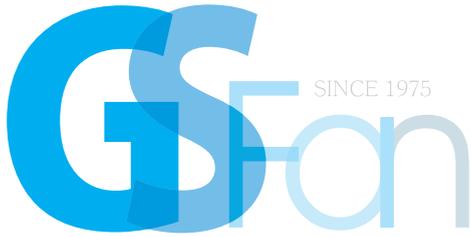


GSLF

SINCE 1975



AMCA & 고효율 송풍기 With GS Fan! Since 1975. 고객과 함께 걸어온 50여년! 고맙습니다. 100년 기업으로 만들겠습니다.

(주)금성풍력은 1975년 설립되어 50여년간 송풍기 제조 외길을 걸어온 장수 기업입니다.
서울 청계천 공구상가에서 1평 남짓 한 점포에서 "동일공사"라는 상호로 출발하여
지금의 남동공단에 2025년 말 기준 임직원 150여명, 년매출 300여억원을 생산하는
송풍기 분야 선도 기업으로서, 국산품 중 최고의 품질로 고객에게 보답 하고 있습니다.
국내 전 산업분야 및 송풍기가 사용 되어지는 현장이라면 금성풍력 송풍기가
한번쯤은 적용 될 정도로 50여년이라는 세월과 역사가 이미 증명 하고 있습니다.

국내 최초 (美)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 50여년 가까이 송풍기 외길을 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.

2026. 01. (株)金星風力

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?

기업의 제품 및 서비스 실현 시스템에 대한 품질경영시스템(QMS: Quality Management System)을 규정한 국제인증규격으로 1987년에 국제표준화기구(ISO)가 제정하였습니다. ISO 9000인증은 구입자 측면에서 볼 때 제품의 품질을 조금 더 확실하게하기 위해 공급자가 제조 및 서비스 과정에서 품질을 확실하게 조성할 것을 요구함으로써, 품질관리의 요구사항을 규격으로 정한 제도입니다. 당사는 개발, 설계, 제조, 제품설치, A/S까지 전 과정을 대상으로 한 ISO 9001을 인증 받았습니다.



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



AMCA 란?

AMCA (Air Movement and Control Association) International의 약자로 송풍기, 댐퍼, 루버, 에어커튼, 공기유량 측정 장치, 덕트, 소음기 등의 공기기능, 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.

SIROCCO FAN GSF-SS series



GSF-FAN의 송풍기는 저 정압에서 다량의 공기 또는 가스를 취급하는데 가장 적합한 송풍기로서 공기의 유동상태가 매우 원활하여 불쾌한 소음, 진동이 없으며, 저속회전으로 베어링의 수명이 길다. 이송풍기의 특징은 저압의 송풍기용으로 대략 10 ~ 50mmAq 정도에 있어서 가장 적합한 모델입니다. 용도로는 일반용 송풍, 항구시스템 공기배출, 건축물 또는 공장의 환기, 냉온방장치, 소형저압용 보일러 송배풍, 기타 가스의 반송 또는 배출에 사용됩니다.

GSF model for the transfer of large amount of air in the low pressure. Flowing state of the air is good. Due to the slow rotational speed low vibration, longer bearing life. As designed for low-pressure fans, the fan is the most suitable for pressure of around 10 ~ 50 mmAq. Used for general ventilation, harbor ventilation, ventilation of building, factory ventilation, air conditioners/heaters, wind of small boilers, conveyance of other gas, air discharge.



GSF-SS (SWSI CENTRIFUGAL FAN)



GumSung PoongRyuck Co.,LTD. certifies that the GSF-SS Fan Series shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of AMCA Certified Ratings Program.



From GSF-2SS to GSF-14SS for the entire model to have been certified by AMCA for Air performance, sound and FEG ratings.

GSF-2.5SS ~ GSF-3.75SS was created by converting the test results of GSF-2.5SS (excluding GSF-3.5SS)

GSF-3.5SS was created by converting the test results of GSF-3.5SS

GSF-4SS ~ GSF-5.5SS was created by converting the test results of GSF-4SS (excluding GSF-4.5SS)

GSF-4.5SS was created by converting the test results of GSF-4.5SS

GSF-6SS ~ GSF-7SS was created by converting the test results of GSF-6SS

GSF-8SS ~ GSF-14SS was created by converting the test results of GSF-8SS

Type GSF-SS SWSI Series

Gumsung GSF-SS SWSI model is double suction-center hang type fan with wheel diameter from 12" to 84" applied by aerodynamic design.

1. Wheels

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

2. HUB

The hub is made of steel casing and can be fixed to shaft with keys and taper bushes.

3. Casing

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. Inlet Vane controls

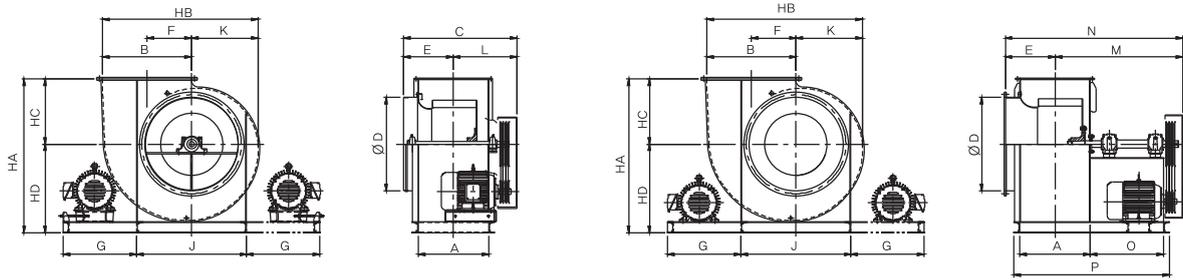
It accurately controls the air flow and change the direction of flow to the wheels. Reduced air volume than outlet damper will provide more economical performance. If you are installing the inlet guide vane damper performance degradation of about 3-5% is caused by the fluid velocity.

GSF-SS series

SIROCCO FAN

www.gsfan.co.kr

표준외형도 Standard shape of SIROCCO FAN(GSF-SS SERIES)



편흡입 양지형
(GSF-□□□SS-C)

편흡입 편지형
(GSF-□□□SS-O)

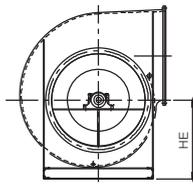


Fig.1

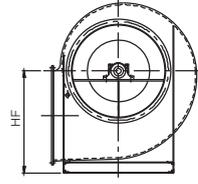


Fig.4

| MODEL NO. | A | B | D | E | F | HA | HB | HC | HD | HE | HF | C | J | K | L | M | N | O | P | FAN WEIGHT kg |
|-----------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------------|
| #2 | 240 | 305 | 320 | 210 | 153 | 550 | 535 | 240 | 310 | 280 | 355 | 495 | 400 | 230 | 285 | 650 | 860 | 400 | 720 | 42 |
| #2.25 | 270 | 345 | 360 | 225 | 173 | 630 | 615 | 275 | 355 | 320 | 395 | 525 | 500 | 270 | 300 | 665 | 890 | 400 | 750 | 60 |
| #2.5 | 300 | 380 | 400 | 240 | 190 | 660 | 665 | 275 | 385 | 345 | 440 | 555 | 500 | 285 | 315 | 680 | 920 | 400 | 800 | 74 |
| #2.75 | 330 | 420 | 440 | 255 | 210 | 760 | 735 | 340 | 420 | 375 | 480 | 585 | 570 | 315 | 330 | 695 | 950 | 400 | 830 | 97 |
| #3 | 360 | 455 | 480 | 280 | 228 | 790 | 795 | 340 | 450 | 400 | 515 | 665 | 570 | 340 | 385 | 710 | 990 | 400 | 860 | 126 |
| #3.25 | 390 | 495 | 520 | 295 | 248 | 870 | 870 | 385 | 485 | 435 | 555 | 695 | 660 | 375 | 400 | 725 | 1020 | 400 | 890 | 143 |
| #3.5 | 420 | 535 | 560 | 310 | 268 | 930 | 935 | 410 | 520 | 460 | 595 | 725 | 660 | 400 | 415 | 790 | 1100 | 450 | 970 | 165 |
| #3.75 | 450 | 570 | 600 | 325 | 285 | 1010 | 1000 | 430 | 580 | 490 | 630 | 755 | 750 | 430 | 430 | 810 | 1135 | 455 | 1005 | 193 |
| #4 | 480 | 610 | 640 | 340 | 305 | 1060 | 1065 | 450 | 610 | 540 | 695 | 805 | 750 | 455 | 465 | 870 | 1210 | 500 | 1080 | 225 |
| #4.25 | 510 | 650 | 680 | 355 | 325 | 1125 | 1135 | 480 | 645 | 570 | 735 | 835 | 850 | 485 | 480 | 885 | 1240 | 500 | 1110 | 243 |
| #4.5 | 540 | 685 | 720 | 370 | 343 | 1160 | 1190 | 490 | 670 | 590 | 770 | 865 | 850 | 505 | 495 | 900 | 1270 | 500 | 1140 | 268 |
| #5 | 600 | 760 | 800 | 400 | 380 | 1300 | 1320 | 540 | 760 | 670 | 870 | 950 | 950 | 560 | 550 | 980 | 1380 | 550 | 1250 | 330 |
| #5.5 | 660 | 840 | 880 | 430 | 420 | 1420 | 1460 | 590 | 830 | 730 | 950 | 1010 | 1050 | 620 | 580 | 1080 | 1510 | 600 | 1360 | 393 |
| #6 | 730 | 915 | 960 | 485 | 458 | 1545 | 1590 | 650 | 895 | 785 | 1025 | 1100 | 1100 | 675 | 615 | 1165 | 1650 | 650 | 1480 | 462 |
| #6.5 | 790 | 990 | 1040 | 515 | 495 | 1670 | 1730 | 700 | 970 | 850 | 1100 | 1160 | 1250 | 740 | 645 | 1245 | 1760 | 700 | 1590 | 535 |
| #7 | 845 | 1065 | 1120 | 543 | 533 | 1790 | 1850 | 740 | 1050 | 920 | 1200 | 1250 | 1350 | 785 | 708 | 1303 | 1845 | 700 | 1675 | 608 |
| #8 | 965 | 1220 | 1280 | 603 | 610 | 2060 | 2120 | 870 | 1190 | 1035 | 1355 | 1395 | 1500 | 900 | 793 | 1463 | 2065 | 800 | 1915 | 820 |
| #9 | 1080 | 1370 | 1440 | 660 | 685 | 2305 | 2380 | 960 | 1345 | 1145 | 1505 | 1510 | 1700 | 1010 | 850 | 1520 | 2180 | 800 | 2030 | 1080 |
| #10 | 1200 | 1525 | 1600 | 725 | 763 | 2530 | 2650 | 1050 | 1480 | 1285 | 1685 | 1635 | 1900 | 1125 | 910 | 1630 | 2355 | 850 | 2200 | 1470 |
| #11 | 1320 | 1675 | 1760 | 810 | 838 | 2725 | 2910 | 1150 | 1575 | 1395 | 1835 | 1800 | 2100 | 1235 | 990 | 1740 | 2550 | 900 | 2370 | 2100 |
| #12 | 1440 | 1830 | 1920 | 870 | 915 | 2975 | 3160 | 1240 | 1735 | 1490 | 1990 | 1920 | 2300 | 1330 | 1050 | 1900 | 2770 | 1000 | 2590 | 2450 |
| #13 | 1560 | 1980 | 2080 | 930 | 990 | 3220 | 3440 | 1350 | 1870 | 1620 | 2140 | 2040 | 2500 | 1460 | 1110 | 2060 | 2990 | 1100 | 2810 | 2880 |
| #14 | 1680 | 2135 | 2240 | 990 | 1068 | 3450 | 3710 | 1450 | 2000 | 1735 | 2295 | 2160 | 2700 | 1575 | 1170 | 2220 | 3210 | 1200 | 3030 | 3150 |

※상기 FAN 중량은 모터가 제외한 중량입니다. ※Motor weight was not included in the weight of the fan.

MOTOR BASE

| MOTOR | 1HP | 2HP | 3HP | 5HP | 7.5HP | 10HP | 15HP | 20HP | 25HP | 30HP | 40HP | 50HP | 60HP | 75HP | 100HP | 125HP | 150HP |
|-------|-----|-----|-----|-----|-------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| G | 400 | 400 | 450 | 450 | 500 | 500 | 600 | 600 | 650 | 650 | 700 | 700 | 800 | 800 | 900 | 950 | 1050 |

※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.

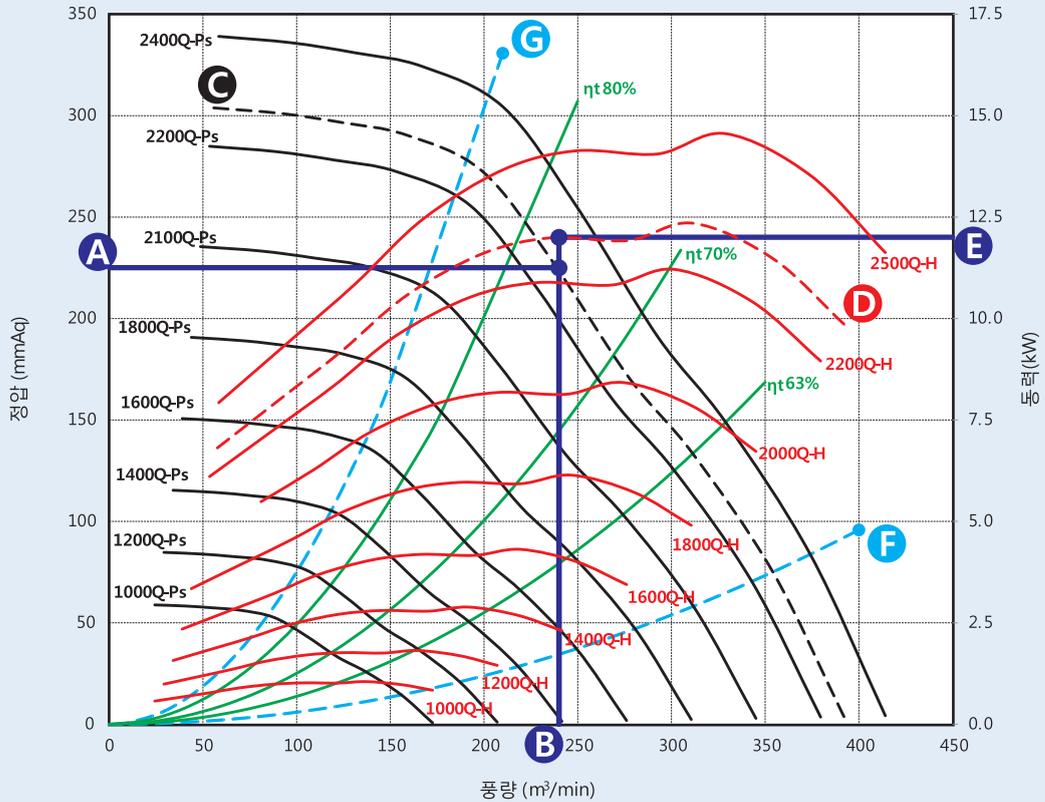
팬 선정 방법 예 Fan Selection Example

Impeller overhung on shaft type model name is "GSF-□□□ SS-O".

Impeller mounted on shaft between bearings type model name is "GSF-□□□ SS-C".



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)를 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 예상회전수(C)는 2272rpm 이다.
 2272 rpm에 해당되는 예상 동력곡선(D)을 그린 후 동력값(E)는 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.

GSF-SS series

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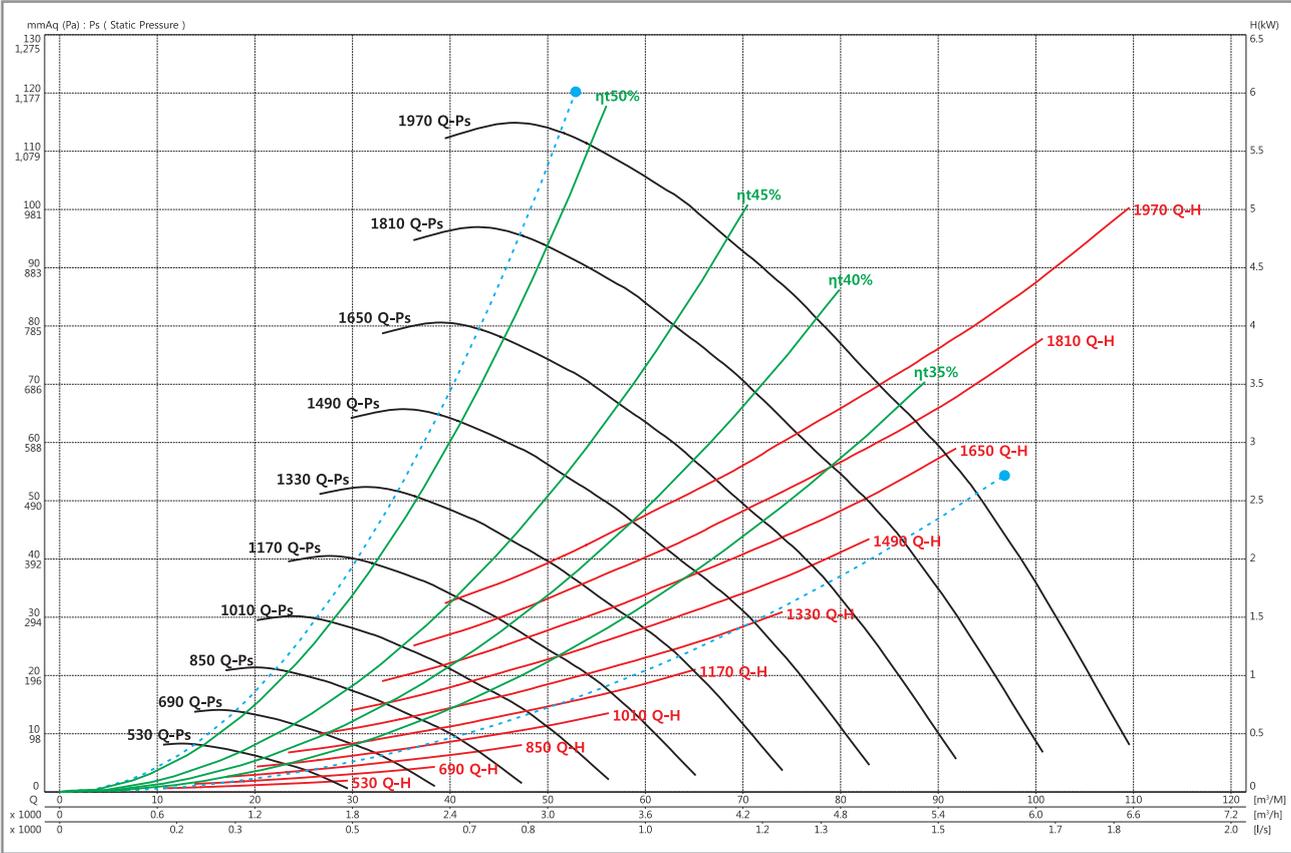
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GSF-2SS

FEG 60

| | | | | | | | | | | | | |
|-----------|--------|-------------|---------------|-------------|-----------|-------------|-----------------------|---------|----------|---------|----------|----------------|
| Wheel dia | 300 mm | Tip Speed = | 0.01571 * rpm | Outlet Dim' | 240 * 305 | Outlet Area | 0.0732 m ² | Class 1 | 1783 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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| 20 | 4.55 | 619 | 0.08 | 46.6 | 65 | | | | | | | | | | | | | | | | | |
| 25 | 5.69 | 666 | 0.12 | 42.2 | 69 | 849 | 0.18 | 49.0 | 73 | | | | | | | | | | | | | |
| 30 | 6.83 | 724 | 0.17 | 37.9 | 72 | 894 | 0.25 | 45.8 | 76 | 1039 | 0.33 | 49.0 | 78 | | | | | | | | | |
| 35 | 7.97 | 785 | 0.23 | 34.0 | 76 | 942 | 0.33 | 42.2 | 78 | 1078 | 0.42 | 46.6 | 80 | 1200 | 0.52 | 49.0 | 82 | 1314 | 0.61 | 50.4 | 84 | |
| 40 | 9.11 | 850 | 0.32 | 30.8 | 79 | 998 | 0.43 | 38.8 | 81 | 1126 | 0.53 | 43.8 | 82 | 1237 | 0.63 | 46.8 | 84 | 1345 | 0.73 | 48.8 | 85 | |
| 45 | 10.25 | 918 | 0.42 | 28.7 | 81 | 1053 | 0.53 | 36.2 | 83 | 1169 | 0.64 | 41.4 | 84 | 1286 | 0.77 | 44.6 | 86 | 1387 | 0.89 | 46.8 | 87 | |
| 50 | 11.38 | 993 | 0.55 | 26.5 | 84 | 1111 | 0.66 | 34.0 | 85 | 1227 | 0.79 | 38.8 | 86 | 1332 | 0.92 | 42.2 | 87 | 1437 | 1.07 | 44.6 | 89 | |
| 55 | 12.52 | 1068 | 0.70 | 24.8 | 86 | 1183 | 0.85 | 31.6 | 87 | 1290 | 0.98 | 36.2 | 88 | 1393 | 1.13 | 39.6 | 89 | 1485 | 1.27 | 42.4 | 90 | |
| 60 | 13.66 | 1157 | 0.92 | 23.0 | 88 | 1253 | 1.04 | 29.8 | 89 | 1353 | 1.20 | 34.0 | 90 | 1446 | 1.33 | 37.7 | 90 | 1533 | 1.48 | 40.5 | 91 | |
| 65 | 14.80 | 1231 | 1.13 | 21.9 | 90 | 1325 | 1.28 | 27.6 | 91 | 1415 | 1.42 | 32.5 | 91 | 1513 | 1.61 | 35.6 | 92 | 1594 | 1.74 | 38.6 | 93 | |
| 70 | 15.94 | 1320 | 1.42 | 20.7 | 92 | 1397 | 1.53 | 26.5 | 92 | 1483 | 1.70 | 30.8 | 93 | 1570 | 1.87 | 34.0 | 94 | 1657 | 2.07 | 36.4 | 94 | |
| 75 | 17.08 | 1406 | 1.73 | 20.0 | 94 | 1480 | 1.85 | 25.4 | 94 | 1554 | 2.01 | 29.3 | 94 | 1634 | 2.19 | 32.5 | 95 | 1717 | 2.39 | 34.9 | 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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| 20 | 4.55 | | | | | | | | | | | | | | | | | | | | | |
| 25 | 5.69 | | | | | | | | | | | | | | | | | | | | | |
| 30 | 6.83 | | | | | | | | | | | | | | | | | | | | | |
| 35 | 7.97 | | | | | | | | | | | | | | | | | | | | | |
| 40 | 9.11 | 1450 | 0.86 | 49.9 | 87 | | | | | | | | | | | | | | | | | |
| 45 | 10.25 | 1486 | 1.02 | 48.2 | 88 | 1575 | 1.13 | 49.5 | 90 | 1664 | 1.26 | 50.3 | 91 | | | | | | | | | |
| 50 | 11.38 | 1525 | 1.20 | 46.6 | 90 | 1610 | 1.31 | 48.0 | 91 | 1697 | 1.46 | 49.0 | 92 | 1781 | 1.61 | 49.7 | 93 | 1861 | 1.76 | 50.3 | 94 | |
| 55 | 12.52 | 1575 | 1.41 | 44.6 | 91 | 1654 | 1.54 | 46.3 | 92 | 1737 | 1.70 | 47.5 | 93 | 1816 | 1.85 | 48.4 | 94 | 1893 | 2.01 | 49.1 | 95 | |
| 60 | 13.66 | 1621 | 1.63 | 42.8 | 92 | 1701 | 1.78 | 44.6 | 93 | 1784 | 1.97 | 45.8 | 94 | 1854 | 2.12 | 47.0 | 95 | 1927 | 2.27 | 47.9 | 96 | |
| 65 | 14.80 | 1679 | 1.94 | 40.5 | 94 | 1754 | 2.10 | 42.4 | 94 | 1831 | 2.26 | 44.0 | 95 | 1901 | 2.41 | 45.5 | 96 | 1969 | 2.58 | 46.6 | 97 | |
| 70 | 15.94 | 1733 | 2.23 | 38.8 | 95 | 1809 | 2.42 | 40.7 | 96 | 1883 | 2.61 | 42.2 | 96 | 1950 | 2.75 | 43.8 | 97 | | | | | |
| 75 | 17.08 | 1793 | 2.58 | 37.0 | 96 | 1867 | 2.78 | 39.0 | 97 | 1936 | 2.98 | 40.5 | 97 | | | | | | | | | |

- Power rating BkW does not include transmission losses.
 - The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type B (free inlet, ducted outlet).
 - Performance certified is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

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GSF-SS series

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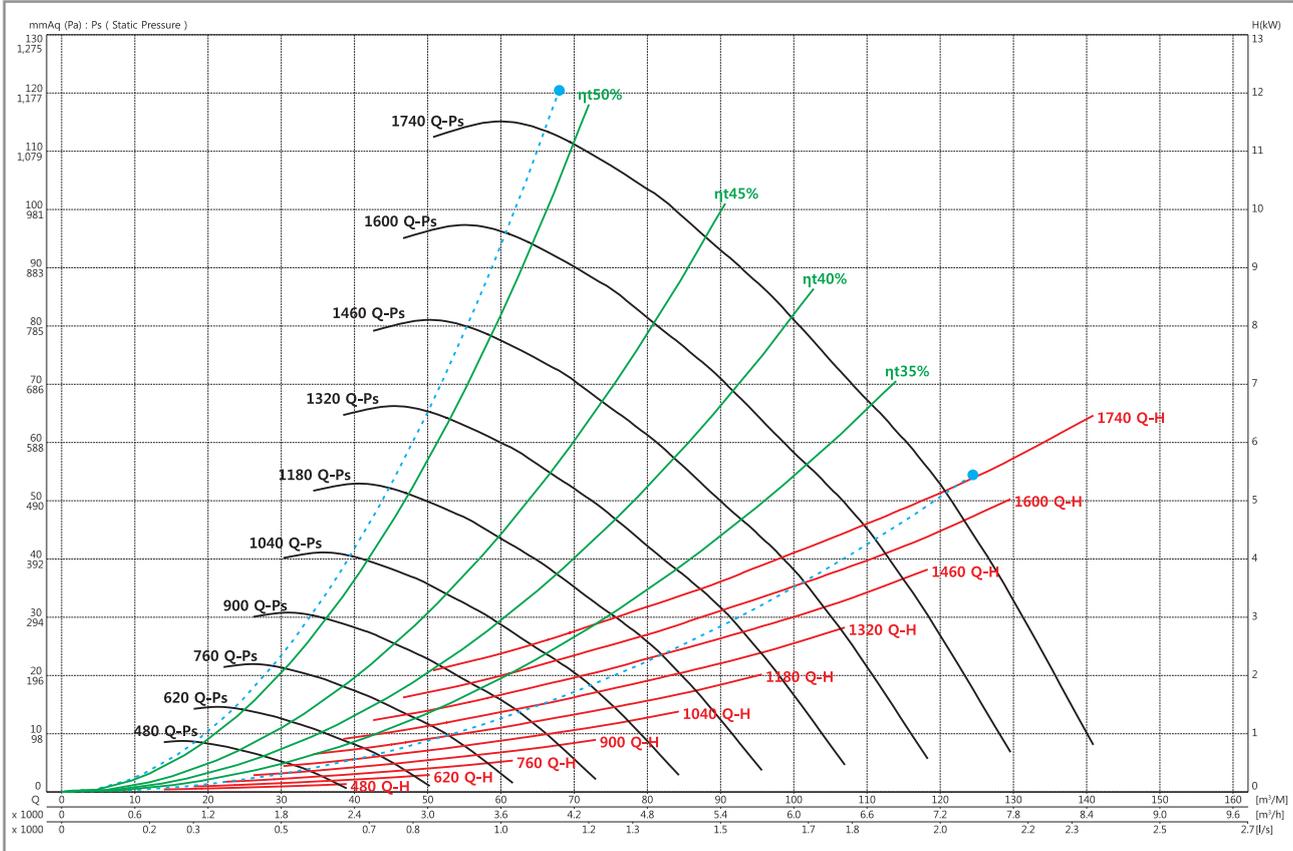
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GSF-2.25SS

