

GSF

SINCE 1975



## AMCA & 고효율 송풍기 With GS Fan! Since 1975. 고객과 함께 걸어온 40여년! 고맙습니다. 100년 기업으로 만들겠습니다.

(주)금성풍력은 1975년 설립되어 40여년간 송풍기 제조 외길만을 걸어온 장수 기업입니다.  
서울 청계천 공구상가에서 1평 남짓 한 점포에서 "동일공사"라는 상호로 출발하여  
지금의 남동공단에 2014년 말 기준 임직원 100여명, 년매출 210여억원을 생산하는  
송풍기 분야 선도 기업으로서, 국산품 □ 최고의 품질로 고객에게 보답 하고 있습니다.  
국내 전 산업분야 및 송풍기가 사용 되어지는 현장이라면 금성풍력 송풍기가  
한번쯤은 적용 될 정도로 40여년 이라는 세월과 역사가 이미 증명 하고 있습니다.

국내 최초 (□)AMCA 인증 획득. Fan Select 프로그램 또한 고객 여러분과 함께 호흡한 결과물 입니다.  
외산 제품과 성능 우위를 겨루며 중소기업 진흥을 통하여 국가산업발전에 이바지한 공헌으로  
2012년 5월 17일 대통령 표창을 수상 하였고 2013년 4월 22일 각 분야에서 선도적 위치에 있으며  
사회적 책임 수행에도 모범을 보이는 자랑스러운 중소기업인 상을 수상하였습니다.

국내 열악한 송풍기 시장에서 40여년 가까이 송풍기 외길만을 걸어 올 수 있었던 것은  
고객 여러분의 관심과 애정의 결과물 입니다.  
감사합니다. 앞으로도 GsFan은 기술, 연구 개발에 끊임없이 노력하는 기업이 되겠습니다.  
고객 여러분! 실망 시키지 않겠습니다!  
감사합니다.

2015. 10. (株)金星風力 代表理事 鄭 東 騎 拜上

[www.gsfan.co.kr](http://www.gsfan.co.kr)

## 연혁 HISTORY

- 1975.05 서울 중구 입정동 5-5에 동일공사 창업
- 1979.02 금성풍력 상호변경
- 1992.05 남동공단 2단지 99-8 본사 · 공장 신축이전
- 1996.05 Air Foil Fan 양산 체제 구축
- 1998.02 송풍기선정프로그램 국내 최초 개발
- 1998.12 품질보증시스템인증 획득(ISO 9001/KSA 9001)
- 2001.10 (주)금성풍력 법인전환
- 2002.09 ISO 9001 : 2000전환 인증획득
- 2004.07 남동공단 2단지 98B-11L 본사 · 공장 이전
- 2005.03 (美)AMCA Air Performance(성능) 인증획득 (국내최초 국산 기술)  
- 원심형 송풍기(SIROCCO & AIR FOIL FAN) 인증 (편흡입 & 양흡입)
- 2007.03 송풍기 선정 프로그램 업그레이드 (Ver. 8.0)
- 2009.01 (美)AMCA Sound & Air Performance(소음 & 성능) 인증획득  
- 원심형 송풍기(SIROCCO & AIR FOIL FAN) 인증 (편흡입 & 양흡입)
- 2010.12 (美)AMCA Sound & Air Performance(소음 & 성능) 인증획득  
- MIXED FLOW(DUCT IN LINE) FAN 인증
- 2015.03 송풍기 선정 프로그램 업그레이드 (Ver. 10)



## 수상내역 AWARD RECORDS

- 2011.01 조선일보-IBK-잡월드 3社 주관. "일하기 좋은 600대 기업 선정"  
- 2011. 1. 1. 조선일보 참조
- 2011.05 제3회 명문장수기업상 선정
- 2011.09 지식경제부장관 경영생산성 선도적 활동 표창장
- 2011.09 지식경제부장관 생산성향상 우수한 경영 성과를 거둔 우수기업 지정
- 2011.11 인천광역시 비전기업 선정  
- 21C경제주역 「대한민국의 심장, 경제수도 인천」 건설대표브랜드기업, 「비전기업」 선정
- 2012.03 제 39회 상공의 날 대한상공회의소 표창장 (상공업 발전에 기여)
- 2012.05 제 24회 전국중소기업인대회 대통령 표창 (모범 중소기업인)
- 2012.12 인천광역시 중소기업인대상 우수상
- 2013.04 이달의 자랑스러운 중소기업인상 (중소기업중앙회)

# TECHNOLOGY



## ISO인증은?

국제표준화기구의 약어로서 서비스와 관련된 제반설비와 활동의 표준화를 통하여 국제 교역을 촉진하고 회원기관과 국제기구와의 협력을 도모 각국의 실정에 맞게 수정하거나 번역되어 국가표준으로 사용되고 있는 제도입니다.



## 고효율에너지기자재 인증은?

지식경제부 (고효율에너지기자재 보급 촉진에 관한 규정)에 의하여 에너지 관리공단에서 고효율 에너지 기자재로 인증받은 제품을 말하며 고효율 에너지 기자재의 보급을 활성화 하기 위하여 일정기준 이상 제품에 대하여 인증하여 주는 효율 보증제도입니다.



## FAN SELECTION PROGRAM은?

1998년 2월 Ver 1.0으로 개발, 매년 upgrade하여 설비&설계 엔지니어, 유체기계 전공학생 등 고객의 요청에 의거 중소기업 여건에서 연구개발비를 과감하게 투자하여 현재 당사 및 설비&설계사무소(설비관련 Big User)의 엔지니어와 Fan제조사 엔지니어가 활용하고 있습니다. 본 Program은 당사 Home Page에서 무상 다운로드하여 사용가능합니다.



## KARSE SEAL

한국설비기술협회(KARSE)에서 AMCA 210, KS B 6311 과 KARSE 송풍기 성능인증 프로그램의 시험과 절차에 따라 성능(풍량, 정압, 축동력)을 검증하여 제품 카다로그의 데이터를 보증해 주는 인증으로써 당사 Airfoil, Sirocco, Duct In Line등의 제품군에 해당됩니다.

[www.gsfan.co.kr](http://www.gsfan.co.kr)



## AMCA 란?

AMCA (Air Movement and Control Association) International의 약자로 송풍기, 댐퍼, 루버, 에어커튼, 공기유량 측정 장치, 덕트, 소음기 등의 공기기송, 제어 등과 관련된 시스템의 제조업체들이모인 비영리 협회이다. 국제표준을 이끌고 있는 공인성능 인증기관이며 1917년 설립된 후 약 100여년의 역사를 가지고 있습니다.

송풍기분야 및 공조산업분야에서 국제적인 권위를 인정받고 있으며 AMCA의 제정규격은 ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.: 미국냉난방공조협회) 및 ANSI (American National Standards Institute: 미국 규격협회) 규격으로 채택되어 사용되고 있으며 ISO 및 KS규격에도 채용하여 사용되고 있습니다.

비영리 인증기관으로서 유럽과 아시아에 지부를 두고 있으며 송풍기, 댐퍼, 셔터, 등의 공기조절장치와 시스템에 대한 엄격하고 공정한 테스트를 실시하여 제조사의 카탈로그와 실제 제품과의 성능이 일치하는 제품에 대하여 AMCA Seal부착할 수 있도록 권한을 부여하고 소비자가 안심하고 제품을 선정, 사용할 수 있도록 인증하고 있습니다.

2015년 1월말 현재 전 세계 34개국 330여 업체가 회원사로 등록되어 있습니다.



## AMCA SEAL(Sound & Air Performance)인증은?

(美)AMCA Lab에서 소음(dB)과 성능(풍량, 정압, 축동력)을 검증하여 제품 카탈로그상의 데이터를 보증하는 국제적으로 권위 있는 연구기관의 인증서로, (주)금성풍력은 국내 최초 소음과 성능에 대한 인증을 획득했습니다.



## AMCA SEAL(FEG)인증은?

미국 AMCA에서는 고객의 송풍기 고효율화 요구에 부응하기 위하여 기존의 성능기준에 효율 요구조건을 추가하여 각 송풍기별 효율등급을 규정하고 제품 카탈로그에 효율을 명시 토록하여 고객이 믿을 수 있는 효율 보증 프로그램을 운영하고 있습니다.

(주)금성풍력은 국내최초 효율등급인증을 위하여 노력하고 있습니다.

# DUCT IN LINE FAN (MIXED FLOW FAN) GMF-C series



가변형 날개를 적용 날개 각도에 따라 풍량과 압력을 조절 할 수 있으며 날개의 소재가 알루미늄으로 경량화를 실현 저소음, 저진동을 실현하였습니다.

Variable Impeller apply, As Impeller degree control air flow and pressure, Material of Impeller is Aluminum so that the weight of Fan realize minium sound level and vibration.

## DUCT IN LINE FAN (MIXED FLOW FAN)

벨트 구동방식과 직결형으로 구분되며, 풍량, 정압의 조건에 따라 구동 방식이 달라질 수 있습니다.

가변형 날개를 적용 날개 각도에 따라 풍량과 압력을 조절할 수 있으며 날개의 소재가 알루미늄으로 경량화를 실현 저소음, 저진동을 실현하였습니다.

The subdivision of Duct Inline Fan Belt Drive , Direct Drive, AS condition of Air Flow, Pressure is different drive method.

Variable Impeller apply, AS Impeller Degree control air Flow and Pressure, Material of Impeller is Aluminum so that the Weight of Fan realize minimum sound level and vibration.



### DUCT IN LINE FAN (MIXED FLOW FAN)



GUMSUNG POONG RYUK Co.,Ltd. certifies that the Mixed Flow FAN shown here in is licensed to bear the AMCA Seal. The Ratings shown are based on tests and procedure performed in accordance with AMCA publication 211, 311 and comply with the requirements of the AMCA Certified Ratings Program.



The AMCA Certified Ratings Seal applies to GMF-315c through MF-800, 32° degree blade pitch only

The IMPELLER is variable degree Impeller.

The Degree is 17°, 22°, 27°, 32°, 37°

This Catalog data applies 32° Impeller. The Capacity, pressure Power and etc Specification can change from Impeller degree.

#### Type GMF FAN Series

Gumsung Mixed Flow Fan model is Direct Driver type fan.

#### 1. Wheels

All wheels are dynamically balanced and designed to perform up to 100% of standard capacity. The wheels are made of aluminum and generally constructed by tighten Bolt will be applied in case when high speed is required or the air is dusted or wet.

#### 2. HUB

The hub is made of gray castings(GC 200) and can be fixed to Motor shaft with keys .

#### 3. Casing

The Constructed of metal sheets and section steel with continuous welding to perform 100% of standard capacity.

#### 4. Inlet Cone

Designed to perform 100% of standard capacity enabling the maximum control. A special care was done to keep the inlet cones from touching other parts to include wheels. It can be easily assembled to the casing with flat washers.

#### 5. Outlet Vane

It accurately controls the air flow and the air flow Direction is the flow through outlet Vane.

#### 6. Outlet Shape

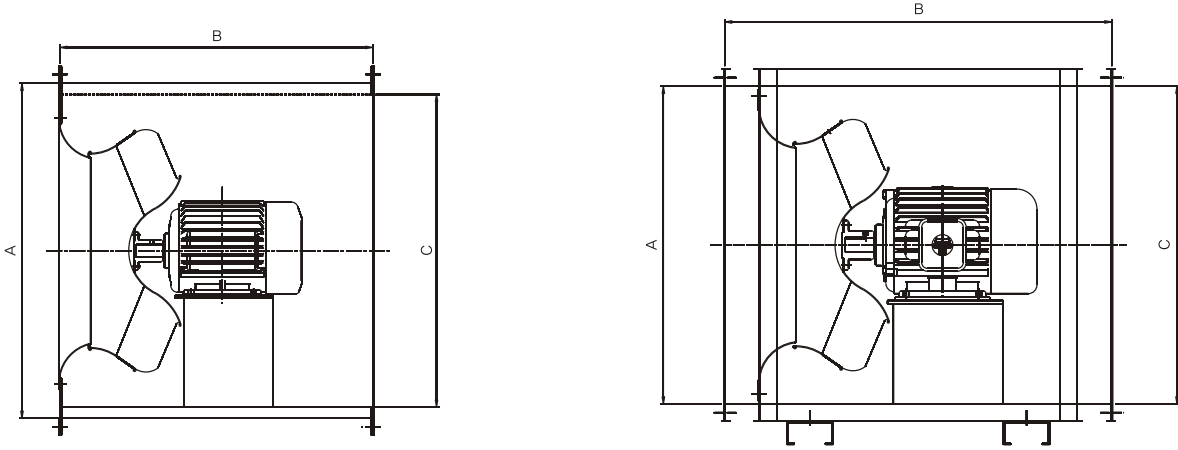
Square type outlet model is optional.

# GMF-C series (MIXED FLOW FAN)

## DUCT IN LINE FAN

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표준외형도 Standard shape of DUCT IN LINE FAN(GMF-C SERIES)



GMF-C : Casing Circle Type(원형 케이싱)

unit: mm

| MODEL NO. | A (Flange Inlet) | B (Casing Length) | C (Outlet Dim') | MOTOR    |        |
|-----------|------------------|-------------------|-----------------|----------|--------|
| GMF-315C  | □500 X 500       | 450               | Ø450            | 0,5HP-4P |        |
| GMF-350C  | □550 X 550       | 500               | Ø500            | 1HP-4P   |        |
| GMF-400C  | □600 X 600       | 550               | Ø550            | 2HP-4P   |        |
| GMF-450C  | □680 X 680       | 650               | Ø630            | 3HP-4P   | 2HP-6P |
| GMF-500C  | □750 X 750       | 700               | Ø700            | 5HP-4P   | 3HP-6P |
| GMF-560C  | □850 X 850       | 750               | Ø800            | 5HP-4P   | 3HP-6P |
| GMF-630C  | □900 X 900       | 800               | Ø850            | 5HP-6P   |        |
| GMF-710C  | □1000 X 1000     | 900               | Ø950            | 7,5HP-6P |        |
| GMF-800C  | □1120 X 1120     | 1000              | Ø1070           | 15HP-6P  |        |

GMF-S : Casing Square Type(각형 케이싱)

unit: mm

| MODEL NO. | A (Flange Inlet) | B (Casing Length) | C (Outlet Dim') | MOTOR    |        |
|-----------|------------------|-------------------|-----------------|----------|--------|
| GMF-315S  | □400 X 400       | 570               | □400 X 400      | 0,5HP-4P |        |
| GMF-350S  | □450 X 450       | 620               | □450 X 450      | 1HP-4P   |        |
| GMF-400S  | □500 X 500       | 670               | □500 X 500      | 2HP-4P   |        |
| GMF-450S  | □560 X 560       | 770               | □560 X 560      | 3HP-4P   | 2HP-6P |
| GMF-500S  | □630 X 630       | 770               | □630 X 630      | 5HP-4P   | 3HP-6P |
| GMF-560S  | □710 X 710       | 820               | □710 X 710      | 5HP-4P   | 3HP-6P |
| GMF-630S  | □800 X 800       | 920               | □800 X 800      | 5HP-6P   |        |
| GMF-710S  | □900 X 900       | 950               | □900 X 900      | 7,5HP-6P |        |
| GMF-800S  | □1000 X 1000     | 1000              | □1000 X 1000    | 15HP-6P  |        |

※GMF-S는 본사 담당자와 협의바랍니다.

※GMF-S is consult with the head office staff please,

※상기 치수 및 성능 DATA는 성능 및 품질 개선을 위해 예고없이 변경할 수 있습니다.

