600 2100	177 133	25 23	B	44	3	H L
ARS-KTF-2 125/2V	230	50/60	35 20	0,28 0,17	1	2600 2100	218 181	31 26	B	44	3,5	H L

Sound Level Measured from 3m distance in room condition.

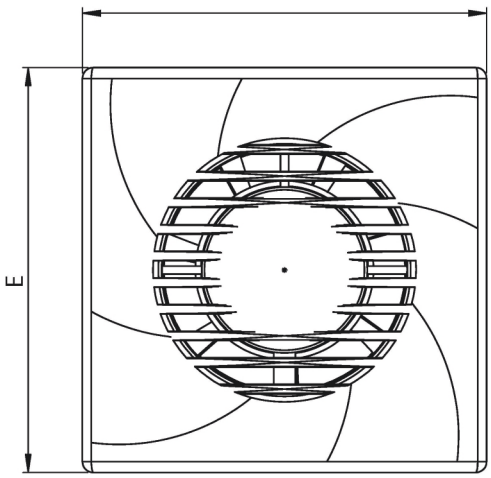
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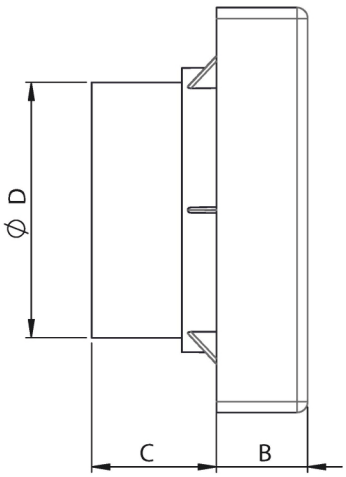
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It is safe with front louvre design. The panel is wider and tighter. This feature provides a robust mounting design. It is silent and corrosion resistant. Long life of the motor against environmental factors. Thermal protection. Can be mounted on glass and wall. It is used for small volume spaces, bath and toilet ventilation.

Technical Drawing and Tables

TYPE	A	B	C	D	E
EA 1010	149	32	59	97	149
EA 1219	170	32	59	118	170
EA 1530	200	38	59	145	200







TYPE	VOLTAGE	FREQUENCY	POWER	CURRENT	CAPACITOR	SPEED	AIR FLOW	SOUND PRESSURE	NSULATION CLASS	PROTECTION CLASS	WEIGHT	PIECES IN BOX
	V	Hz	W	(A)	(µF)	D/dak	m^3/h	dB(A)	İz. Kl.	IP	Kg	
EA 1010	230	50/60	13	0,09	-	2600	100	40	B	20	0,52	24
EA 1219	230	50/60	14	0,09	-	2400	200	41	B	20	0,6	20
EA 1530	230	50/60	21	0,13	-	2000	300	43	B	20	1,12	16

Sound Level Measured from 3m distance in room condition.



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F400 400°C/2h

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