FEG 56

| | | | | | | | | | | | | |
|-----------|--------|-------------|--------------|-------------|-----------|-------------|-----------------------|---------|----------|---------|----------|----------------|
| Wheel dia | 340 mm | Tip Speed = | 0.0178 * rpm | Outlet Dim' | 270 * 345 | Outlet Area | 0.0932 m ² | Class 1 | 1404 rpm | Class 2 | 1769 rpm | Not Applicable |
|-----------|--------|-------------|--------------|-------------|-----------|-------------|-----------------------|---------|----------|---------|----------|----------------|



| Air flow (m ³ /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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| 30 | 5.37 | 573 | 0.13 | 43.8 | 68 | 741 | 0.22 | 49.7 | 72 | | | | | | | | | | | | | |
| 35 | 6.26 | 611 | 0.18 | 39.6 | 71 | 766 | 0.27 | 47.5 | 74 | 898 | 0.37 | 50.4 | 78 | | | | | | | | | |
| 40 | 7.16 | 651 | 0.23 | 37.0 | 74 | 794 | 0.33 | 45.2 | 76 | 920 | 0.44 | 48.8 | 79 | 1036 | 0.56 | 50.5 | 81 | | | | | |
| 45 | 8.05 | 693 | 0.30 | 34.0 | 76 | 831 | 0.42 | 42.2 | 78 | 950 | 0.53 | 46.8 | 81 | 1059 | 0.66 | 49.0 | 83 | 1159 | 0.79 | 50.4 | 85 | |
| 50 | 8.95 | 738 | 0.38 | 31.6 | 79 | 869 | 0.51 | 39.6 | 80 | 983 | 0.64 | 44.6 | 82 | 1084 | 0.77 | 47.5 | 84 | 1183 | 0.91 | 49.1 | 86 | |
| 55 | 9.84 | 789 | 0.49 | 29.3 | 81 | 910 | 0.63 | 37.0 | 82 | 1018 | 0.77 | 42.2 | 84 | 1117 | 0.91 | 45.5 | 85 | 1208 | 1.06 | 47.6 | 87 | |
| 60 | 10.74 | 837 | 0.60 | 27.6 | 83 | 946 | 0.74 | 35.4 | 84 | 1050 | 0.89 | 40.5 | 85 | 1147 | 1.05 | 43.8 | 87 | 1234 | 1.20 | 46.3 | 88 | |
| 65 | 11.63 | 887 | 0.73 | 26.5 | 85 | 992 | 0.90 | 33.2 | 86 | 1095 | 1.07 | 38.1 | 87 | 1182 | 1.21 | 42.0 | 88 | 1268 | 1.38 | 44.6 | 89 | |
| 70 | 12.52 | 936 | 0.88 | 24.8 | 86 | 1037 | 1.07 | 31.6 | 87 | 1137 | 1.25 | 36.2 | 88 | 1222 | 1.42 | 39.8 | 89 | 1302 | 1.58 | 42.8 | 90 | |
| 75 | 13.42 | 996 | 1.10 | 23.0 | 88 | 1081 | 1.23 | 30.6 | 89 | 1178 | 1.45 | 34.7 | 90 | 1263 | 1.64 | 38.1 | 91 | 1336 | 1.80 | 41.2 | 91 | |
| 80 | 14.31 | 1055 | 1.32 | 22.4 | 90 | 1130 | 1.46 | 28.7 | 90 | 1220 | 1.67 | 33.4 | 91 | 1302 | 1.85 | 36.8 | 92 | 1376 | 2.04 | 39.6 | 92 | |
| 85 | 15.21 | 1102 | 1.51 | 21.9 | 91 | 1184 | 1.71 | 27.6 | 92 | 1260 | 1.89 | 32.3 | 92 | 1341 | 2.10 | 35.4 | 93 | 1420 | 2.34 | 37.9 | 94 | |

| Air flow (m ³ /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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| 30 | 5.37 | | | | | | | | | | | | | | | | | | | | | |
| 35 | 6.26 | | | | | | | | | | | | | | | | | | | | | |
| 40 | 7.16 | | | | | | | | | | | | | | | | | | | | | |
| 45 | 8.05 | | | | | | | | | | | | | | | | | | | | | |
| 50 | 8.95 | 1272 | 1.05 | 50.3 | 87 | | | | | | | | | | | | | | | | | |
| 55 | 9.84 | 1297 | 1.22 | 49.0 | 88 | 1378 | 1.36 | 50.1 | 89 | | | | | | | | | | | | | |
| 60 | 10.74 | 1322 | 1.38 | 47.7 | 89 | 1401 | 1.54 | 49.0 | 90 | 1478 | 1.70 | 49.9 | 91 | 1553 | 1.87 | 50.5 | 93 | | | | | |
| 65 | 11.63 | 1346 | 1.54 | 46.6 | 90 | 1429 | 1.75 | 47.6 | 91 | 1502 | 1.91 | 48.8 | 92 | 1575 | 2.11 | 49.5 | 93 | 1645 | 2.29 | 50.2 | 94 | |
| 70 | 12.52 | 1385 | 1.79 | 44.8 | 91 | 1454 | 1.94 | 46.6 | 92 | 1528 | 2.14 | 47.6 | 93 | 1600 | 2.36 | 48.4 | 94 | 1668 | 2.55 | 49.2 | 95 | |
| 75 | 13.42 | 1417 | 2.01 | 43.2 | 92 | 1486 | 2.17 | 45.2 | 93 | 1554 | 2.37 | 46.6 | 94 | 1625 | 2.60 | 47.5 | 95 | 1693 | 2.83 | 48.2 | 96 | |
| 80 | 14.31 | 1453 | 2.28 | 41.6 | 93 | 1521 | 2.46 | 43.6 | 94 | 1589 | 2.66 | 45.2 | 95 | 1655 | 2.89 | 46.3 | 96 | 1718 | 3.11 | 47.3 | 96 | |
| 85 | 15.21 | 1487 | 2.54 | 40.2 | 94 | 1555 | 2.75 | 42.2 | 95 | 1622 | 2.96 | 43.8 | 96 | 1685 | 3.17 | 45.2 | 96 | | | | | |

- Power rating BkW does not include transmission losses.
 - The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for installation type B (free inlet, ducted outlet).
 - Performance certified is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenance (accessories).

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GSF-SS series

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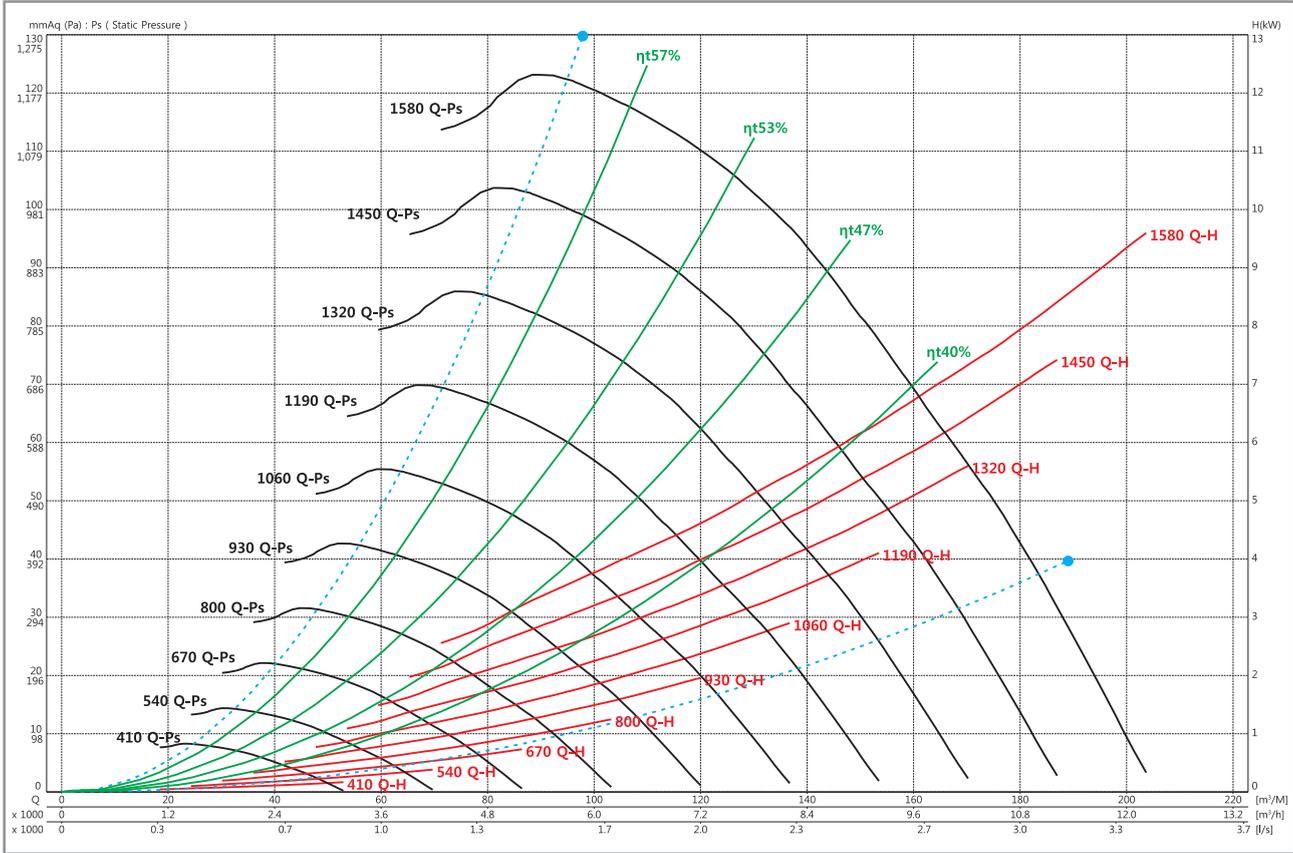
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GSF-2.5SS

FEG 63

| | | | | | | | | | | | |
|-----------|--------|---------------------------|-------------|-----------|-------------|-----------------------|---------|----------|---------|----------|----------------|
| Wheel dia | 375 mm | Tip Speed = 0.01964 * rpm | Outlet Dim' | 300 * 380 | Outlet Area | 0.1140 m ² | Class 1 | 1273 rpm | Class 2 | 1604 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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| 43 | 6.29 | 504 | 0.18 | 49.7 | 69 | 650 | 0.28 | 57.1 | 75 | | | | | | | | | | | | | |
| 50 | 7.31 | 540 | 0.24 | 45.2 | 72 | 669 | 0.34 | 55.2 | 75 | 788 | 0.47 | 57.9 | 79 | | | | | | | | | |
| 57 | 8.33 | 578 | 0.32 | 41.8 | 75 | 696 | 0.44 | 51.7 | 76 | 806 | 0.57 | 56.2 | 80 | 910 | 0.72 | 57.9 | 84 | | | | | |
| 64 | 9.36 | 618 | 0.41 | 38.7 | 77 | 728 | 0.55 | 48.7 | 79 | 828 | 0.67 | 54.4 | 80 | 926 | 0.83 | 56.6 | 84 | 1017 | 1.00 | 57.9 | 88 | |
| 71 | 10.38 | 662 | 0.54 | 35.9 | 80 | 765 | 0.68 | 45.5 | 81 | 855 | 0.82 | 51.5 | 81 | 946 | 0.97 | 55.2 | 84 | 1033 | 1.15 | 56.8 | 88 | |
| 78 | 11.40 | 702 | 0.67 | 34.0 | 82 | 801 | 0.82 | 43.0 | 83 | 891 | 1.00 | 48.7 | 84 | 974 | 1.16 | 52.8 | 85 | 1056 | 1.34 | 55.3 | 87 | |
| 85 | 12.43 | 748 | 0.83 | 32.2 | 84 | 841 | 1.01 | 40.3 | 85 | 924 | 1.18 | 46.4 | 85 | 1001 | 1.35 | 50.6 | 86 | 1079 | 1.54 | 53.5 | 87 | |
| 92 | 13.45 | 796 | 1.04 | 30.4 | 86 | 888 | 1.24 | 37.8 | 87 | 962 | 1.39 | 44.0 | 87 | 1034 | 1.58 | 48.4 | 88 | 1107 | 1.79 | 51.3 | 88 | |
| 99 | 14.47 | 848 | 1.28 | 29.1 | 88 | 927 | 1.46 | 36.3 | 88 | 1001 | 1.65 | 41.8 | 89 | 1071 | 1.85 | 46.1 | 89 | 1137 | 2.04 | 49.5 | 89 | |
| 106 | 15.50 | 896 | 1.54 | 27.8 | 90 | 969 | 1.73 | 34.8 | 90 | 1046 | 1.96 | 39.6 | 90 | 1109 | 2.14 | 44.0 | 91 | 1172 | 2.34 | 47.5 | 91 | |
| 113 | 16.52 | 942 | 1.82 | 27.0 | 91 | 1016 | 2.04 | 33.4 | 92 | 1089 | 2.30 | 37.8 | 92 | 1152 | 2.50 | 42.1 | 92 | 1214 | 2.74 | 45.2 | 92 | |
| 120 | 17.54 | 996 | 2.18 | 26.2 | 93 | 1057 | 2.35 | 32.2 | 93 | 1129 | 2.63 | 36.5 | 93 | 1189 | 2.84 | 40.3 | 93 | 1250 | 3.08 | 43.7 | 94 | |

| 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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| 43 | 6.29 | | | | | | | | | | | | | | | | | | | | | |
| 50 | 7.31 | | | | | | | | | | | | | | | | | | | | | |
| 57 | 8.33 | | | | | | | | | | | | | | | | | | | | | |
| 64 | 9.36 | | | | | | | | | | | | | | | | | | | | | |
| 71 | 10.38 | 1115 | 1.33 | 57.8 | 89 | | | | | | | | | | | | | | | | | |
| 78 | 11.40 | 1132 | 1.51 | 56.8 | 89 | 1208 | 1.71 | 57.7 | 90 | 1279 | 1.91 | 58.3 | 91 | | | | | | | | | |
| 85 | 12.43 | 1154 | 1.73 | 55.6 | 89 | 1225 | 1.93 | 56.6 | 90 | 1296 | 2.17 | 57.3 | 91 | 1362 | 2.37 | 58.0 | 92 | | | | | |
| 92 | 13.45 | 1179 | 1.99 | 53.8 | 89 | 1248 | 2.20 | 55.4 | 90 | 1314 | 2.43 | 56.4 | 91 | 1379 | 2.66 | 57.1 | 92 | 1441 | 2.90 | 57.7 | 93 | |
| 99 | 14.47 | 1206 | 2.28 | 51.7 | 90 | 1272 | 2.49 | 53.9 | 91 | 1336 | 2.71 | 55.3 | 92 | 1397 | 2.94 | 56.2 | 92 | 1459 | 3.21 | 56.9 | 93 | |
| 106 | 15.50 | 1237 | 2.59 | 49.9 | 91 | 1297 | 2.80 | 52.1 | 92 | 1360 | 3.05 | 53.9 | 92 | 1420 | 3.29 | 55.2 | 93 | 1479 | 3.56 | 55.9 | 94 | |
| 113 | 16.52 | 1269 | 2.92 | 48.3 | 93 | 1327 | 3.17 | 50.4 | 93 | 1385 | 3.40 | 52.2 | 93 | 1444 | 3.67 | 53.8 | 94 | 1500 | 3.91 | 55.0 | 95 | |
| 120 | 17.54 | 1306 | 3.33 | 46.4 | 94 | 1361 | 3.58 | 48.7 | 94 | 1414 | 3.81 | 50.6 | 94 | 1470 | 4.06 | 52.2 | 95 | 1527 | 4.37 | 53.5 | 95 | |

- Power rating BkW does not include transmission losses. GSF-SS Version 12.1_January,2026
 - The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwIA sound power levels for installation type B (free inlet, ducted outlet).
 - Performance certified is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenance (accessories).

GSF-SS series

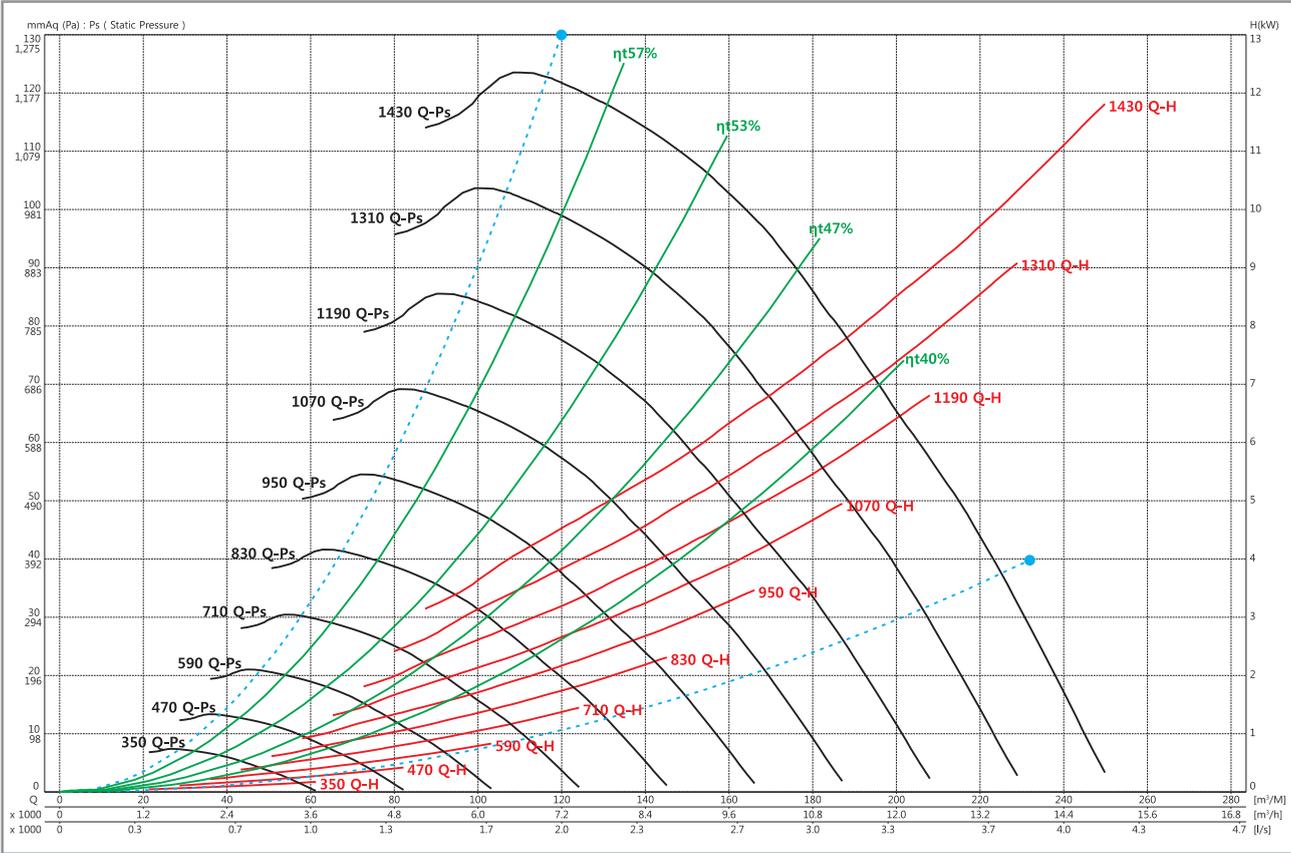
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GSF-2.75SS FEG 63

| | | | | | | | | | | | |
|-----------|--------|---------------------------|-------------|-----------|-------------|-----------------------|---------|----------|---------|----------|----------------|
| Wheel dia | 415 mm | Tip Speed = 0.02173 * rpm | Outlet Dim' | 330 * 420 | Outlet Area | 0.1386 m ² | Class 1 | 1151 rpm | Class 2 | 1450 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 | ηt | PWL | rpm | BkW | ηt | PWL | rpm | BkW | ηt | PWL | rpm | BkW | ηt | PWL | rpm | BkW | ηt | PWL | |
| 40 | 4.81 | 421 | 0.13 | 56.2 | 68 | | | | | | | | | | | | | | | | | |
| 50 | 6.01 | 446 | 0.19 | 51.5 | 68 | 582 | 0.31 | 57.9 | 76 | | | | | | | | | | | | | |
| 60 | 7.22 | 482 | 0.28 | 46.4 | 72 | 602 | 0.41 | 55.6 | 76 | 710 | 0.56 | 58.0 | 80 | | | | | | | | | |
| 70 | 8.42 | 523 | 0.39 | 41.8 | 76 | 630 | 0.54 | 51.5 | 77 | 729 | 0.69 | 56.2 | 80 | 822 | 0.88 | 57.9 | 84 | | | | | |
| 80 | 9.62 | 568 | 0.54 | 37.8 | 79 | 664 | 0.69 | 48.4 | 79 | 755 | 0.87 | 53.8 | 81 | 842 | 1.07 | 56.2 | 84 | 923 | 1.27 | 57.7 | 88 | |
| 90 | 10.82 | 612 | 0.71 | 35.5 | 81 | 704 | 0.9 | 44.3 | 82 | 783 | 1.07 | 50.6 | 83 | 864 | 1.27 | 54.4 | 85 | 941 | 1.49 | 56.2 | 88 | |
| 100 | 12.03 | 660 | 0.94 | 32.7 | 84 | 744 | 1.13 | 41.4 | 84 | 820 | 1.33 | 47.5 | 85 | 893 | 1.54 | 51.5 | 86 | 966 | 1.77 | 54.4 | 88 | |
| 110 | 13.23 | 709 | 1.21 | 30.8 | 86 | 788 | 1.42 | 38.7 | 87 | 861 | 1.65 | 44.3 | 87 | 926 | 1.85 | 49.0 | 88 | 993 | 2.10 | 51.9 | 89 | |
| 120 | 14.43 | 759 | 1.51 | 29.5 | 88 | 834 | 1.76 | 36.5 | 89 | 902 | 2.00 | 41.8 | 89 | 964 | 2.22 | 46.4 | 90 | 1024 | 2.46 | 49.7 | 90 | |
| 130 | 15.63 | 810 | 1.89 | 27.8 | 90 | 877 | 2.12 | 34.8 | 90 | 945 | 2.40 | 39.6 | 91 | 1004 | 2.64 | 43.8 | 91 | 1061 | 2.90 | 47.2 | 92 | |
| 140 | 16.84 | 859 | 2.29 | 27.0 | 92 | 923 | 2.55 | 33.2 | 92 | 989 | 2.87 | 37.5 | 93 | 1045 | 3.11 | 41.8 | 93 | 1102 | 3.40 | 45.2 | 93 | |
| 150 | 18.04 | 914 | 2.80 | 26.2 | 94 | 974 | 3.09 | 31.5 | 94 | 1034 | 3.39 | 35.9 | 94 | 1092 | 3.70 | 39.6 | 94 | 1142 | 3.96 | 43.0 | 95 | |

| 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 | ηt | PWL | rpm | BkW | ηt | PWL | |
| 40 | 4.81 | | | | | | | | | | | | | | | | | | | | | |
| 50 | 6.01 | | | | | | | | | | | | | | | | | | | | | |
| 60 | 7.22 | | | | | | | | | | | | | | | | | | | | | |
| 70 | 8.42 | | | | | | | | | | | | | | | | | | | | | |
| 80 | 9.62 | | | | | | | | | | | | | | | | | | | | | |
| 90 | 10.82 | 1014 | 1.72 | 57.3 | 91 | 1083 | 1.96 | 58.1 | 92 | | | | | | | | | | | | | |
| 100 | 12.03 | 1033 | 1.99 | 56.1 | 90 | 1100 | 2.24 | 57.1 | 91 | 1163 | 2.49 | 57.9 | 92 | 1225 | 2.76 | 58.3 | 93 | | | | | |
| 110 | 13.23 | 1058 | 2.33 | 54.4 | 90 | 1122 | 2.61 | 55.8 | 91 | 1181 | 2.85 | 56.8 | 92 | 1242 | 3.16 | 57.3 | 93 | 1298 | 3.41 | 58.0 | 94 | |
| 120 | 14.43 | 1085 | 2.72 | 52.1 | 91 | 1145 | 2.98 | 54.2 | 92 | 1203 | 3.25 | 55.6 | 93 | 1260 | 3.55 | 56.4 | 93 | 1315 | 3.85 | 57.0 | 94 | |
| 130 | 15.63 | 1118 | 3.18 | 49.9 | 92 | 1174 | 3.47 | 51.9 | 92 | 1230 | 3.74 | 53.9 | 93 | 1283 | 4.02 | 55.2 | 94 | 1337 | 4.36 | 55.9 | 95 | |
| 140 | 16.84 | 1155 | 3.70 | 47.8 | 93 | 1207 | 4.00 | 49.9 | 94 | 1259 | 4.30 | 51.7 | 94 | 1309 | 4.56 | 53.5 | 95 | 1361 | 4.90 | 54.7 | 95 | |
| 150 | 18.04 | 1194 | 4.28 | 45.6 | 95 | 1242 | 4.55 | 48.3 | 95 | 1291 | 4.90 | 49.9 | 95 | 1339 | 5.21 | 51.5 | 96 | 1386 | 5.49 | 53.2 | 96 | |

- Power rating BkW does not include transmission losses.
 - The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for installation type B (free inlet, ducted outlet).
 - Performance certified is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenance (accessories).