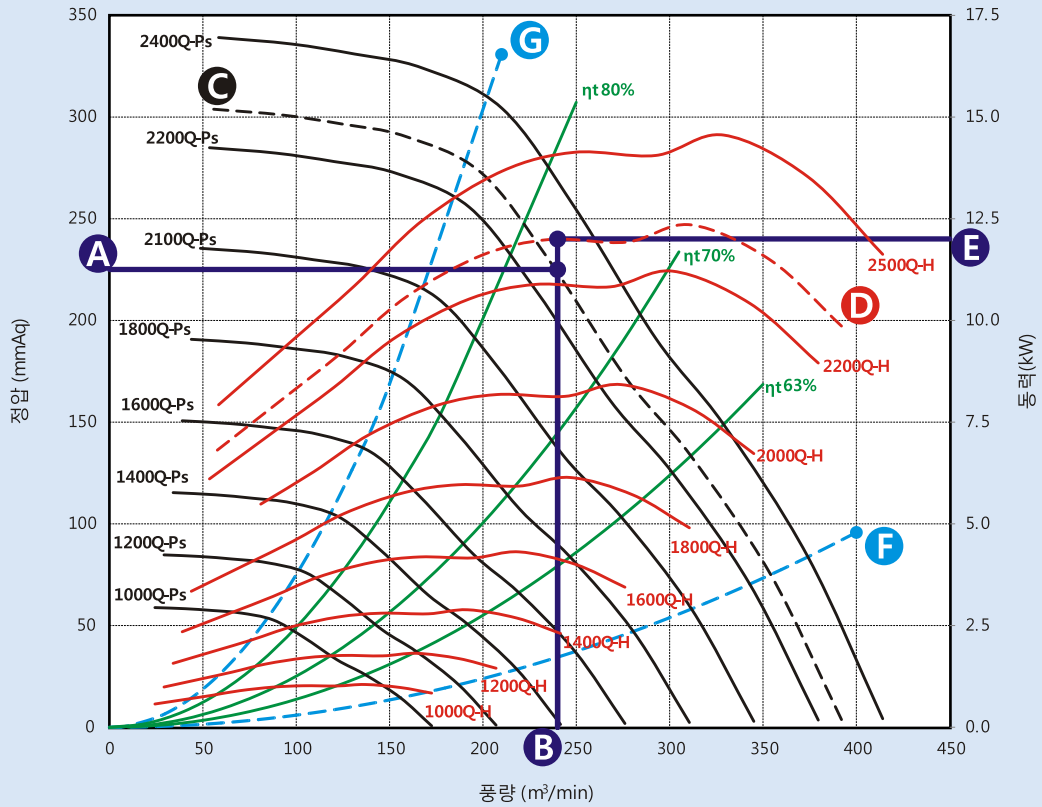
※The dimensions and performance data can change without notice for performance and quality improvement.

### 팬 선정 방법 예 Fan Selection Example

Circular shape casing model name is "GMF-ddd-C".  
Square shape casing model name is "GMF-ddd-S".



그래프 선정 방법



### 송풍기 사용점 선정방법

1. 요구되는 정압에 해당되는 수평선(A)을 긋는다.
2. 요구되는 풍량에 해당되는 수직선(B)을 긋는다.
3. 요구되는 정압(A) 및 풍량(B)의 교점의 예상회전수 및 예상 풍량압력곡선(C)을 구한다.
4. 예상 회전수에서의 예상동력곡선(D)을 추정한다.
5. 예상동력곡선과 만나는 요구 풍량 수직선의 교점을 동력선 좌표로 수평선(E)을 그린다.
6. 사용 권장 상한선(G)과 사용 권장 하한선(F)을 벗어나는 경우 효율적인 송풍기 운영을 위하여 송풍기 모델 및 기종을 변경하는 것이 바람직하다.

ex) 선정정압 ( A ) : 225 mmAq  
 선정풍량 ( B ) : 240 m³/min  
 선정 정압 및 풍량에 의하여 교점에서 만나는 풍량 압력곡선의 예상회전수는 2272rpm 이다.  
 2272 rpm에 해당되는 예상 동력곡선(D)를 그린 후 동력값(E)은 약 11.78kW이다.  
 이때의 예상 전압효율은 약 76% 이다.

### FAN DESIGN POINT SELECTION

1. Corresponding to the static pressure required horizontal line (A) always draw.
2. Draw a vertical line (B) that corresponds to the required air volume.
3. Calculate the estimated rotational speed and estimated air flow pressure curve (C) of the intersection point of the static pressure (A) and air flow rate (B) is required.
4. Estimates the estimated power curve (D) of the expected number of revolutions.
5. The expected power curve and the intersection of the vertical line corresponding to meet demand airflow to the power line coordinates to draw a horizontal line (E).
6. It is preferred to change the blower model and models for the efficient operation if it is not selected within a blower using the recommended upper limit (G) and using the recommended lower limit (F).

**Examples)** Selected static pressure(A) : 225 mmAq  
 Selected airflow rate(B) : 240 m³/min  
 Airflow pressure curve rotation is expected be selected static pressure and air flow (C), meet at the intersection of 2272rpm.  
 After drawing the expected power curve (D) corresponding to 2272 rpm for horizontal movement by a power value to meet the intersection of the vertical line and the air flow (E) is about 11.78kW.  
 The total efficiency is expected at this point is estimated to be about 76%.

At this time, the selected power is the power consumption of a purely impeller.  
 Therefore, when considering the safety factor selected motor and drive loss must be selected and 115-125% larger than the minimum.



# GMF-C series

## DUCT IN LINE FAN

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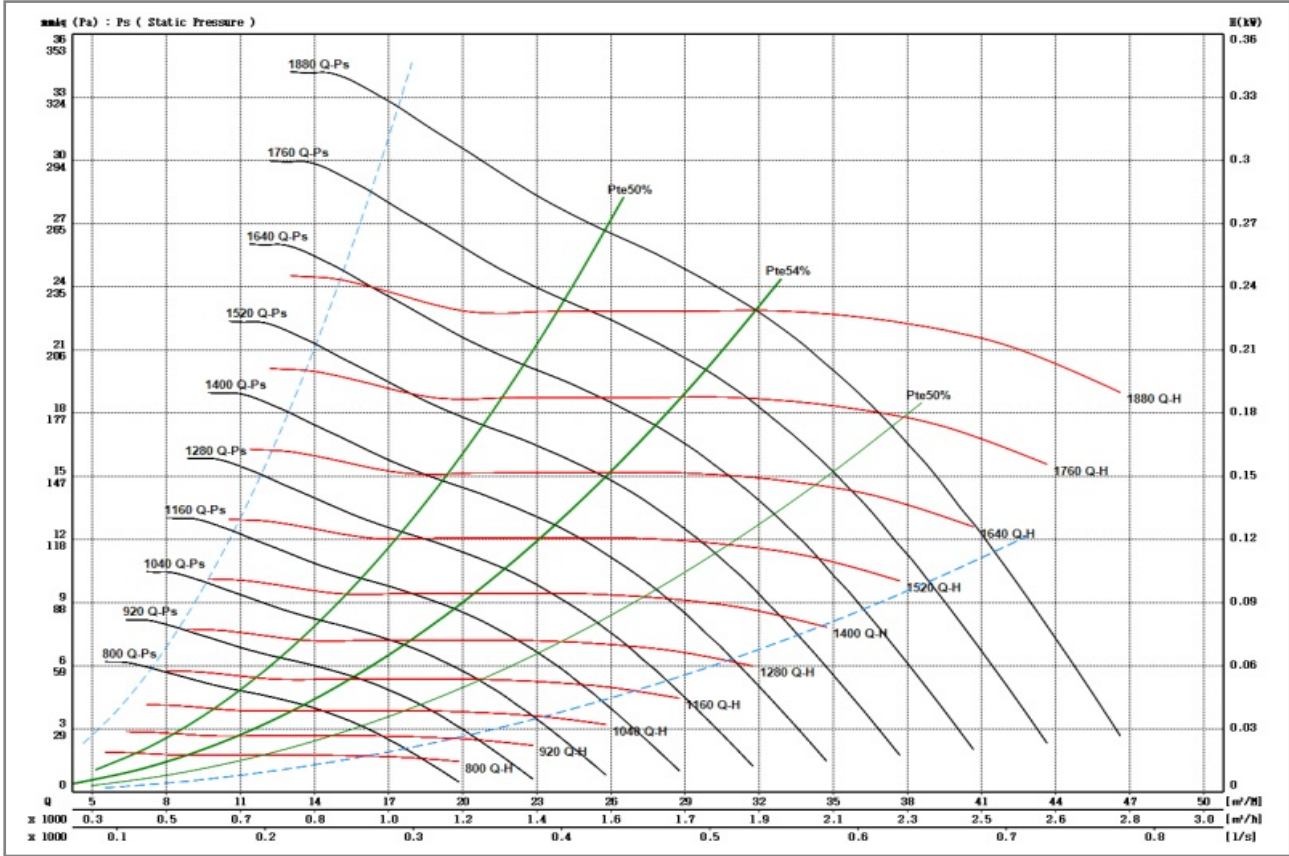


GMF-315 C

FEG 63

Blade Angle : 32°

|           |        |                           |             |     |             |                       |         |          |         |          |                |
|-----------|--------|---------------------------|-------------|-----|-------------|-----------------------|---------|----------|---------|----------|----------------|
| Wheel dia | 339 mm | Tip Speed = 0.01775 * rpm | Outlet Dim' | 450 | Outlet Area | 0.1590 m <sup>2</sup> | Class 1 | 3380 rpm | Class 2 | 4507 rpm | Not Applicable |
|-----------|--------|---------------------------|-------------|-----|-------------|-----------------------|---------|----------|---------|----------|----------------|



| Air flow (m³/min) | Outlet Vel (m/sec) | 2 mmAq ( 20 Pa) |       |                |     | 4 mmAq ( 39 Pa) |       |                |     | 6 mmAq ( 59 Pa) |       |                |     | 8 mmAq ( 78 Pa) |       |                |     | 10 mmAq ( 98 Pa) |       |                |     |
|-------------------|--------------------|-----------------|-------|----------------|-----|-----------------|-------|----------------|-----|-----------------|-------|----------------|-----|-----------------|-------|----------------|-----|------------------|-------|----------------|-----|
|                   |                    | rpm             | BkW   | η <sub>t</sub> | PWL | rpm             | BkW   | η <sub>t</sub> | PWL | rpm             | BkW   | η <sub>t</sub> | PWL | rpm             | BkW   | η <sub>t</sub> | PWL | rpm              | BkW   | η <sub>t</sub> | PWL |
| 12                | 1.26               |                 |       |                |     |                 |       |                |     | 885             | 0.024 | 49.3           | 59  | 989             | 0.033 | 46.6           | 61  | 1087             | 0.044 | 45.3           | 64  |
| 14                | 1.47               |                 |       |                |     | 802             | 0.018 | 53.5           | 57  | 916             | 0.026 | 52.3           | 59  | 1022            | 0.037 | 49.3           | 62  | 1125             | 0.049 | 47.9           | 64  |
| 16                | 1.68               |                 |       |                |     | 846             | 0.021 | 52.5           | 59  | 954             | 0.030 | 53.6           | 61  | 1057            | 0.041 | 52.3           | 63  | 1157             | 0.053 | 50.5           | 65  |
| 18                | 1.89               | 810             | 0.020 | 38.5           | 59  | 905             | 0.025 | 49.4           | 61  | 1004            | 0.035 | 53.1           | 63  | 1097            | 0.046 | 53.6           | 64  | 1182             | 0.057 | 52.3           | 66  |
| 20                | 2.10               | 870             | 0.021 | 35.4           | 61  | 967             | 0.030 | 46.8           | 63  | 1057            | 0.040 | 51.7           | 64  | 1140            | 0.051 | 53.5           | 65  | 1219             | 0.062 | 53.3           | 67  |
| 22                | 2.31               | 945             | 0.026 | 32.0           | 63  | 1030            | 0.036 | 43.1           | 65  | 1106            | 0.046 | 49.4           | 66  | 1190            | 0.058 | 52.5           | 67  | 1261             | 0.069 | 53.6           | 68  |
| 24                | 2.52               | 1023            | 0.033 | 28.2           | 65  | 1086            | 0.042 | 41.1           | 66  | 1164            | 0.053 | 48.2           | 67  | 1237            | 0.064 | 51.7           | 68  | 1303             | 0.076 | 53.1           | 69  |
| 26                | 2.72               | 1088            | 0.039 | 28.2           | 67  | 1153            | 0.049 | 38.5           | 68  | 1229            | 0.061 | 44.9           | 69  | 1293            | 0.073 | 49.4           | 69  | 1364             | 0.086 | 51.7           | 70  |
| 28                | 2.93               | 1171            | 0.048 | 23.9           | 69  | 1229            | 0.059 | 35.4           | 69  | 1289            | 0.070 | 43.1           | 70  | 1358            | 0.083 | 46.8           | 71  | 1408             | 0.094 | 50.6           | 71  |
| 30                | 3.14               | 1232            | 0.055 | 23.9           | 70  | 1305            | 0.069 | 32.0           | 71  | 1358            | 0.081 | 41.1           | 71  | 1419            | 0.094 | 44.9           | 72  | 1481             | 0.108 | 48.2           | 73  |
| 32                | 3.35               | 1314            | 0.066 | 18.8           | 72  | 1365            | 0.079 | 32.0           | 72  | 1420            | 0.092 | 38.5           | 73  | 1473            | 0.105 | 43.1           | 73  | 1530             | 0.119 | 46.8           | 74  |
| 34                | 3.56               | 1396            | 0.079 | 18.8           | 73  | 1450            | 0.092 | 28.2           | 74  | 1505            | 0.107 | 35.4           | 74  | 1539            | 0.118 | 41.1           | 75  | 1592             | 0.133 | 44.9           | 75  |

| Air flow (m³/min) | Outlet Vel (m/sec) | 12 mmAq ( 118 Pa) |       |                |     | 14 mmAq ( 137 Pa) |       |                |     | 16 mmAq ( 157 Pa) |       |                |     | 18 mmAq ( 177 Pa) |       |                |     | 20 mmAq ( 196 Pa) |       |                |     |
|-------------------|--------------------|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|
|                   |                    | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL |
| 12                | 1.26               | 1170              | 0.055 | 43.2           | 66  | 1242              | 0.068 | 40.5           | 67  | 1297              | 0.077 | 40.5           | 69  |                   |       |                |     |                   |       |                |     |
| 14                | 1.47               | 1212              | 0.061 | 46.6           | 66  | 1286              | 0.073 | 45.3           | 68  | 1351              | 0.085 | 43.2           | 69  | 1410              | 0.099 | 40.5           | 70  | 1484              | 0.115 | 40.5           | 72  |
| 16                | 1.68               | 1235              | 0.065 | 47.9           | 67  | 1310              | 0.077 | 46.6           | 68  | 1393              | 0.093 | 46.3           | 70  | 1458              | 0.106 | 45.3           | 71  | 1511              | 0.119 | 43.2           | 72  |
| 18                | 1.89               | 1267              | 0.070 | 50.5           | 67  | 1352              | 0.085 | 49.3           | 69  | 1423              | 0.099 | 47.9           | 70  | 1484              | 0.112 | 46.6           | 71  | 1562              | 0.131 | 46.6           | 73  |
| 20                | 2.10               | 1305              | 0.076 | 52.9           | 68  | 1383              | 0.091 | 51.4           | 69  | 1460              | 0.107 | 50.5           | 71  | 1533              | 0.124 | 49.3           | 72  | 1591              | 0.139 | 47.9           | 73  |
| 22                | 2.31               | 1341              | 0.083 | 53.6           | 69  | 1417              | 0.098 | 52.9           | 70  | 1488              | 0.113 | 52.3           | 71  | 1552              | 0.129 | 50.5           | 72  | 1616              | 0.145 | 49.3           | 73  |
| 24                | 2.52               | 1376              | 0.090 | 53.6           | 70  | 1458              | 0.107 | 53.6           | 71  | 1515              | 0.120 | 52.9           | 72  | 1586              | 0.137 | 52.3           | 73  | 1653              | 0.155 | 51.4           | 74  |
| 26                | 2.72               | 1425              | 0.099 | 53.1           | 71  | 1490              | 0.114 | 53.6           | 72  | 1559              | 0.131 | 53.6           | 73  | 1629              | 0.149 | 53.3           | 74  | 1693              | 0.167 | 52.9           | 74  |
| 28                | 2.93               | 1481              | 0.110 | 51.7           | 72  | 1539              | 0.125 | 53.1           | 73  | 1605              | 0.142 | 53.5           | 74  | 1654              | 0.156 | 53.6           | 74  | 1717              | 0.174 | 53.3           | 75  |
| 30                | 3.14               | 1539              | 0.123 | 50.6           | 73  | 1587              | 0.136 | 52.5           | 74  | 1645              | 0.153 | 53.1           | 75  | 1710              | 0.172 | 53.5           | 75  | 1769              | 0.191 | 53.6           | 76  |
| 32                | 3.35               | 1584              | 0.133 | 49.4           | 74  | 1649              | 0.152 | 50.6           | 75  | 1692              | 0.166 | 52.5           | 76  | 1745              | 0.182 | 53.1           | 76  | 1803              | 0.202 | 53.5           | 77  |
| 34                | 3.56               | 1649              | 0.150 | 48.2           | 76  | 1709              | 0.168 | 49.4           | 76  | 1752              | 0.182 | 50.6           | 77  | 1798              | 0.199 | 52.5           | 77  | 1845              | 0.216 | 53.1           | 77  |

- Air performance and Sound performance of can be changed without notice for performance and quality improvement.  
 - Power rating BkW does not include V-belt drive, motor efficiency and transmission losses.  
 - The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL(Lw(A)dB(A)) sound power levels for installation type B:(free inlet, Ducted outlet), Rating do not include the effect of duct end corrections.  
 - Performance certified for AMCA 210 Fig-12 & installation type B:(Free inlet, Ducted outlet), Performance ratings do not include the effects of appurtenance(Accessories).

