

DUCT TYPE MK.I AXIAL FAN



GMC AXF-607:

- Cased axial fans used for large air capacities with relatively low pressures are required in duct mounted applications.

Application

- Suitable when large air capacities with relatively low pressures are required in duct mounted applications. For instance: ventilation and conditioning in naval and mining applications, evaporative towers, heat exchangers, cooling of electric and refrigerating equipments, etc.
- With this line is possible to attain higher pressures using the multistage version consisting of two single stages fans mounted in series, with contra-rotating impellers. This solution allows the recovery of the air rotative component turning it in pressure, developing up to 2.7 times the pressure of a single fan having the same geometry and speed

Composition

- Casing in steel sheet protected with epoxy painting. Fixing flanges according to UNI-ISO 6580/EUROVENT 1-2 standards
- Impeller with high efficiency airfoil blades in plastic material or in die-cast aluminum alloy. Hub in die-cast aluminum alloy. Balancing according to UNI ISO 1940. Variable pitch angle in still position
- Asynchronous electric motor, protection IP 55, class F insulated, output EFF2, service S1, form B3, construction according to the IEC/EEC (UNEL-MEC) standard
- Execution 4 (impeller directly coupled to motor shaft)

Options

- Standard version **AXF-606**
- **AXF-606, Mk.M:** medium length casing: Motor/impeller assembly almost completely enclosed within the length of the casing
- **AXF-606, Mk.L:** long casing: Impeller and motor are completely enclosed within the overall length of the casing
- **AXF-606, Mk.S:** short casing: Motor partially protrudes beyond the rear mounting flange
- Explosion-proof version: **AXF-606, Mk.EP**
- **AXF-606, Mk.M-EP:** explosion-proof medium length casing: Motor/impeller assembly almost completely enclosed within the length of the casing
- **AXF-606, Mk.L-EP:** explosion-proof long casing: Impeller and motor are completely enclosed within the overall length of the casing
- **AXF-606, Mk.S-EP:** explosion-proof short casing: Motor partially protrudes beyond the rear mounting flange

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Accessories

- Inlet nozzle type **IN**
- Silencers type **SIL-DU**
- Flat protection grid type **FPG-DU** and conic type **CPG-DU** (necessary for use in free air)
- Inspection door
- Flexible connection type **FC-DU**
- Antivibration mounts type **AV**
- Counter flange type **CF-DU**
- Outer terminal box type **OTB**
- Fixing feet type **FF-DU**
- Service switch **SW**

Text for tender

- Cased axial fans used for large air capacities with relatively low pressures are required in duct mounted applications

Order example

- AXF-607 314/4M-A + FC-DU + AV + CF-DU

M = Type of case length; M = middle, S = Short; L = Long

31 = Hub size

4 = Number of poles; 2 - 3000rpm; 4 - 1500rpm; 6 - 1000rpm; 8 - 750rpm

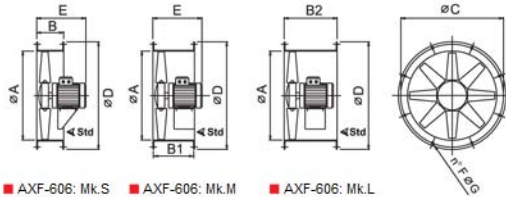
M = Monophase; **T** = Threephase

A = Type of motor

FC-DU = Flexible connection

AV = Antivibration mounts

CF-DU = Counter flange



- AXF-606: Mk.S
- AXF-606: Mk.M
- AXF-606: Mk.L

Dimensions

	OA (mm)	B (mm)	B1 (mm)	B2 (mm)	C (mm)	OD	E (mm)	F (mm)	G (mm)	Kg (Ms)	Kg (Mm)	Kg (MI)
31	310	260	260	400	355	390	250/380	8	10	13/18	13/18	-
35	360	260	260	400	395	430	250/380	8	10	14/19	14/19	-
40	410	260	260	400	450	490	300/390	8	12	16/27	16/27	18/30
45	460	260	260	450	500	540	350/430	8	12	23/33	23/33	28/36
50	510	260	260	450	560	595	350/440	12	12	25/40	25/40	29/44
56	570	260	260	450	620	655	350/440	12	12	28/45	28/45	34/51
63	640	260	350	500	690	725	400/490	12	12	34/56	37/59	41/63
71	710	260	350	600	770	805	400/560	16	12	41/92	44/95	53/104
80	810	350	450	600	860	900	450/590	16	12	50/120	54/124	60/134
90	910	350	450	700	970	1010	450/690	16	16	80/197	87/204	105/222
100	1010	350	560	800	1070	1110	550/750	16	16	92/235	107/250	123/266
112	1130	350	560	800	1190	1230	550/750	20	16	120/289	136/295	157/317
125	1260	350	560	800	1320	1360	550/780	20	16	150/310	169/329	192/352