GSF-SS Version 12.1_January,2026

GSF-SS series

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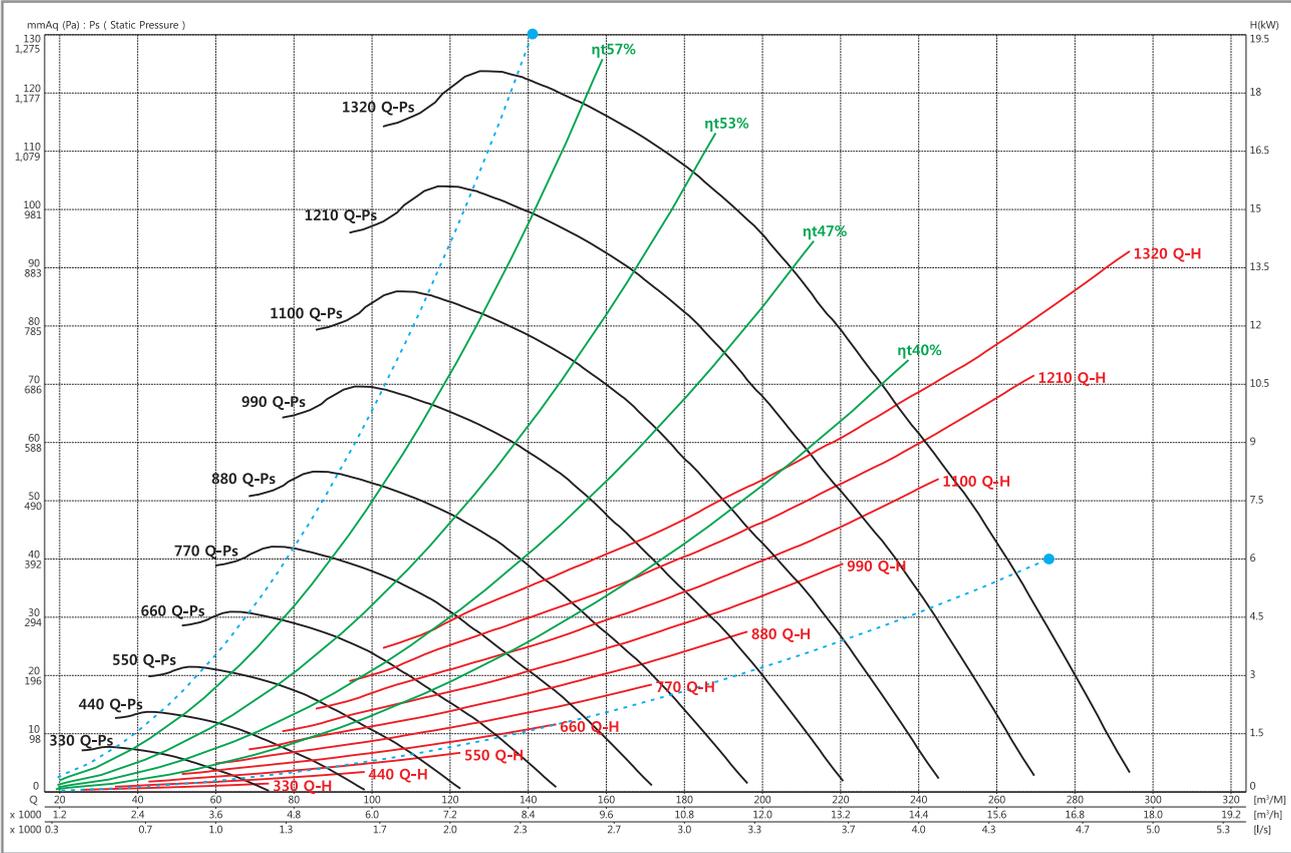
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GSF-3SS

FEG 63

| | | | | | | | | | | | |
|-----------|--------|---------------------------|-------------|-----------|-------------|-----------------------|---------|----------|---------|----------|----------------|
| Wheel dia | 450 mm | Tip Speed = 0.02356 * rpm | Outlet Dim' | 360 * 455 | Outlet Area | 0.1638 m ² | Class 1 | 1061 rpm | Class 2 | 1337 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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| 60 | 6.11 | 416 | 0.24 | 50.8 | 69 | 538 | 0.38 | 57.7 | 78 | | | | | | | | | | | | | |
| 70 | 7.12 | 444 | 0.32 | 46.4 | 73 | 554 | 0.47 | 55.6 | 77 | 655 | 0.65 | 58.0 | 80 | | | | | | | | | |
| 80 | 8.14 | 475 | 0.43 | 42.7 | 75 | 576 | 0.60 | 52.5 | 77 | 668 | 0.78 | 56.6 | 81 | 755 | 0.99 | 58.1 | 84 | | | | | |
| 90 | 9.16 | 508 | 0.56 | 39.1 | 78 | 599 | 0.74 | 49.5 | 79 | 688 | 0.95 | 54.7 | 81 | 769 | 1.17 | 56.9 | 84 | 845 | 1.40 | 58.0 | 87 | |
| 100 | 10.18 | 545 | 0.74 | 36.3 | 81 | 629 | 0.92 | 46.4 | 81 | 709 | 1.14 | 51.9 | 82 | 786 | 1.37 | 55.4 | 85 | 858 | 1.62 | 56.9 | 87 | |
| 110 | 11.19 | 578 | 0.92 | 34.4 | 83 | 663 | 1.15 | 43.3 | 83 | 734 | 1.36 | 49.5 | 84 | 805 | 1.59 | 53.5 | 85 | 875 | 1.85 | 55.8 | 88 | |
| 120 | 12.21 | 616 | 1.15 | 32.7 | 85 | 696 | 1.41 | 40.6 | 85 | 764 | 1.64 | 46.8 | 86 | 830 | 1.90 | 50.8 | 86 | 894 | 2.13 | 54.1 | 88 | |
| 130 | 13.23 | 655 | 1.43 | 30.8 | 87 | 728 | 1.68 | 38.5 | 87 | 797 | 1.96 | 44.3 | 88 | 857 | 2.22 | 48.7 | 88 | 918 | 2.49 | 51.7 | 89 | |
| 140 | 14.25 | 694 | 1.74 | 29.5 | 88 | 764 | 2.03 | 36.5 | 89 | 829 | 2.31 | 42.1 | 89 | 887 | 2.57 | 46.7 | 90 | 943 | 2.86 | 49.9 | 90 | |
| 150 | 15.26 | 734 | 2.09 | 28.4 | 90 | 799 | 2.39 | 35.0 | 91 | 860 | 2.68 | 40.2 | 91 | 919 | 3.01 | 44.3 | 91 | 972 | 3.30 | 47.8 | 92 | |
| 160 | 16.28 | 774 | 2.49 | 27.4 | 92 | 834 | 2.79 | 33.8 | 92 | 895 | 3.13 | 38.5 | 92 | 949 | 3.44 | 42.5 | 93 | 1001 | 3.76 | 45.9 | 93 | |
| 170 | 17.30 | 816 | 2.97 | 26.4 | 93 | 873 | 3.29 | 32.2 | 94 | 930 | 3.63 | 36.9 | 94 | 985 | 3.99 | 40.6 | 94 | 1033 | 4.29 | 44.0 | 94 | |

| 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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| 60 | 6.11 | | | | | | | | | | | | | | | | | | | | | |
| 70 | 7.12 | | | | | | | | | | | | | | | | | | | | | |
| 80 | 8.14 | | | | | | | | | | | | | | | | | | | | | |
| 90 | 9.16 | | | | | | | | | | | | | | | | | | | | | |
| 100 | 10.18 | 927 | 1.86 | 58.0 | 90 | | | | | | | | | | | | | | | | | |
| 110 | 11.19 | 942 | 2.14 | 56.9 | 91 | 1004 | 2.40 | 57.9 | 93 | 1060 | 2.68 | 58.3 | 94 | | | | | | | | | |
| 120 | 12.21 | 958 | 2.43 | 55.8 | 91 | 1018 | 2.73 | 56.8 | 93 | 1076 | 3.02 | 57.7 | 94 | 1132 | 3.34 | 58.1 | 95 | | | | | |
| 130 | 13.23 | 977 | 2.75 | 54.4 | 91 | 1035 | 3.07 | 55.8 | 93 | 1092 | 3.41 | 56.6 | 94 | 1146 | 3.73 | 57.3 | 94 | 1198 | 4.06 | 57.9 | 95 | |
| 140 | 14.25 | 999 | 3.17 | 52.2 | 91 | 1054 | 3.45 | 54.4 | 92 | 1109 | 3.80 | 55.6 | 94 | 1161 | 4.15 | 56.4 | 95 | 1212 | 4.50 | 57.1 | 95 | |
| 150 | 15.26 | 1024 | 3.61 | 50.4 | 92 | 1077 | 3.94 | 52.5 | 93 | 1127 | 4.22 | 54.4 | 94 | 1178 | 4.58 | 55.5 | 95 | 1227 | 4.96 | 56.2 | 95 | |
| 160 | 16.28 | 1051 | 4.09 | 48.7 | 93 | 1100 | 4.42 | 50.8 | 94 | 1149 | 4.78 | 52.5 | 94 | 1198 | 5.11 | 54.2 | 95 | 1245 | 5.47 | 55.3 | 96 | |
| 170 | 17.30 | 1081 | 4.65 | 46.8 | 95 | 1127 | 4.99 | 49.2 | 95 | 1174 | 5.37 | 50.8 | 95 | 1220 | 5.73 | 52.5 | 96 | 1265 | 6.05 | 54.1 | 96 | |

- Power rating BkW does not include transmission losses.
 - The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for installation type B(free inlet, ducted outlet).
 - Performance certified is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenance (accessories).

GSF-SS series

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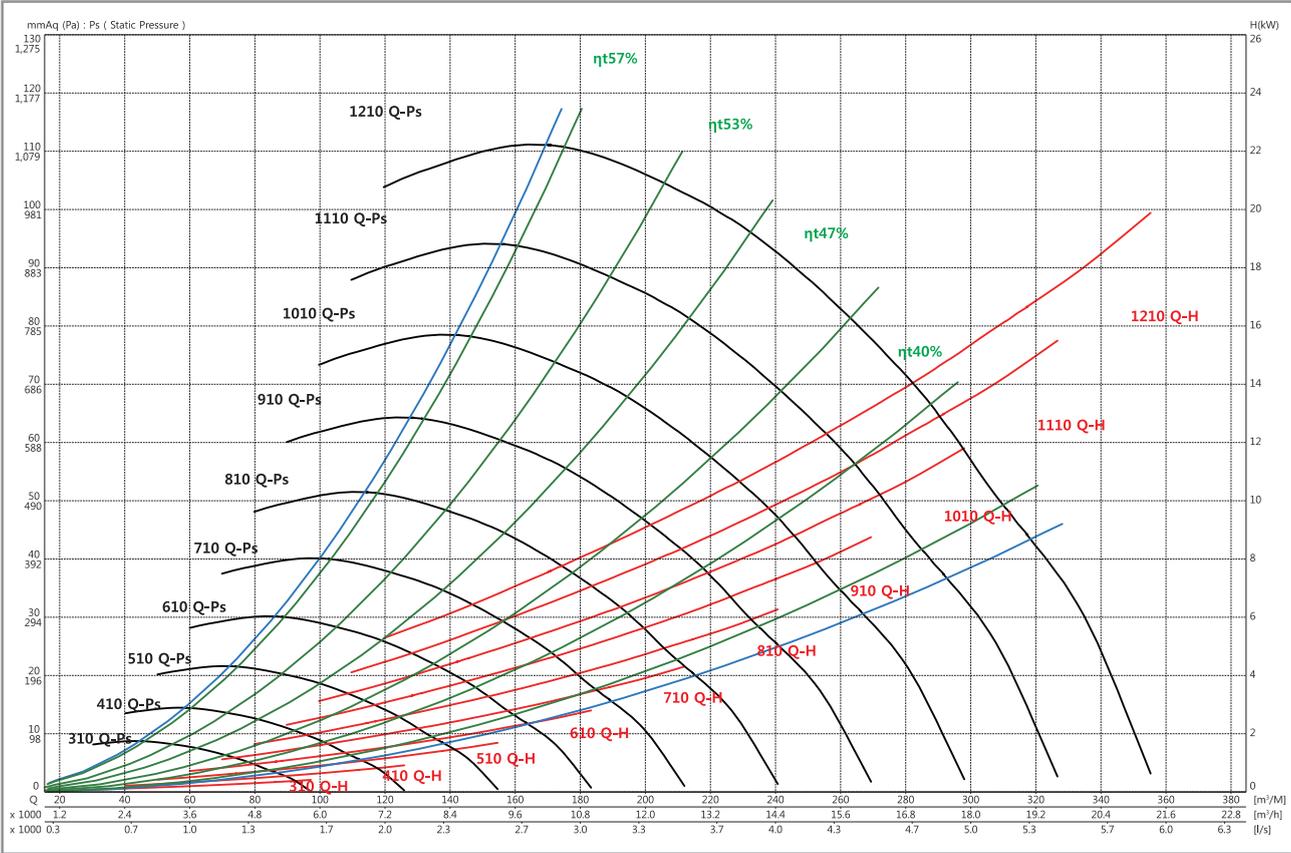
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GSF-3.25SS

FEG 63

| | | | | | | | | | | | |
|-----------|--------|---------------------------|-------------|-----------|-------------|-----------------------|---------|---------|---------|----------|----------------|
| Wheel dia | 490 mm | Tip Speed = 0.02566 * rpm | Outlet Dim' | 390 * 495 | Outlet Area | 0.1931 m ² | Class 1 | 974 rpm | Class 2 | 1228 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 | ηt | PWL | rpm | BkW | ηt | PWL | rpm | BkW | ηt | PWL | rpm | BkW | ηt | PWL | rpm | BkW | ηt | PWL |
| 75 | 6.48 | 388 | 0.31 | 49.7 | 70 | 499 | 0.48 | 57.0 | 80 | | | | | | | | | | | | |
| 87.5 | 7.55 | 417 | 0.42 | 44.8 | 74 | 516 | 0.61 | 54.6 | 78 | 606 | 0.83 | 57.6 | 82 | | | | | | | | |
| 100 | 8.63 | 451 | 0.58 | 40.9 | 77 | 538 | 0.78 | 51.3 | 78 | 621 | 1.01 | 55.9 | 82 | 699 | 1.26 | 57.7 | 84 | | | | |
| 112.5 | 9.71 | 484 | 0.77 | 37.8 | 80 | 565 | 0.99 | 47.8 | 81 | 640 | 1.22 | 53.5 | 82 | 713 | 1.49 | 56.2 | 85 | 781 | 1.76 | 57.7 | 87 |
| 125 | 10.79 | 517 | 0.99 | 35.3 | 82 | 595 | 1.23 | 44.8 | 83 | 663 | 1.49 | 50.6 | 83 | 732 | 1.77 | 54.4 | 85 | 797 | 2.08 | 56.2 | 88 |
| 137.5 | 11.87 | 553 | 1.26 | 33.2 | 85 | 626 | 1.53 | 41.8 | 85 | 691 | 1.81 | 47.8 | 86 | 754 | 2.11 | 51.9 | 86 | 814 | 2.40 | 54.7 | 88 |
| 150 | 12.95 | 590 | 1.58 | 31.3 | 87 | 660 | 1.89 | 39.1 | 87 | 721 | 2.18 | 45.2 | 88 | 777 | 2.46 | 49.7 | 88 | 835 | 2.81 | 52.5 | 89 |
| 162.5 | 14.03 | 627 | 1.95 | 29.7 | 89 | 693 | 2.29 | 37.1 | 89 | 751 | 2.58 | 43.0 | 89 | 806 | 2.92 | 47.2 | 90 | 859 | 3.26 | 50.4 | 90 |
| 175 | 15.11 | 665 | 2.37 | 28.7 | 90 | 725 | 2.71 | 35.5 | 90 | 784 | 3.08 | 40.6 | 91 | 837 | 3.44 | 44.8 | 91 | 885 | 3.76 | 48.4 | 92 |
| 187.5 | 16.19 | 706 | 2.90 | 27.4 | 92 | 760 | 3.22 | 34.0 | 92 | 817 | 3.63 | 38.7 | 93 | 866 | 3.96 | 43.0 | 93 | 914 | 4.34 | 46.4 | 93 |
| 200 | 17.27 | 745 | 3.44 | 26.8 | 94 | 796 | 3.79 | 32.7 | 94 | 850 | 4.22 | 37.1 | 94 | 900 | 4.64 | 40.9 | 94 | 945 | 5.01 | 44.3 | 95 |
| 212.5 | 18.35 | 785 | 4.09 | 25.7 | 95 | 835 | 4.48 | 31.3 | 95 | 885 | 4.90 | 35.7 | 95 | 933 | 5.35 | 39.1 | 96 | 976 | 5.72 | 42.5 | 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 | ηt | PWL | rpm | BkW | ηt | PWL | |
| 75 | 6.48 | | | | | | | | | | | | | | | | | | | | | |
| 87.5 | 7.55 | | | | | | | | | | | | | | | | | | | | | |
| 100 | 8.63 | | | | | | | | | | | | | | | | | | | | | |
| 112.5 | 9.71 | | | | | | | | | | | | | | | | | | | | | |
| 125 | 10.79 | 858 | 2.38 | 57.4 | 90 | 916 | 2.68 | 58.2 | 93 | | | | | | | | | | | | | |
| 137.5 | 11.87 | 873 | 2.73 | 56.2 | 90 | 930 | 3.09 | 57.1 | 93 | 984 | 3.44 | 57.9 | 95 | | | | | | | | | |
| 150 | 12.95 | 891 | 3.13 | 54.9 | 91 | 945 | 3.49 | 56.1 | 93 | 997 | 3.86 | 57.0 | 95 | 1048 | 4.24 | 57.7 | 96 | 1096 | 4.64 | 58.1 | 97 | |
| 162.5 | 14.03 | 912 | 3.61 | 52.9 | 91 | 962 | 3.94 | 54.8 | 93 | 1013 | 4.35 | 55.9 | 95 | 1061 | 4.74 | 56.8 | 96 | 1109 | 5.17 | 57.3 | 97 | |
| 175 | 15.11 | 935 | 4.15 | 50.8 | 92 | 983 | 4.49 | 53.2 | 93 | 1031 | 4.91 | 54.6 | 95 | 1078 | 5.31 | 55.8 | 96 | 1124 | 5.76 | 56.4 | 97 | |
| 187.5 | 16.19 | 960 | 4.74 | 49.0 | 94 | 1006 | 5.12 | 51.2 | 94 | 1052 | 5.54 | 53.0 | 95 | 1097 | 5.96 | 54.4 | 96 | 1140 | 6.39 | 55.4 | 97 | |
| 200 | 17.27 | 988 | 5.40 | 47.1 | 95 | 1031 | 5.79 | 49.5 | 95 | 1074 | 6.23 | 51.2 | 95 | 1118 | 6.69 | 52.8 | 96 | 1160 | 7.11 | 54.2 | 97 | |
| 212.5 | 18.35 | 1020 | 6.18 | 45.2 | 96 | 1060 | 6.60 | 47.5 | 97 | 1100 | 7.01 | 49.6 | 97 | 1140 | 7.45 | 51.2 | 97 | 1181 | 7.92 | 52.7 | 98 | |

- Power rating BkW does not include transmission losses.
 - The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for installation type B (free inlet, ducted outlet).
 - Performance certified is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenance (accessories).
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GSF-SS series

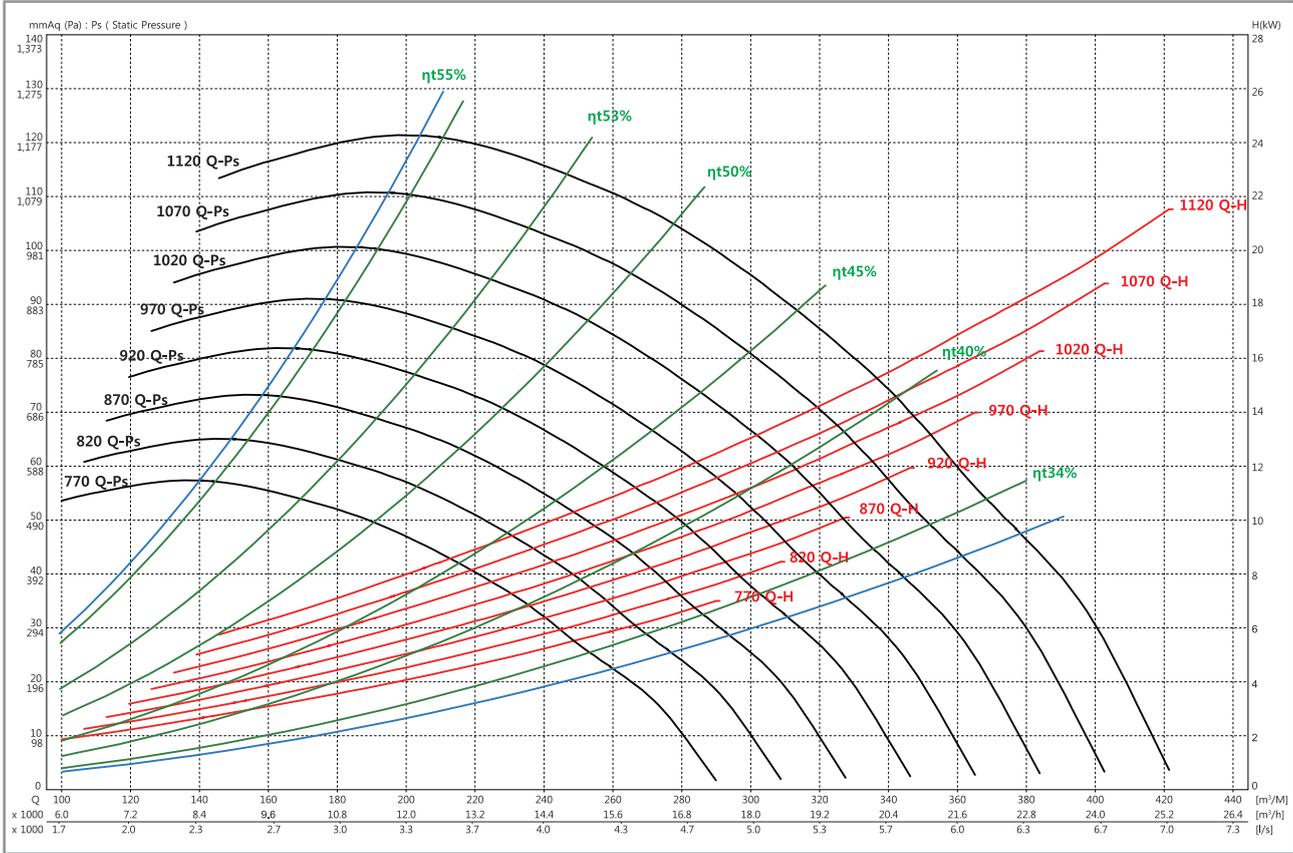
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GSF-3.5SS FEG 60

| | | | | | | | | | | | |
|-----------|--------|---------------------------|-------------|-----------|-------------|-----------------------|---------|---------|---------|----------|----------------|
| Wheel dia | 525 mm | Tip Speed = 0.02749 * rpm | Outlet Dim' | 420 * 535 | Outlet Area | 0.2247 m ² | Class 1 | 909 rpm | Class 2 | 1146 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 | ηt | PWL | rpm | BkW | ηt | PWL | rpm | BkW | ηt | PWL | rpm | BkW | ηt | PWL | rpm | BkW | ηt | PWL | |
| | | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | |
| 150 | 11.13 | | | | | | | | | | | | | | | | | | | | | |
| 160 | 11.87 | | | | | | | | | | | | | | | | | | | | | |
| 170 | 12.61 | | | | | | | | | | | | | | | | | | | | | |
| 180 | 13.35 | | | | | | | | | | | | | | | | | | | | | |
| 190 | 14.09 | | | | | | | | | | | | | | | | | | | | | |
| 200 | 14.83 | | | | | | | | | | | | | | | | | | 771 | 3.82 | 50.4 | 91 |
| 210 | 15.58 | | | | | | | | | | | | | | | | | | 784 | 4.19 | 49.2 | 92 |
| 220 | 16.32 | | | | | | | | | | | | | | | | | | 799 | 4.62 | 48.0 | 93 |
| 230 | 17.06 | | | | | | | | | | | | | 770 | 4.64 | 43.9 | 93 | 815 | 5.09 | 46.8 | 93 | |
| 240 | 17.80 | | | | | | | | | | | | | 786 | 5.10 | 42.6 | 94 | 832 | 5.59 | 45.6 | 94 | |
| 250 | 18.54 | | | | | | | | | | | | | 804 | 5.59 | 41.7 | 95 | 849 | 6.13 | 44.4 | 95 | |
| 260 | 19.28 | | | | | | | | | | | | | 782 | 5.68 | 36.6 | 95 | 822 | 6.13 | 40.5 | 96 | |
| | | | | | | | | | | | | | | 803 | 6.28 | 35.6 | 96 | 843 | 6.78 | 39.3 | 97 | |
| | | | | | | | | | | | | | | | | | | | | | | |

| 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 | ηt | PWL | rpm | BkW | ηt | PWL | |
| | | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | |
| 150 | 11.13 | 789 | 3.01 | 55.0 | 87 | | | | | | | | | | | | | | | | | |
| 160 | 11.87 | 795 | 3.29 | 54.5 | 88 | 851 | 3.71 | 55.1 | 89 | | | | | | | | | | | | | |
| 170 | 12.61 | 804 | 3.61 | 53.8 | 89 | 857 | 4.03 | 54.7 | 90 | 910 | 4.51 | 55.1 | 91 | | | | | | | | | |
| 180 | 13.35 | 813 | 3.93 | 53.0 | 90 | 865 | 4.39 | 54.1 | 91 | 915 | 4.87 | 54.8 | 91 | 965 | 5.38 | 55.1 | 92 | | | | | |
| 190 | 14.09 | 823 | 4.27 | 52.2 | 91 | 874 | 4.78 | 53.3 | 92 | 923 | 5.27 | 54.2 | 92 | 970 | 5.79 | 54.8 | 93 | 1018 | 6.30 | 55.1 | 93 | |
| 200 | 14.83 | 834 | 4.68 | 51.2 | 92 | 883 | 5.17 | 52.5 | 92 | 931 | 5.69 | 53.5 | 93 | 977 | 6.22 | 54.3 | 93 | 1022 | 6.75 | 54.8 | 94 | |
| 210 | 15.58 | 848 | 5.13 | 50.1 | 93 | 894 | 5.63 | 51.7 | 93 | 941 | 6.18 | 52.7 | 94 | 986 | 6.71 | 53.6 | 94 | 1029 | 7.23 | 54.4 | 95 | |
| 220 | 16.32 | 861 | 5.59 | 49.1 | 94 | 905 | 6.07 | 50.9 | 94 | 951 | 6.65 | 52.1 | 95 | 996 | 7.22 | 53.0 | 95 | 1038 | 7.78 | 53.8 | 95 | |
| 230 | 17.06 | 875 | 6.07 | 48.0 | 95 | 919 | 6.61 | 49.8 | 95 | 963 | 7.17 | 51.2 | 95 | 1005 | 7.73 | 52.3 | 96 | 1047 | 8.31 | 53.1 | 96 | |
| 240 | 17.80 | 892 | 6.65 | 46.9 | 95 | 933 | 7.16 | 48.9 | 96 | 975 | 7.74 | 50.4 | 96 | 1016 | 8.31 | 51.6 | 96 | 1057 | 8.92 | 52.4 | 97 | |
| 250 | 18.54 | 908 | 7.25 | 45.7 | 96 | 948 | 7.75 | 47.8 | 97 | 988 | 8.31 | 49.5 | 97 | 1028 | 8.88 | 50.9 | 97 | 1068 | 9.53 | 51.8 | 98 | |
| 260 | 19.28 | 924 | 7.82 | 44.8 | 97 | 964 | 8.41 | 46.8 | 97 | 1002 | 8.96 | 48.5 | 98 | 1041 | 9.57 | 49.8 | 98 | 1079 | 10.2 | 51.1 | 98 | |

- Power rating BkW does not include transmission losses.
 - The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwIA sound power levels for installation type B (free inlet, ducted outlet).
 - Performance certified is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenance (accessories).