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# GMF-C series

## DUCT IN LINE FAN

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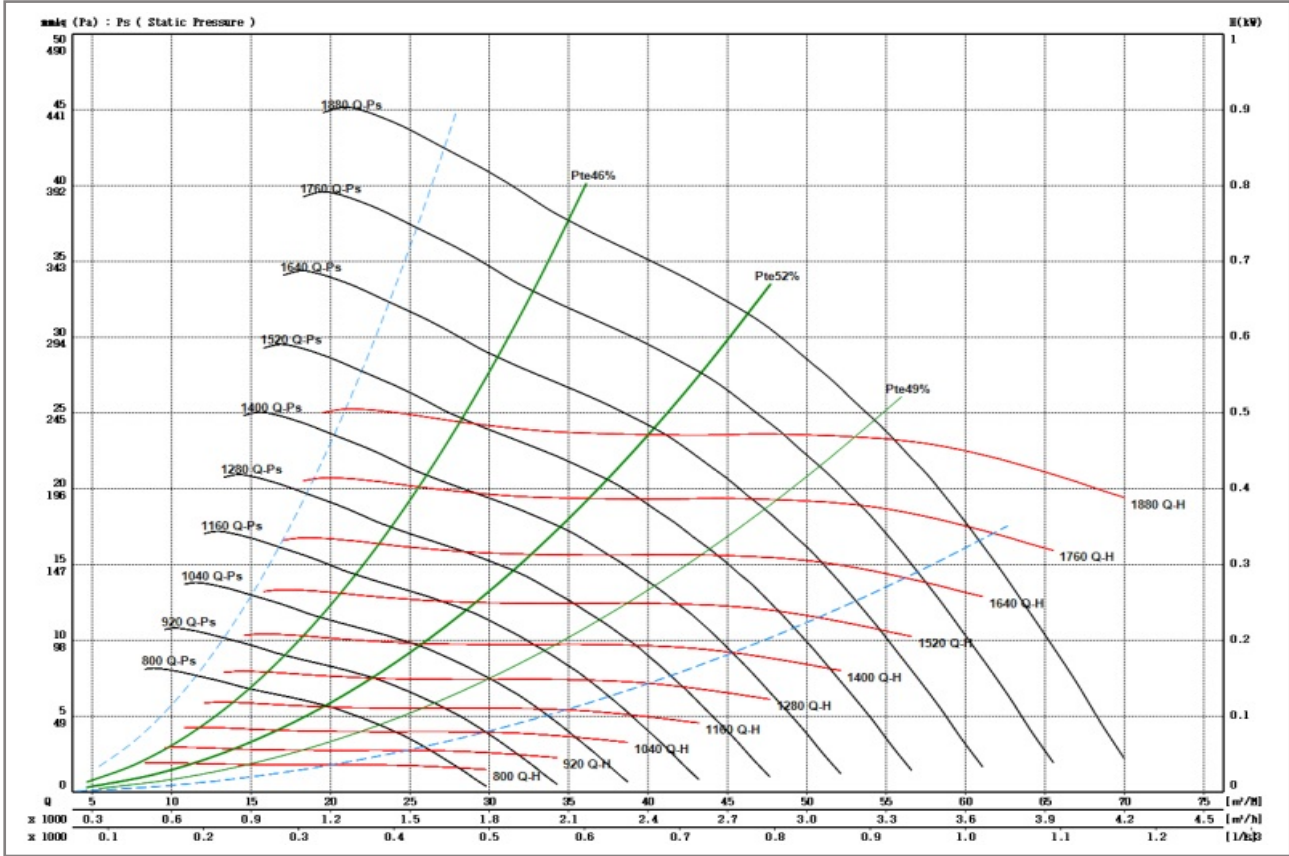


**GMF-350 C**

**FEG 56**

Blade Angle : 32°

|           |        |                            |             |     |             |                       |         |          |         |          |                |
|-----------|--------|----------------------------|-------------|-----|-------------|-----------------------|---------|----------|---------|----------|----------------|
| Wheel dia | 387 mm | Tip Speed = 0.020263 * rpm | Outlet Dim' | 500 | Outlet Area | 0.1963 m <sup>2</sup> | Class 1 | 2961 rpm | Class 2 | 3948 rpm | Not Applicable |
|-----------|--------|----------------------------|-------------|-----|-------------|-----------------------|---------|----------|---------|----------|----------------|



| Air flow (m³/min) | Outlet Vel (m/sec) | 3 mmAq ( 29 Pa) |       |                |     | 6 mmAq ( 59 Pa) |       |                |     | 9 mmAq ( 88 Pa) |       |                |     | 12 mmAq ( 118 Pa) |       |                |     | 15 mmAq ( 147 Pa) |       |                |     |  |
|-------------------|--------------------|-----------------|-------|----------------|-----|-----------------|-------|----------------|-----|-----------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|--|
|                   |                    | rpm             | BkW   | η <sub>t</sub> | PWL | rpm             | BkW   | η <sub>t</sub> | PWL | rpm             | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL |  |
| 12                | 1.02               |                 |       |                |     |                 |       |                |     | 830             | 0.042 | 39.3           | 60  |                   |       |                |     |                   |       |                |     |  |
| 15                | 1.27               |                 |       |                |     |                 |       |                |     | 894             | 0.052 | 43.5           | 61  | 1002              | 0.074 | 39.3           | 64  |                   |       |                |     |  |
| 18                | 1.53               |                 |       |                |     | 800             | 0.036 | 50.6           | 58  | 924             | 0.056 | 46.8           | 62  | 1044              | 0.082 | 44.5           | 65  | 1136              | 0.107 | 40.9           | 67  |  |
| 21                | 1.78               |                 |       |                |     | 829             | 0.041 | 52.1           | 61  | 962             | 0.063 | 50.6           | 63  | 1071              | 0.088 | 47.1           | 65  | 1172              | 0.116 | 44.5           | 67  |  |
| 24                | 2.04               |                 |       |                |     | 874             | 0.047 | 51.1           | 62  | 995             | 0.070 | 51.9           | 64  | 1108              | 0.097 | 50.3           | 66  | 1209              | 0.126 | 48.2           | 68  |  |
| 27                | 2.29               | 825             | 0.038 | 39.2           | 63  | 935             | 0.057 | 48.6           | 64  | 1037            | 0.079 | 51.9           | 66  | 1143              | 0.106 | 51.8           | 68  | 1242              | 0.136 | 50.6           | 69  |  |
| 30                | 2.55               | 894             | 0.047 | 35.7           | 65  | 991             | 0.068 | 46.5           | 66  | 1093            | 0.092 | 50.4           | 68  | 1184              | 0.118 | 51.9           | 69  | 1270              | 0.145 | 51.6           | 70  |  |
| 33                | 2.80               | 970             | 0.059 | 31.7           | 67  | 1057            | 0.081 | 43.5           | 68  | 1143            | 0.105 | 48.6           | 69  | 1234              | 0.133 | 51.1           | 70  | 1306              | 0.158 | 52.1           | 71  |  |
| 36                | 3.06               | 1034            | 0.071 | 31.7           | 69  | 1112            | 0.093 | 41.7           | 70  | 1198            | 0.120 | 46.5           | 71  | 1278              | 0.148 | 50.4           | 72  | 1354              | 0.176 | 51.5           | 73  |  |
| 39                | 3.31               | 1115            | 0.087 | 27.3           | 71  | 1175            | 0.108 | 39.2           | 71  | 1252            | 0.135 | 45.2           | 72  | 1330              | 0.165 | 48.6           | 73  | 1414              | 0.200 | 50.4           | 74  |  |
| 42                | 3.57               | 1179            | 0.103 | 27.3           | 72  | 1265            | 0.132 | 35.7           | 73  | 1321            | 0.158 | 43.5           | 74  | 1398              | 0.190 | 46.5           | 74  | 1455              | 0.217 | 49.5           | 75  |  |
| 45                | 3.82               | 1263            | 0.124 | 23.4           | 74  | 1324            | 0.151 | 34.7           | 75  | 1390            | 0.180 | 39.9           | 75  | 1446              | 0.208 | 45.2           | 76  | 1525              | 0.248 | 47.6           | 76  |  |

| Air flow (m³/min) | Outlet Vel (m/sec) | 18 mmAq ( 177 Pa) |       |                |     | 21 mmAq ( 206 Pa) |       |                |     | 24 mmAq ( 235 Pa) |       |                |     | 27 mmAq ( 265 Pa) |       |                |     | 30 mmAq ( 294 Pa) |       |                |     |  |
|-------------------|--------------------|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|--|
|                   |                    | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL |  |
| 12                | 1.02               |                   |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |  |
| 15                | 1.27               |                   |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |  |
| 18                | 1.53               | 1228              | 0.137 | 39.3           | 69  |                   |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |  |
| 21                | 1.78               | 1264              | 0.146 | 43.5           | 69  | 1338              | 0.175 | 40.9           | 71  | 1418              | 0.210 | 39.3           | 73  |                   |       |                |     |                   |       |                |     |  |
| 24                | 2.04               | 1292              | 0.154 | 45.5           | 70  | 1381              | 0.189 | 44.5           | 71  | 1452              | 0.222 | 42.6           | 73  | 1518              | 0.256 | 40.9           | 74  | 1589              | 0.295 | 39.8           | 76  |  |
| 27                | 2.29               | 1325              | 0.166 | 48.2           | 70  | 1412              | 0.201 | 46.8           | 72  | 1492              | 0.238 | 45.5           | 73  | 1565              | 0.275 | 44.5           | 74  | 1629              | 0.313 | 43.2           | 76  |  |
| 30                | 2.55               | 1361              | 0.179 | 50.6           | 71  | 1445              | 0.215 | 49.2           | 72  | 1525              | 0.253 | 47.8           | 74  | 1597              | 0.291 | 46.4           | 75  | 1668              | 0.332 | 45.5           | 76  |  |
| 33                | 2.80               | 1397              | 0.193 | 51.8           | 72  | 1470              | 0.226 | 50.6           | 73  | 1550              | 0.265 | 49.5           | 74  | 1623              | 0.304 | 48.2           | 75  | 1693              | 0.346 | 47.1           | 76  |  |
| 36                | 3.06               | 1430              | 0.208 | 52.1           | 74  | 1513              | 0.246 | 51.8           | 74  | 1590              | 0.285 | 51.2           | 75  | 1661              | 0.325 | 50.3           | 76  | 1728              | 0.367 | 49.2           | 77  |  |
| 39                | 3.31               | 1483              | 0.232 | 51.5           | 75  | 1545              | 0.262 | 52.1           | 75  | 1625              | 0.305 | 51.9           | 76  | 1693              | 0.344 | 51.4           | 77  | 1757              | 0.385 | 50.6           | 78  |  |
| 42                | 3.57               | 1530              | 0.254 | 50.9           | 76  | 1602              | 0.292 | 51.5           | 77  | 1658              | 0.324 | 52.1           | 77  | 1723              | 0.364 | 51.9           | 78  | 1792              | 0.409 | 51.6           | 79  |  |
| 45                | 3.82               | 1590              | 0.283 | 49.5           | 77  | 1642              | 0.314 | 50.9           | 78  | 1713              | 0.357 | 51.5           | 78  | 1773              | 0.397 | 52.0           | 79  | 1827              | 0.434 | 52.0           | 79  |  |

- Air performance and Sound performance of can be changed without notice for performance and quality improvement.  
 - Power rating BkW does not include V-belt drive, motor efficiency and transmission losses.  
 - The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL(LwA(dBA)) sound power levels for installation type B:(Free inlet, Ducted outlet), Rating do not include the effect of duct end corrections.  
 - Performance certified for AMCA 210 Fig-12 & installation type B:(Free inlet, Ducted outlet), Performance ratings do not include the effects of appurtenance(Accessories).

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# GMF-C series

## DUCT IN LINE FAN

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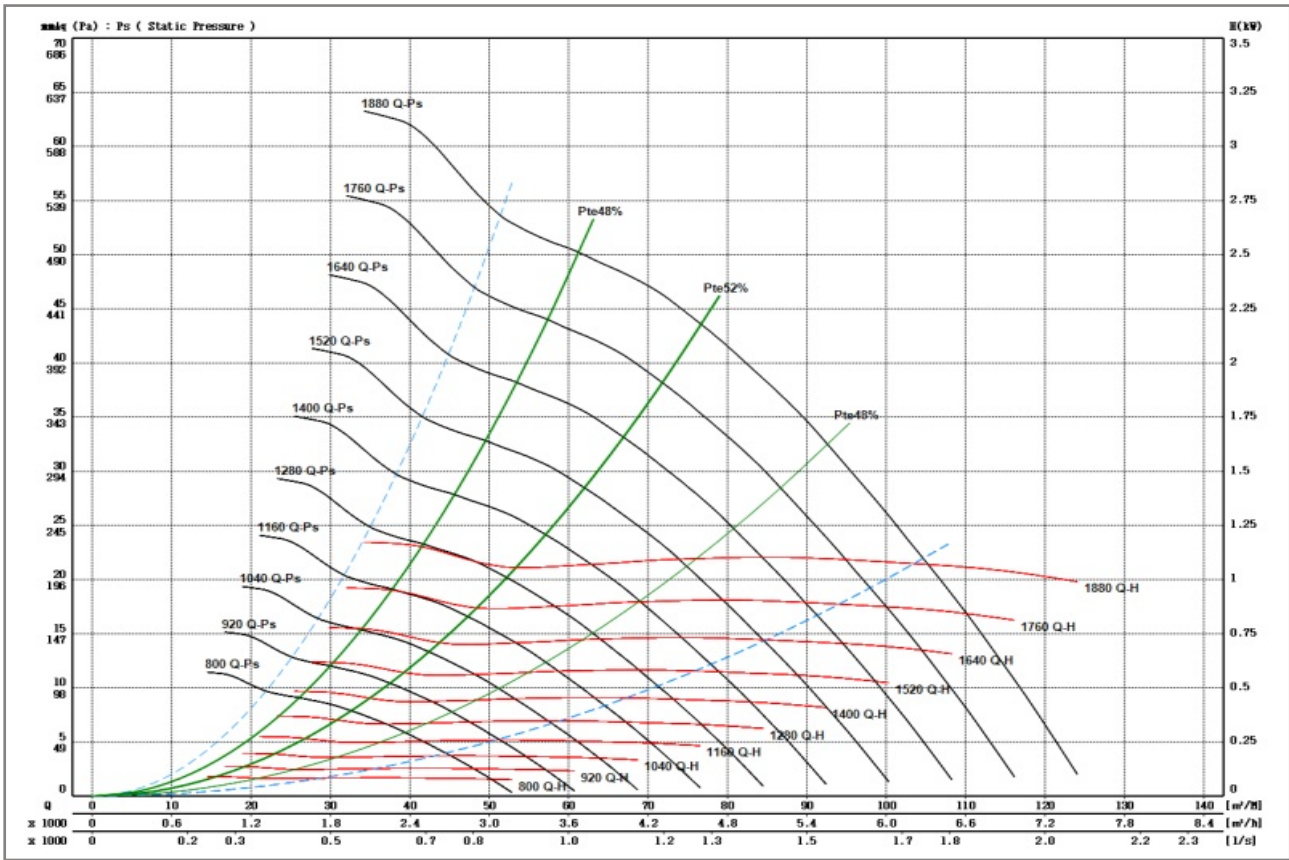


