

ADU F 300 - F 400/120



► **CERTIFIED F300 AND F400/120 MIN. ACCORDING TO EN 12101-3**

Description

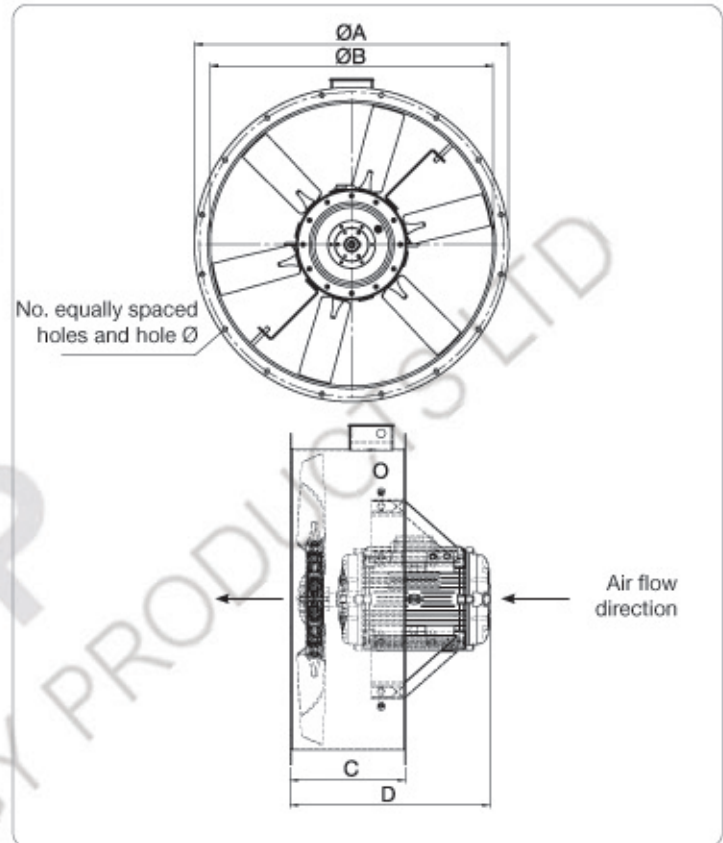
ADU F 300/120 - ADU F 400/120: ducted axial fans for "Dual Use" ventilation, daily ventilation and smoke extraction in case of fire

- made with single-sheet bent steel casing
- hot-dip galvanised coating after fabrication according to BS EN ISO 1461-1999
- impeller with variable angle of incidence, made of die-cast aluminium with natural finish, dynamically balanced according to ISO 14694 grade G6.3
- factory-set angle of incidence to guarantee optimal performance
- IP 55 class H completely enclosed motors
- temperature of use under normal conditions +40°C
- motor connection cables enclosed in a special sheath resistant to high temperatures and housed in an external IP 55 junction box
- executions up to DN 2000

Accessories

- support feet
- flexible anti-vibration joints
- anti-vibration supports
- mesh on motor side
- mesh on impeller side
- flange

Dimensions



F 300 dimensional data

GR	Poles	Ø A	Ø B	C	D	E	Ø F	Weight (Kg)
400	2	475	400	220	375	8	12	26.7
400	4	475	400	220	375	8	12	23.9
450	2	530	450	220	375	8	12	36.8
450	4	530	450	220	375	8	12	38
500	2	585	500	220	375	12	12	40.9
500	2	585	500	250	435	12	12	52.3
500	4	585	500	220	375	12	12	27.2
560	4	645	560	220	375	12	12	28.5
630	4	715	630	250	375	12	12	42.1
630	4	715	630	250	375	12	12	45.1
710	4	795	710	250	435	16	12	52.3
710	4	795	710	250	435	16	12	59.9
800	4	885	800	250	435	16	12	63
800	4	885	800	250	435	16	12	73.1
800	4	885	800	300	555	16	12	102.6
900	4	1000	900	300	555	16	15	113.2
900	4	1000	900	300	555	16	15	123.4
900	4	1000	900	420	685	16	15	172.9
1000	4	1100	1000	300	570	16	15	177
1000	4	1100	1000	420	700	16	15	167.6
1000	4	1100	1000	420	700	16	15	187.6

F 400 dimensional data

GR	Poles	Ø A	Ø B	C	D	E	Ø F	Weight (Kg)
400	2	475	400	220	375	8	12	26.7
400	4	475	400	220	375	8	12	23.9
500	4	585	500	220	375	12	12	27.2
560	4	645	560	220	375	12	12	32.4
630	4	715	630	250	375	12	12	45.1
710	4	795	710	250	435	16	12	56.4
710	4	795	710	250	435	16	12	55.4
800	4	885	800	250	435	16	12	58.5
800	4	885	800	250	435	16	12	73.1
900	4	1000	900	300	555	16	15	114.4
900	4	1000	900	300	555	16	15	124.7
900	4	1000	900	300	555	16	15	128.9
1000	4	1100	1000	300	570	16	15	181
1000	4	1100	1000	420	700	16	15	171.7
1000	4	1100	1000	420	700	16	15	194.1