GSF-SS series

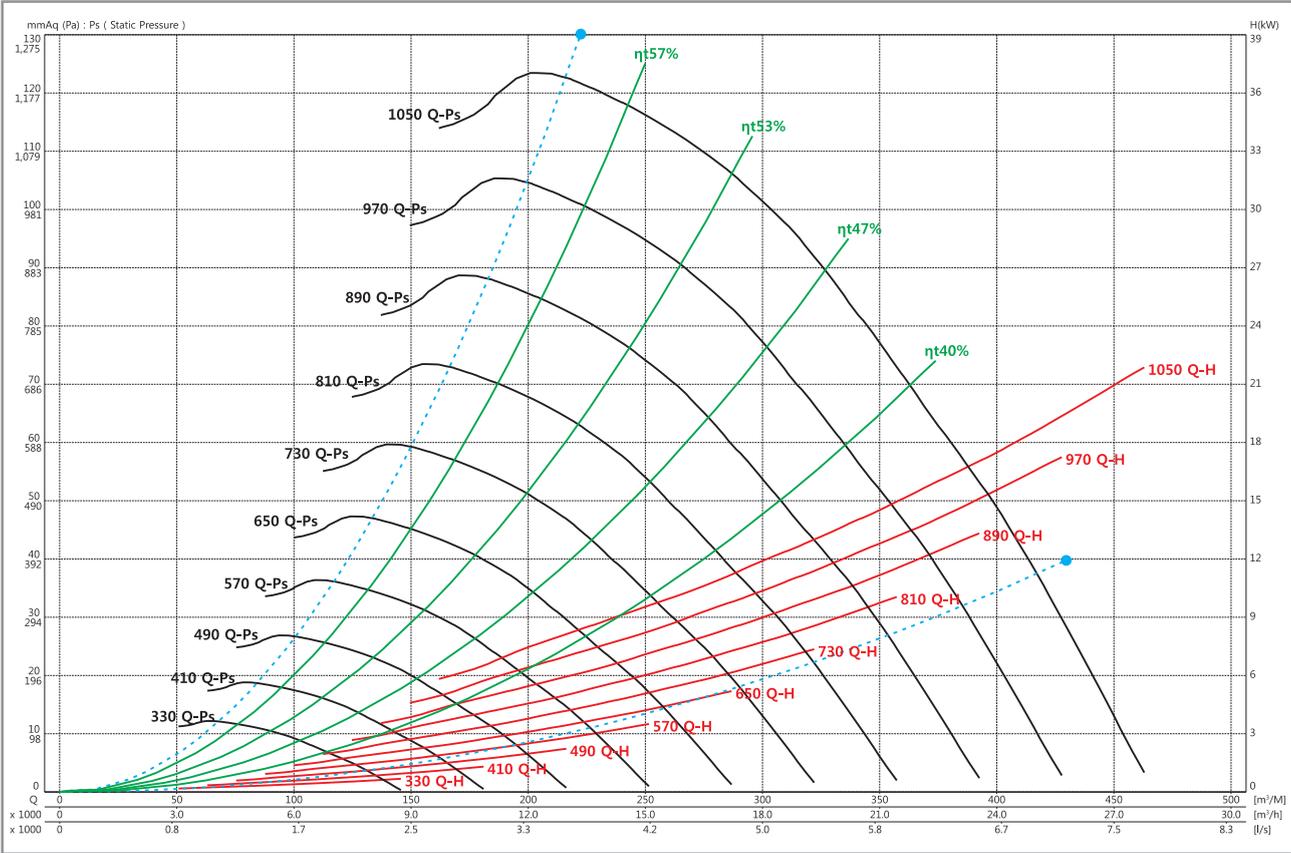
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GSF-3.75SS FEG 60

| | | | | | | | | | | | |
|-----------|--------|---------------------------|-------------|-----------|-------------|-----------------------|---------|---------|---------|----------|----------------|
| Wheel dia | 565 mm | Tip Speed = 0.02958 * rpm | Outlet Dim' | 450 * 570 | Outlet Area | 0.2565 m ² | Class 1 | 845 rpm | Class 2 | 1065 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 | ηt | PWL | rpm | BkW | ηt | PWL | rpm | BkW | ηt | PWL | rpm | BkW | ηt | PWL | rpm | BkW | ηt | PWL |
| 115 | 7.47 | 361 | 0.56 | 45.2 | 74 | 446 | 0.80 | 55.0 | 78 | 525 | 1.09 | 57.7 | 85 | | | | | | | | |
| 130 | 8.45 | 385 | 0.73 | 41.8 | 77 | 463 | 1.00 | 51.7 | 79 | 536 | 1.30 | 56.1 | 84 | 604 | 1.63 | 57.9 | 86 | | | | |
| 145 | 9.42 | 410 | 0.94 | 38.5 | 80 | 483 | 1.24 | 48.7 | 81 | 551 | 1.55 | 54.2 | 84 | 615 | 1.90 | 56.6 | 86 | 675 | 2.26 | 57.9 | 88 |
| 160 | 10.40 | 437 | 1.20 | 35.9 | 82 | 505 | 1.51 | 45.6 | 83 | 568 | 1.86 | 51.5 | 84 | 628 | 2.20 | 55.2 | 86 | 686 | 2.60 | 56.8 | 88 |
| 175 | 11.37 | 464 | 1.49 | 34.0 | 84 | 530 | 1.85 | 43.0 | 85 | 587 | 2.18 | 49.4 | 85 | 643 | 2.56 | 53.2 | 87 | 698 | 2.96 | 55.6 | 89 |
| 190 | 12.35 | 493 | 1.85 | 32.2 | 86 | 555 | 2.23 | 40.6 | 87 | 610 | 2.60 | 46.8 | 87 | 662 | 3.00 | 50.8 | 88 | 714 | 3.42 | 53.9 | 89 |
| 205 | 13.32 | 522 | 2.25 | 30.8 | 88 | 581 | 2.67 | 38.5 | 88 | 634 | 3.08 | 44.3 | 89 | 682 | 3.47 | 48.9 | 89 | 731 | 3.93 | 51.7 | 90 |
| 220 | 14.29 | 552 | 2.73 | 29.5 | 90 | 607 | 3.15 | 36.8 | 90 | 658 | 3.59 | 42.2 | 90 | 705 | 4.03 | 46.7 | 91 | 750 | 4.49 | 49.9 | 91 |
| 235 | 15.27 | 581 | 3.23 | 28.4 | 91 | 633 | 3.69 | 35.3 | 92 | 684 | 4.19 | 40.3 | 92 | 729 | 4.64 | 44.7 | 92 | 771 | 5.12 | 48.0 | 93 |
| 250 | 16.24 | 613 | 3.86 | 27.4 | 93 | 661 | 4.31 | 34.0 | 93 | 710 | 4.85 | 38.7 | 93 | 753 | 5.34 | 42.7 | 94 | 794 | 5.83 | 46.1 | 94 |
| 265 | 17.22 | 644 | 4.53 | 26.8 | 94 | 689 | 5.01 | 32.7 | 94 | 736 | 5.59 | 37.1 | 95 | 779 | 6.11 | 41.0 | 95 | 819 | 6.64 | 44.3 | 95 |
| 280 | 18.19 | 675 | 5.30 | 25.7 | 96 | 718 | 5.79 | 31.5 | 96 | 762 | 6.35 | 35.9 | 96 | 804 | 6.95 | 39.4 | 96 | 843 | 7.49 | 42.7 | 97 |

| 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 | ηt | PWL | rpm | BkW | ηt | PWL | |
| 115 | 7.47 | | | | | | | | | | | | | | | | | | | | | |
| 130 | 8.45 | | | | | | | | | | | | | | | | | | | | | |
| 145 | 9.42 | | | | | | | | | | | | | | | | | | | | | |
| 160 | 10.40 | 740 | 3.00 | 57.9 | 90 | | | | | | | | | | | | | | | | | |
| 175 | 11.37 | 751 | 3.41 | 56.8 | 90 | 801 | 3.85 | 57.8 | 92 | 848 | 4.29 | 58.3 | 94 | | | | | | | | | |
| 190 | 12.35 | 764 | 3.85 | 55.8 | 91 | 812 | 4.33 | 56.8 | 92 | 858 | 4.80 | 57.6 | 94 | 903 | 5.31 | 58.1 | 96 | | | | | |
| 205 | 13.32 | 778 | 4.35 | 54.3 | 91 | 824 | 4.83 | 55.8 | 93 | 869 | 5.36 | 56.6 | 95 | 913 | 5.88 | 57.3 | 97 | 954 | 6.40 | 57.9 | 99 | |
| 220 | 14.29 | 795 | 4.94 | 52.5 | 92 | 839 | 5.43 | 54.4 | 93 | 882 | 5.94 | 55.7 | 95 | 924 | 6.51 | 56.4 | 97 | 965 | 7.05 | 57.1 | 99 | |
| 235 | 15.27 | 813 | 5.60 | 50.6 | 93 | 855 | 6.10 | 52.8 | 94 | 897 | 6.61 | 54.5 | 95 | 937 | 7.16 | 55.6 | 97 | 977 | 7.78 | 56.3 | 99 | |
| 250 | 16.24 | 833 | 6.31 | 49.0 | 94 | 874 | 6.89 | 50.9 | 95 | 913 | 7.39 | 52.9 | 96 | 952 | 7.94 | 54.4 | 97 | 990 | 8.54 | 55.4 | 99 | |
| 265 | 17.22 | 856 | 7.13 | 47.2 | 96 | 893 | 7.67 | 49.5 | 96 | 931 | 8.24 | 51.3 | 96 | 968 | 8.82 | 52.9 | 97 | 1004 | 9.36 | 54.3 | 98 | |
| 280 | 18.19 | 880 | 8.04 | 45.5 | 97 | 915 | 8.60 | 47.8 | 97 | 950 | 9.15 | 49.8 | 97 | 986 | 9.80 | 51.3 | 98 | 1021 | 10.30 | 52.9 | 99 | |

- Power rating BkW does not include transmission losses. GSF-SS Version 12.1_January,2026
 - The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for installation type B(free inlet, ducted outlet).
 - Performance certified is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenance (accessories).

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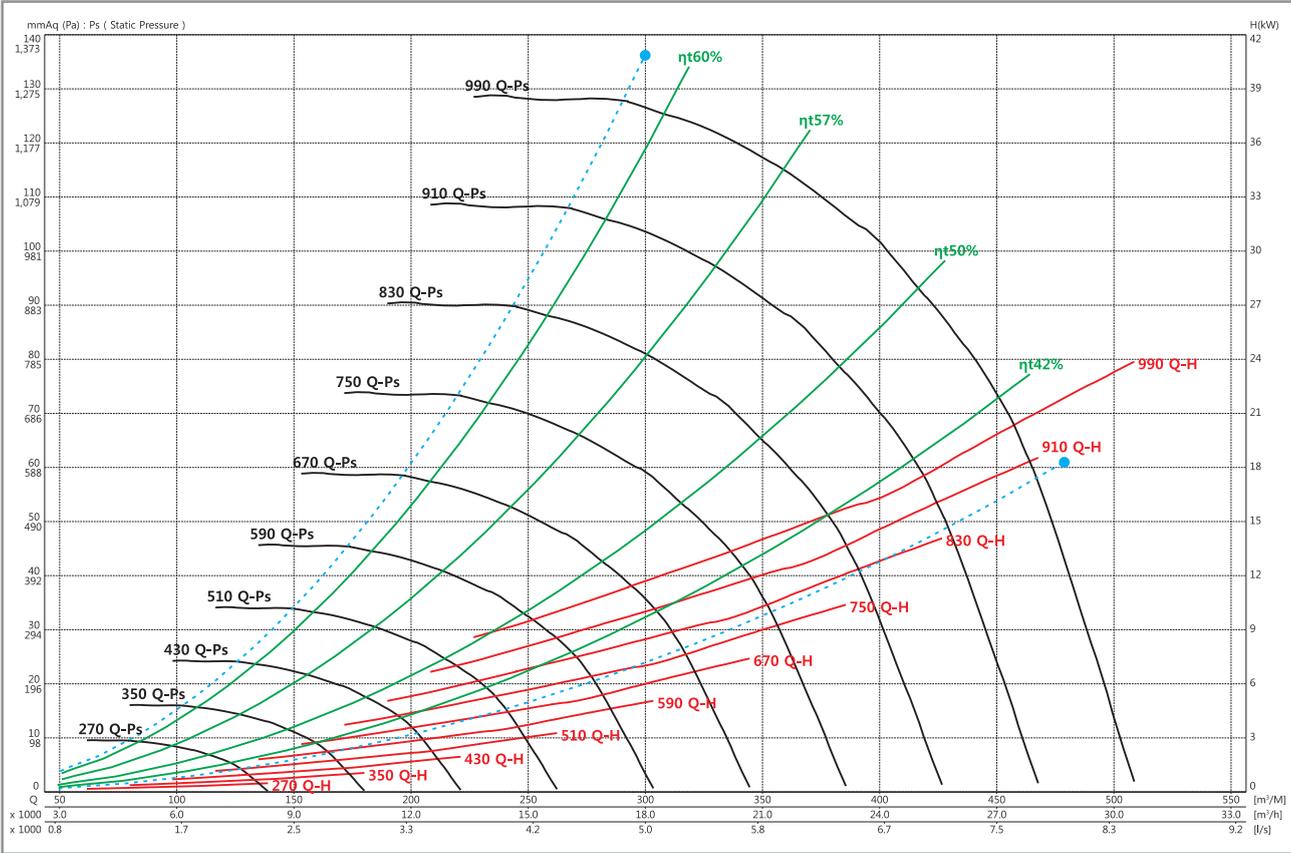
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GSF-4SS

FEG 63

| | | | | | | | | | | | |
|-----------|--------|---------------------------|-------------|-----------|-------------|-----------------------|---------|---------|---------|----------|----------------|
| Wheel dia | 600 mm | Tip Speed = 0.03142 * rpm | Outlet Dim' | 480 * 610 | Outlet Area | 0.2928 m ² | Class 1 | 769 rpm | Class 2 | 1003 rpm | Not Applicable |
|-----------|--------|---------------------------|-------------|-----------|-------------|-----------------------|---------|---------|---------|----------|----------------|



| Air flow (m ³ /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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| 120 | 6.83 | 305 | 0.46 | 54.0 | 70 | 394 | 0.75 | 60.2 | 72 | | | | | | | | | | | | | |
| 137.5 | 7.83 | 327 | 0.63 | 49.5 | 73 | 404 | 0.91 | 58.7 | 74 | | | | | | | | | | | | | |
| 155 | 8.82 | 349 | 0.84 | 44.5 | 77 | 418 | 1.12 | 56.2 | 77 | 486 | 1.47 | 59.7 | 78 | | | | | | | | | |
| 172.5 | 9.82 | 375 | 1.10 | 40.8 | 80 | 434 | 1.35 | 53.9 | 79 | 498 | 1.74 | 58.2 | 80 | 559 | 2.15 | 60.1 | 82 | | | | | |
| 190 | 10.82 | 405 | 1.43 | 37.3 | 82 | 456 | 1.68 | 50.3 | 81 | 512 | 2.05 | 56.2 | 82 | 568 | 2.47 | 59.1 | 83 | 623 | 2.94 | 60.2 | 85 | |
| 207.5 | 11.81 | 435 | 1.81 | 34.7 | 85 | 478 | 2.07 | 46.7 | 84 | 529 | 2.42 | 54.1 | 84 | 581 | 2.87 | 57.3 | 85 | 632 | 3.34 | 59.4 | 86 | |
| 225 | 12.81 | 467 | 2.28 | 32.4 | 87 | 502 | 2.52 | 43.7 | 86 | 548 | 2.84 | 51.9 | 85 | 596 | 3.31 | 55.4 | 86 | 644 | 3.80 | 58.0 | 87 | |
| 242.5 | 13.80 | 499 | 2.82 | 30.4 | 89 | 529 | 3.08 | 40.8 | 88 | 570 | 3.38 | 48.8 | 88 | 613 | 3.79 | 54.0 | 88 | 658 | 4.34 | 56.3 | 89 | |
| 260 | 14.80 | 531 | 3.43 | 29.3 | 91 | 558 | 3.71 | 38.4 | 90 | 594 | 4.04 | 45.8 | 90 | 633 | 4.37 | 51.9 | 89 | 675 | 4.92 | 54.7 | 90 | |
| 277.5 | 15.80 | 564 | 4.15 | 28.1 | 93 | 588 | 4.41 | 36.5 | 92 | 618 | 4.72 | 43.6 | 92 | 655 | 5.09 | 49.2 | 91 | 692 | 5.53 | 53.6 | 91 | |
| 295 | 16.79 | 596 | 4.93 | 27.0 | 94 | 618 | 5.20 | 34.7 | 94 | 644 | 5.54 | 41.0 | 93 | 678 | 5.92 | 46.7 | 93 | 713 | 6.30 | 51.5 | 93 | |
| 312.5 | 17.79 | 628 | 5.82 | 25.6 | 96 | 650 | 6.12 | 33.1 | 95 | 673 | 6.46 | 39.1 | 95 | 702 | 6.83 | 44.5 | 95 | 735 | 7.23 | 49.0 | 94 | |

| Air flow (m ³ /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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| 120 | 6.83 | | | | | | | | | | | | | | | | | | | | | |
| 137.5 | 7.83 | | | | | | | | | | | | | | | | | | | | | |
| 155 | 8.82 | | | | | | | | | | | | | | | | | | | | | |
| 172.5 | 9.82 | | | | | | | | | | | | | | | | | | | | | |
| 190 | 10.82 | | | | | | | | | | | | | | | | | | | | | |
| 207.5 | 11.81 | 682 | 3.84 | 60.3 | 87 | | | | | | | | | | | | | | | | | |
| 225 | 12.81 | 691 | 4.32 | 59.5 | 88 | 738 | 4.89 | 60.2 | 89 | | | | | | | | | | | | | |
| 242.5 | 13.80 | 703 | 4.88 | 58.3 | 90 | 746 | 5.44 | 59.5 | 90 | 789 | 6.01 | 60.2 | 91 | 827 | 6.57 | 60.8 | 91 | | | | | |
| 260 | 14.80 | 716 | 5.47 | 56.9 | 91 | 757 | 6.03 | 58.5 | 91 | 798 | 6.66 | 59.5 | 92 | 838 | 7.28 | 60.0 | 92 | 877 | 7.94 | 60.6 | 93 | |
| 277.5 | 15.80 | 732 | 6.16 | 55.3 | 92 | 770 | 6.73 | 57.2 | 92 | 809 | 7.37 | 58.5 | 93 | 847 | 8.01 | 59.5 | 93 | 885 | 8.70 | 59.9 | 94 | |
| 295 | 16.79 | 749 | 6.88 | 54.0 | 93 | 786 | 7.54 | 55.7 | 93 | 822 | 8.17 | 57.3 | 94 | 859 | 8.82 | 58.5 | 94 | 894 | 9.51 | 59.3 | 95 | |
| 312.5 | 17.79 | 767 | 7.66 | 52.7 | 94 | 803 | 8.38 | 54.4 | 94 | 837 | 9.04 | 55.9 | 95 | 872 | 9.72 | 57.3 | 95 | 906 | 10.40 | 58.4 | 96 | |

- Power rating BkW does not include transmission losses. GSF-SS Version 12.1_January,2026
 - The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for installation type B(free inlet, ducted outlet).
 - Performance certified is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenance (accessories).

GSF-SS series

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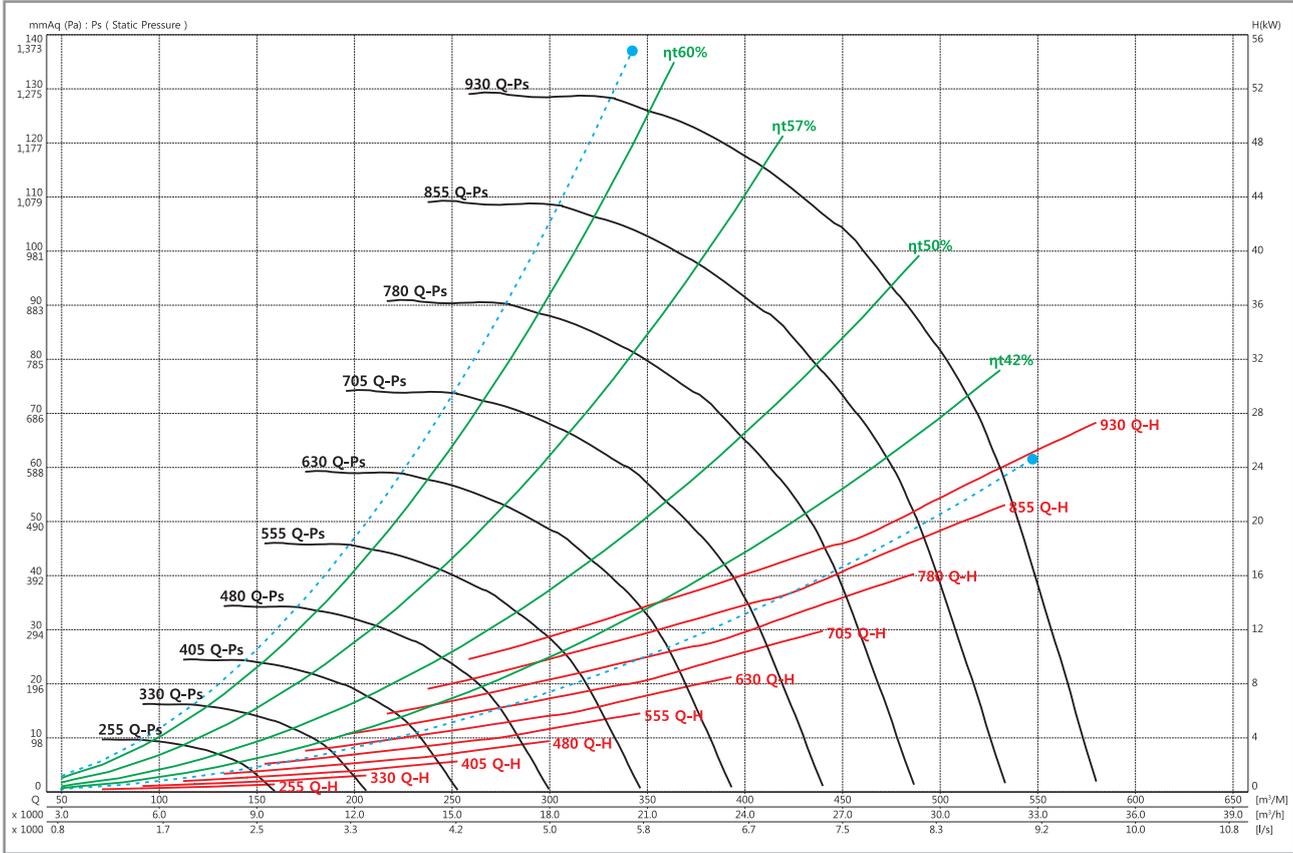
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GSF-4.25SS

FEG 63

| | | | | | | | | | | | |
|-----------|--------|---------------------------|-------------|-----------|-------------|-----------------------|---------|---------|---------|---------|----------------|
| Wheel dia | 640 mm | Tip Speed = 0.03351 * rpm | Outlet Dim' | 510 * 650 | Outlet Area | 0.3315 m ² | Class 1 | 746 rpm | Class 2 | 940 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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| 130 | 6.54 | 281 | 0.49 | 55.0 | 69 | 366 | 0.79 | 60.7 | 72 | | | | | | | | | | | | | |
| 150 | 7.54 | 299 | 0.64 | 51.5 | 72 | 375 | 0.97 | 59.3 | 74 | | | | | | | | | | | | | |
| 170 | 8.55 | 320 | 0.87 | 45.7 | 76 | 387 | 1.19 | 56.9 | 76 | 454 | 1.59 | 60.1 | 78 | | | | | | | | | |
| 190 | 9.55 | 344 | 1.16 | 41.7 | 79 | 402 | 1.46 | 54.3 | 79 | 463 | 1.87 | 58.8 | 80 | 521 | 2.33 | 60.5 | 81 | | | | | |
| 210 | 10.56 | 371 | 1.51 | 38.1 | 82 | 421 | 1.78 | 51.7 | 81 | 475 | 2.21 | 56.8 | 82 | 529 | 2.68 | 59.5 | 83 | 582 | 3.21 | 60.6 | 84 | |
| 230 | 11.56 | 399 | 1.92 | 35.5 | 84 | 441 | 2.21 | 47.7 | 83 | 491 | 2.62 | 54.6 | 84 | 541 | 3.12 | 57.9 | 85 | 589 | 3.64 | 59.7 | 86 | |
| 250 | 12.57 | 429 | 2.43 | 33.1 | 87 | 464 | 2.72 | 44.5 | 86 | 508 | 3.06 | 52.9 | 85 | 554 | 3.61 | 56.0 | 86 | 600 | 4.16 | 58.4 | 87 | |
| 270 | 13.57 | 459 | 3.01 | 31.6 | 89 | 489 | 3.31 | 41.8 | 88 | 529 | 3.67 | 49.6 | 87 | 570 | 4.15 | 54.3 | 88 | 613 | 4.74 | 56.9 | 88 | |
| 290 | 14.58 | 489 | 3.70 | 29.3 | 91 | 515 | 4.00 | 39.1 | 90 | 549 | 4.34 | 46.7 | 89 | 587 | 4.74 | 52.7 | 89 | 628 | 5.39 | 55.2 | 90 | |
| 310 | 15.59 | 519 | 4.46 | 28.1 | 92 | 542 | 4.75 | 37.0 | 92 | 572 | 5.13 | 44.1 | 91 | 608 | 5.54 | 49.9 | 91 | 643 | 6.06 | 53.9 | 91 | |
| 330 | 16.59 | 550 | 5.35 | 27.0 | 94 | 571 | 5.66 | 34.7 | 94 | 597 | 6.04 | 41.7 | 93 | 629 | 6.46 | 47.2 | 93 | 662 | 6.91 | 51.9 | 92 | |
| 350 | 17.60 | 580 | 6.32 | 25.9 | 96 | 601 | 6.68 | 33.1 | 95 | 623 | 7.02 | 39.8 | 95 | 651 | 7.46 | 45.0 | 94 | 683 | 7.93 | 49.5 | 94 | |

| 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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| 130 | 6.54 | | | | | | | | | | | | | | | | | | | | | |
| 150 | 7.54 | | | | | | | | | | | | | | | | | | | | | |
| 170 | 8.55 | | | | | | | | | | | | | | | | | | | | | |
| 190 | 9.55 | | | | | | | | | | | | | | | | | | | | | |
| 210 | 10.56 | | | | | | | | | | | | | | | | | | | | | |
| 230 | 11.56 | 637 | 4.21 | 60.6 | 87 | | | | | | | | | | | | | | | | | |
| 250 | 12.57 | 645 | 4.75 | 59.8 | 88 | 689 | 5.38 | 60.5 | 89 | | | | | | | | | | | | | |
| 270 | 13.57 | 655 | 5.33 | 58.7 | 89 | 697 | 5.97 | 59.8 | 90 | 737 | 6.65 | 60.4 | 91 | | | | | | | | | |
| 290 | 14.58 | 667 | 6.00 | 57.3 | 91 | 707 | 6.68 | 58.8 | 91 | 745 | 7.34 | 59.7 | 92 | 784 | 8.07 | 60.3 | 92 | | | | | |
| 310 | 15.59 | 682 | 6.78 | 55.8 | 92 | 719 | 7.47 | 57.5 | 93 | 755 | 8.14 | 58.8 | 93 | 791 | 8.85 | 59.7 | 93 | 828 | 9.65 | 60.1 | 94 | |
| 330 | 16.59 | 698 | 7.63 | 54.3 | 93 | 732 | 8.30 | 56.1 | 94 | 767 | 9.04 | 57.5 | 94 | 802 | 9.76 | 58.8 | 94 | 836 | 10.5 | 59.6 | 95 | |
| 350 | 17.60 | 714 | 8.43 | 53.3 | 94 | 748 | 9.25 | 54.7 | 95 | 781 | 10.0 | 56.3 | 95 | 814 | 10.8 | 57.6 | 95 | 846 | 11.5 | 58.7 | 96 | |

- Power rating BkW does not include transmission losses.
 - The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for installation type B (free inlet, ducted outlet).
 - Performance certified is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenance (accessories).