**GMF-400 C**

**FEG 56**

Blade Angle : 32°

|           |        |                            |             |     |             |                       |         |          |         |          |                |
|-----------|--------|----------------------------|-------------|-----|-------------|-----------------------|---------|----------|---------|----------|----------------|
| Wheel dia | 435 mm | Tip Speed = 0.022777 * rpm | Outlet Dim' | 550 | Outlet Area | 0.2376 m <sup>2</sup> | Class 1 | 2634 rpm | Class 2 | 3512 rpm | Not Applicable |
|-----------|--------|----------------------------|-------------|-----|-------------|-----------------------|---------|----------|---------|----------|----------------|



| Air flow (m³/min) | Outlet Vel (m/sec) | 3 mmAq ( 29 Pa) |       |                |     | 6 mmAq ( 59 Pa) |       |                |     | 9 mmAq ( 88 Pa) |       |                |     | 12 mmAq ( 118 Pa) |       |                |     | 15 mmAq ( 147 Pa) |       |                |     |
|-------------------|--------------------|-----------------|-------|----------------|-----|-----------------|-------|----------------|-----|-----------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|
|                   |                    | rpm             | BkW   | η <sub>t</sub> | PWL | rpm             | BkW   | η <sub>t</sub> | PWL | rpm             | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL |
| 30                | 2.10               |                 |       |                |     |                 |       |                |     | 818             | 0.090 | 50.9           | 63  | 920               | 0.125 | 48.3           | 67  | 1010              | 0.164 | 45.3           | 69  |
| 35                | 2.46               |                 |       |                |     |                 |       |                |     | 858             | 0.105 | 51.6           | 65  | 949               | 0.140 | 51.0           | 67  | 1034              | 0.178 | 48.8           | 69  |
| 40                | 2.81               |                 |       |                |     | 812             | 0.088 | 47.6           | 65  | 899             | 0.121 | 51.0           | 67  | 982               | 0.156 | 51.6           | 68  | 1061              | 0.196 | 51.0           | 70  |
| 45                | 3.16               | 800             | 0.082 | 38.5           | 66  | 866             | 0.107 | 45.4           | 67  | 944             | 0.140 | 49.8           | 69  | 1032              | 0.182 | 51.1           | 70  | 1103              | 0.222 | 51.6           | 71  |
| 50                | 3.51               | 842             | 0.095 | 32.3           | 68  | 927             | 0.129 | 42.5           | 69  | 1003            | 0.166 | 47.6           | 70  | 1077              | 0.207 | 50.0           | 71  | 1146              | 0.250 | 51.3           | 72  |
| 55                | 3.86               | 904             | 0.116 | 30.2           | 70  | 988             | 0.155 | 39.3           | 71  | 1061            | 0.196 | 45.4           | 72  | 1124              | 0.235 | 48.7           | 73  | 1192              | 0.281 | 50.3           | 74  |
| 60                | 4.21               | 980             | 0.147 | 26.9           | 72  | 1045            | 0.183 | 37.7           | 72  | 1121            | 0.229 | 42.9           | 73  | 1189              | 0.276 | 46.5           | 74  | 1246              | 0.320 | 49.1           | 75  |
| 65                | 4.56               | 1039            | 0.174 | 25.8           | 73  | 1107            | 0.217 | 35.2           | 74  | 1178            | 0.264 | 40.9           | 75  | 1239              | 0.311 | 45.0           | 76  | 1295              | 0.358 | 47.6           | 76  |
| 70                | 4.91               | 1119            | 0.216 | 23.3           | 75  | 1184            | 0.263 | 32.3           | 76  | 1244            | 0.310 | 38.5           | 76  | 1304              | 0.360 | 42.9           | 77  | 1360              | 0.412 | 45.7           | 78  |
| 75                | 5.26               | 1189            | 0.258 | 21.9           | 77  | 1242            | 0.302 | 30.2           | 77  | 1306            | 0.357 | 36.5           | 78  | 1360              | 0.407 | 40.9           | 78  | 1414              | 0.461 | 44.0           | 79  |
| 80                | 5.61               | 1253            | 0.301 | 20.6           | 78  | 1315            | 0.356 | 28.6           | 78  | 1365            | 0.405 | 35.2           | 79  | 1425              | 0.465 | 38.5           | 79  | 1470              | 0.516 | 42.5           | 80  |
| 85                | 5.96               | 1322            | 0.353 | 19.9           | 79  | 1385            | 0.415 | 26.9           | 80  | 1436            | 0.470 | 32.8           | 80  | 1481              | 0.521 | 37.3           | 81  | 1533              | 0.582 | 40.5           | 81  |

| Air flow (m³/min) | Outlet Vel (m/sec) | 18 mmAq ( 177 Pa) |       |                |     | 21 mmAq ( 206 Pa) |       |                |     | 24 mmAq ( 235 Pa) |       |                |     | 27 mmAq ( 265 Pa) |       |                |     | 30 mmAq ( 294 Pa) |       |                |     |  |
|-------------------|--------------------|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|--|
|                   |                    | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL |  |
| 30                | 2.10               | 1092              | 0.208 | 43.4           | 71  |                   |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |  |
| 35                | 2.46               | 1117              | 0.223 | 46.9           | 71  | 1195              | 0.272 | 45.3           | 73  | 1261              | 0.320 | 43.4           | 75  |                   |       |                |     |                   |       |                |     |  |
| 40                | 2.81               | 1140              | 0.240 | 49.6           | 72  | 1218              | 0.291 | 48.3           | 73  | 1290              | 0.343 | 46.9           | 75  | 1355              | 0.396 | 45.3           | 77  | 1417              | 0.453 | 44.2           | 78  |  |
| 45                | 3.16               | 1174              | 0.266 | 51.4           | 72  | 1243              | 0.313 | 50.4           | 74  | 1314              | 0.367 | 49.3           | 75  | 1381              | 0.423 | 48.3           | 77  | 1443              | 0.480 | 46.9           | 78  |  |
| 50                | 3.51               | 1217              | 0.298 | 51.6           | 73  | 1278              | 0.343 | 51.5           | 74  | 1343              | 0.397 | 51.0           | 76  | 1406              | 0.452 | 50.2           | 77  | 1469              | 0.513 | 49.3           | 78  |  |
| 55                | 3.86               | 1261              | 0.333 | 51.1           | 75  | 1317              | 0.378 | 51.6           | 75  | 1383              | 0.437 | 51.6           | 76  | 1438              | 0.489 | 51.4           | 77  | 1497              | 0.549 | 50.9           | 78  |  |
| 60                | 4.21               | 1301              | 0.366 | 50.4           | 76  | 1365              | 0.423 | 51.1           | 77  | 1421              | 0.476 | 51.5           | 77  | 1473              | 0.528 | 51.6           | 78  | 1528              | 0.587 | 51.5           | 79  |  |
| 65                | 4.56               | 1358              | 0.415 | 49.1           | 77  | 1410              | 0.466 | 50.3           | 78  | 1468              | 0.525 | 51.0           | 79  | 1523              | 0.586 | 51.4           | 79  | 1574              | 0.645 | 51.6           | 80  |  |
| 70                | 4.91               | 1415              | 0.467 | 47.6           | 78  | 1463              | 0.519 | 49.2           | 79  | 1512              | 0.574 | 50.3           | 80  | 1566              | 0.638 | 50.8           | 80  | 1614              | 0.698 | 51.3           | 81  |  |
| 75                | 5.26               | 1464              | 0.516 | 46.2           | 79  | 1522              | 0.582 | 47.9           | 80  | 1567              | 0.638 | 49.2           | 81  | 1615              | 0.699 | 50.0           | 81  | 1665              | 0.767 | 50.7           | 82  |  |
| 80                | 5.61               | 1524              | 0.578 | 44.4           | 81  | 1574              | 0.641 | 46.5           | 81  | 1624              | 0.706 | 47.9           | 82  | 1669              | 0.770 | 49.1           | 82  | 1712              | 0.833 | 50.0           | 83  |  |
| 85                | 5.96               | 1587              | 0.650 | 42.9           | 82  | 1627              | 0.705 | 45.4           | 82  | 1681              | 0.780 | 46.5           | 83  | 1725              | 0.847 | 47.9           | 83  | 1762              | 0.906 | 49.1           | 84  |  |

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 - Power rating BkW does not include V-belt drive, motor efficiency and transmission losses.  
 - The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL(LwiA(dBA)) sound power levels for installation type B:(free inlet, Ducted outlet), Rating do not include the effect of duct end corrections.  
 - Performance certified for AMCA 210 Fig-12 & installation type B:(Free inlet, Ducted outlet), Performance ratings do not include the effects of appurtenance(Accessories).

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# GMF-C series

## DUCT IN LINE FAN

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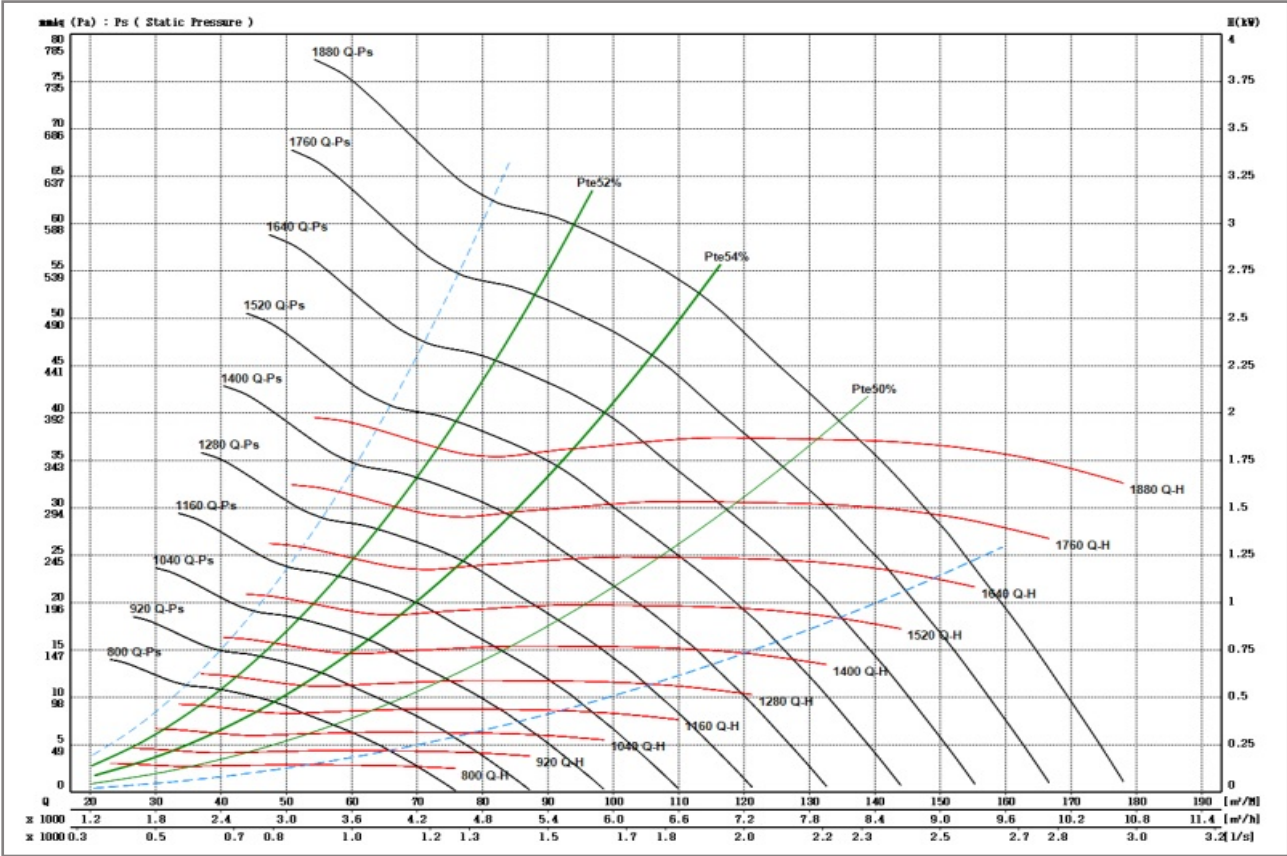


**GMF-450 C**

**FEG 56**

Blade Angle : 32°

|           |        |                            |             |     |             |                       |         |          |         |          |                |
|-----------|--------|----------------------------|-------------|-----|-------------|-----------------------|---------|----------|---------|----------|----------------|
| Wheel dia | 485 mm | Tip Speed = 0.025395 * rpm | Outlet Dim' | 630 | Outlet Area | 0.3117 m <sup>2</sup> | Class 1 | 2363 rpm | Class 2 | 3150 rpm | Not Applicable |
|-----------|--------|----------------------------|-------------|-----|-------------|-----------------------|---------|----------|---------|----------|----------------|



| Air flow (m³/min) | Outlet Vel (m/sec) | 4 mmAq ( 39 Pa) |       |                |     | 8 mmAq ( 78 Pa) |       |                |     | 12 mmAq ( 118 Pa) |       |                |     | 16 mmAq ( 157 Pa) |       |                |     | 20 mmAq ( 196 Pa) |       |                |     |
|-------------------|--------------------|-----------------|-------|----------------|-----|-----------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|
|                   |                    | rpm             | BkW   | η <sub>t</sub> | PWL | rpm             | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL |
| 40                | 2.14               |                 |       |                |     |                 |       |                |     | 835               | 0.158 | 51.2           | 67  | 923               | 0.210 | 48.2           | 69  |                   |       |                |     |
| 47.5              | 2.54               |                 |       |                |     |                 |       |                |     | 863               | 0.178 | 53.6           | 69  | 969               | 0.248 | 51.8           | 71  | 1069              | 0.326 | 48.8           | 73  |
| 55                | 2.94               |                 |       |                |     | 809             | 0.149 | 51.8           | 69  | 905               | 0.209 | 54.3           | 71  | 999               | 0.277 | 53.9           | 72  | 1090              | 0.355 | 52.4           | 74  |
| 62.5              | 3.34               |                 |       |                |     | 861             | 0.179 | 49.6           | 71  | 954               | 0.244 | 53.0           | 73  | 1039              | 0.316 | 54.3           | 74  | 1122              | 0.393 | 54.0           | 75  |
| 70                | 3.74               | 830             | 0.154 | 35.7           | 72  | 917             | 0.215 | 47.1           | 73  | 1005              | 0.285 | 51.4           | 74  | 1088              | 0.362 | 53.3           | 75  | 1163              | 0.443 | 54.3           | 76  |
| 77.5              | 4.14               | 897             | 0.193 | 33.9           | 74  | 984             | 0.263 | 43.9           | 75  | 1062              | 0.335 | 49.3           | 76  | 1143              | 0.419 | 51.8           | 77  | 1212              | 0.501 | 53.4           | 78  |
| 85                | 4.54               | 966             | 0.239 | 30.9           | 76  | 1045            | 0.313 | 41.3           | 77  | 1123              | 0.394 | 47.1           | 77  | 1192              | 0.475 | 50.4           | 78  | 1263              | 0.566 | 52.2           | 79  |
| 92.5              | 4.95               | 1045            | 0.299 | 28.1           | 78  | 1117            | 0.379 | 38.3           | 78  | 1180              | 0.455 | 44.9           | 79  | 1253              | 0.549 | 48.5           | 80  | 1317              | 0.640 | 51.0           | 81  |
| 100               | 5.35               | 1113            | 0.358 | 26.4           | 79  | 1185            | 0.448 | 36.1           | 80  | 1243              | 0.529 | 42.8           | 81  | 1308              | 0.623 | 46.7           | 81  | 1372              | 0.722 | 49.3           | 82  |
| 107.5             | 5.75               | 1188            | 0.433 | 24.5           | 81  | 1248            | 0.520 | 33.9           | 81  | 1309              | 0.613 | 40.2           | 82  | 1368              | 0.708 | 44.6           | 82  | 1431              | 0.817 | 47.6           | 83  |
| 115               | 6.15               | 1268            | 0.523 | 23.2           | 83  | 1321            | 0.612 | 32.0           | 83  | 1376              | 0.707 | 38.3           | 83  | 1430              | 0.805 | 42.8           | 84  | 1492              | 0.921 | 45.8           | 84  |
| 122.5             | 6.55               | 1343            | 0.616 | 21.3           | 84  | 1395            | 0.715 | 29.8           | 84  | 1450              | 0.822 | 36.1           | 85  | 1500              | 0.924 | 40.6           | 85  | 1555              | 1.038 | 43.9           | 86  |