Fans

F 300 - Selection table

GR	Current	Motor				Static pressure (Pa)								Noise level	
		Poles	kW	At Nomin.	At Start	0	60	100	160	200	250	300	400	IN	OUT
400	3F	2	1.32	2.8	12.18	8600	8100	7500	-	-	-	-	-	70	69
400	3F	4	0.66	1.49	6.14	4860	3750	-	-	-	-	-	-	55	54
450	3F	2	2.64	5.36	25.03	12280	11500	10900	10100	9200	8500	-	-	75	74
450	3F	4	0.66	1.49	6.14	6950	5800	4800	-	-	-	-	-	60	60
500	3F	2	3.3	6.73	38.55	16750	15750	15300	14350	13500	12300	11000	-	72	73
500	3F	2	4.6	8.88	53.27	18220	17800	17250	16500	16150	15600	14800	13300	76	75
500	3F	4	0.66	1.49	6.14	9540	8150	7100	-	-	-	-	-	57	57
560	3F	4	0.66	1.49	6.14	11340	9000	-	-	-	-	-	-	60	60
630	3F	4	1.32	2.84	13.01	17390	15600	13900	11600	10000	-	-	-	65	65
630	3F	4	1.8	3.76	17.09	18100	16250	15100	12250	-	-	-	-	66	66
710	3F	4	2.53	5.23	28.21	25000	23000	21500	18500	15550	-	-	-	72	73
710	3F	4	3.6	7.3	33.44	27180	25200	24100	22100	20600	17700	-	-	72	72
800	3F	4	3.6	7.3	33.44	34560	32450	30250	27250	23700	-	-	-	70	70
800	3F	4	4.8	9.7	41.29	36750	34600	33400	31200	30000	27200	24100	-	72	71
800	3F	4	6.6	12.48	63.65	40860	39000	37400	35000	33300	31000	28000	-	75	74
900	3F	4	6.6	12.48	63.65	47240	44500	41700	37900	35450	30000	-	-	75	74
900	3F	4	8.63	16.34	88.18	53820	51500	49500	46600	44500	39600	38400	-	78	77
900	3F	4	13.2	25.32	113.31	57490	56000	54800	52950	52000	49200	46500	41500	74	75
1000	3F	4	8.63	16.34	88.18	62960	59200	56500	52400	49500	45400	39000	-	81	79
1000	3F	4	13.2	25.32	113.31	76220	72600	71000	67000	64000	61600	57200	48700	81	80
1000	3F	4	18	34.2	148.2	79300	76450	73200	70150	67200	63500	59500	51000	81	80

Motor insulation class IP 55 Class H

Noise level: Lp db(A) at three metres in free field

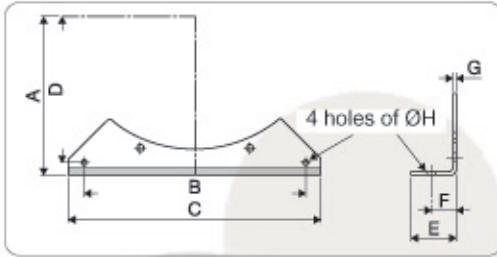
F 400 - Selection table

GR	Current	Motor				Static pressure (Pa)								Noise level	
		Poles	kW	At Nomin.	At Start	0	60	100	160	200	250	300	400	IN	OUT
400	3F	2	1.32	2.8	12.19	8390	7780	7130	6530	5900	-	-	-	70	69
400	3F	4	0.66	1.49	6.14	4750	3775	-	-	-	-	-	-	56	55
500	3F	4	0.66	1.49	6.14	9540	8200	7000	-	-	-	-	-	58	58
560	3F	4	0.9	1.92	8.13	12850	11240	10000	-	-	-	-	-	62	61
630	3F	4	1.8	3.76	17.09	18110	16250	14630	11480	-	-	-	-	67	67
710	3F	4	2.64	5.5	25.56	25530	23400	21400	18000	-	-	-	-	72	73
710	3F	4	3.6	7.3	33.44	27180	25550	23970	21900	20150	-	-	-	74	74
800	3F	4	3.6	7.3	33.44	34490	32000	30000	26350	22700	-	-	-	71	71
800	3F	4	4.8	9.7	41.29	36540	33600	32200	31200	27600	25000	21500	-	73	72
900	3F	4	6.6	12.48	63.65	47630	45600	44000	41400	39000	35850	31900	-	77	76
900	3F	4	8.63	16.34	88.18	51150	49300	48000	45400	43500	40000	35900	-	79	77
900	3F	4	10.6	20.85	115.66	56050	54300	52800	50000	48100	45500	43000	36150	75	76
1000	3F	4	8.63	16.34	88.18	59760	56250	53100	48750	45800	40000	-	-	81	79
1000	3F	4	13.2	25.32	113.31	72620	70500	67800	64800	61400	58900	55000	45600	80	80
1000	3F	4	18	34.2	148.2	78800	76600	75000	72100	70150	68300	65800	59200	83	82

Motor insulation class IP 55 Class H

Noise level: Lp db(A) at three metres in free field

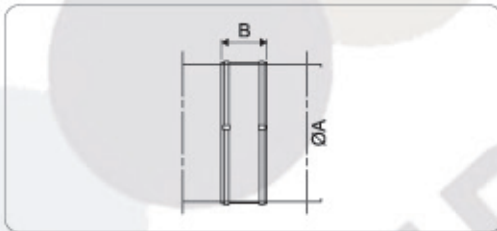
Accessories



FEET OF BRACKETS: hot-dip galvanised steel structure.