GSF-SS Version 12.1_January,2026

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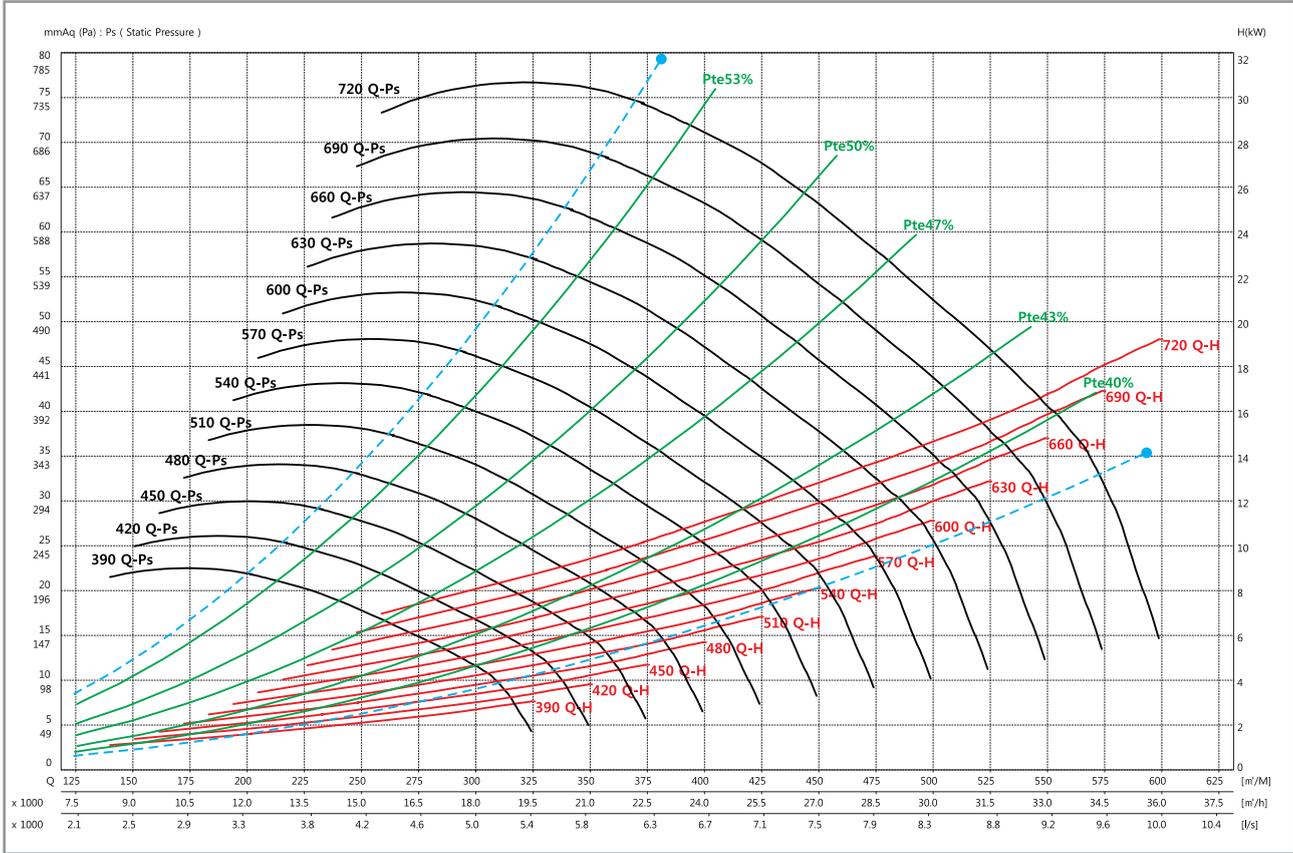
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GSF-4.5SS

FEG 56

| | | | | | | | | | | | |
|-----------|--------|----------------------------|-------------|-----------|-------------|-----------------------|---------|---------|---------|---------|----------------|
| Wheel dia | 675 mm | Tip Speed = 0.035343 * rpm | Outlet Dim' | 540 * 685 | Outlet Area | 0.3699 m ² | Class 1 | 707 rpm | Class 2 | 891 rpm | Not Applicable |
|-----------|--------|----------------------------|-------------|-----------|-------------|-----------------------|---------|---------|---------|---------|----------------|



| Air flow (m³/min) | Outlet Vel (m/sec) | 20 mmAq (196 Pa) | | | | 25 mmAq (245 Pa) | | | | 30 mmAq (294 Pa) | | | | 35 mmAq (343 Pa) | | | | 40 mmAq (392 Pa) | | | |
|-------------------|--------------------|------------------|--------|----------------|------|------------------|--------|----------------|------|------------------|--------|----------------|------|------------------|--------|----------------|------|------------------|--------|----------------|------|
| | | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL |
| | | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA |
| 250 | 11.26 | 403 | 2.231 | 49.9 | 86 | 433 | 2.533 | 52.0 | 87 | 463 | 2.845 | 53.4 | 88 | 487 | 3.118 | 54.3 | 89 | | | | |
| 275 | 12.39 | 420 | 2.702 | 47.8 | 87 | 447 | 3.021 | 50.2 | 88 | 474 | 3.333 | 52.0 | 89 | 502 | 3.701 | 53.1 | 90 | 528 | 4.047 | 54.1 | 90 |
| 300 | 13.52 | 438 | 3.247 | 45.9 | 88 | 464 | 3.597 | 48.3 | 89 | 490 | 3.951 | 50.2 | 90 | 514 | 4.283 | 51.9 | 90 | 539 | 4.664 | 52.8 | 91 |
| 325 | 14.64 | 457 | 3.872 | 44.2 | 90 | 482 | 4.237 | 46.6 | 90 | 506 | 4.625 | 48.5 | 91 | 529 | 4.981 | 50.2 | 92 | 552 | 5.37 | 51.6 | 92 |
| 350 | 15.77 | 475 | 4.573 | 42.7 | 91 | 500 | 4.968 | 45.0 | 92 | 524 | 5.375 | 47.0 | 92 | 546 | 5.776 | 48.6 | 93 | 568 | 6.191 | 50.1 | 93 |
| 375 | 16.90 | 496 | 5.382 | 41.2 | 92 | 519 | 5.784 | 43.7 | 93 | 542 | 6.217 | 45.5 | 93 | 563 | 6.637 | 47.2 | 94 | 584 | 7.09 | 48.6 | 94 |
| 400 | 18.02 | 517 | 6.35 | 39.6 | 94 | 539 | 6.735 | 42.2 | 94 | 560 | 7.169 | 44.2 | 95 | 582 | 7.636 | 45.7 | 95 | 602 | 8.105 | 47.2 | 95 |
| 425 | 19.15 | 540 | 7.448 | 38.1 | 95 | 559 | 7.815 | 40.8 | 95 | 580 | 8.235 | 42.9 | 96 | 600 | 8.697 | 44.5 | 96 | 620 | 9.228 | 45.8 | 96 |
| 450 | 20.28 | 565 | 8.726 | 36.7 | 100 | 580 | 9.011 | 39.5 | 96 | 599 | 9.412 | 41.7 | 97 | 619 | 9.877 | 43.4 | 97 | 638 | 10.421 | 44.7 | 98 |
| 475 | 21.40 | 591 | 10.11 | 35.3 | 104 | 603 | 10.403 | 38.1 | 98 | 620 | 10.759 | 40.4 | 98 | 639 | 11.228 | 42.2 | 98 | 657 | 11.733 | 43.7 | 99 |
| 500 | 22.53 | 617 | 11.627 | 34.3 | 108 | 628 | 11.976 | 36.8 | 102 | 642 | 12.316 | 39.1 | 99 | 659 | 12.74 | 41.0 | 99 | 677 | 13.23 | 42.5 | 100 |
| 525 | 23.66 | 645 | 13.374 | 33.3 | 110 | 654 | 13.679 | 35.7 | 106 | 665 | 13.952 | 38.0 | 101 | 680 | 14.393 | 39.8 | 100 | 697 | 14.865 | 41.4 | 101 |

| Air flow (m³/min) | Outlet Vel (m/sec) | 45 mmAq (441 Pa) | | | | 50 mmAq (490 Pa) | | | | 55 mmAq (539 Pa) | | | | 60 mmAq (588 Pa) | | | | 65 mmAq (637 Pa) | | | | |
|-------------------|--------------------|------------------|--------|----------------|------|------------------|--------|----------------|------|------------------|--------|----------------|------|------------------|--------|----------------|------|------------------|--------|----------------|------|--|
| | | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| | | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | |
| 250 | 11.26 | | | | | | | | | | | | | | | | | | | | | |
| 275 | 12.39 | | | | | | | | | | | | | | | | | | | | | |
| 300 | 13.52 | 564 | 5.053 | 53.7 | 92 | 584 | 5.374 | 54.4 | 93 | | | | | | | | | | | | | |
| 325 | 14.64 | 576 | 5.775 | 52.5 | 93 | 599 | 6.191 | 53.3 | 94 | 621 | 6.592 | 54.0 | 94 | | | | | | | | | |
| 350 | 15.77 | 589 | 6.588 | 51.3 | 94 | 610 | 7.008 | 52.2 | 94 | 632 | 7.474 | 52.9 | 95 | 653 | 7.919 | 53.6 | 96 | 674 | 8.367 | 54.1 | 96 | |
| 375 | 16.90 | 604 | 7.531 | 49.9 | 95 | 624 | 7.954 | 51.0 | 95 | 644 | 8.412 | 51.9 | 96 | 665 | 8.893 | 52.5 | 96 | 685 | 9.369 | 53.1 | 97 | |
| 400 | 18.02 | 621 | 8.577 | 48.4 | 96 | 640 | 9.023 | 49.6 | 96 | 659 | 9.476 | 50.6 | 97 | 677 | 9.936 | 51.5 | 97 | 697 | 10.455 | 52.2 | 98 | |
| 425 | 19.15 | 638 | 9.671 | 47.2 | 97 | 657 | 10.176 | 48.3 | 97 | 675 | 10.65 | 49.4 | 98 | 693 | 11.188 | 50.2 | 98 | 710 | 11.653 | 51.1 | 98 | |
| 450 | 20.28 | 657 | 10.952 | 45.9 | 98 | 674 | 11.436 | 47.1 | 98 | 692 | 11.973 | 48.1 | 99 | 709 | 12.511 | 49.0 | 99 | | | | | |
| 475 | 21.40 | 675 | 12.322 | 44.8 | 99 | 693 | 12.843 | 45.9 | 99 | 709 | 13.365 | 47.0 | 100 | | | | | | | | | |
| 500 | 22.53 | 694 | 13.752 | 43.8 | 100 | 711 | 14.341 | 44.8 | 100 | | | | | | | | | | | | | |
| 525 | 23.66 | 713 | 15.433 | 42.7 | 101 | | | | | | | | | | | | | | | | | |

- Power rating BkW does not include transmission losses.
 - The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwIA sound power levels for installation type B (free inlet, ducted outlet).
 - Performance certified is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenance (accessories).
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GSF-SS series

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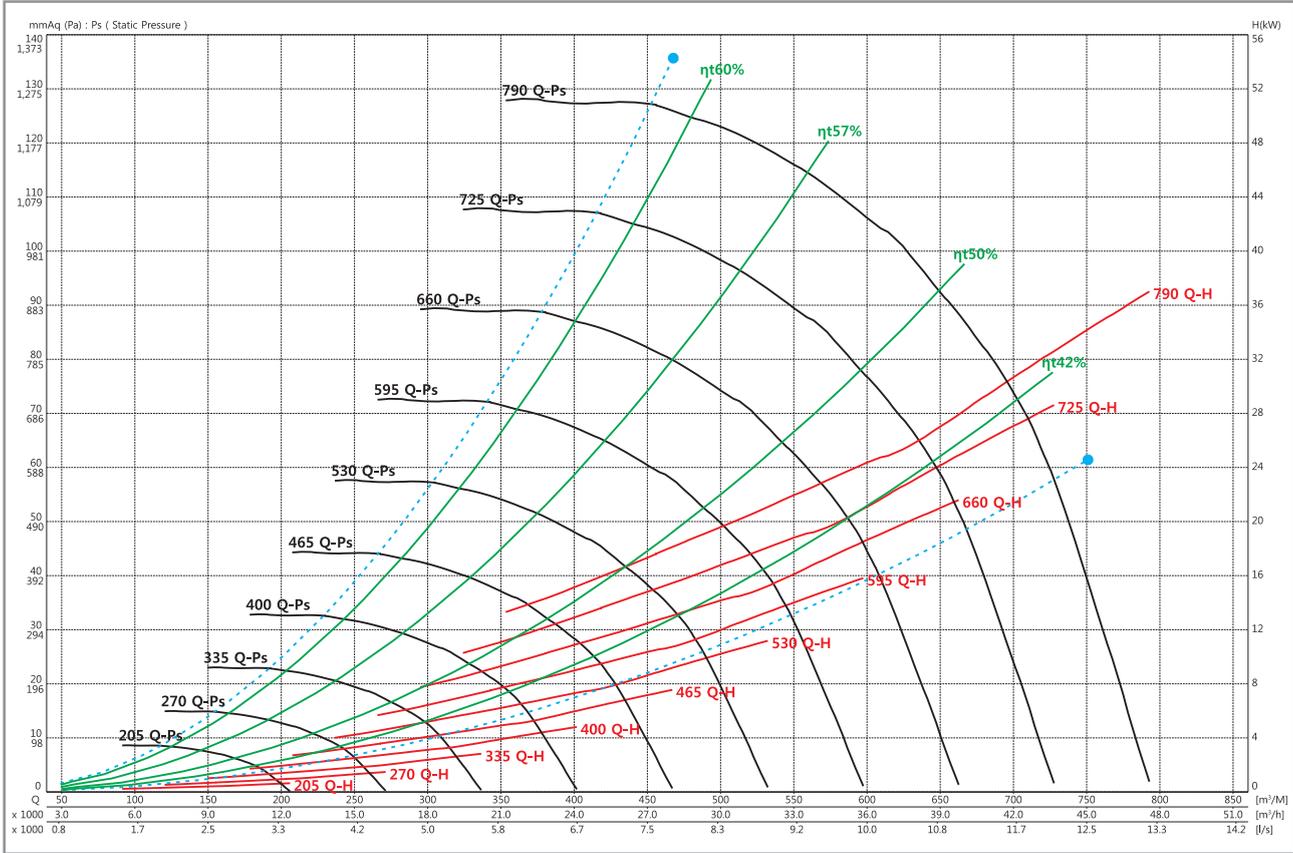
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GSF-5SS

FEG 63

| | | | | | | | | | | | |
|-----------|--------|---------------------------|-------------|-----------|-------------|-----------------------|---------|---------|---------|---------|----------------|
| Wheel dia | 750 mm | Tip Speed = 0.03927 * rpm | Outlet Dim' | 600 * 760 | Outlet Area | 0.4560 m ² | Class 1 | 637 rpm | Class 2 | 802 rpm | Not Applicable |
|-----------|--------|---------------------------|-------------|-----------|-------------|-----------------------|---------|---------|---------|---------|----------------|



| Air flow (m ³ /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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| 170 | 6.21 | 236 | 0.61 | 56.3 | 68 | | | | | | | | | | | | | | | | | |
| 200 | 7.31 | 251 | 0.82 | 52.5 | 72 | 318 | 1.27 | 59.7 | 74 | | | | | | | | | | | | | |
| 230 | 8.41 | 271 | 1.15 | 46.7 | 76 | 329 | 1.59 | 57.3 | 77 | 386 | 2.13 | 60.2 | 78 | | | | | | | | | |
| 260 | 9.50 | 293 | 1.57 | 42.2 | 80 | 343 | 1.99 | 54.4 | 79 | 395 | 2.56 | 58.9 | 81 | 445 | 3.20 | 60.5 | 82 | | | | | |
| 290 | 10.60 | 318 | 2.10 | 38.1 | 83 | 360 | 2.47 | 51.5 | 82 | 406 | 3.07 | 56.7 | 83 | 452 | 3.73 | 59.4 | 84 | 497 | 4.45 | 60.5 | 85 | |
| 320 | 11.70 | 344 | 2.74 | 34.7 | 86 | 379 | 3.12 | 47.2 | 85 | 421 | 3.69 | 54.3 | 85 | 463 | 4.39 | 57.5 | 85 | 504 | 5.11 | 59.5 | 86 | |
| 350 | 12.79 | 372 | 3.52 | 32.4 | 88 | 401 | 3.92 | 43.9 | 87 | 437 | 4.37 | 52.1 | 86 | 476 | 5.13 | 55.6 | 87 | 515 | 5.91 | 58.1 | 88 | |
| 380 | 13.89 | 400 | 4.44 | 30.4 | 90 | 424 | 4.83 | 40.8 | 90 | 457 | 5.32 | 48.8 | 89 | 491 | 5.95 | 54.0 | 89 | 527 | 6.80 | 56.3 | 89 | |
| 410 | 14.99 | 428 | 5.51 | 28.5 | 92 | 449 | 5.90 | 38.1 | 92 | 477 | 6.43 | 45.4 | 91 | 509 | 6.97 | 51.6 | 90 | 542 | 7.83 | 54.5 | 91 | |
| 440 | 16.08 | 457 | 6.76 | 27.5 | 94 | 476 | 7.16 | 36.2 | 94 | 499 | 7.67 | 42.8 | 93 | 528 | 8.25 | 48.5 | 93 | 557 | 8.88 | 53.1 | 92 | |
| 470 | 17.18 | 485 | 8.15 | 26.3 | 96 | 503 | 8.59 | 34.1 | 95 | 523 | 9.09 | 40.7 | 95 | 549 | 9.73 | 45.8 | 94 | 576 | 10.3 | 50.3 | 94 | |
| 500 | 18.27 | 514 | 9.75 | 25.6 | 98 | 531 | 10.2 | 32.4 | 97 | 549 | 10.8 | 38.4 | 97 | 570 | 11.3 | 43.5 | 96 | 596 | 12.0 | 47.9 | 96 | |

| Air flow (m ³ /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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| 170 | 6.21 | | | | | | | | | | | | | | | | | | | | | |
| 200 | 7.31 | | | | | | | | | | | | | | | | | | | | | |
| 230 | 8.41 | | | | | | | | | | | | | | | | | | | | | |
| 260 | 9.50 | | | | | | | | | | | | | | | | | | | | | |
| 290 | 10.60 | | | | | | | | | | | | | | | | | | | | | |
| 320 | 11.70 | 545 | 5.90 | 60.5 | 87 | | | | | | | | | | | | | | | | | |
| 350 | 12.79 | 552 | 6.69 | 59.6 | 89 | 590 | 7.59 | 60.3 | 90 | | | | | | | | | | | | | |
| 380 | 13.89 | 562 | 7.62 | 58.3 | 90 | 597 | 8.50 | 59.5 | 91 | 632 | 9.47 | 60.1 | 92 | 663 | 10.3 | 60.8 | 93 | | | | | |
| 410 | 14.99 | 574 | 8.68 | 56.7 | 92 | 607 | 9.60 | 58.3 | 92 | 639 | 10.5 | 59.4 | 93 | 672 | 11.6 | 59.9 | 94 | 702 | 12.5 | 60.5 | 94 | |
| 440 | 16.08 | 589 | 9.91 | 55.0 | 93 | 619 | 10.8 | 56.9 | 94 | 650 | 11.8 | 58.2 | 94 | 680 | 12.8 | 59.3 | 95 | 710 | 13.9 | 59.8 | 95 | |
| 470 | 17.18 | 603 | 11.1 | 53.8 | 94 | 633 | 12.2 | 55.2 | 95 | 662 | 13.2 | 56.9 | 95 | 690 | 14.2 | 58.1 | 96 | 718 | 15.3 | 59.1 | 96 | |
| 500 | 18.27 | 621 | 12.6 | 51.7 | 96 | 648 | 13.6 | 54.0 | 96 | 676 | 14.8 | 55.4 | 97 | 702 | 15.8 | 56.8 | 97 | 729 | 16.9 | 57.8 | 97 | |

- Power rating BkW does not include transmission losses.
 - The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwIA sound power levels for installation type B (free inlet, ducted outlet).
 - Performance certified is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenance (accessories).

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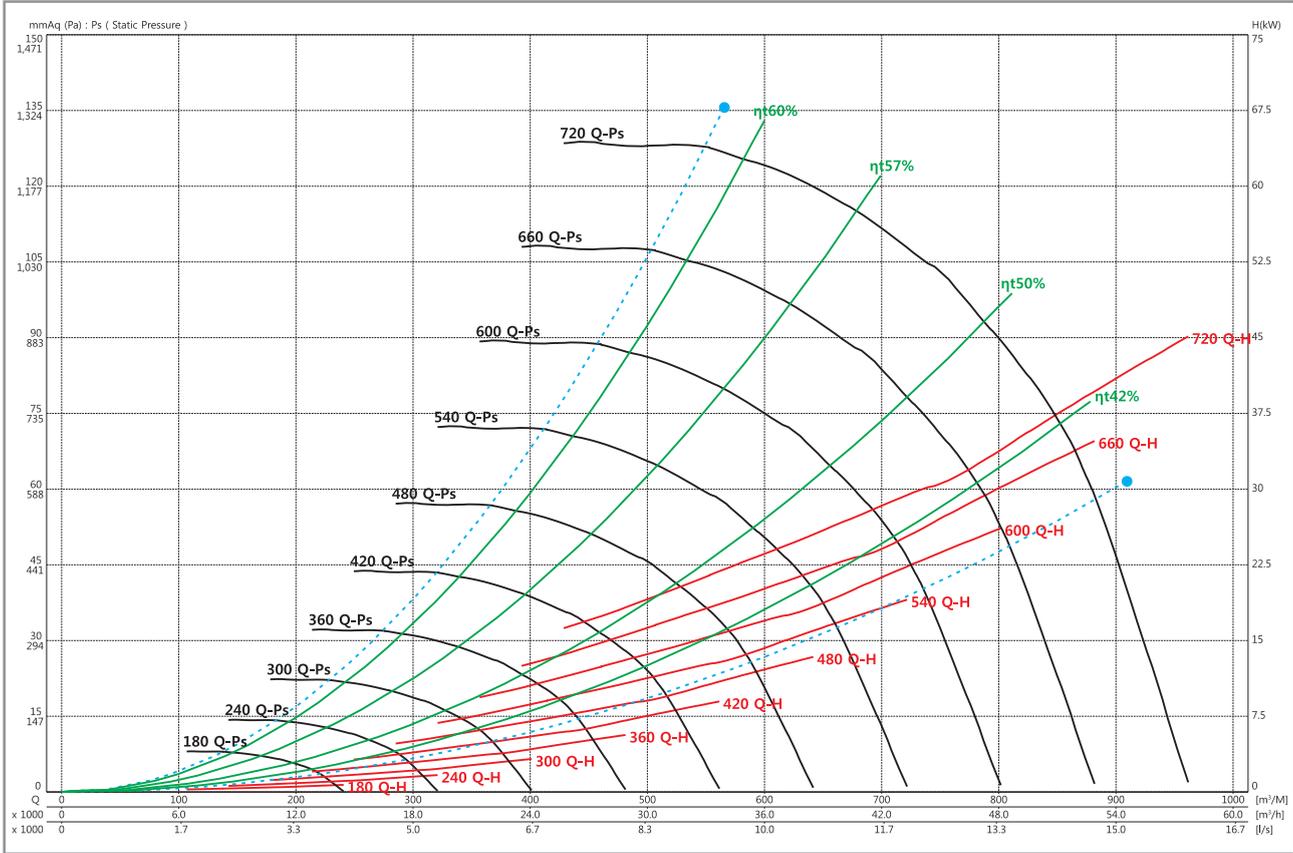
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GSF-5.5SS

FEG 63

| | | | | | | | | | | | | |
|-----------|--------|-------------|--------------|-------------|-----------|-------------|-----------------------|---------|---------|---------|---------|----------------|
| Wheel dia | 825 mm | Tip Speed = | 0.0432 * rpm | Outlet Dim' | 660 * 840 | Outlet Area | 0.5544 m ² | Class 1 | 579 rpm | Class 2 | 729 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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| 210 | 6.31 | 216 | 0.77 | 55.8 | 69 | | | | | | | | | | | | | | | | | |
| 245 | 7.37 | 230 | 1.03 | 52.1 | 72 | 290 | 1.57 | 59.5 | 75 | | | | | | | | | | | | | |
| 280 | 8.42 | 247 | 1.41 | 46.3 | 76 | 300 | 1.95 | 57.2 | 77 | 351 | 2.60 | 60.2 | 79 | | | | | | | | | |
| 315 | 9.47 | 266 | 1.90 | 41.7 | 80 | 312 | 2.41 | 54.4 | 80 | 359 | 3.10 | 58.9 | 81 | 404 | 3.87 | 60.5 | 82 | | | | | |
| 350 | 10.52 | 288 | 2.51 | 38.1 | 83 | 327 | 2.97 | 51.7 | 82 | 369 | 3.71 | 56.7 | 83 | 411 | 4.50 | 59.4 | 84 | 451 | 5.34 | 60.5 | 85 | |
| 385 | 11.57 | 312 | 3.27 | 35.5 | 86 | 344 | 3.73 | 47.7 | 85 | 382 | 4.41 | 54.5 | 85 | 420 | 5.24 | 57.7 | 86 | 458 | 6.13 | 59.6 | 87 | |
| 420 | 12.63 | 336 | 4.17 | 32.8 | 88 | 362 | 4.63 | 44.1 | 87 | 396 | 5.20 | 52.5 | 87 | 432 | 6.13 | 55.8 | 87 | 467 | 7.04 | 58.3 | 88 | |
| 455 | 13.68 | 360 | 5.21 | 30.4 | 91 | 382 | 5.68 | 41.0 | 90 | 413 | 6.29 | 49.1 | 89 | 445 | 7.09 | 54.0 | 89 | 477 | 8.05 | 56.6 | 90 | |
| 490 | 14.73 | 385 | 6.43 | 29.3 | 92 | 404 | 6.91 | 38.4 | 92 | 431 | 7.55 | 46.1 | 91 | 460 | 8.21 | 52.1 | 91 | 490 | 9.25 | 54.7 | 91 | |
| 525 | 15.78 | 410 | 7.84 | 27.9 | 94 | 427 | 8.33 | 36.2 | 94 | 449 | 8.95 | 43.2 | 93 | 477 | 9.66 | 49.2 | 93 | 503 | 10.4 | 53.6 | 92 | |
| 560 | 16.84 | 435 | 9.44 | 26.6 | 96 | 451 | 9.96 | 34.3 | 95 | 470 | 10.6 | 41.0 | 95 | 494 | 11.3 | 46.3 | 94 | 520 | 12.1 | 51.2 | 94 | |
| 595 | 17.89 | 460 | 11.2 | 25.9 | 98 | 476 | 11.8 | 32.8 | 97 | 492 | 12.4 | 38.8 | 97 | 513 | 13.2 | 44.1 | 96 | 537 | 14.0 | 48.6 | 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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| 210 | 6.31 | | | | | | | | | | | | | | | | | | | | | |
| 245 | 7.37 | | | | | | | | | | | | | | | | | | | | | |
| 280 | 8.42 | | | | | | | | | | | | | | | | | | | | | |
| 315 | 9.47 | | | | | | | | | | | | | | | | | | | | | |
| 350 | 10.52 | | | | | | | | | | | | | | | | | | | | | |
| 385 | 11.57 | 495 | 7.09 | 60.5 | 88 | | | | | | | | | | | | | | | | | |
| 420 | 12.63 | 501 | 8.00 | 59.7 | 89 | 535 | 9.05 | 60.4 | 90 | | | | | | | | | | | | | |
| 455 | 13.68 | 510 | 9.08 | 58.5 | 90 | 542 | 10.2 | 59.6 | 91 | 573 | 11.3 | 60.2 | 92 | | | | | | | | | |
| 490 | 14.73 | 520 | 10.3 | 57.0 | 92 | 550 | 11.4 | 58.5 | 92 | 580 | 12.5 | 59.6 | 93 | 610 | 13.8 | 60.1 | 94 | 637 | 14.9 | 60.7 | 94 | |
| 525 | 15.78 | 532 | 11.6 | 55.3 | 93 | 560 | 12.8 | 57.1 | 94 | 589 | 14.0 | 58.5 | 94 | 616 | 15.2 | 59.4 | 95 | 644 | 16.5 | 59.9 | 95 | |
| 560 | 16.84 | 545 | 13.1 | 54.0 | 94 | 572 | 14.3 | 55.6 | 95 | 599 | 15.6 | 57.2 | 95 | 625 | 16.8 | 58.4 | 96 | 651 | 18.1 | 59.3 | 96 | |
| 595 | 17.89 | 560 | 14.8 | 52.3 | 96 | 585 | 16.0 | 54.2 | 96 | 610 | 17.3 | 55.8 | 97 | 635 | 18.6 | 57.1 | 97 | 660 | 19.9 | 58.2 | 98 | |

- Power rating BkW does not include transmission losses.
 - The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for installation type B (free inlet, ducted outlet).
 - Performance certified is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenance (accessories).