| Air flow (m³/min) | Outlet Vel (m/sec) | 24 mmAq ( 235 Pa) |       |                |     | 28 mmAq ( 275 Pa) |       |                |     | 32 mmAq ( 314 Pa) |       |                |     | 36 mmAq ( 353 Pa) |       |                |     | 40 mmAq ( 392 Pa) |       |                |     |  |
|-------------------|--------------------|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|--|
|                   |                    | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL |  |
| 40                | 2.14               |                   |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |  |
| 47.5              | 2.54               |                   |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |  |
| 55                | 2.94               | 1177              | 0.440 | 50.4           | 75  | 1261              | 0.534 | 48.2           | 77  | 1357              | 0.671 | 49.8           | 79  | 1430              | 0.779 | 48.2           | 80  |                   |       |                |     |  |
| 62.5              | 3.34               | 1202              | 0.478 | 52.9           | 76  | 1279              | 0.570 | 51.6           | 78  | 1357              | 0.671 | 49.8           | 79  | 1430              | 0.779 | 48.2           | 80  |                   |       |                |     |  |
| 70                | 3.74               | 1234              | 0.524 | 54.1           | 77  | 1311              | 0.622 | 53.4           | 78  | 1379              | 0.718 | 52.4           | 79  | 1447              | 0.822 | 51.2           | 81  | 1517              | 0.937 | 49.8           | 82  |  |
| 77.5              | 4.14               | 1277              | 0.585 | 54.3           | 79  | 1343              | 0.678 | 54.2           | 79  | 1409              | 0.776 | 53.6           | 80  | 1476              | 0.885 | 53.0           | 81  | 1539              | 0.996 | 52.2           | 82  |  |
| 85                | 4.54               | 1329              | 0.660 | 53.4           | 80  | 1383              | 0.745 | 54.3           | 81  | 1450              | 0.855 | 54.3           | 81  | 1509              | 0.959 | 54.0           | 82  | 1571              | 1.074 | 53.5           | 83  |  |
| 92.5              | 4.95               | 1377              | 0.734 | 52.4           | 81  | 1439              | 0.839 | 53.3           | 82  | 1490              | 0.932 | 54.1           | 83  | 1548              | 1.043 | 54.3           | 83  | 1605              | 1.158 | 54.2           | 84  |  |
| 100               | 5.35               | 1435              | 0.828 | 51.1           | 83  | 1489              | 0.928 | 52.4           | 83  | 1548              | 1.043 | 53.2           | 84  | 1595              | 1.142 | 54.0           | 84  | 1646              | 1.254 | 54.3           | 85  |  |
| 107.5             | 5.75               | 1490              | 0.926 | 49.6           | 84  | 1543              | 1.030 | 51.3           | 84  | 1598              | 1.146 | 52.2           | 85  | 1648              | 1.258 | 53.0           | 85  | 1697              | 1.377 | 53.7           | 86  |  |
| 115               | 6.15               | 1542              | 1.024 | 48.2           | 85  | 1600              | 1.147 | 49.9           | 85  | 1650              | 1.261 | 51.3           | 86  | 1700              | 1.380 | 52.1           | 86  | 1748              | 1.502 | 52.9           | 87  |  |
| 122.5             | 6.55               | 1603              | 1.145 | 46.7           | 86  | 1657              | 1.270 | 48.5           | 86  | 1708              | 1.395 | 50.0           | 87  | 1757              | 1.521 | 51.1           | 88  | 1804              | 1.647 | 51.9           | 88  |  |

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 - The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL(Lw(A)dB(A)) sound power levels for installation type B:(free inlet, Ducted outlet), Rating do not include the effect of duct end corrections.  
 - Performance certified for AMCA 210 Fig-12 & installation type B:(Free inlet, Ducted outlet), Performance ratings do not include the effects of appurtenance(Accessories).

GMF-C\_Version 10.5\_October,2015

# GMF-C series

## DUCT IN LINE FAN

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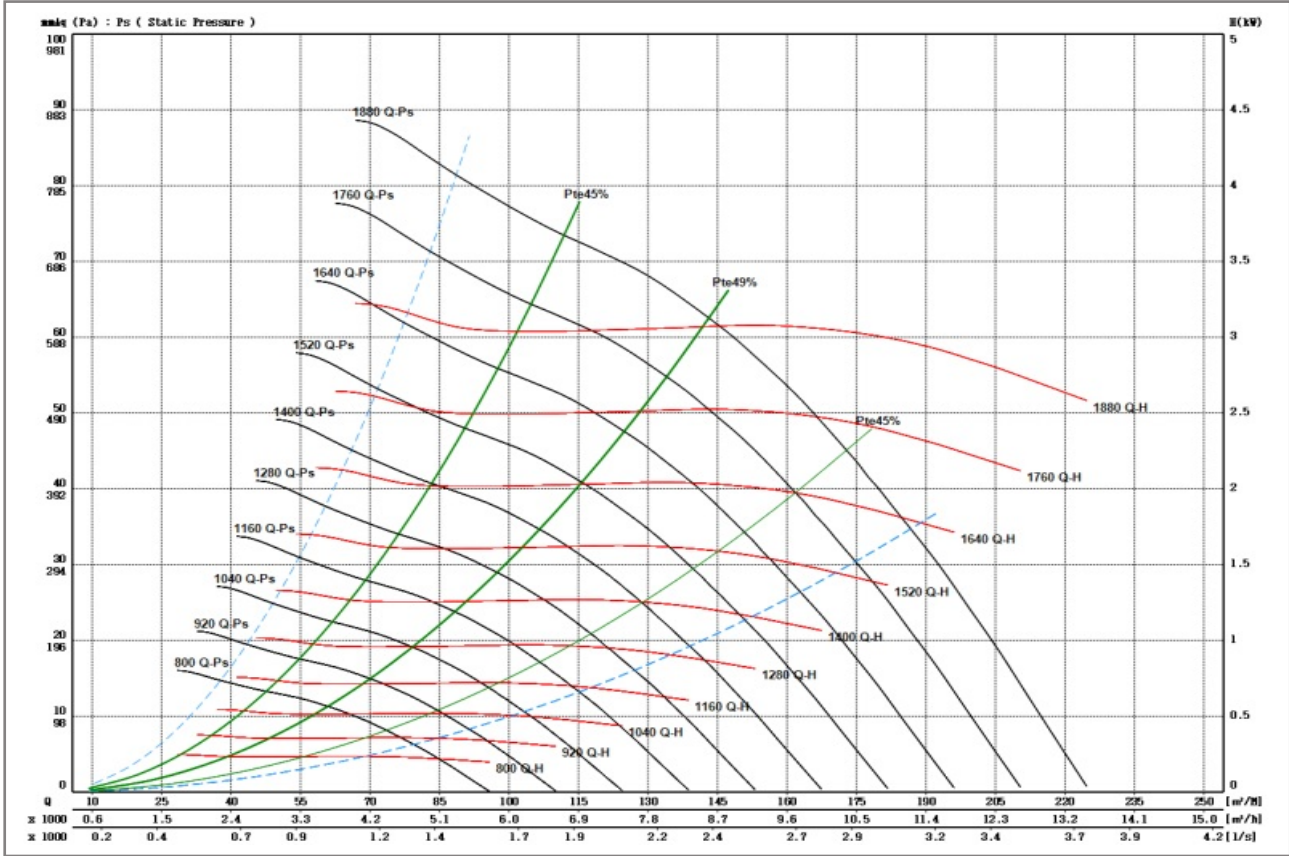


GMF-500C

FEG 50

Blade Angle : 32°

|           |        |                            |             |     |             |                       |         |          |         |          |                |
|-----------|--------|----------------------------|-------------|-----|-------------|-----------------------|---------|----------|---------|----------|----------------|
| Wheel dia | 543 mm | Tip Speed = 0.028431 * rpm | Outlet Dim' | 700 | Outlet Area | 0.3848 m <sup>2</sup> | Class 1 | 2110 rpm | Class 2 | 2814 rpm | Not Applicable |
|-----------|--------|----------------------------|-------------|-----|-------------|-----------------------|---------|----------|---------|----------|----------------|



| Air flow (m <sup>3</sup> /min) | Outlet Vel (m/sec) | 5 mmAq ( 49 Pa) |       |                |     | 10 mmAq ( 98 Pa) |       |                |     | 15 mmAq ( 147 Pa) |       |                |     | 20 mmAq ( 196 Pa) |       |                |     | 25 mmAq ( 245 Pa) |       |                |     |  |
|--------------------------------|--------------------|-----------------|-------|----------------|-----|------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|--|
|                                |                    | rpm             | BkW   | η <sub>t</sub> | PWL | rpm              | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL |  |
| 40                             | 1.73               |                 |       |                |     |                  |       |                |     | 813               | 0.248 | 39.7           | 72  |                   |       |                |     |                   |       |                |     |  |
| 50                             | 2.17               |                 |       |                |     |                  |       |                |     | 847               | 0.279 | 44.8           | 74  | 952               | 0.396 | 41.7           | 76  | 1045              | 0.527 | 39.4           | 79  |  |
| 60                             | 2.60               |                 |       |                |     |                  |       |                |     | 879               | 0.313 | 48.5           | 75  | 985               | 0.438 | 45.6           | 77  | 1081              | 0.578 | 43.4           | 80  |  |
| 70                             | 3.03               |                 |       |                |     | 814              | 0.250 | 48.0           | 73  | 920               | 0.360 | 49.4           | 76  | 1019              | 0.486 | 48.7           | 78  | 1110              | 0.627 | 46.5           | 81  |  |
| 80                             | 3.46               |                 |       |                |     | 876              | 0.309 | 45.4           | 75  | 971               | 0.425 | 48.6           | 78  | 1058              | 0.547 | 49.4           | 80  | 1143              | 0.687 | 48.8           | 82  |  |
| 90                             | 3.90               | 848             | 0.264 | 33.4           | 75  | 941              | 0.377 | 42.5           | 77  | 1027              | 0.500 | 47.1           | 79  | 1106              | 0.627 | 48.9           | 81  | 1185              | 0.770 | 49.4           | 83  |  |
| 100                            | 4.33               | 923             | 0.333 | 29.5           | 77  | 1007             | 0.457 | 40.2           | 79  | 1088              | 0.588 | 44.9           | 81  | 1159              | 0.720 | 47.8           | 83  | 1232              | 0.868 | 49.0           | 84  |  |
| 110                            | 4.76               | 1002            | 0.422 | 27.7           | 80  | 1075             | 0.548 | 37.2           | 81  | 1150              | 0.690 | 42.9           | 83  | 1218              | 0.831 | 46.1           | 84  | 1287              | 0.986 | 48.0           | 85  |  |
| 120                            | 5.20               | 1075            | 0.517 | 25.6           | 82  | 1145             | 0.653 | 34.9           | 83  | 1217              | 0.807 | 40.4           | 84  | 1285              | 0.967 | 44.2           | 85  | 1344              | 1.117 | 46.6           | 86  |  |
| 130                            | 5.63               | 1152            | 0.630 | 23.4           | 84  | 1225             | 0.789 | 32.3           | 85  | 1284              | 0.938 | 38.5           | 86  | 1345              | 1.101 | 42.3           | 87  | 1408              | 1.278 | 44.9           | 87  |  |
| 140                            | 6.06               | 1236            | 0.773 | 21.9           | 85  | 1294             | 0.921 | 30.1           | 86  | 1357              | 1.095 | 36.4           | 87  | 1413              | 1.263 | 40.2           | 88  | 1471              | 1.444 | 43.1           | 89  |  |
| 150                            | 6.50               | 1314            | 0.923 | 20.4           | 87  | 1370             | 1.086 | 28.6           | 87  | 1430              | 1.266 | 33.9           | 88  | 1482              | 1.444 | 38.5           | 89  | 1538              | 1.637 | 41.3           | 90  |  |

| Air flow (m <sup>3</sup> /min) | Outlet Vel (m/sec) | 30 mmAq ( 294 Pa) |       |                |     | 35 mmAq ( 343 Pa) |       |                |     | 40 mmAq ( 392 Pa) |       |                |     | 45 mmAq ( 441 Pa) |       |                |     | 50 mmAq ( 490 Pa) |       |                |     |  |
|--------------------------------|--------------------|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|--|
|                                |                    | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL |  |
| 40                             | 1.73               |                   |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |  |
| 50                             | 2.17               |                   |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |  |
| 60                             | 2.60               | 1164              | 0.722 | 41.5           | 82  | 1239              | 0.875 | 39.7           | 83  |                   |       |                |     |                   |       |                |     |                   |       |                |     |  |
| 70                             | 3.03               | 1196              | 0.783 | 44.5           | 83  | 1274              | 0.946 | 42.9           | 84  | 1347              | 1.119 | 41.7           | 85  | 1413              | 1.295 | 40.4           | 86  | 1475              | 1.482 | 39.1           | 87  |  |
| 80                             | 3.46               | 1227              | 0.849 | 47.5           | 83  | 1307              | 1.022 | 46.0           | 85  | 1379              | 1.200 | 44.3           | 86  | 1446              | 1.384 | 43.0           | 87  | 1509              | 1.575 | 42.0           | 88  |  |
| 90                             | 3.90               | 1262              | 0.926 | 49.1           | 84  | 1335              | 1.093 | 48.1           | 85  | 1408              | 1.280 | 46.8           | 86  | 1478              | 1.479 | 45.6           | 87  | 1544              | 1.687 | 44.5           | 88  |  |
| 100                            | 4.33               | 1308              | 1.035 | 49.4           | 85  | 1374              | 1.197 | 49.2           | 86  | 1441              | 1.376 | 48.7           | 87  | 1509              | 1.580 | 47.9           | 88  | 1574              | 1.789 | 46.8           | 89  |  |
| 110                            | 4.76               | 1353              | 1.150 | 48.9           | 86  | 1419              | 1.323 | 49.4           | 87  | 1482              | 1.504 | 49.4           | 88  | 1545              | 1.701 | 49.1           | 89  | 1605              | 1.903 | 48.5           | 90  |  |
| 120                            | 5.20               | 1410              | 1.297 | 48.0           | 87  | 1471              | 1.475 | 48.8           | 88  | 1528              | 1.653 | 49.3           | 88  | 1587              | 1.847 | 49.4           | 89  | 1644              | 2.050 | 49.2           | 90  |  |
| 130                            | 5.63               | 1465              | 1.449 | 46.8           | 88  | 1523              | 1.634 | 48.0           | 89  | 1578              | 1.822 | 48.8           | 89  | 1634              | 2.022 | 49.2           | 90  | 1688              | 2.228 | 49.4           | 91  |  |
| 140                            | 6.06               | 1526              | 1.628 | 45.2           | 89  | 1583              | 1.827 | 46.8           | 90  | 1634              | 2.017 | 47.9           | 90  | 1686              | 2.222 | 48.6           | 91  | 1739              | 2.441 | 49.1           | 92  |  |
| 150                            | 6.50               | 1589              | 1.825 | 43.7           | 90  | 1643              | 2.031 | 45.4           | 91  | 1692              | 2.232 | 46.8           | 92  | 1739              | 2.431 | 47.8           | 92  | 1790              | 2.659 | 48.4           | 93  |  |

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 - Power rating BkW does not include V-belt drive, motor efficiency and transmission losses.  
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# GMF-C series