GR	A	B	C	D	E	F	G	ØH	Kg
400	250	350	400	230	50	27.5	4	9	1.5
450	280	400	450	255	50	27.5	4	11	2
500	315	450	500	290	50	27.5	4	11	2.5
560	355	510	560	330	60	32	5	11	4
630	400	580	630	375	60	32	5	11	5
710	450	660	710	425	60	32	5	11	5.5
800	500	750	800	475	60	32	5	11	6
900	560	850	900	530	70	36	6	11	9
1000	630	950	1000	595	70	36	6	13	12

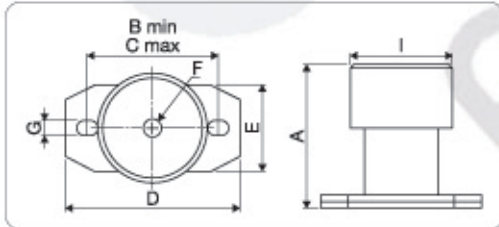
Dimensions in mm



FLEXIBLE ANTI-VIBRATION JOINT: made of PVC-coated polyester with steel fastening bands.

GR	Ø A	B	Weight (Kg)
400	400	150	0.9
450	450	150	1
500	500	150	1.2
560	560	150	1.3
630	630	200	1.4
710	710	200	2
800	800	200	2.2
900	900	200	2.4
1000	1000	250	2.6

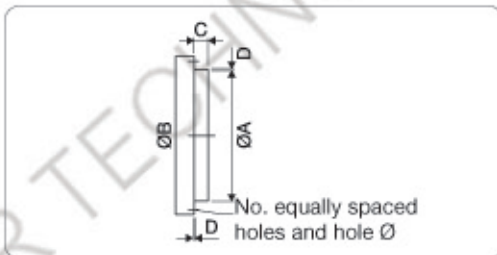
Dimensions in mm



GR	DN	A	B	C	D	E	F	G	I
ES 20	400 - 900	63	54	60	76	38	M8	M6	48
ES 25	900 - 1000	88	85	90	110	70	M10	M8	78

Dimensions in mm

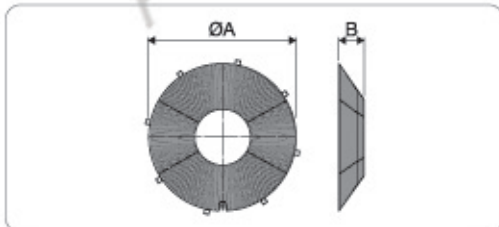
ANTI-VIBRATION SUPPORTS: kit of 4, made of rubber with steel insert.



FLANGE: made of galvanised steel.

GR	Ø A	Ø B	C	D	E	Ø F	Kg
400	400	475	40	1.5	8	12	1.2
450	450	530	40	1.5	8	12	2.2
500	500	585	45	2	12	12	2.6
560	560	645	45	2	12	12	3
630	630	715	45	2	12	12	3.5
710	710	795	45	2	16	12	3.7
800	800	885	50	2.5	16	12	5
900	900	1000	50	2.5	16	15	5.5
1000	1000	1110	50	2.5	16	15	6.5

Dimensions in mm

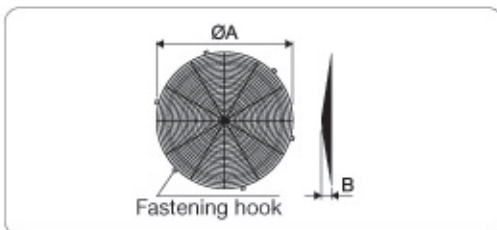


GR	Ø A	B
400	432	50
450	475	45
500	534	55
500	534	105
560	594	55
630	664	55
710	744	55

Dimensions in mm

GR	Ø A	B
710	744	102
800	845	102
800	845	155
900	940	102
900	940	165
1000	1040	165
1000	1040	165

MESH ON MOTOR SIDE: made of galvanised steel, supplied with fastening screws.



MESH ON IMPELLER SIDE: made of galvanised steel, supplied with fastening screws.

GR	Ø A	B	Weight (Kg)
400	420	26	1.6
450	470	29	1.8
500	520	32	2.2
560	585	32	2.5
630	655	40	2.6
710	730	50	2.7
800	840	50	2.8
900	946	50	2.9
1000	1040	75	3

Dimensions in mm