

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.



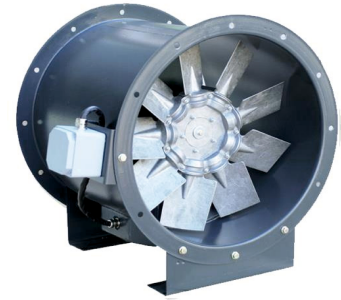
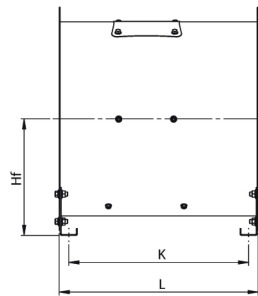
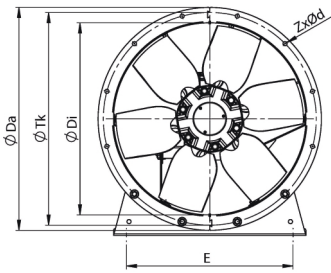
Motor Features

- 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).

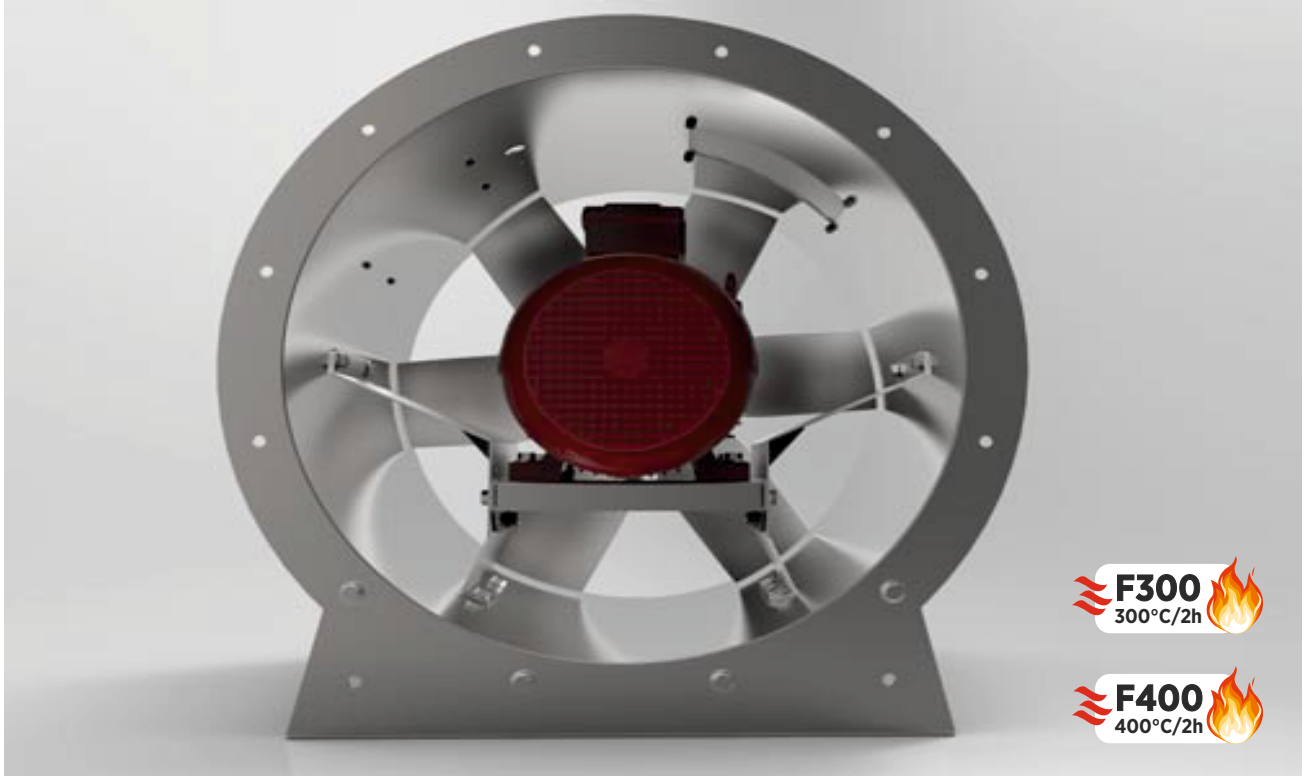
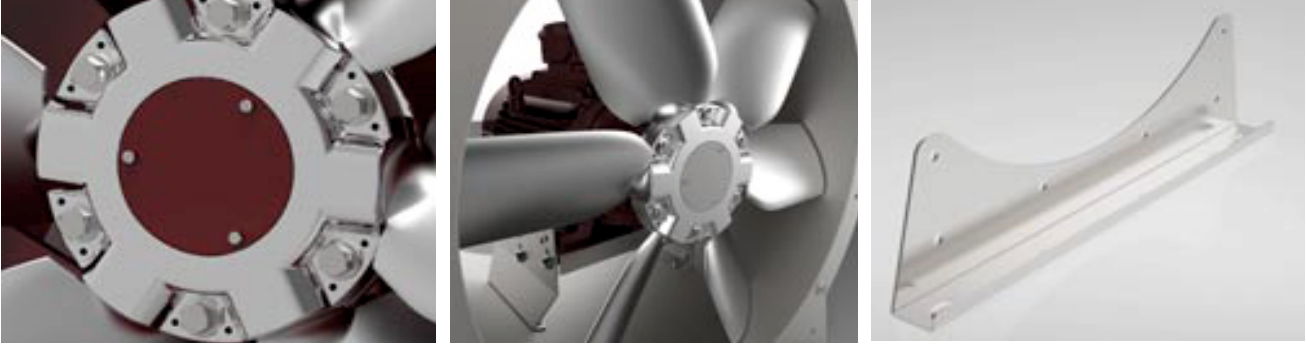
Usage Areas

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



TYPE	ØDi	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	16XΛ5	775	527	697	675
ARS-YDF AXIAL 1000	1000	1105	1070	16XΛ5	850	577	772	775
ARS-YDF AXIAL 1250	1250	1390	1320	20XØ15	949	720	861	950



F300
300°C/2h

F400
400°C/2h

TYPE	2 POLE	SPEED r.p.m	DIAMETER mm	POWER KW	CURRENT 230V-400V	FLOW m ³ /h	WING ANGLE
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°



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	7,5	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