## DUCT IN LINE FAN

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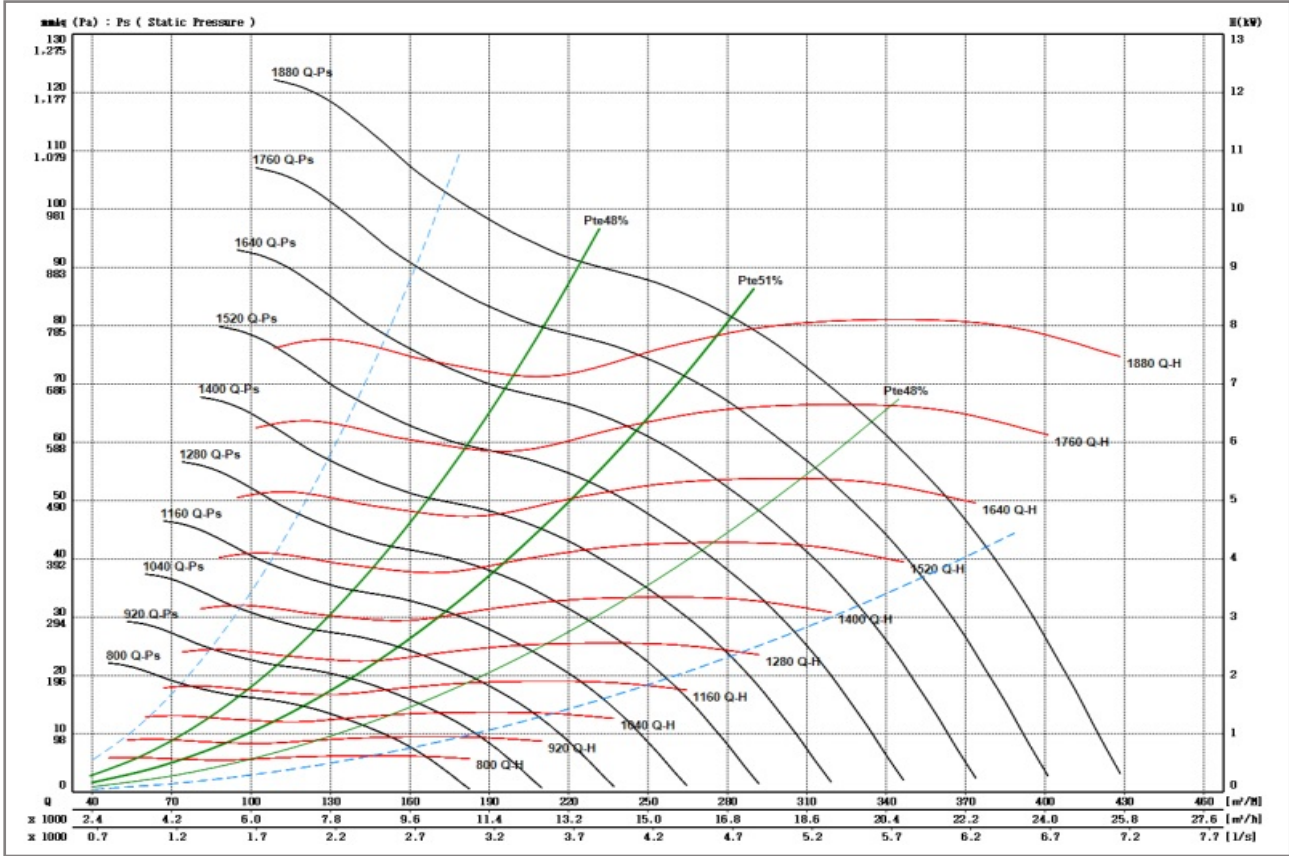


GMF-560C

FEG 53

Blade Angle : 32°

|           |        |                            |             |     |             |                       |         |          |         |          |                |
|-----------|--------|----------------------------|-------------|-----|-------------|-----------------------|---------|----------|---------|----------|----------------|
| Wheel dia | 611 mm | Tip Speed = 0.031992 * rpm | Outlet Dim' | 800 | Outlet Area | 0.5027 m <sup>2</sup> | Class 1 | 1875 rpm | Class 2 | 2501 rpm | Not Applicable |
|-----------|--------|----------------------------|-------------|-----|-------------|-----------------------|---------|----------|---------|----------|----------------|



| Air flow (m³/min) | Outlet Vel (m/sec) | 7 mmAq ( 69 Pa) |       |                |     | 14 mmAq ( 137 Pa) |       |                |     | 21 mmAq ( 206 Pa) |       |                |     | 28 mmAq ( 275 Pa) |       |                |     | 35 mmAq ( 343 Pa) |       |                |     |
|-------------------|--------------------|-----------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|
|                   |                    | rpm             | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL |
| 95                | 3.15               |                 |       |                |     |                   |       |                |     | 884               | 0.741 | 45.5           | 75  | 990               | 1.065 | 41.7           | 79  |                   |       |                |     |
| 110               | 3.65               |                 |       |                |     |                   |       |                |     | 906               | 0.813 | 48.4           | 77  | 1020              | 1.140 | 45.5           | 79  | 1116              | 1.515 | 42.7           | 82  |
| 125               | 4.14               |                 |       |                |     | 800               | 0.614 | 50.6           | 75  | 923               | 0.902 | 50.1           | 77  | 1043              | 1.236 | 48.1           | 80  | 1143              | 1.604 | 45.9           | 83  |
| 140               | 4.64               |                 |       |                |     | 834               | 0.704 | 49.7           | 77  | 948               | 1.005 | 50.7           | 79  | 1060              | 1.348 | 49.8           | 81  | 1167              | 1.728 | 48.1           | 83  |
| 155               | 5.14               |                 |       |                |     | 876               | 0.821 | 48.3           | 78  | 980               | 1.133 | 50.5           | 80  | 1083              | 1.486 | 50.6           | 82  | 1183              | 1.867 | 49.6           | 84  |
| 170               | 5.64               | 827             | 0.680 | 36.7           | 80  | 923               | 0.960 | 46.4           | 80  | 1019              | 1.285 | 49.7           | 82  | 1113              | 1.646 | 50.7           | 83  | 1204              | 2.029 | 50.5           | 85  |
| 185               | 6.13               | 883             | 0.822 | 34.3           | 82  | 970               | 1.111 | 44.6           | 82  | 1059              | 1.448 | 48.7           | 83  | 1148              | 1.828 | 50.3           | 84  | 1234              | 2.232 | 50.7           | 86  |
| 200               | 6.63               | 944             | 0.998 | 31.9           | 83  | 1022              | 1.298 | 42.3           | 84  | 1104              | 1.640 | 47.3           | 84  | 1187              | 2.032 | 49.5           | 85  | 1265              | 2.438 | 50.5           | 87  |
| 215               | 7.13               | 100             | 1.186 | 30.1           | 85  | 1073              | 1.496 | 40.4           | 85  | 1150              | 1.855 | 45.7           | 86  | 1227              | 2.253 | 48.6           | 87  | 1304              | 2.689 | 49.9           | 88  |
| 230               | 7.63               | 106             | 1.411 | 28.2           | 86  | 1130              | 1.738 | 38.2           | 86  | 1199              | 2.099 | 44.1           | 87  | 1271              | 2.507 | 47.4           | 88  | 1343              | 2.949 | 49.2           | 89  |
| 245               | 8.12               | 112             | 1.665 | 26.6           | 87  | 1185              | 1.999 | 36.3           | 88  | 1251              | 2.383 | 42.3           | 88  | 1319              | 2.802 | 46.0           | 89  | 1386              | 3.247 | 48.3           | 90  |
| 260               | 8.62               | 118             | 1.943 | 25.7           | 89  | 1242              | 2.291 | 34.7           | 89  | 1303              | 2.681 | 40.7           | 89  | 1367              | 3.112 | 44.6           | 90  | 1430              | 3.573 | 47.1           | 91  |

| Air flow (m³/min) | Outlet Vel (m/sec) | 42 mmAq ( 412 Pa) |       |                |     | 49 mmAq ( 481 Pa) |       |                |     | 56 mmAq ( 549 Pa) |       |                |     | 63 mmAq ( 618 Pa) |       |                |     | 70 mmAq ( 686 Pa) |       |                |     |  |
|-------------------|--------------------|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|--|
|                   |                    | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL |  |
| 95                | 3.15               |                   |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |  |
| 110               | 3.65               | 1194              | 1.881 | 40.6           | 84  |                   |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |  |
| 125               | 4.14               | 1232              | 2.024 | 43.6           | 85  | 1308              | 2.460 | 41.5           | 86  |                   |       |                |     |                   |       |                |     |                   |       |                |     |  |
| 140               | 4.64               | 1259              | 2.139 | 46.4           | 85  | 1340              | 2.592 | 44.5           | 87  | 1412              | 3.067 | 42.7           | 88  | 1481              | 3.573 | 41.3           | 90  |                   |       |                |     |  |
| 155               | 5.14               | 1280              | 2.291 | 48.3           | 86  | 1366              | 2.740 | 46.9           | 87  | 1441              | 3.217 | 45.4           | 88  | 1511              | 3.731 | 43.8           | 90  | 1576              | 4.274 | 42.5           | 91  |  |
| 170               | 5.64               | 1296              | 2.455 | 49.6           | 86  | 1385              | 2.914 | 48.5           | 87  | 1467              | 3.402 | 47.4           | 89  | 1539              | 3.910 | 46.2           | 90  | 1606              | 4.458 | 44.9           | 91  |  |
| 185               | 6.13               | 1318              | 2.653 | 50.5           | 87  | 1402              | 3.123 | 49.8           | 88  | 1485              | 3.617 | 48.9           | 89  | 1561              | 4.123 | 47.8           | 90  | 1631              | 4.661 | 46.8           | 92  |  |
| 200               | 6.63               | 1345              | 2.877 | 50.7           | 88  | 1423              | 3.344 | 50.5           | 89  | 1502              | 3.852 | 49.9           | 90  | 1578              | 4.367 | 49.1           | 91  | 1652              | 4.922 | 48.3           | 92  |  |
| 215               | 7.13               | 1377              | 3.137 | 50.6           | 88  | 1451              | 3.611 | 50.7           | 89  | 1524              | 4.109 | 50.5           | 90  | 1597              | 4.655 | 50.0           | 91  | 1669              | 5.210 | 49.4           | 92  |  |
| 230               | 7.63               | 1414              | 3.417 | 50.2           | 89  | 1482              | 3.899 | 50.6           | 90  | 1552              | 4.423 | 50.7           | 91  | 1620              | 4.961 | 50.6           | 92  | 1688              | 5.524 | 50.2           | 93  |  |
| 245               | 8.12               | 1454              | 3.734 | 49.5           | 90  | 1519              | 4.235 | 50.3           | 91  | 1583              | 4.754 | 50.7           | 92  | 1647              | 5.287 | 50.7           | 93  | 1711              | 5.856 | 50.6           | 93  |  |
| 260               | 8.62               | 1494              | 4.059 | 48.8           | 91  | 1556              | 4.577 | 49.7           | 92  | 1618              | 5.118 | 50.3           | 93  | 1680              | 5.680 | 50.6           | 93  | 1739              | 6.237 | 50.7           | 94  |  |

- Air performance and Sound performance of can be changed without notice for performance and quality improvement.  
 - Power rating BkW does not include V-belt drive, motor efficiency and transmission losses.  
 - The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL(LwA(dBA)) sound power levels for installation type B:(free inlet, Ducted outlet), Rating do not include the effect of duct end corrections.  
 - Performance certified for AMCA 210 Fig-12 & installation type B:(Free inlet, Ducted outlet), Performance ratings do not include the effects of appurtenance(Accessories).

GMF-C\_Version 10.5\_October,2015



# GMF-C series

## DUCT IN LINE FAN

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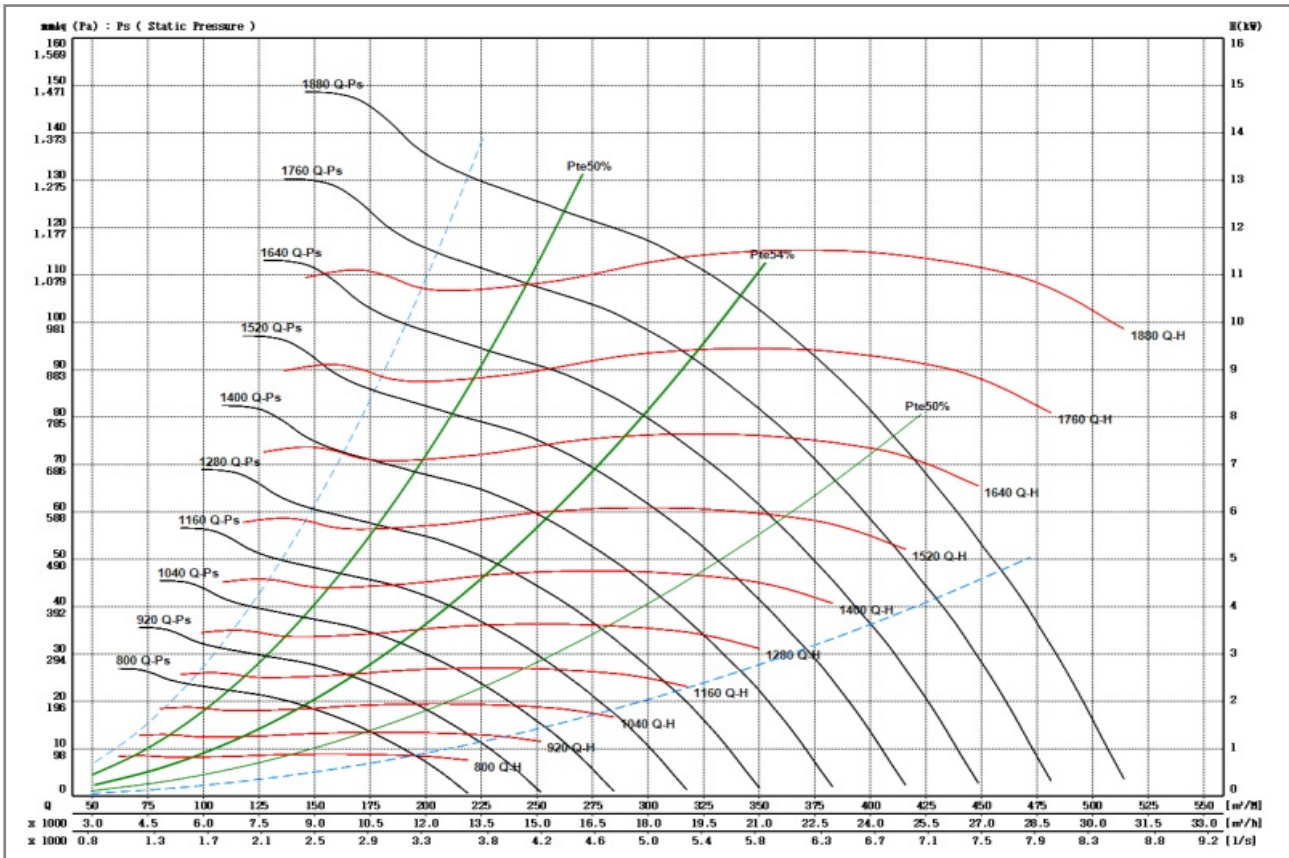


