

PLATED WALL TYPE AXIAL FAN WITH IEC MOTOR

Rev.01
27-05-2015



GMC AXF-602:

Plate mounted axial fans with IEC motor
The range consists of 9 sizes with impeller diameter from 250 up to 700 mm

Application

- designed for installations requiring large capacities with low pressures, in applications for wall or panel fixing f.e. ventilation of commercial and industrial buildings, car parks, stock farms, cooling of electric and refrigerating equipments, etc.

Construction

- Supporting frame with wide shaped inlet in corrosion proof material or protected against the atmospheric agents
- Motor support and safety grid, in steel rod manufactured in accordance with UNI EN 294
- Execution 5 (impeller directly coupled to motor shaft)
- Conveyed air: clean, not abrasive
- Temperature of conveyed air: -20°C / +50°C
- Air flow from motor to impeller

Fan/Impeller

- Impeller with high efficiency airfoil blades in plastic material and hub in die cast aluminum alloy. Variable pitch angle install position. Balancing according to UNI ISO 1940

Motor

- Asynchronous electric motor three or single phase, protection IP 55, class F insulated, output EFF2, service S1, form B5, construction according to IEC / EEC (UNEL-MEC) standards
- Voltage: Three-phase version (T) 400V-3Ph
Single-phase version (M) 230V-1Ph
- Frequency: 50Hz



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Features and benefits

- AXF-602 fans are characterized by versatility and competitive prices, consequence of accurate design and material choices: impeller is composed of a sturdy hub in die-cast aluminum alloy and blades moulded in different materials suitable for heavy-duty applications. Motor is manufactured according to IEC standards, guarantying reliability and a long term economic recovery of the fan by replacing or repairing the motor itself

Options

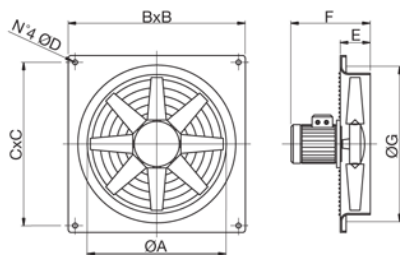
- Version with die-cast aluminum blades
- Explosion proof version (AXF-602: Mk.EP)
- Version with air flow from impeller to motor

Air Flow Values

Model	Qv (m3/h)						
	0 Pa	25 Pa	50 Pa	75 Pa	100 Pa	150 Pa	
Mk.	254M	1400	1420	-	-	-	-
	314M	2400	2200	1750	-	-	-
	354M	3200	3050	2550	2000	-	-
	404M	5000	4800	4300	3200	1700	-
	454M	6300	5900	5500	5000	4000	-
	504M	9000	8650	7900	7300	6500	3500
	564M	12500	12000	11250	10500	9100	7000
	634M	14000	13500	13000	12500	11800	9000
	714M	17000	16200	15800	15100	14500	12500
	506T	6000	5400	4250	2750	-	-
	566T	7900	7200	6000	4500	-	-
	636T	10500	9600	8400	6600	-	-
	716T	15000	13750	12000	9500	6900	-
	508T	4250	3200	-	-	-	-
	568T	6000	4900	-	-	-	-
	638T	8000	6500	-	-	-	-
	718T	11000	9500	6200	-	-	-

Technical specifications

Model	Poles	Phase	Kw	A	dB(A) @3m	
					Motor	Impeller
Mk.	254 M	4	1Ph-230V	0.04	0.50	47
	314 M	4	1Ph-230V	0.09	1	50
	354 M	4	1Ph-230V	0.12	1.10	54
	404 M	4	1Ph-230V	0.18	1.60	59
	454 M	4	1Ph-230V	0.25	2.40	65
	504 M	4	1Ph-230V	0.55	4.50	66
	254 T	4	3Ph-400V	0.04	0.25	47
	314 T	4	3Ph-400V	0.09	0.35	50
	354 T	4	3Ph-400V	0.12	0.40	54
	404 T	4	3Ph-400V	0.18	0.60	59
	454 T	4	3Ph-400V	0.25	0.80	65
	504 T	4	3Ph-400V	0.55	1.60	66
	564 T	4	3Ph-400V	0.75	2	67
	634 T	4	3Ph-400V	0.75	2	72
	714 T	4	3Ph-400V	1.50	3.50	76
	506 T	6	3Ph-400V	0.18	0.70	55
	566 T	6	3Ph-400V	0.25	1	58
	636 T	6	3Ph-400V	0.37	1.30	63
	716 T	6	3Ph-400V	0.75	2	65
	508 T	8	3Ph-400V	0.08	0.60	48
568 T	8	3Ph-400V	0.12	0.70	52	
638 T	8	3Ph-400V	0.18	0.80	57	
718 T	8	3Ph-400V	0.25	1.10	58	



Dimensional data

	ØA [mm]	BxB [mm]	CxC [mm]	ØD [mm]	E [mm]	F [mm]	WG [mm]	Kg
25	260	340	300	10	90	270	315	6
31	310	390	350	10	110	320	365	7
35	360	440	400	10	110	320	410	8
40	410	500	450	10	110	320	465	9
45	460	560	510	10	110	340	510	13
50	510	650	580	10	110	360	570	20
56	570	700	630	10	130	380	630	22
63	640	800	730	12	130	400	700	24
71	710	850	800	12	130	460	770	30