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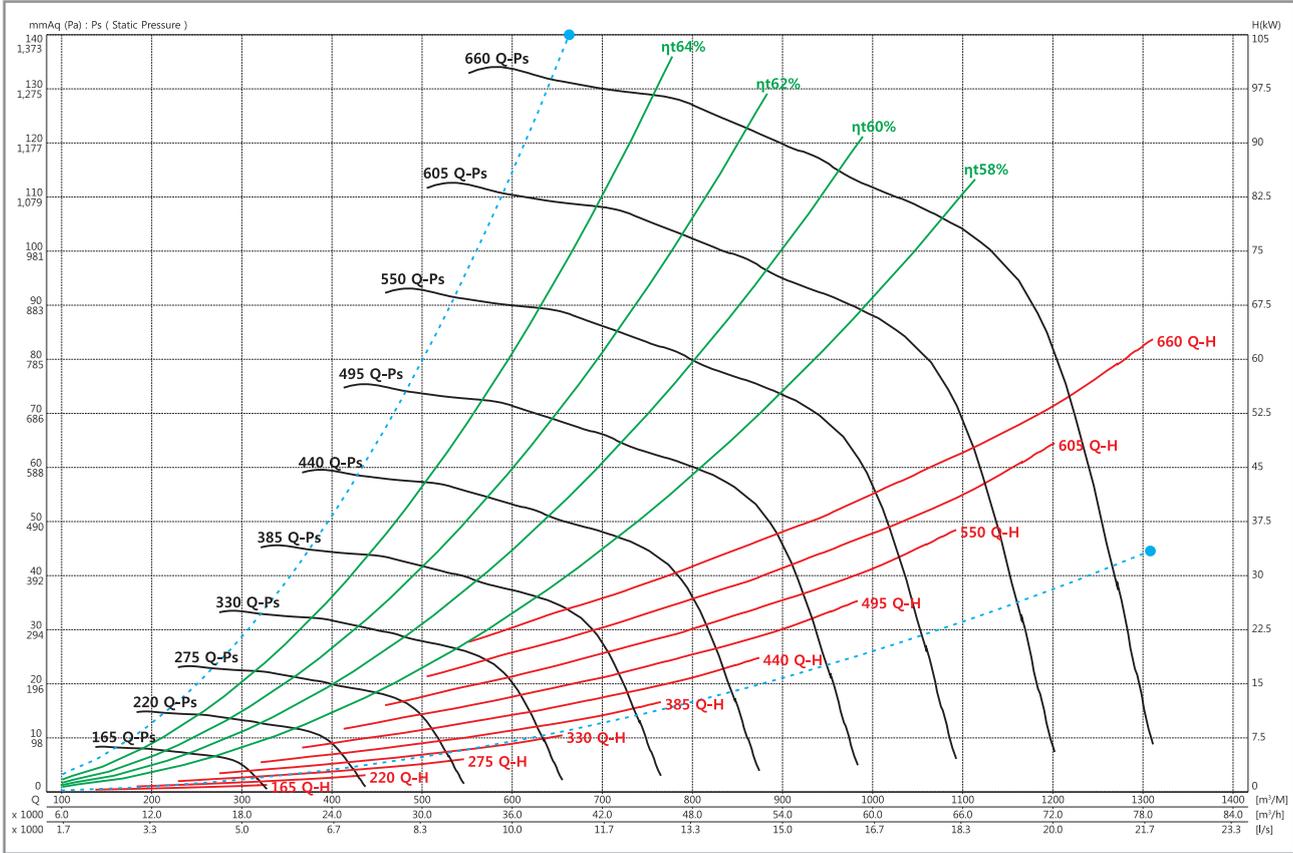
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GSF-6SS

FEG 67

| | | | | | | | | | | | |
|-----------|--------|---------------------------|-------------|-----------|-------------|-----------------------|---------|---------|---------|---------|----------------|
| Wheel dia | 900 mm | Tip Speed = 0.04712 * rpm | Outlet Dim' | 730 * 915 | Outlet Area | 0.6680 m ² | Class 1 | 531 rpm | Class 2 | 668 rpm | Not Applicable |
|-----------|--------|---------------------------|-------------|-----------|-------------|-----------------------|---------|---------|---------|---------|----------------|



| Air flow (m ³ /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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL |
| 300 | 7.49 | 198 | 1.12 | 59.1 | 73 | 260 | 1.80 | 63.6 | 75 | | | | | | | | | | | | |
| 340 | 8.48 | 205 | 1.40 | 57.3 | 75 | 265 | 2.17 | 62.2 | 77 | 317 | 3.01 | 63.3 | 79 | | | | | | | | |
| 380 | 9.48 | 216 | 1.79 | 54.0 | 78 | 272 | 2.60 | 61.1 | 79 | 320 | 3.48 | 63.5 | 81 | 366 | 4.48 | 63.1 | 83 | | | | |
| 420 | 10.48 | 231 | 2.29 | 49.7 | 81 | 279 | 3.10 | 59.2 | 82 | 326 | 4.06 | 62.2 | 83 | 368 | 5.05 | 63.5 | 84 | 408 | 6.15 | 63.1 | 86 |
| 460 | 11.48 | 249 | 2.96 | 46.2 | 84 | 285 | 3.64 | 57.9 | 83 | 332 | 4.68 | 61.1 | 85 | 372 | 5.74 | 62.8 | 86 | 411 | 6.89 | 63.4 | 87 |
| 500 | 12.48 | 267 | 3.74 | 42.5 | 86 | 294 | 4.28 | 56.3 | 85 | 339 | 5.41 | 59.6 | 86 | 378 | 6.54 | 61.7 | 87 | 414 | 7.69 | 63.2 | 88 |
| 540 | 13.47 | 286 | 4.66 | 40.5 | 88 | 306 | 5.10 | 53.7 | 88 | 345 | 6.17 | 58.6 | 88 | 384 | 7.37 | 61.0 | 89 | 420 | 8.66 | 62.2 | 90 |
| 580 | 14.47 | 304 | 5.70 | 37.5 | 90 | 321 | 6.11 | 50.5 | 90 | 353 | 7.07 | 57.5 | 89 | 392 | 8.39 | 59.6 | 90 | 426 | 9.69 | 61.3 | 91 |
| 620 | 15.47 | 323 | 6.92 | 35.6 | 92 | 338 | 7.31 | 47.7 | 92 | 362 | 8.08 | 56.0 | 91 | 398 | 9.43 | 58.7 | 92 | 433 | 10.8 | 60.7 | 92 |
| 660 | 16.47 | 342 | 8.28 | 34.4 | 94 | 356 | 8.69 | 45.4 | 93 | 374 | 9.30 | 53.8 | 93 | 405 | 10.6 | 57.7 | 93 | 440 | 12.1 | 59.3 | 93 |
| 700 | 17.47 | 361 | 9.82 | 33.0 | 95 | 374 | 10.3 | 43.0 | 95 | 389 | 10.8 | 51.3 | 95 | 414 | 11.9 | 56.6 | 94 | 446 | 13.4 | 58.6 | 95 |
| 740 | 18.46 | 381 | 11.6 | 32.1 | 97 | 393 | 12.0 | 41.5 | 96 | 406 | 12.5 | 49.2 | 96 | 425 | 13.4 | 55.0 | 96 | 453 | 14.8 | 57.7 | 96 |

| Air flow (m ³ /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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| 300 | 7.49 | | | | | | | | | | | | | | | | | | | | | |
| 340 | 8.48 | | | | | | | | | | | | | | | | | | | | | |
| 380 | 9.48 | | | | | | | | | | | | | | | | | | | | | |
| 420 | 10.48 | | | | | | | | | | | | | | | | | | | | | |
| 460 | 11.48 | 447 | 8.09 | 63.1 | 88 | | | | | | | | | | | | | | | | | |
| 500 | 12.48 | 450 | 8.97 | 63.4 | 89 | 483 | 10.3 | 63.1 | 90 | 513 | 11.6 | 62.8 | 91 | | | | | | | | | |
| 540 | 13.47 | 452 | 9.87 | 63.4 | 90 | 486 | 11.3 | 63.4 | 91 | 517 | 12.7 | 63.2 | 92 | 546 | 14.2 | 62.8 | 93 | | | | | |
| 580 | 14.47 | 458 | 11.0 | 62.4 | 92 | 488 | 12.3 | 63.5 | 92 | 519 | 13.9 | 63.4 | 93 | 549 | 15.4 | 63.2 | 94 | 576 | 16.9 | 62.9 | 95 | |
| 620 | 15.47 | 465 | 12.3 | 61.6 | 93 | 494 | 13.7 | 62.5 | 94 | 522 | 15.1 | 63.5 | 94 | 551 | 16.7 | 63.5 | 95 | 579 | 18.3 | 63.3 | 96 | |
| 660 | 16.47 | 470 | 13.5 | 61.0 | 94 | 500 | 15.1 | 61.8 | 95 | 528 | 16.7 | 62.6 | 95 | 554 | 18.1 | 63.5 | 96 | 581 | 19.8 | 63.5 | 97 | |
| 700 | 17.47 | 478 | 15.0 | 59.9 | 95 | 507 | 16.6 | 61.1 | 96 | 534 | 18.2 | 61.9 | 96 | 560 | 19.8 | 62.6 | 97 | 584 | 21.4 | 63.4 | 98 | |
| 740 | 18.46 | 485 | 16.6 | 59.0 | 96 | 513 | 18.1 | 60.4 | 97 | 540 | 19.9 | 61.2 | 97 | 566 | 21.6 | 62.0 | 98 | 590 | 23.3 | 62.6 | 98 | |

- Power rating BkW does not include transmission losses.
 - The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for installation type B (free inlet, ducted outlet).
 - Performance certified is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenance (accessories).

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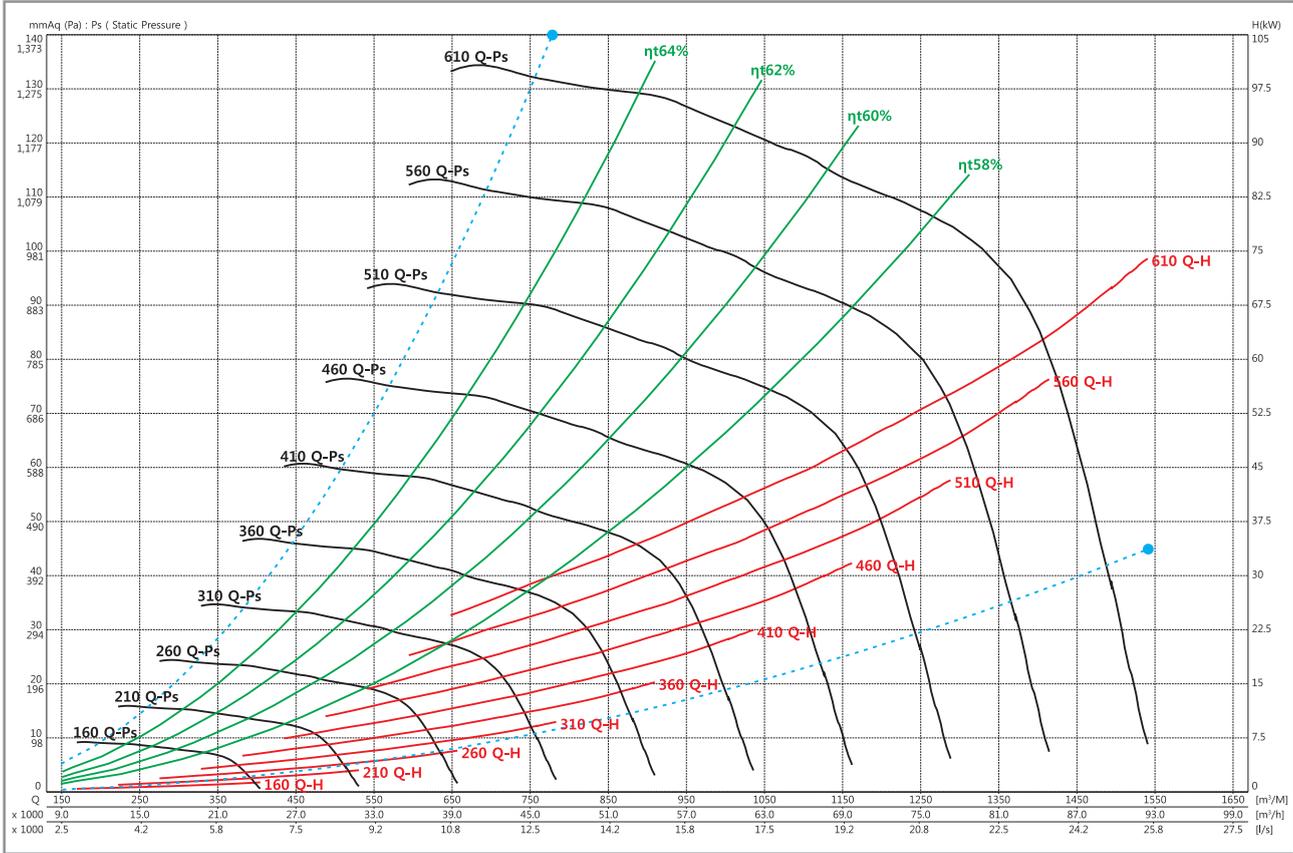
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GSF-6.5SS

FEG 67

| | | | | | | | | | | | |
|-----------|--------|---------------------------|-------------|-----------|-------------|-----------------------|---------|---------|---------|---------|----------------|
| Wheel dia | 975 mm | Tip Speed = 0.05105 * rpm | Outlet Dim' | 790 * 990 | Outlet Area | 0.7821 m ² | Class 1 | 490 rpm | Class 2 | 617 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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| 300 | 6.39 | 175 | 1.00 | 61.5 | 69 | 237 | 1.75 | 62.8 | 73 | | | | | | | | | | | | | |
| 350 | 7.46 | 182 | 1.29 | 59.2 | 73 | 240 | 2.10 | 63.5 | 75 | | | | | | | | | | | | | |
| 400 | 8.52 | 189 | 1.65 | 57.2 | 75 | 245 | 2.57 | 62.2 | 78 | 292 | 3.55 | 63.4 | 80 | | | | | | | | | |
| 450 | 9.59 | 200 | 2.14 | 53.7 | 79 | 251 | 3.08 | 61.0 | 80 | 295 | 4.13 | 63.3 | 82 | 337 | 5.30 | 63.2 | 83 | | | | | |
| 500 | 10.66 | 216 | 2.81 | 49.2 | 82 | 258 | 3.73 | 59.0 | 82 | 301 | 4.86 | 62.0 | 83 | 339 | 6.02 | 63.6 | 85 | 377 | 7.36 | 63.2 | 86 | |
| 550 | 11.72 | 233 | 3.65 | 45.0 | 85 | 264 | 4.43 | 57.7 | 84 | 307 | 5.64 | 61.0 | 85 | 344 | 6.96 | 62.5 | 86 | 379 | 8.26 | 63.5 | 88 | |
| 600 | 12.79 | 251 | 4.66 | 42.0 | 87 | 274 | 5.28 | 55.6 | 86 | 314 | 6.59 | 59.3 | 87 | 350 | 7.97 | 61.5 | 88 | 383 | 9.34 | 62.9 | 89 | |
| 650 | 13.85 | 269 | 5.87 | 39.2 | 89 | 287 | 6.38 | 52.7 | 89 | 321 | 7.60 | 58.2 | 89 | 357 | 9.03 | 60.7 | 90 | 389 | 10.6 | 61.9 | 90 | |
| 700 | 14.92 | 288 | 7.27 | 37.1 | 91 | 302 | 7.71 | 49.7 | 91 | 328 | 8.74 | 57.0 | 90 | 364 | 10.4 | 59.2 | 91 | 395 | 11.9 | 61.1 | 92 | |
| 750 | 15.98 | 306 | 8.86 | 35.3 | 93 | 320 | 9.34 | 46.6 | 93 | 339 | 10.1 | 55.0 | 92 | 370 | 11.7 | 58.2 | 93 | 403 | 13.4 | 59.9 | 93 | |
| 800 | 17.05 | 325 | 10.7 | 34.0 | 95 | 337 | 11.2 | 44.0 | 94 | 352 | 11.8 | 52.6 | 94 | 378 | 13.2 | 57.2 | 94 | 409 | 15.0 | 58.8 | 95 | |
| 850 | 18.11 | 344 | 12.8 | 32.8 | 96 | 355 | 13.3 | 41.8 | 96 | 368 | 13.9 | 50.0 | 96 | 388 | 15.0 | 55.6 | 95 | 415 | 16.7 | 58.0 | 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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| 300 | 6.39 | | | | | | | | | | | | | | | | | | | | | |
| 350 | 7.46 | | | | | | | | | | | | | | | | | | | | | |
| 400 | 8.52 | | | | | | | | | | | | | | | | | | | | | |
| 450 | 9.59 | | | | | | | | | | | | | | | | | | | | | |
| 500 | 10.66 | | | | | | | | | | | | | | | | | | | | | |
| 550 | 11.72 | 413 | 9.72 | 63.2 | 89 | 444 | 11.2 | 62.8 | 90 | | | | | | | | | | | | | |
| 600 | 12.79 | 415 | 10.8 | 63.5 | 90 | 446 | 12.4 | 63.2 | 91 | 475 | 14.0 | 62.8 | 92 | | | | | | | | | |
| 650 | 13.85 | 419 | 12.1 | 63.0 | 91 | 448 | 13.7 | 63.5 | 92 | 478 | 15.4 | 63.3 | 93 | 505 | 17.1 | 62.9 | 94 | | | | | |
| 700 | 14.92 | 425 | 13.5 | 62.1 | 93 | 452 | 15.1 | 63.1 | 93 | 480 | 16.8 | 63.5 | 94 | 507 | 18.7 | 63.4 | 95 | 533 | 20.6 | 63.1 | 95 | |
| 750 | 15.98 | 431 | 15.1 | 61.2 | 94 | 458 | 16.8 | 62.2 | 94 | 484 | 18.6 | 63.0 | 95 | 509 | 20.3 | 63.6 | 96 | 535 | 22.3 | 63.4 | 96 | |
| 800 | 17.05 | 437 | 16.7 | 60.6 | 95 | 464 | 18.7 | 61.4 | 96 | 490 | 20.5 | 62.2 | 96 | 514 | 22.3 | 63.0 | 97 | 537 | 24.2 | 63.6 | 97 | |
| 850 | 18.11 | 445 | 18.7 | 59.3 | 96 | 470 | 20.5 | 60.9 | 97 | 496 | 22.6 | 61.5 | 97 | 520 | 24.5 | 62.2 | 98 | 542 | 26.5 | 62.9 | 98 | |

- Power rating BkW does not include transmission losses.
 - The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for installation type B (free inlet, ducted outlet).
 - Performance certified is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

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GSF-SS series

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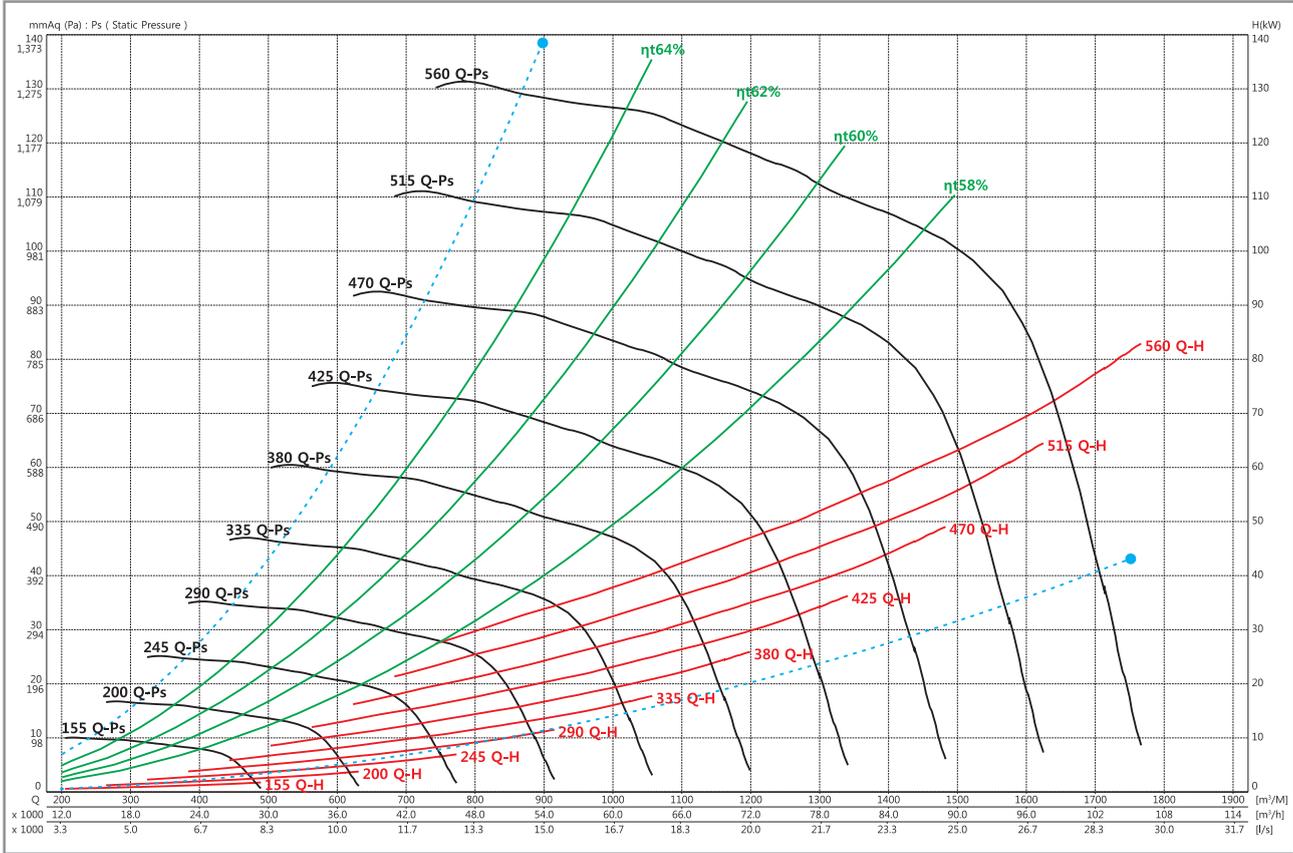
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GSF-7SS

FEG 67

| | | | | | | | | | | | | |
|-----------|---------|-------------|---------------|-------------|------------|-------------|-----------------------|---------|---------|---------|---------|----------------|
| Wheel dia | 1050 mm | Tip Speed = | 0.05498 * rpm | Outlet Dim' | 845 * 1065 | Outlet Area | 0.8999 m ² | Class 1 | 455 rpm | Class 2 | 573 rpm | Not Applicable |
|-----------|---------|-------------|---------------|-------------|------------|-------------|-----------------------|---------|---------|---------|---------|----------------|



| Air flow (m ³ /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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL |
| 450 | 8.33 | 174 | 1.81 | 57.7 | 75 | 226 | 2.83 | 62.5 | 77 | 271 | 3.96 | 63.2 | 79 | | | | | | | | |
| 500 | 9.26 | 182 | 2.25 | 55.3 | 78 | 231 | 3.35 | 61.2 | 79 | 273 | 4.51 | 63.6 | 81 | 313 | 5.88 | 62.9 | 83 | | | | |
| 550 | 10.19 | 193 | 2.84 | 51.6 | 81 | 237 | 3.94 | 59.9 | 81 | 277 | 5.20 | 62.6 | 83 | 315 | 6.56 | 63.4 | 84 | 349 | 8.03 | 62.8 | 86 |
| 600 | 11.11 | 206 | 3.58 | 47.7 | 83 | 242 | 4.59 | 58.7 | 83 | 282 | 5.95 | 61.5 | 84 | 317 | 7.35 | 63.4 | 86 | 351 | 8.87 | 63.4 | 87 |
| 650 | 12.04 | 220 | 4.46 | 44.4 | 85 | 247 | 5.30 | 57.3 | 85 | 287 | 6.75 | 60.8 | 86 | 321 | 8.29 | 62.3 | 87 | 353 | 9.80 | 63.6 | 88 |
| 700 | 12.96 | 235 | 5.52 | 42.3 | 87 | 255 | 6.19 | 55.4 | 87 | 293 | 7.75 | 59.2 | 88 | 326 | 9.31 | 61.4 | 88 | 357 | 11.0 | 62.8 | 89 |
| 750 | 13.89 | 249 | 6.71 | 38.9 | 89 | 266 | 7.30 | 53.1 | 89 | 298 | 8.75 | 58.4 | 89 | 331 | 10.4 | 60.8 | 90 | 361 | 12.1 | 61.9 | 91 |
| 800 | 14.82 | 264 | 8.08 | 37.3 | 91 | 278 | 8.60 | 50.3 | 91 | 304 | 9.88 | 57.3 | 90 | 337 | 11.7 | 59.4 | 91 | 366 | 13.5 | 61.1 | 92 |
| 850 | 15.74 | 279 | 9.63 | 35.8 | 93 | 291 | 10.1 | 47.3 | 92 | 311 | 11.2 | 55.6 | 92 | 342 | 13.0 | 58.6 | 92 | 372 | 14.9 | 60.5 | 93 |
| 900 | 16.67 | 294 | 11.3 | 34.8 | 94 | 306 | 11.9 | 45.6 | 94 | 321 | 12.7 | 53.8 | 94 | 348 | 14.5 | 57.8 | 93 | 377 | 16.5 | 59.3 | 94 |
| 950 | 17.59 | 309 | 13.3 | 33.5 | 96 | 320 | 13.9 | 43.2 | 95 | 333 | 14.6 | 51.6 | 95 | 354 | 16.0 | 56.7 | 95 | 382 | 18.1 | 58.6 | 95 |
| 1000 | 18.52 | 324 | 15.4 | 32.1 | 97 | 334 | 16.0 | 41.0 | 97 | 346 | 16.7 | 49.5 | 97 | 363 | 17.9 | 55.2 | 96 | 388 | 20.0 | 57.8 | 96 |

| Air flow (m ³ /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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| 450 | 8.33 | | | | | | | | | | | | | | | | | | | | | |
| 500 | 9.26 | | | | | | | | | | | | | | | | | | | | | |
| 550 | 10.19 | | | | | | | | | | | | | | | | | | | | | |
| 600 | 11.11 | 382 | 10.5 | 62.8 | 88 | | | | | | | | | | | | | | | | | |
| 650 | 12.04 | 384 | 11.5 | 63.3 | 89 | 413 | 13.3 | 62.8 | 90 | | | | | | | | | | | | | |
| 700 | 12.96 | 386 | 12.6 | 63.5 | 90 | 415 | 14.5 | 63.3 | 91 | 442 | 16.4 | 62.8 | 92 | | | | | | | | | |
| 750 | 13.89 | 389 | 13.9 | 63.1 | 91 | 417 | 15.8 | 63.5 | 92 | 444 | 17.7 | 63.3 | 93 | 469 | 19.8 | 62.9 | 94 | | | | | |
| 800 | 14.82 | 394 | 15.4 | 62.3 | 93 | 419 | 17.1 | 63.3 | 93 | 445 | 19.1 | 63.5 | 94 | 471 | 21.3 | 63.3 | 95 | 495 | 23.5 | 63.0 | 95 | |
| 850 | 15.74 | 399 | 16.9 | 61.5 | 94 | 424 | 18.9 | 62.4 | 94 | 448 | 20.8 | 63.4 | 95 | 472 | 22.9 | 63.5 | 96 | 497 | 25.2 | 63.3 | 96 | |
| 900 | 16.67 | 403 | 18.4 | 61.0 | 95 | 429 | 20.6 | 61.8 | 95 | 453 | 22.7 | 62.6 | 96 | 475 | 24.7 | 63.4 | 96 | 498 | 27.0 | 63.5 | 97 | |
| 950 | 17.59 | 410 | 20.4 | 60.0 | 96 | 434 | 22.5 | 61.1 | 96 | 457 | 24.6 | 61.9 | 97 | 480 | 26.9 | 62.6 | 97 | 501 | 29.0 | 63.4 | 98 | |
| 1000 | 18.52 | 415 | 22.3 | 59.1 | 97 | 439 | 24.3 | 60.7 | 97 | 462 | 26.8 | 61.3 | 98 | 484 | 29.1 | 62.0 | 98 | 505 | 31.4 | 62.6 | 99 | |

- Power rating BkW does not include transmission losses.
 - The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwIA sound power levels for installation type B(free inlet, ducted outlet).
 - Performance certified is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenance (accessories).