GMF-630C

FEG 56

Blade Angle : 32°

|           |        |                            |             |     |             |                       |         |          |         |          |                |
|-----------|--------|----------------------------|-------------|-----|-------------|-----------------------|---------|----------|---------|----------|----------------|
| Wheel dia | 677 mm | Tip Speed = 0.035448 * rpm | Outlet Dim' | 850 | Outlet Area | 0.5675 m <sup>2</sup> | Class 1 | 1693 rpm | Class 2 | 2257 rpm | Not Applicable |
|-----------|--------|----------------------------|-------------|-----|-------------|-----------------------|---------|----------|---------|----------|----------------|



| Air flow (m³/min) | Outlet Vel (m/sec) | 10 mmAq ( 98 Pa) |       |                |     | 20 mmAq ( 196 Pa) |       |                |     | 30 mmAq ( 294 Pa) |       |                |     | 40 mmAq ( 392 Pa) |       |                |     | 50 mmAq ( 490 Pa) |       |                |     |
|-------------------|--------------------|------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|
|                   |                    | rpm              | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL |
| 140               | 4.11               |                  |       |                |     | 802               | 0.889 | 54.4           | 77  | 938               | 1.372 | 51.7           | 80  | 1060              | 1.937 | 48.5           | 83  | 1167              | 2.556 | 45.6           | 86  |
| 160               | 4.70               |                  |       |                |     | 842               | 1.034 | 54.2           | 79  | 963               | 1.524 | 53.8           | 81  | 1081              | 2.101 | 51.6           | 84  | 1188              | 2.736 | 49.1           | 86  |
| 180               | 5.29               |                  |       |                |     | 886               | 1.205 | 53.1           | 81  | 998               | 1.718 | 54.5           | 83  | 1105              | 2.296 | 53.6           | 85  | 1210              | 2.951 | 51.7           | 87  |
| 200               | 5.87               | 829              | 0.955 | 41.7           | 82  | 937               | 1.419 | 51.2           | 83  | 1039              | 1.943 | 54.1           | 84  | 1137              | 2.534 | 54.4           | 86  | 1233              | 3.190 | 53.5           | 88  |
| 220               | 6.46               | 891              | 1.172 | 39.0           | 84  | 989               | 1.659 | 49.0           | 85  | 1085              | 2.216 | 53.1           | 86  | 1176              | 2.819 | 54.4           | 87  | 1264              | 3.476 | 54.3           | 89  |
| 240               | 7.05               | 956              | 1.434 | 36.0           | 86  | 1046              | 1.948 | 46.5           | 87  | 1133              | 2.516 | 51.6           | 87  | 1221              | 3.157 | 53.7           | 89  | 1302              | 3.822 | 54.4           | 90  |
| 260               | 7.64               | 1021             | 1.727 | 33.8           | 88  | 1104              | 2.277 | 44.3           | 88  | 1187              | 2.880 | 49.8           | 89  | 1267              | 3.521 | 52.7           | 90  | 1345              | 4.219 | 54.0           | 91  |
| 280               | 8.22               | 1089             | 2.072 | 31.6           | 90  | 1166              | 2.658 | 41.9           | 90  | 1243              | 3.281 | 48.0           | 91  | 1317              | 3.951 | 51.3           | 91  | 1392              | 4.673 | 53.2           | 92  |
| 300               | 8.81               | 1155             | 2.458 | 30.1           | 91  | 1226              | 3.069 | 39.9           | 92  | 1299              | 3.722 | 46.0           | 92  | 1369              | 4.418 | 49.8           | 92  | 1438              | 5.146 | 52.2           | 93  |
| 320               | 9.40               | 1223             | 2.890 | 28.5           | 93  | 1289              | 3.542 | 37.9           | 93  | 1358              | 4.232 | 44.1           | 93  | 1426              | 4.964 | 48.2           | 94  | 1489              | 5.701 | 51.0           | 94  |
| 340               | 9.99               | 1293             | 3.388 | 26.8           | 94  | 1354              | 4.067 | 36.0           | 94  | 1418              | 4.788 | 42.3           | 94  | 1482              | 5.544 | 46.5           | 95  | 1544              | 6.326 | 49.6           | 95  |
| 360               | 10.57              | 1363             | 3.949 | 25.6           | 95  | 1418              | 4.638 | 34.4           | 95  | 1480              | 5.403 | 40.5           | 96  | 1540              | 6.185 | 44.9           | 96  | 1599              | 6.998 | 48.0           | 96  |

| Air flow (m³/min) | Outlet Vel (m/sec) | 60 mmAq ( 588 Pa) |       |                |     | 70 mmAq ( 686 Pa) |       |                |     | 80 mmAq ( 785 Pa) |       |                |     | 90 mmAq ( 883 Pa) |       |                |     | 100 mmAq ( 981 Pa) |       |                |     |  |
|-------------------|--------------------|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|--------------------|-------|----------------|-----|--|
|                   |                    | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm                | BkW   | η <sub>t</sub> | PWL |  |
| 140               | 4.11               |                   |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |                    |       |                |     |  |
| 160               | 4.70               | 1286              | 3.432 | 46.8           | 88  | 1374              | 4.168 | 44.8           | 90  |                   |       |                |     |                   |       |                |     |                    |       |                |     |  |
| 180               | 5.29               | 1307              | 3.656 | 49.7           | 89  | 1396              | 4.414 | 47.8           | 90  | 1479              | 5.221 | 46.1           | 92  |                   |       |                |     |                    |       |                |     |  |
| 200               | 5.87               | 1328              | 3.917 | 52.0           | 89  | 1418              | 4.687 | 50.3           | 91  | 1501              | 5.505 | 48.7           | 92  | 1578              | 6.366 | 47.2           | 93  | 1653               | 7.279 | 46.0           | 94  |  |
| 220               | 6.46               | 1352              | 4.207 | 53.5           | 90  | 1438              | 4.986 | 52.2           | 91  | 1523              | 5.837 | 50.9           | 92  | 1600              | 6.705 | 49.6           | 93  | 1674               | 7.629 | 48.3           | 94  |  |
| 240               | 7.05               | 1385              | 4.564 | 54.3           | 91  | 1464              | 5.354 | 53.6           | 92  | 1543              | 6.183 | 52.6           | 93  | 1622              | 7.098 | 51.6           | 94  | 1696               | 8.025 | 50.4           | 95  |  |
| 260               | 7.64               | 1422              | 4.971 | 54.5           | 92  | 1496              | 5.760 | 54.3           | 92  | 1571              | 6.620 | 53.8           | 93  | 1643              | 7.497 | 53.0           | 94  | 1716               | 8.455 | 52.0           | 95  |  |
| 280               | 8.22               | 1464              | 5.442 | 54.1           | 92  | 1534              | 6.237 | 54.5           | 93  | 1603              | 7.094 | 54.4           | 94  | 1672              | 7.992 | 53.9           | 95  | 1740               | 8.950 | 53.3           | 96  |  |
| 300               | 8.81               | 1509              | 5.954 | 53.5           | 94  | 1576              | 6.780 | 54.2           | 94  | 1641              | 7.645 | 54.5           | 95  | 1706              | 8.553 | 54.4           | 96  | 1770               | 9.516 | 54.0           | 96  |  |
| 320               | 9.40               | 1554              | 6.507 | 52.7           | 95  | 1620              | 7.382 | 53.6           | 95  | 1682              | 8.251 | 54.2           | 96  | 1743              | 9.167 | 54.4           | 96  | 1805               | 10.15 | 54.4           | 97  |  |
| 340               | 9.99               | 1604              | 7.143 | 51.6           | 96  | 1666              | 8.011 | 52.9           | 96  | 1727              | 8.938 | 53.7           | 97  | 1785              | 9.869 | 54.2           | 97  | 1844               | 10.85 | 54.4           | 98  |  |
| 360               | 10.57              | 1657              | 7.842 | 50.3           | 97  | 1715              | 8.731 | 52.0           | 97  | 1772              | 9.659 | 53.1           | 98  | 1830              | 10.63 | 53.7           | 98  |                    |       |                |     |  |

- Air performance and Sound performance of can be changed without notice for performance and quality improvement.  
 - Power rating BkW does not include V-belt drive, motor efficiency and transmission losses.  
 - The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL(Lw(A)dB(A)) sound power levels for installation type B:(free inlet, Ducted outlet), Rating do not include the effect of duct end corrections.  
 - Performance certified for AMCA 210 Fig-12 & installation type B:(Free inlet, Ducted outlet), Performance ratings do not include the effects of appurtenance(Accessories).

# GMF-C series

## DUCT IN LINE FAN

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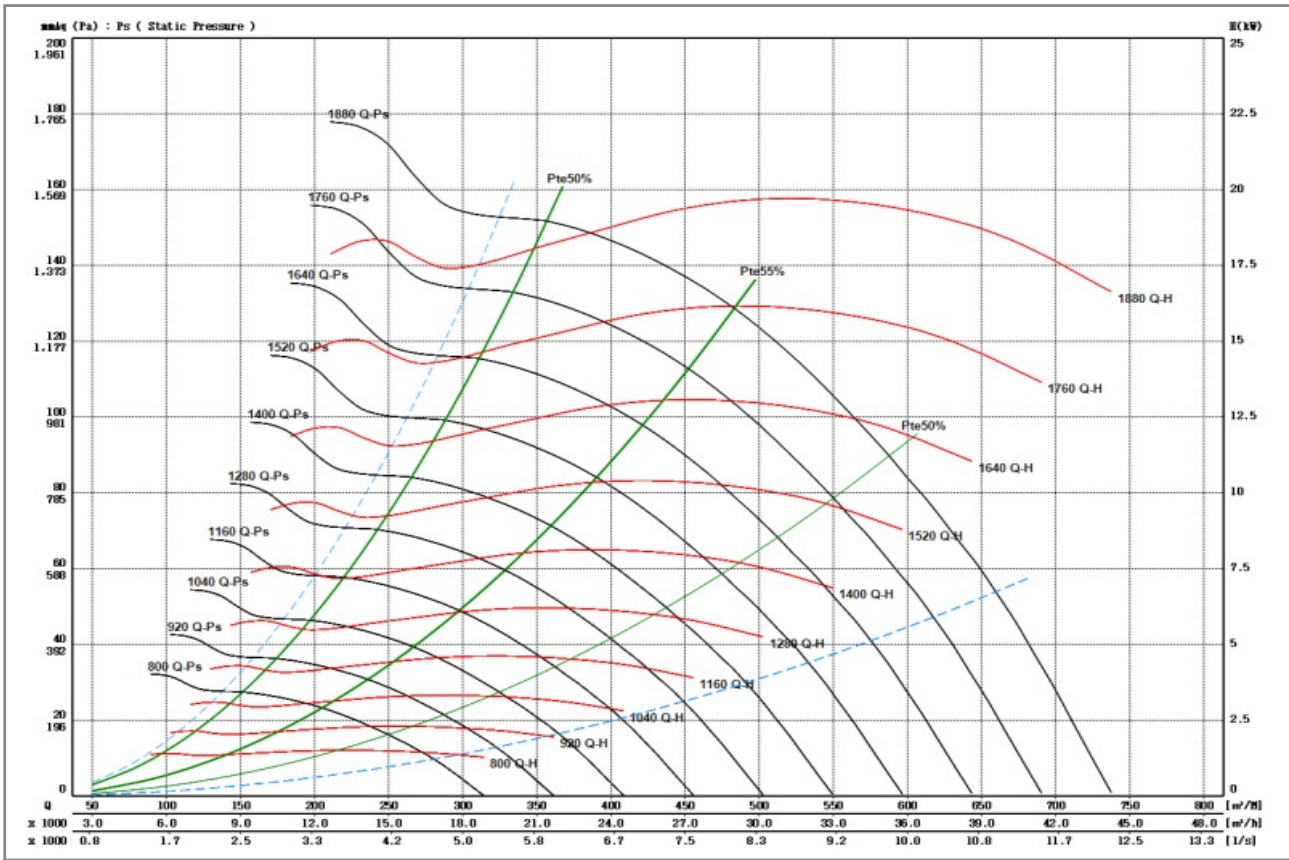


GMF-710C

FEG 56

Blade Angle : 32°

|           |        |                            |             |     |             |                       |         |          |         |          |                |
|-----------|--------|----------------------------|-------------|-----|-------------|-----------------------|---------|----------|---------|----------|----------------|
| Wheel dia | 762 mm | Tip Speed = 0.039898 * rpm | Outlet Dim' | 950 | Outlet Area | 0.7088 m <sup>2</sup> | Class 1 | 1504 rpm | Class 2 | 2005 rpm | Not Applicable |
|-----------|--------|----------------------------|-------------|-----|-------------|-----------------------|---------|----------|---------|----------|----------------|



| Air flow (m³/min) | Outlet Vel (m/sec) | 10 mmAq ( 98 Pa) |       |                |     | 20 mmAq ( 196 Pa) |       |                |     | 30 mmAq ( 294 Pa) |       |                |     | 40 mmAq ( 392 Pa) |       |                |     | 50 mmAq ( 490 Pa) |       |                |     |  |
|-------------------|--------------------|------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|--|
|                   |                    | rpm              | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL |  |
| 175               | 4.11               |                  |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |  |
| 200               | 4.70               |                  |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |  |
| 225               | 5.29               |                  |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |  |
| 250               | 5.88               |                  |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |  |
| 275               | 6.47               |                  |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |  |
| 300               | 7.05               | 845              | 1.674 | 38.1           | 86  | 931               | 2.342 | 48.2           | 88  | 1015              | 3.087 | 52.4           | 89  | 1093              | 3.871 | 54.4           | 91  | 1170              | 4.724 | 54.9           | 92  |  |
| 325               | 7.64               | 903              | 2.015 | 35.6           | 88  | 981               | 2.713 | 46.0           | 89  | 1059              | 3.492 | 51.0           | 90  | 1135              | 4.328 | 53.5           | 92  | 1207              | 5.205 | 54.6           | 93  |  |
| 350               | 8.23               | 960              | 2.405 | 33.5           | 89  | 1035              | 3.151 | 43.9           | 91  | 1107              | 3.957 | 49.4           | 92  | 1178              | 4.828 | 52.3           | 93  | 1246              | 5.739 | 54.0           | 94  |  |
| 375               | 8.82               | 1020             | 2.857 | 31.8           | 91  | 1085              | 3.605 | 42.0           | 92  | 1155              | 4.455 | 47.7           | 93  | 1223              | 5.377 | 51.0           | 94  | 1288              | 6.325 | 53.0           | 95  |  |
| 400               | 9.41               | 1080             | 3.362 | 29.9           | 92  | 1140              | 4.143 | 40.0           | 93  | 1206              | 5.038 | 45.8           | 94  | 1271              | 5.994 | 49.6           | 95  | 1332              | 6.968 | 51.9           | 96  |  |
| 425               | 9.99               | 1139             | 3.922 | 28.2           | 94  | 1198              | 4.762 | 38.1           | 94  | 1257              | 5.665 | 44.2           | 95  | 1318              | 6.647 | 48.2           | 96  | 1378              | 7.681 | 50.7           | 97  |  |
| 450               | 10.58              | 1201             | 4.568 | 27.1           | 95  | 1253              | 5.415 | 36.5           | 96  | 1311              | 6.368 | 42.5           | 96  | 1368              | 7.383 | 46.7           | 97  | 1426              | 8.466 | 49.4           | 98  |  |

| Air flow (m³/min) | Outlet Vel (m/sec) | 60 mmAq ( 588 Pa) |       |                |     | 70 mmAq ( 686 Pa) |       |                |     | 80 mmAq ( 785 Pa) |       |                |     | 90 mmAq ( 883 Pa) |       |                |     | 100 mmAq ( 981 Pa) |       |                |     |  |
|-------------------|--------------------|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|-------------------|-------|----------------|-----|--------------------|-------|----------------|-----|--|
|                   |                    | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm               | BkW   | η <sub>t</sub> | PWL | rpm                | BkW   | η <sub>t</sub> | PWL |  |
| 175               | 4.11               |                   |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |                    |       |                |     |  |
| 200               | 4.70               |                   |       |                |     |                   |       |                |     |                   |       |                |     |                   |       |                |     |                    |       |                |     |  |
| 225               | 5.29               | 1182              | 4.527 | 50.1           | 90  | 1273              | 5.531 | 47.6           | 92  | 1362              | 6.849 | 48.8           | 94  | 1443              | 8.003 | 46.9           | 95  |                    |       |                |     |  |
| 250               | 5.88               | 1198              | 4.831 | 52.6           | 91  | 1281              | 5.793 | 50.8           | 92  | 1362              | 6.849 | 48.8           | 94  | 1443              | 8.003 | 46.9           | 95  |                    |       |                |     |  |
| 275               | 6.47               | 1220              | 5.211 | 53.8           | 92  | 1298              | 6.160 | 52.8           | 93  | 1373              | 7.190 | 51.5           | 94  | 1448              | 8.309 | 50.1           | 95  | 1522               | 9.516 | 48.3           | 97  |  |
| 300               | 7.05               | 1246              | 5.651 | 54.6           | 93  | 1321              | 6.634 | 54.0           | 94  | 1392              | 7.653 | 53.1           | 95  | 1462              | 8.740 | 52.1           | 96  | 1531               | 9.910 | 50.9           | 97  |  |
| 325               | 7.64               | 1277              | 6.142 | 54.9           | 94  | 1348              | 7.151 | 54.6           | 95  | 1416              | 8.196 | 54.1           | 96  | 1483              | 9.284 | 53.4           | 96  | 1548               | 10.44 | 52.6           | 97  |  |
| 350               | 8.23               | 1312              | 6.691 | 54.7           | 95  | 1379              | 7.725 | 54.9           | 96  | 1443              | 8.799 | 54.7           | 96  | 1508              | 9.927 | 54.2           | 97  | 1570               | 11.08 | 53.7           | 98  |  |
| 375               | 8.82               | 1351              | 7.319 | 54.2           | 96  | 1413              | 8.361 | 54.8           | 96  | 1474              | 9.440 | 54.9           | 97  | 1535              | 10.60 | 54.7           | 98  | 1595               | 11.80 | 54.4           | 98  |  |
| 400               | 9.41               | 1392              | 7.993 | 53.4           | 96  | 1451              | 9.069 | 54.3           | 97  | 1509              | 10.17 | 54.8           | 98  | 1567              | 11.35 | 54.9           | 98  | 1624               | 12.57 | 54.8           | 99  |  |
| 425               | 9.99               | 1436              | 8.754 | 52.4           | 97  | 1492              | 9.845 | 53.7           | 98  | 1548              | 11.00 | 54.4           | 99  | 1602              | 12.17 | 54.8           | 99  | 1656               | 13.41 | 54.9           | 100 |  |
| 450               | 10.58              | 1480              | 9.542 | 51.4           | 98  | 1535              | 10.70 | 52.8           | 99  | 1588              | 11.87 | 53.8           | 99  | 1639              | 13.07 | 54.4           | 100 | 1691               | 14.32 | 54.7           | 100 |  |

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 - Power rating BkW does not include V-belt drive, motor efficiency and transmission losses.  
 - The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL(Lw(A)dB(A)) sound power levels for installation type B:(free inlet, Ducted outlet), Rating do not include the effect of duct end corrections.  
 - Performance certified for AMCA 210 Fig-12 & installation type B:(Free inlet, Ducted outlet), Performance ratings do not include the effects of appurtenance(Accessories).