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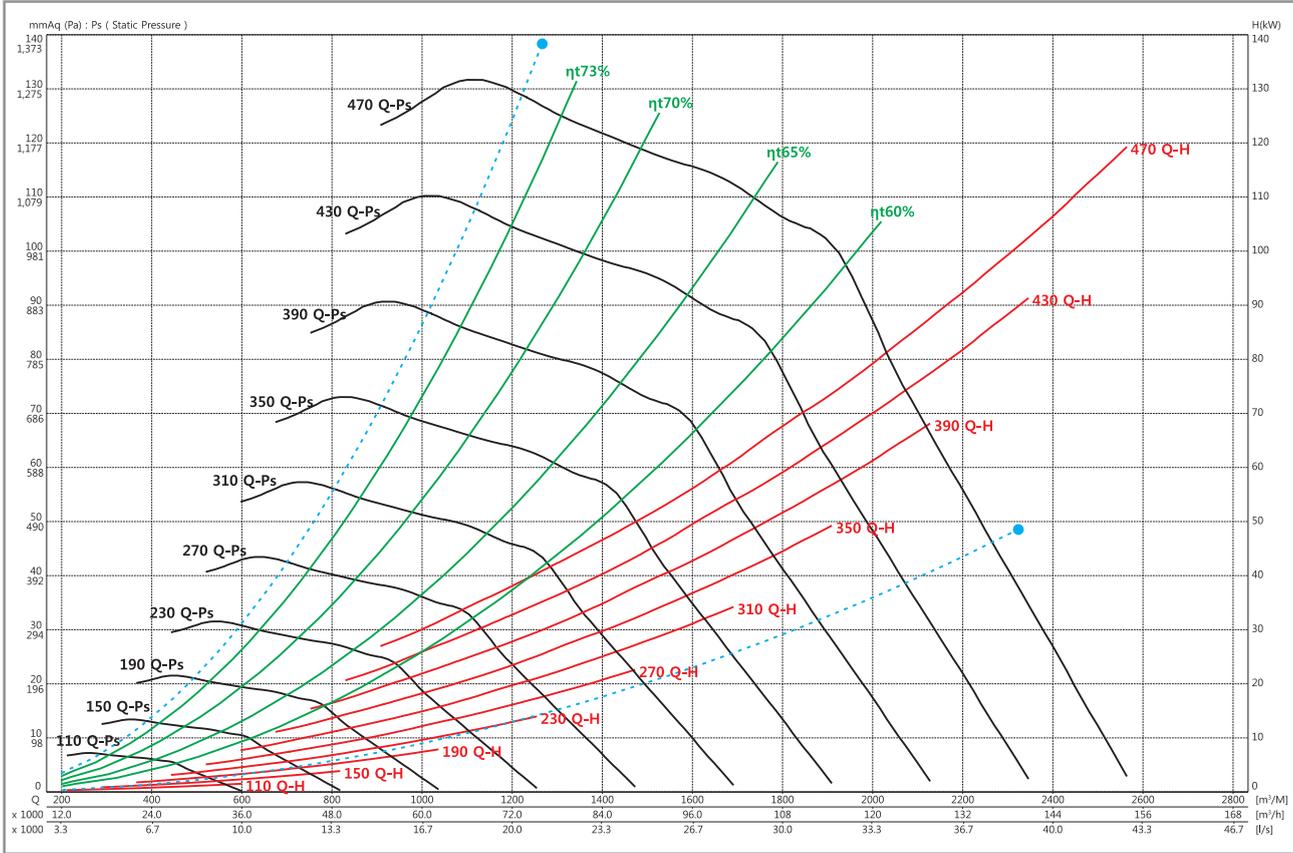
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GSF-8SS

FEG 75

| | | | | | | | | | | | |
|-----------|---------|---------------------------|-------------|------------|-------------|-----------------------|---------|---------|---------|---------|----------------|
| Wheel dia | 1200 mm | Tip Speed = 0.06283 * rpm | Outlet Dim' | 965 * 1220 | Outlet Area | 1.1773 m ² | Class 1 | 398 rpm | Class 2 | 501 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 | ηt | PWL | rpm | BkW | ηt | PWL | rpm | BkW | ηt | PWL | rpm | BkW | ηt | PWL | rpm | BkW | ηt | PWL | |
| 530 | 7.50 | 142 | 1.79 | 64.3 | 72 | 189 | 2.81 | 72.7 | 76 | | | | | | | | | | | | | |
| 600 | 8.49 | 148 | 2.29 | 61.5 | 76 | 192 | 3.39 | 70.2 | 78 | 228 | 4.52 | 74.7 | 81 | | | | | | | | | |
| 670 | 9.48 | 158 | 3.00 | 56.1 | 79 | 196 | 4.11 | 68.1 | 79 | 232 | 5.38 | 72.0 | 82 | | | | | | | | | |
| 740 | 10.48 | 170 | 3.90 | 52.3 | 83 | 201 | 4.97 | 65.1 | 81 | 236 | 6.32 | 70.1 | 83 | 266 | 7.73 | 73.0 | 86 | | | | | |
| 810 | 11.47 | 180 | 4.88 | 48.6 | 85 | 206 | 5.93 | 62.6 | 83 | 239 | 7.35 | 68.3 | 85 | 270 | 8.92 | 71.2 | 87 | 296 | 10.4 | 73.4 | 88 | |
| 880 | 12.46 | 191 | 6.05 | 46.2 | 87 | 213 | 7.05 | 59.6 | 86 | 244 | 8.61 | 66.2 | 86 | 274 | 10.2 | 69.6 | 88 | 300 | 11.9 | 71.7 | 89 | |
| 950 | 13.45 | 202 | 7.40 | 44.1 | 89 | 224 | 8.54 | 56.1 | 89 | 249 | 10.0 | 63.3 | 87 | 277 | 11.6 | 68.0 | 89 | 304 | 13.5 | 70.2 | 90 | |
| 1020 | 14.44 | 213 | 8.94 | 42.2 | 91 | 235 | 10.3 | 52.7 | 91 | 254 | 11.4 | 62.1 | 90 | 281 | 13.3 | 65.9 | 90 | 308 | 15.2 | 68.8 | 91 | |
| 1090 | 15.43 | 225 | 10.7 | 41.0 | 93 | 246 | 12.1 | 50.4 | 93 | 263 | 13.3 | 59.3 | 92 | 287 | 15.2 | 63.5 | 91 | 311 | 17.0 | 67.3 | 92 | |
| 1160 | 16.42 | 236 | 12.7 | 39.6 | 95 | 257 | 14.3 | 48.4 | 95 | 274 | 15.6 | 56.4 | 94 | 292 | 17.1 | 62.5 | 93 | 316 | 19.2 | 65.3 | 93 | |
| 1230 | 17.41 | 248 | 14.9 | 38.6 | 96 | 268 | 16.6 | 46.6 | 96 | 285 | 18.1 | 53.7 | 96 | 300 | 19.4 | 60.7 | 95 | 322 | 21.7 | 63.3 | 94 | |
| 1300 | 18.40 | 259 | 17.3 | 37.5 | 98 | 279 | 19.2 | 45.1 | 98 | 296 | 20.9 | 51.4 | 97 | 310 | 22.2 | 57.8 | 97 | 327 | 24.0 | 62.5 | 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 | ηt | PWL | rpm | BkW | ηt | PWL | |
| 530 | 7.50 | | | | | | | | | | | | | | | | | | | | | |
| 600 | 8.49 | | | | | | | | | | | | | | | | | | | | | |
| 670 | 9.48 | | | | | | | | | | | | | | | | | | | | | |
| 740 | 10.48 | | | | | | | | | | | | | | | | | | | | | |
| 810 | 11.47 | | | | | | | | | | | | | | | | | | | | | |
| 880 | 12.46 | 324 | 13.5 | 73.7 | 91 | | | | | | | | | | | | | | | | | |
| 950 | 13.45 | 328 | 15.3 | 71.9 | 91 | 350 | 17.1 | 73.7 | 93 | | | | | | | | | | | | | |
| 1020 | 14.44 | 332 | 17.1 | 70.6 | 92 | 354 | 19.1 | 72.1 | 93 | 374 | 20.9 | 73.6 | 95 | 392 | 22.7 | 75.1 | 95 | | | | | |
| 1090 | 15.43 | 336 | 19.1 | 69.3 | 93 | 358 | 21.2 | 70.9 | 94 | 379 | 23.4 | 72.1 | 95 | 398 | 25.4 | 73.4 | 96 | 415 | 27.2 | 74.8 | 97 | |
| 1160 | 16.42 | 339 | 21.2 | 68.1 | 94 | 362 | 23.5 | 69.6 | 95 | 382 | 25.7 | 71.0 | 96 | 402 | 28 | 72.1 | 97 | 420 | 30.2 | 73.2 | 98 | |
| 1230 | 17.41 | 343 | 23.7 | 66.5 | 95 | 365 | 25.9 | 68.5 | 96 | 386 | 28.3 | 69.8 | 97 | 405 | 30.6 | 71.0 | 97 | 424 | 33.1 | 71.9 | 98 | |
| 1300 | 18.40 | 349 | 26.5 | 64.5 | 96 | 369 | 28.7 | 67.2 | 97 | 390 | 31.1 | 68.7 | 97 | 409 | 33.5 | 69.9 | 98 | 428 | 36.1 | 71.0 | 99 | |

- Power rating BkW does not include transmission losses.
 - The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for installation type B (free inlet, ducted outlet).
 - Performance certified is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenance (accessories).

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GSF-SS series

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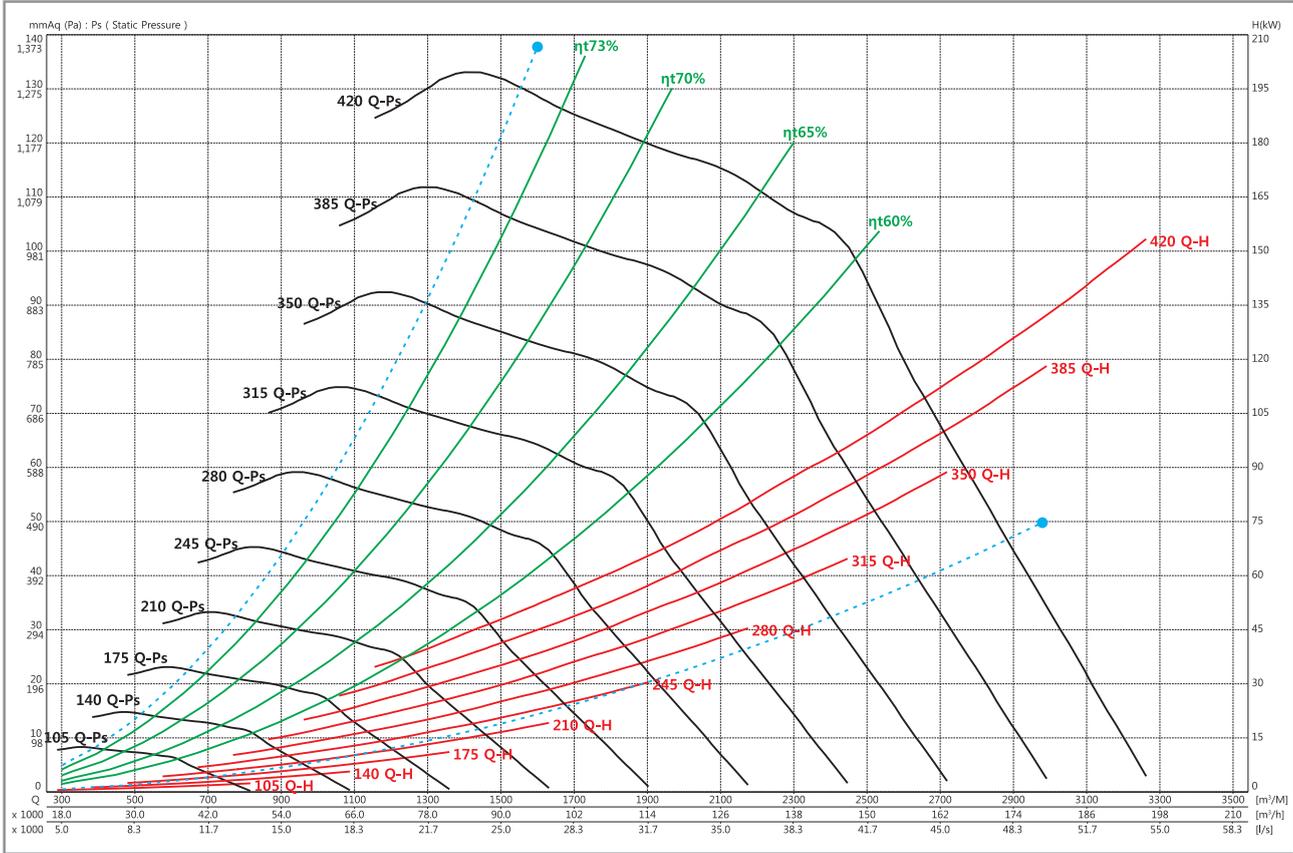
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GSF-9SS

FEG 75

| | | | | | | | | | | | |
|-----------|---------|---------------------------|-------------|-------------|-------------|-----------------------|---------|---------|---------|---------|----------------|
| Wheel dia | 1350 mm | Tip Speed = 0.07069 * rpm | Outlet Dim' | 1080 * 1370 | Outlet Area | 1.4796 m ² | Class 1 | 354 rpm | Class 2 | 446 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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| | | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | |
| 720 | 8.11 | 129 | 2.61 | 62.7 | 74 | 169 | 3.93 | 71.2 | 77 | | | | | | | | | | | | | |
| 800 | 9.01 | 136 | 3.31 | 59.6 | 78 | 173 | 4.72 | 69.3 | 79 | 204 | 6.21 | 73.2 | 82 | | | | | | | | | |
| 880 | 9.91 | 144 | 4.17 | 54.4 | 81 | 175 | 5.54 | 67.0 | 80 | 207 | 7.21 | 71.3 | 83 | 234 | 8.86 | 74.6 | 85 | | | | | |
| 960 | 10.81 | 153 | 5.22 | 50.9 | 84 | 180 | 6.63 | 64.1 | 82 | 211 | 8.36 | 69.7 | 84 | 237 | 10.1 | 72.4 | 86 | 259 | 11.8 | 75.0 | 88 | |
| 1040 | 11.71 | 162 | 6.43 | 48.5 | 86 | 184 | 7.71 | 62.5 | 84 | 213 | 9.53 | 68.0 | 85 | 240 | 11.5 | 70.9 | 87 | 264 | 13.5 | 73.1 | 89 | |
| 1120 | 12.62 | 171 | 7.81 | 46.3 | 88 | 190 | 9.04 | 59.4 | 87 | 217 | 11.0 | 65.9 | 87 | 244 | 13.1 | 69.5 | 88 | 267 | 15.2 | 71.6 | 90 | |
| 1200 | 13.52 | 179 | 9.29 | 44.0 | 90 | 199 | 10.8 | 56.3 | 89 | 222 | 12.7 | 63.5 | 88 | 246 | 14.7 | 68.1 | 89 | 270 | 17.0 | 70.2 | 91 | |
| 1280 | 14.42 | 188 | 11.0 | 42.3 | 92 | 208 | 12.7 | 53.4 | 91 | 225 | 14.2 | 62.3 | 90 | 250 | 16.6 | 66.4 | 90 | 273 | 18.9 | 69.0 | 92 | |
| 1360 | 15.32 | 198 | 13.1 | 41.4 | 93 | 217 | 14.9 | 51.1 | 93 | 232 | 16.3 | 60.1 | 92 | 254 | 18.7 | 64.0 | 91 | 276 | 21.0 | 67.8 | 92 | |
| 1440 | 16.22 | 207 | 15.3 | 40.2 | 95 | 225 | 17.1 | 48.8 | 95 | 240 | 18.7 | 57.1 | 94 | 258 | 20.9 | 62.7 | 93 | 280 | 23.5 | 66.2 | 93 | |
| 1520 | 17.12 | 216 | 17.7 | 39.0 | 96 | 234 | 19.7 | 47.2 | 96 | 249 | 21.5 | 54.6 | 95 | 263 | 23.2 | 61.5 | 95 | 284 | 26.2 | 64.0 | 94 | |
| 1600 | 18.02 | 225 | 20.3 | 38.0 | 98 | 243 | 22.6 | 45.8 | 97 | 258 | 24.6 | 52.4 | 97 | 271 | 26.3 | 59.3 | 96 | 288 | 28.9 | 62.8 | 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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| | | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | |
| 720 | 8.11 | | | | | | | | | | | | | | | | | | | | | |
| 800 | 9.01 | | | | | | | | | | | | | | | | | | | | | |
| 880 | 9.91 | | | | | | | | | | | | | | | | | | | | | |
| 960 | 10.81 | | | | | | | | | | | | | | | | | | | | | |
| 1040 | 11.71 | | | | | | | | | | | | | | | | | | | | | |
| 1120 | 12.62 | 288 | 17.3 | 73.5 | 91 | | | | | | | | | | | | | | | | | |
| 1200 | 13.52 | 292 | 19.3 | 72.0 | 92 | 311 | 21.5 | 73.8 | 93 | | | | | | | | | | | | | |
| 1280 | 14.42 | 295 | 21.4 | 70.9 | 93 | 314 | 23.8 | 72.2 | 94 | 332 | 26.1 | 73.8 | 95 | | | | | | | | | |
| 1360 | 15.32 | 298 | 23.7 | 69.6 | 93 | 317 | 26.2 | 71.1 | 94 | 336 | 28.9 | 72.4 | 96 | 352 | 31.2 | 73.8 | 96 | 367 | 33.5 | 75.1 | 97 | |
| 1440 | 16.22 | 300 | 26.0 | 68.5 | 94 | 321 | 28.9 | 70.0 | 95 | 339 | 31.6 | 71.3 | 96 | 356 | 34.3 | 72.4 | 97 | 372 | 37.0 | 73.7 | 98 | |
| 1520 | 17.12 | 303 | 28.6 | 67.2 | 95 | 323 | 31.5 | 68.9 | 96 | 342 | 34.5 | 70.2 | 97 | 359 | 37.4 | 71.4 | 98 | 375 | 40.2 | 72.4 | 98 | |
| 1600 | 18.02 | 307 | 31.6 | 65.4 | 96 | 326 | 34.4 | 67.9 | 97 | 345 | 37.5 | 69.3 | 97 | 362 | 40.6 | 70.4 | 98 | 378 | 43.6 | 71.4 | 99 | |

- Power rating BkW does not include transmission losses.
 - The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwIA sound power levels for installation type B (free inlet, ducted outlet).
 - Performance certified is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenance (accessories).

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GSF-SS series

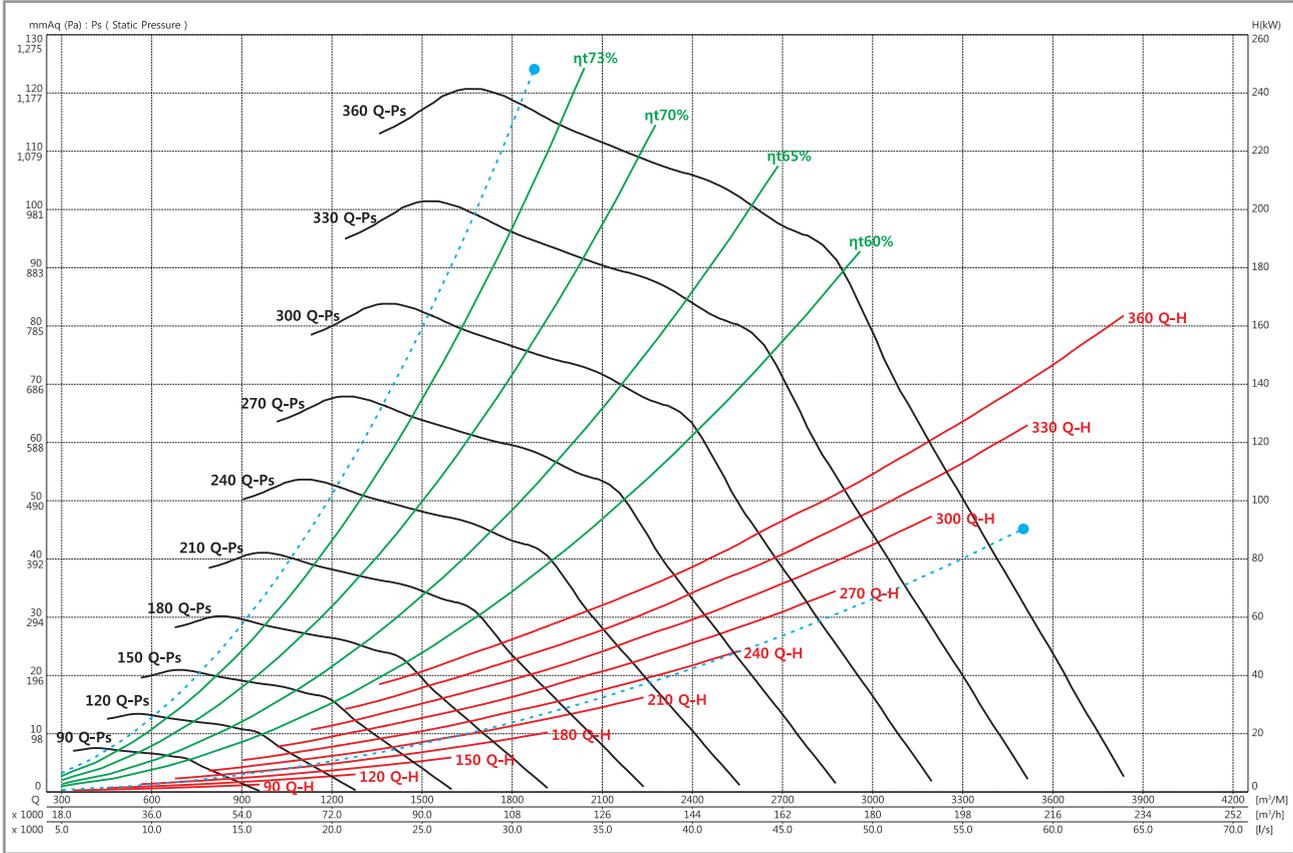
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GSF-10SS

FEG 75

| | | | | | | | | | | | |
|-----------|---------|---------------------------|-------------|-------------|-------------|-----------------------|---------|---------|---------|---------|----------------|
| Wheel dia | 1500 mm | Tip Speed = 0.07854 * rpm | Outlet Dim' | 1200 * 1525 | Outlet Area | 1.8300 m ² | Class 1 | 318 rpm | Class 2 | 401 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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| 1000 | 9.11 | 123 | 4.19 | 58.6 | 78 | 156 | 5.94 | 69.0 | 79 | 184 | 7.82 | 72.9 | 82 | | | | | | | | | |
| 1100 | 10.02 | 131 | 5.33 | 54.1 | 82 | 158 | 7.00 | 66.7 | 81 | 187 | 9.09 | 71.1 | 83 | 211 | 11.2 | 74.2 | 86 | | | | | |
| 1200 | 10.93 | 139 | 6.67 | 50.6 | 85 | 162 | 8.34 | 63.6 | 83 | 190 | 10.5 | 69.4 | 84 | 214 | 12.8 | 72.1 | 87 | 235 | 15.0 | 74.9 | 89 | |
| 1300 | 11.84 | 147 | 8.19 | 48.0 | 87 | 166 | 9.72 | 62.1 | 85 | 192 | 12.0 | 67.7 | 86 | 217 | 14.6 | 70.7 | 88 | 238 | 17.0 | 72.8 | 89 | |
| 1400 | 12.75 | 155 | 9.93 | 45.8 | 89 | 173 | 11.6 | 59.3 | 87 | 196 | 13.9 | 65.4 | 87 | 220 | 16.5 | 69.2 | 89 | 241 | 19.1 | 71.4 | 90 | |
| 1500 | 13.66 | 163 | 11.9 | 43.9 | 91 | 181 | 13.8 | 56.0 | 90 | 200 | 16.0 | 63.1 | 89 | 222 | 18.5 | 67.8 | 90 | 244 | 21.5 | 70.0 | 91 | |
| 1600 | 14.57 | 171 | 14.1 | 42.2 | 92 | 189 | 16.2 | 52.9 | 92 | 204 | 18.1 | 62.1 | 91 | 225 | 20.9 | 65.7 | 91 | 246 | 23.8 | 68.7 | 92 | |
| 1700 | 15.48 | 180 | 16.7 | 41.2 | 94 | 197 | 19.0 | 50.7 | 94 | 210 | 20.7 | 59.3 | 93 | 230 | 23.8 | 63.7 | 92 | 249 | 26.6 | 67.4 | 93 | |
| 1800 | 16.39 | 188 | 19.5 | 39.8 | 96 | 205 | 22.0 | 48.8 | 95 | 218 | 23.9 | 56.6 | 94 | 233 | 26.4 | 62.6 | 94 | 252 | 29.6 | 65.5 | 94 | |
| 1900 | 17.30 | 196 | 22.5 | 38.6 | 97 | 213 | 25.3 | 47.1 | 97 | 226 | 27.4 | 54.0 | 96 | 238 | 29.5 | 60.9 | 95 | 257 | 33.2 | 63.7 | 95 | |
| 2000 | 18.21 | 205 | 26.0 | 38.0 | 98 | 221 | 28.9 | 45.6 | 98 | 235 | 31.5 | 52.3 | 98 | 246 | 33.5 | 58.8 | 97 | 260 | 36.4 | 62.6 | 96 | |
| 2100 | 19.13 | 213 | 29.7 | 36.9 | 100 | 229 | 32.8 | 44.3 | 99 | 242 | 35.4 | 50.2 | 99 | 254 | 37.9 | 56.5 | 99 | 265 | 40.3 | 61.5 | 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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| 1000 | 9.11 | | | | | | | | | | | | | | | | | | | | | |
| 1100 | 10.02 | | | | | | | | | | | | | | | | | | | | | |
| 1200 | 10.93 | | | | | | | | | | | | | | | | | | | | | |
| 1300 | 11.84 | 256 | 19.3 | 75.1 | 91 | | | | | | | | | | | | | | | | | |
| 1400 | 12.75 | 260 | 21.8 | 73.2 | 92 | 276 | 24.1 | 75.1 | 93 | | | | | | | | | | | | | |
| 1500 | 13.66 | 263 | 24.3 | 71.8 | 92 | 280 | 27.0 | 73.4 | 94 | 295 | 29.5 | 75.1 | 95 | | | | | | | | | |
| 1600 | 14.57 | 266 | 27.0 | 70.6 | 93 | 284 | 30.1 | 72.1 | 94 | 300 | 33.0 | 73.5 | 95 | 314 | 35.7 | 75.0 | 96 | | | | | |
| 1700 | 15.48 | 269 | 29.8 | 69.4 | 94 | 286 | 33.0 | 70.9 | 95 | 303 | 36.4 | 72.1 | 96 | 318 | 39.5 | 73.4 | 97 | 332 | 42.4 | 74.9 | 98 | |
| 1800 | 16.39 | 271 | 32.8 | 68.3 | 95 | 289 | 36.3 | 69.8 | 96 | 306 | 39.8 | 71.1 | 97 | 321 | 43.2 | 72.2 | 98 | 335 | 46.5 | 73.3 | 98 | |
| 1900 | 17.30 | 274 | 36.3 | 66.9 | 96 | 292 | 39.8 | 68.7 | 96 | 308 | 43.3 | 70.0 | 97 | 324 | 47.1 | 71.2 | 98 | 338 | 50.6 | 72.1 | 99 | |
| 2000 | 18.21 | 278 | 40.2 | 65.1 | 97 | 294 | 43.5 | 67.6 | 97 | 311 | 47.3 | 69.0 | 98 | 327 | 51.3 | 70.2 | 99 | 341 | 54.9 | 71.2 | 100 | |
| 2100 | 19.13 | 282 | 44.3 | 63.4 | 98 | 297 | 47.6 | 66.1 | 98 | 313 | 51.3 | 68.0 | 99 | 329 | 55.4 | 69.2 | 99 | 344 | 59.5 | 70.2 | 100 | |