GMF-C\_Version 10.5\_October,2015



# GMF-C series

## DUCT IN LINE FAN

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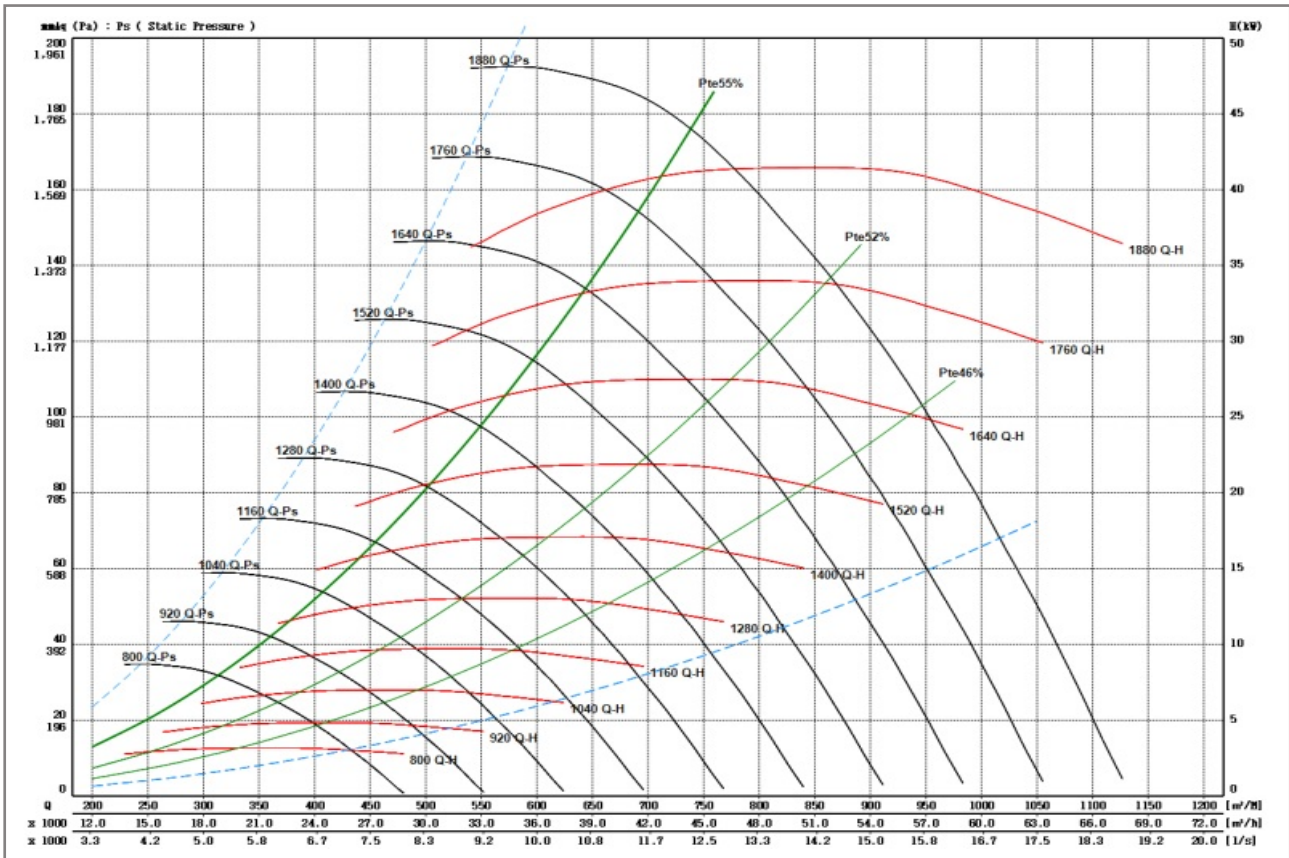


GMF-800C

FEG 56

Blade Angle : 32°

|           |        |                            |             |      |             |                       |         |          |         |          |                |
|-----------|--------|----------------------------|-------------|------|-------------|-----------------------|---------|----------|---------|----------|----------------|
| Wheel dia | 870 mm | Tip Speed = 0.045553 * rpm | Outlet Dim' | 1070 | Outlet Area | 0.8992 m <sup>2</sup> | Class 1 | 1317 rpm | Class 2 | 1756 rpm | Not Applicable |
|-----------|--------|----------------------------|-------------|------|-------------|-----------------------|---------|----------|---------|----------|----------------|



| Air flow (m³/min) | Outlet Vel (m/sec) | 10 mmAq ( 98 Pa) |       |                |      | 20 mmAq ( 196 Pa) |       |                |      | 30 mmAq ( 294 Pa) |       |                |      | 40 mmAq ( 392 Pa) |       |                |      | 50 mmAq ( 490 Pa) |       |                |      |
|-------------------|--------------------|------------------|-------|----------------|------|-------------------|-------|----------------|------|-------------------|-------|----------------|------|-------------------|-------|----------------|------|-------------------|-------|----------------|------|
|                   |                    | rpm              | BkW   | η <sub>t</sub> | PWL  | rpm               | BkW   | η <sub>t</sub> | PWL  | rpm               | BkW   | η <sub>t</sub> | PWL  | rpm               | BkW   | η <sub>t</sub> | PWL  | rpm               | BkW   | η <sub>t</sub> | PWL  |
|                   |                    | m <sup>-1</sup>  | kW    | %              | LwIA | m <sup>-1</sup>   | kW    | %              | LwIA | m <sup>-1</sup>   | kW    | %              | LwIA | m <sup>-1</sup>   | kW    | %              | LwIA | m <sup>-1</sup>   | kW    | %              | LwIA |
| 310               | 5.75               |                  |       |                |      |                   |       |                |      |                   |       |                |      | 869               | 3.961 | 53.7           | 88   | 959               | 5.132 | 51.3           | 90   |
| 350               | 6.49               |                  |       |                |      |                   |       |                |      | 820               | 3.436 | 54.2           | 87   | 895               | 4.430 | 54.9           | 89   | 973               | 5.575 | 53.9           | 90   |
| 390               | 7.23               |                  |       |                |      | 800               | 3.173 | 48.5           | 87   | 864               | 4.018 | 52.6           | 89   | 933               | 5.051 | 54.5           | 90   | 999               | 6.171 | 54.9           | 91   |
| 430               | 7.97               |                  |       |                |      | 846               | 3.715 | 45.1           | 89   | 911               | 4.704 | 50.5           | 90   | 975               | 5.774 | 53.3           | 92   | 1037              | 6.931 | 54.6           | 93   |
| 470               | 8.71               | 841              | 3.460 | 32.5           | 91   | 902               | 4.444 | 42.5           | 91   | 962               | 5.517 | 48.2           | 92   | 1020              | 6.620 | 51.7           | 93   | 1079              | 7.817 | 53.6           | 94   |
| 510               | 9.45               | 903              | 4.244 | 30.4           | 93   | 959               | 5.282 | 40.2           | 93   | 1014              | 6.415 | 46.0           | 94   | 1069              | 7.598 | 49.9           | 94   | 1123              | 8.824 | 52.3           | 95   |
| 550               | 10.19              | 964              | 5.140 | 28.6           | 94   | 1018              | 6.254 | 38.0           | 95   | 1068              | 7.433 | 43.9           | 95   | 1119              | 8.682 | 48.0           | 96   | 1170              | 9.971 | 50.7           | 97   |
| 590               | 10.94              | 1027             | 6.174 | 27.1           | 96   | 1077              | 7.349 | 35.8           | 96   | 1125              | 8.595 | 41.8           | 97   | 1173              | 9.927 | 46.0           | 97   | 1219              | 11.26 | 49.0           | 98   |
| 630               | 11.68              | 1091             | 7.365 | 25.7           | 97   | 1136              | 8.564 | 34.0           | 98   | 1182              | 9.879 | 40.0           | 98   | 1227              | 11.27 | 44.2           | 98   | 1271              | 12.69 | 47.3           | 99   |
| 670               | 12.42              | 1155             | 8.696 | 24.5           | 99   | 1197              | 9.962 | 32.3           | 99   | 1241              | 11.34 | 38.1           | 99   | 1284              | 12.80 | 42.3           | 100  | 1324              | 14.27 | 45.6           | 100  |
| 710               | 13.16              | 1218             | 10.17 | 23.6           | 100  | 1259              | 11.52 | 30.8           | 100  | 1300              | 12.95 | 36.4           | 100  | 1340              | 14.44 | 40.7           | 101  | 1379              | 16.00 | 43.9           | 101  |
| 750               | 13.90              | 1283             | 11.84 | 22.5           | 101  | 1321              | 13.25 | 29.4           | 101  | 1360              | 14.74 | 34.8           | 102  | 1399              | 16.31 | 39.0           | 102  | 1436              | 17.92 | 42.3           | 102  |

| Air flow (m³/min) | Outlet Vel (m/sec) | 60 mmAq ( 588 Pa) |       |                |      | 70 mmAq ( 686 Pa) |       |                |      | 80 mmAq ( 785 Pa) |       |                |      | 90 mmAq ( 883 Pa) |       |                |      | 100 mmAq ( 981 Pa) |       |                |      |  |
|-------------------|--------------------|-------------------|-------|----------------|------|-------------------|-------|----------------|------|-------------------|-------|----------------|------|-------------------|-------|----------------|------|--------------------|-------|----------------|------|--|
|                   |                    | rpm               | BkW   | η <sub>t</sub> | PWL  | rpm               | BkW   | η <sub>t</sub> | PWL  | rpm               | BkW   | η <sub>t</sub> | PWL  | rpm               | BkW   | η <sub>t</sub> | PWL  | rpm                | BkW   | η <sub>t</sub> | PWL  |  |
|                   |                    | m <sup>-1</sup>   | kW    | %              | LwIA | m <sup>-1</sup>   | kW    | %              | LwIA | m <sup>-1</sup>   | kW    | %              | LwIA | m <sup>-1</sup>   | kW    | %              | LwIA | m <sup>-1</sup>    | kW    | %              | LwIA |  |
| 310               | 5.75               |                   |       |                |      |                   |       |                |      |                   |       |                |      |                   |       |                |      |                    |       |                |      |  |
| 350               | 6.49               | 1054              | 6.870 | 51.9           | 92   | 1133              | 8.262 | 50.2           | 94   |                   |       |                |      |                   |       |                |      |                    |       |                |      |  |
| 390               | 7.23               | 1069              | 7.422 | 54.1           | 93   | 1142              | 8.851 | 52.7           | 94   | 1213              | 10.35 | 51.2           | 96   | 1280              | 11.83 | 49.8           | 97   |                    |       |                |      |  |
| 430               | 7.97               | 1097              | 8.168 | 54.9           | 94   | 1160              | 9.536 | 54.4           | 95   | 1225              | 11.05 | 53.3           | 96   | 1291              | 12.65 | 52.0           | 97   | 1355               | 14.34 | 50.8           | 98   |  |
| 470               | 8.71               | 1134              | 9.079 | 54.6           | 95   | 1190              | 10.43 | 54.9           | 96   | 1246              | 11.88 | 54.6           | 97   | 1305              | 13.48 | 53.9           | 97   | 1366               | 15.19 | 52.8           | 98   |  |
| 510               | 9.45               | 1176              | 10.14 | 53.7           | 96   | 1228              | 11.51 | 54.6           | 97   | 1279              | 12.96 | 54.9           | 97   | 1330              | 14.50 | 54.7           | 98   | 1383               | 16.16 | 54.3           | 99   |  |
| 550               | 10.19              | 1220              | 11.31 | 52.7           | 97   | 1270              | 12.75 | 53.8           | 98   | 1317              | 14.21 | 54.5           | 98   | 1364              | 15.76 | 54.8           | 99   | 1412               | 17.41 | 54.8           | 100  |  |
| 590               | 10.94              | 1266              | 12.65 | 51.3           | 98   | 1313              | 14.12 | 52.8           | 99   | 1359              | 15.65 | 53.7           | 99   | 1403              | 17.19 | 54.4           | 100  | 1448               | 18.87 | 54.8           | 100  |  |
| 630               | 11.68              | 1315              | 14.16 | 49.7           | 99   | 1359              | 15.65 | 51.5           | 100  | 1402              | 17.20 | 52.8           | 100  | 1446              | 18.84 | 53.7           | 101  | 1488               | 20.51 | 54.3           | 101  |  |
| 670               | 12.42              | 1365              | 15.78 | 48.1           | 100  | 1407              | 17.35 | 50.1           | 101  | 1448              | 18.93 | 51.6           | 101  | 1489              | 20.59 | 52.8           | 102  | 1531               | 22.37 | 53.5           | 102  |  |
| 710               | 13.16              | 1418              | 17.59 | 46.5           | 101  | 1457              | 19.22 | 48.6           | 102  | 1497              | 20.91 | 50.3           | 102  | 1536              | 22.60 | 51.6           | 103  | 1574               | 24.34 | 52.7           | 103  |  |
| 750               | 13.90              | 1473              | 19.59 | 44.9           | 103  | 1509              | 21.27 | 47.1           | 103  | 1547              | 23.01 | 48.9           | 103  | 1584              | 24.75 | 50.4           | 104  | 1620               | 26.52 | 51.6           | 104  |  |

- Air performance and Sound performance of can be changed without notice for performance and quality improvement.  
 - Power rating BkW does not include V-belt drive, motor efficiency and transmission losses.  
 - The A-weighted sound ratings calculated per AMCA standard 301. Values shown are for inlet PWL(LwIA(dBA)) sound power levels for installation type B:(free inlet, Ducted outlet), Rating do not include the effect of duct end corrections.  
 - Performance certified for AMCA 210 Fig-12 & installation type B:(Free inlet, Ducted outlet), Performance ratings do not include the effects of appurtenance(Accessories).

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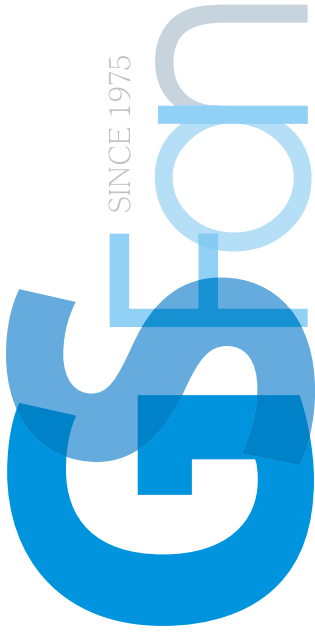
405-818 인천광역시 남동구 청능대로 410번길 63 (고잔동, 남동공단)

TEL: (032)811-9500(代)~2 FAX: (032)811-9503, 811-9545

(Gojan-Dong, Namdong Ind. Complex) #63, 410 Cheong Neung Dae Ro, Namdong-Gu, Incheon, 405-818, Korea.

TEL: 82-32-811-9500~2 FAX: 82-32-811-9503





## **(주)금성풍력**

405-818 인천광역시 남동구 청능대로 410번길 63 (고잔동)  
(구주소: 인천광역시 남동구 고잔동 662-10 남동공단 98BL 11LT)  
TEL: (032)811-9500(代)~2 FAX: (032)811-9503, 811-9545

### **Gumsung Poongryuk Co.,Ltd.**

#63, 410 Cheung Neung Dae Ro, Namdong-Gu, Incheon, 405-818, Republic Of Korea.  
(98BL 11LT, Namdong Industrial Estate, 662-10 Gojandong)  
TEL: 82-32-811-9500~2 FAX: 82-32-811-9503, 811-9545

**[www.gsfan.co.kr](http://www.gsfan.co.kr)**

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