- Power rating BkW does not include transmission losses.
 - The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for installation type B (free inlet, ducted outlet).
 - Performance certified is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenance (accessories).
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GSF-SS series

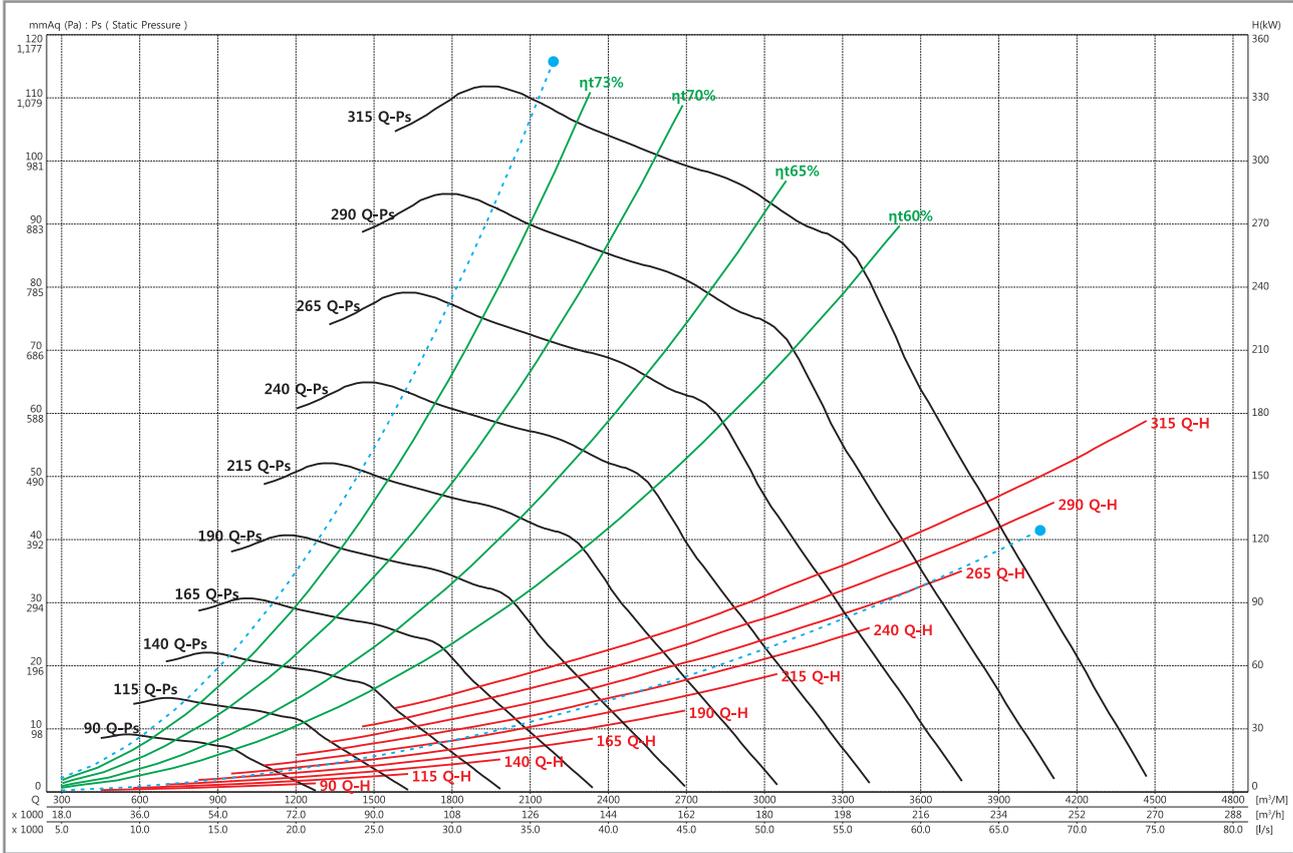
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GSF-11SS

FEG 75

| | | | | | | | | | | | | |
|-----------|---------|-------------|---------------|-------------|-------------|-------------|-----------------------|---------|---------|---------|---------|----------------|
| Wheel dia | 1650 mm | Tip Speed = | 0.08639 * rpm | Outlet Dim' | 1320 * 1675 | Outlet Area | 2.2110 m ² | Class 1 | 289 rpm | Class 2 | 365 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 | ηt | PWL | rpm | BkW | ηt | PWL | rpm | BkW | ηt | PWL | rpm | BkW | ηt | PWL | rpm | BkW | ηt | PWL | |
| | | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | |
| 1080 | 8.14 | 106 | 3.95 | 62.7 | 75 | 139 | 5.96 | 71.2 | 78 | | | | | | | | | | | | | |
| 1200 | 9.05 | 111 | 4.95 | 58.8 | 79 | 141 | 7.04 | 69.1 | 80 | 167 | 9.32 | 73.1 | 83 | | | | | | | | | |
| 1320 | 9.95 | 118 | 6.29 | 53.9 | 82 | 144 | 8.39 | 67.1 | 81 | 170 | 10.9 | 71.3 | 84 | 191 | 13.2 | 74.4 | 86 | | | | | |
| 1440 | 10.85 | 126 | 7.92 | 51.2 | 85 | 147 | 9.94 | 63.9 | 83 | 172 | 12.5 | 69.5 | 85 | 194 | 15.3 | 72.3 | 87 | 213 | 17.9 | 75.1 | 89 | |
| 1560 | 11.76 | 133 | 9.72 | 48.4 | 87 | 150 | 11.5 | 62.2 | 85 | 175 | 14.4 | 68.0 | 86 | 197 | 17.4 | 70.8 | 88 | 216 | 20.3 | 73.0 | 90 | |
| 1680 | 12.66 | 140 | 11.8 | 46.0 | 89 | 156 | 13.7 | 59.3 | 88 | 178 | 16.6 | 65.8 | 87 | 199 | 19.6 | 69.3 | 89 | 219 | 22.9 | 71.5 | 90 | |
| 1800 | 13.57 | 147 | 14.0 | 43.9 | 91 | 163 | 16.2 | 55.9 | 90 | 181 | 19.0 | 63.3 | 89 | 201 | 22.0 | 67.9 | 90 | 221 | 25.5 | 70.1 | 91 | |
| 1920 | 14.47 | 155 | 16.8 | 42.7 | 93 | 171 | 19.2 | 53.5 | 92 | 185 | 21.5 | 62.3 | 91 | 204 | 24.9 | 66.0 | 91 | 224 | 28.5 | 68.9 | 92 | |
| 2040 | 15.38 | 162 | 19.7 | 41.0 | 94 | 178 | 22.4 | 50.9 | 94 | 190 | 24.6 | 59.7 | 93 | 208 | 28.2 | 63.8 | 92 | 226 | 31.7 | 67.7 | 93 | |
| 2160 | 16.28 | 170 | 23.1 | 40.1 | 96 | 185 | 25.9 | 48.9 | 96 | 197 | 28.3 | 56.9 | 95 | 212 | 31.6 | 62.7 | 94 | 229 | 35.3 | 65.9 | 94 | |
| 2280 | 17.19 | 177 | 26.6 | 38.8 | 97 | 192 | 29.8 | 47.1 | 97 | 205 | 32.6 | 54.9 | 96 | 216 | 35.1 | 61.5 | 95 | 233 | 39.5 | 63.9 | 95 | |
| 2400 | 18.09 | 185 | 30.7 | 38.0 | 99 | 199 | 34.0 | 45.5 | 98 | 212 | 37.2 | 52.4 | 98 | 222 | 39.6 | 58.9 | 97 | 236 | 43.5 | 62.7 | 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 | ηt | PWL | rpm | BkW | ηt | PWL | |
| | | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | |
| 1080 | 8.14 | | | | | | | | | | | | | | | | | | | | | |
| 1200 | 9.05 | | | | | | | | | | | | | | | | | | | | | |
| 1320 | 9.95 | | | | | | | | | | | | | | | | | | | | | |
| 1440 | 10.85 | | | | | | | | | | | | | | | | | | | | | |
| 1560 | 11.76 | | | | | | | | | | | | | | | | | | | | | |
| 1680 | 12.66 | 236 | 26.0 | 73.4 | 92 | | | | | | | | | | | | | | | | | |
| 1800 | 13.57 | 239 | 29.1 | 71.9 | 93 | 255 | 32.4 | 73.7 | 94 | | | | | | | | | | | | | |
| 1920 | 14.47 | 241 | 32.1 | 70.7 | 93 | 257 | 35.8 | 72.1 | 95 | 272 | 39.4 | 73.7 | 96 | | | | | | | | | |
| 2040 | 15.38 | 244 | 35.6 | 69.5 | 94 | 260 | 39.5 | 71.1 | 95 | 275 | 43.4 | 72.3 | 96 | 289 | 47.2 | 73.7 | 97 | 301 | 50.6 | 75.0 | 98 | |
| 2160 | 16.28 | 246 | 39.1 | 68.4 | 95 | 262 | 43.2 | 69.9 | 96 | 277 | 47.3 | 71.2 | 97 | 291 | 51.5 | 72.3 | 98 | 304 | 55.4 | 73.5 | 99 | |
| 2280 | 17.19 | 248 | 43.0 | 67.0 | 96 | 265 | 47.5 | 68.9 | 97 | 280 | 51.9 | 70.2 | 98 | 294 | 56.2 | 71.3 | 98 | 307 | 60.5 | 72.3 | 99 | |
| 2400 | 18.09 | 252 | 47.8 | 65.4 | 97 | 267 | 51.9 | 67.8 | 98 | 282 | 56.3 | 69.1 | 98 | 297 | 61.2 | 70.4 | 99 | 310 | 65.7 | 71.4 | 100 | |

- Power rating BkW does not include transmission losses.
 - The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwIA sound power levels for installation type B (free inlet, ducted outlet).
 - Performance certified is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenance (accessories).
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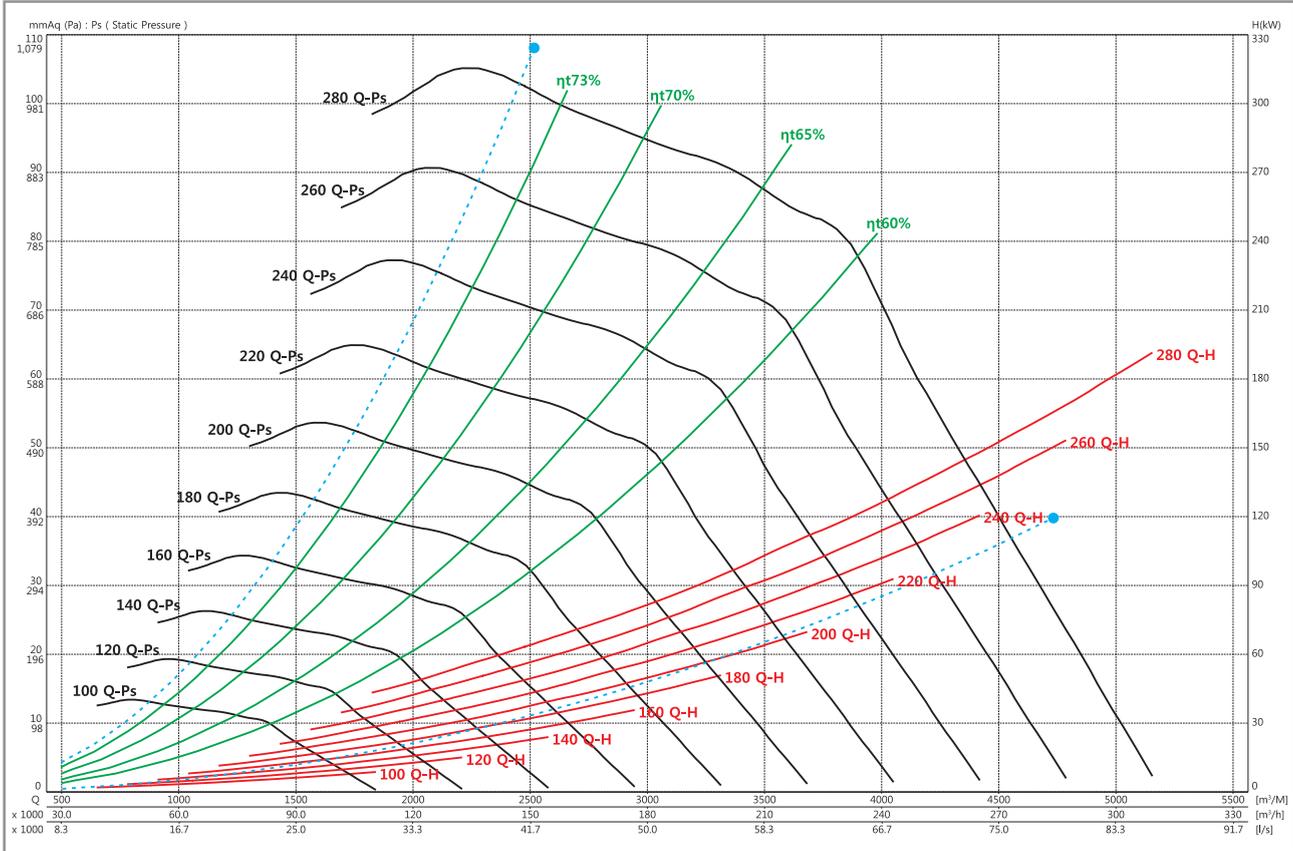
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GSF-12SS

FEG 75

| | | | | | | | | | | | |
|-----------|---------|---------------------------|-------------|-------------|-------------|-----------------------|---------|---------|---------|---------|----------------|
| Wheel dia | 1800 mm | Tip Speed = 0.09425 * rpm | Outlet Dim' | 1440 * 1830 | Outlet Area | 2.6352 m ² | Class 1 | 265 rpm | Class 2 | 334 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 | ηt | PWL | rpm | BkW | ηt | PWL | rpm | BkW | ηt | PWL | rpm | BkW | ηt | PWL | rpm | BkW | ηt | PWL | |
| 1250 | 7.91 | | | | | 127 | 6.80 | 71.8 | 78 | | | | | | | | | | | | | |
| 1400 | 8.85 | 101 | 5.65 | 60.3 | 78 | 129 | 8.13 | 69.5 | 80 | 153 | 10.8 | 73.7 | 83 | | | | | | | | | |
| 1550 | 9.80 | 108 | 7.31 | 55.7 | 81 | 131 | 9.68 | 67.3 | 81 | 155 | 12.6 | 71.4 | 84 | 175 | 15.5 | 74.8 | 86 | | | | | |
| 1700 | 10.75 | 115 | 9.26 | 51.6 | 85 | 135 | 11.7 | 64.3 | 83 | 158 | 14.8 | 69.7 | 85 | 178 | 18.0 | 72.5 | 87 | 194 | 20.8 | 75.1 | 89 | |
| 1850 | 11.70 | 121 | 11.4 | 47.9 | 87 | 138 | 13.7 | 62.5 | 85 | 160 | 17.0 | 68.1 | 86 | 180 | 20.5 | 70.9 | 88 | 198 | 24.1 | 73.1 | 90 | |
| 2000 | 12.65 | 128 | 13.9 | 45.7 | 89 | 143 | 16.3 | 59.3 | 88 | 163 | 19.7 | 65.8 | 88 | 183 | 23.4 | 69.4 | 89 | 201 | 27.3 | 71.5 | 91 | |
| 2150 | 13.60 | 135 | 16.9 | 43.7 | 91 | 150 | 19.5 | 56.0 | 90 | 167 | 22.9 | 63.4 | 89 | 185 | 26.5 | 67.9 | 90 | 203 | 30.6 | 70.1 | 92 | |
| 2300 | 14.55 | 143 | 20.4 | 42.7 | 93 | 157 | 23.2 | 52.8 | 93 | 170 | 26.0 | 62.2 | 91 | 188 | 30.1 | 65.9 | 91 | 205 | 34.2 | 68.7 | 93 | |
| 2450 | 15.50 | 150 | 24.1 | 41.1 | 95 | 164 | 27.3 | 50.5 | 95 | 175 | 29.9 | 59.2 | 93 | 192 | 34.4 | 63.7 | 93 | 207 | 38.2 | 67.3 | 93 | |
| 2600 | 16.44 | 157 | 28.2 | 39.7 | 96 | 171 | 31.8 | 48.6 | 96 | 182 | 34.7 | 56.4 | 95 | 194 | 38.1 | 62.5 | 94 | 211 | 43.1 | 65.6 | 95 | |
| 2750 | 17.39 | 164 | 32.8 | 38.5 | 98 | 178 | 36.8 | 46.9 | 98 | 189 | 40.0 | 53.8 | 97 | 199 | 43.0 | 60.8 | 96 | 214 | 48.1 | 63.5 | 96 | |
| 2900 | 18.34 | 172 | 38.2 | 37.9 | 99 | 185 | 42.3 | 45.4 | 99 | 196 | 45.9 | 51.6 | 99 | 206 | 49.1 | 58.5 | 98 | 217 | 53.1 | 62.6 | 97 | |

| 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 | ηt | PWL | rpm | BkW | ηt | PWL | |
| 1250 | 7.91 | | | | | | | | | | | | | | | | | | | | | |
| 1400 | 8.85 | | | | | | | | | | | | | | | | | | | | | |
| 1550 | 9.80 | | | | | | | | | | | | | | | | | | | | | |
| 1700 | 10.75 | | | | | | | | | | | | | | | | | | | | | |
| 1850 | 11.70 | | | | | | | | | | | | | | | | | | | | | |
| 2000 | 12.65 | 216 | 30.9 | 73.3 | 92 | | | | | | | | | | | | | | | | | |
| 2150 | 13.60 | 219 | 34.7 | 71.9 | 93 | 234 | 38.9 | 73.6 | 94 | | | | | | | | | | | | | |
| 2300 | 14.55 | 221 | 38.6 | 70.5 | 94 | 236 | 43.1 | 72.0 | 95 | 250 | 47.4 | 73.6 | 96 | 262 | 51.4 | 75.1 | 97 | | | | | |
| 2450 | 15.50 | 224 | 43.0 | 69.4 | 94 | 239 | 47.8 | 70.9 | 96 | 252 | 52.3 | 72.1 | 97 | 265 | 56.9 | 73.4 | 98 | 277 | 61.3 | 74.9 | 99 | |
| 2600 | 16.44 | 226 | 47.5 | 68.2 | 95 | 241 | 52.5 | 69.7 | 96 | 255 | 57.6 | 71.1 | 97 | 268 | 62.7 | 72.1 | 98 | 280 | 67.5 | 73.3 | 99 | |
| 2750 | 17.39 | 228 | 52.5 | 66.6 | 96 | 243 | 57.7 | 68.6 | 97 | 257 | 63.0 | 69.9 | 98 | 270 | 68.2 | 71.1 | 99 | | | | | |
| 2900 | 18.34 | 232 | 58.6 | 64.8 | 97 | 245 | 63.3 | 67.3 | 98 | 259 | 68.7 | 68.8 | 99 | 273 | 74.7 | 70.1 | 100 | | | | | |

- Power rating BkW does not include transmission losses.
 - The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for installation type B (free inlet, ducted outlet).
 - Performance certified is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenance (accessories).

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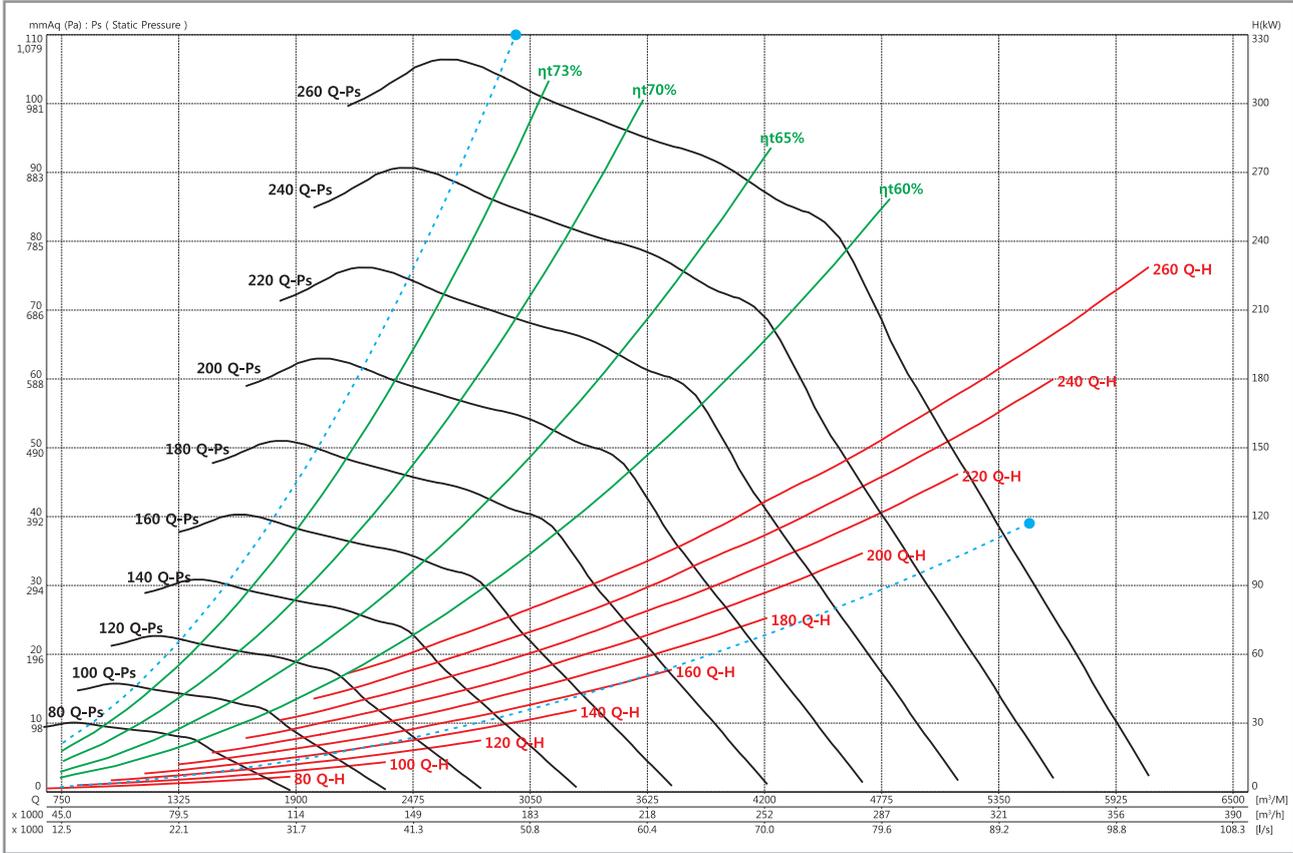
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GSF-13SS

FEG 75

| | | | | | | | | | | | | |
|-----------|---------|-------------|--------------|-------------|-------------|-------------|-----------------------|---------|---------|---------|---------|----------------|
| Wheel dia | 1950 mm | Tip Speed = | 0.1021 * rpm | Outlet Dim' | 1560 * 1980 | Outlet Area | 3.0888 m ² | Class 1 | 245 rpm | Class 2 | 309 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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| 1200 | 6.48 | 85 | 3.59 | 69.0 | 71 | | | | | | | | | | | | | | | | | |
| 1400 | 7.55 | 88 | 4.79 | 64.6 | 74 | 116 | 7.37 | 72.6 | 78 | | | | | | | | | | | | | |
| 1600 | 8.63 | 92 | 6.24 | 61.5 | 77 | 119 | 9.18 | 70.1 | 80 | 140 | 12.1 | 74.3 | 83 | | | | | | | | | |
| 1800 | 9.71 | 99 | 8.35 | 56.2 | 81 | 121 | 11.2 | 67.7 | 81 | 143 | 14.6 | 71.7 | 84 | 161 | 17.8 | 75.0 | 86 | | | | | |
| 2000 | 10.79 | 106 | 10.9 | 51.2 | 85 | 124 | 13.7 | 64.0 | 83 | 146 | 17.4 | 69.7 | 85 | 164 | 21.1 | 72.4 | 87 | 179 | 24.5 | 75.0 | 89 | |
| 2200 | 11.87 | 113 | 13.9 | 47.8 | 88 | 128 | 16.5 | 62.2 | 86 | 148 | 20.4 | 67.7 | 87 | 167 | 24.7 | 70.6 | 89 | 183 | 28.8 | 72.8 | 90 | |
| 2400 | 12.95 | 120 | 17.3 | 45.0 | 90 | 134 | 20.2 | 58.3 | 89 | 151 | 24.2 | 64.7 | 88 | 169 | 28.4 | 68.8 | 90 | 186 | 33.1 | 71.2 | 91 | |
| 2600 | 14.03 | 128 | 21.6 | 43.4 | 92 | 141 | 24.7 | 54.2 | 92 | 155 | 28.4 | 62.7 | 90 | 172 | 32.9 | 67.1 | 91 | 188 | 37.6 | 69.5 | 92 | |
| 2800 | 15.11 | 135 | 26.2 | 41.2 | 95 | 149 | 30.0 | 51.7 | 94 | 159 | 32.9 | 60.5 | 93 | 175 | 38.0 | 64.4 | 92 | 190 | 42.6 | 68.0 | 93 | |
| 3000 | 16.19 | 143 | 31.7 | 40.1 | 96 | 156 | 35.7 | 49.2 | 96 | 166 | 39.0 | 57.1 | 95 | 179 | 43.7 | 62.7 | 94 | 193 | 48.5 | 66.0 | 95 | |
| 3200 | 17.27 | 151 | 37.9 | 39.1 | 98 | 163 | 42.2 | 46.9 | 98 | 174 | 46.1 | 54.6 | 97 | 183 | 49.5 | 61.2 | 96 | 197 | 55.5 | 63.7 | 96 | |
| 3400 | 18.35 | 158 | 44.5 | 37.6 | 100 | 170 | 49.2 | 45.0 | 99 | 181 | 53.8 | 51.8 | 99 | 190 | 57.5 | 58.5 | 98 | 200 | 62.0 | 62.6 | 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 _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | rpm | BkW | η _t | PWL | |
| 1200 | 6.48 | | | | | | | | | | | | | | | | | | | | | |
| 1400 | 7.55 | | | | | | | | | | | | | | | | | | | | | |
| 1600 | 8.63 | | | | | | | | | | | | | | | | | | | | | |
| 1800 | 9.71 | | | | | | | | | | | | | | | | | | | | | |
| 2000 | 10.79 | | | | | | | | | | | | | | | | | | | | | |
| 2200 | 11.87 | 197 | 32.6 | 75.1 | 92 | | | | | | | | | | | | | | | | | |
| 2400 | 12.95 | 201 | 37.8 | 73.0 | 93 | 214 | 42.0 | 74.9 | 94 | | | | | | | | | | | | | |
| 2600 | 14.03 | 203 | 42.7 | 71.3 | 94 | 217 | 47.8 | 72.9 | 95 | 229 | 52.3 | 74.6 | 96 | | | | | | | | | |
| 2800 | 15.11 | 206 | 48.4 | 69.9 | 94 | 219 | 53.5 | 71.3 | 96 | 232 | 59.0 | 72.7 | 97 | 243 | 63.8 | 74.1 | 98 | | | | | |
| 3000 | 16.19 | 208 | 54.1 | 68.5 | 95 | 222 | 60.0 | 70.0 | 96 | 235 | 65.9 | 71.4 | 98 | 246 | 71.3 | 72.4 | 98 | 257 | 76.7 | 73.7 | 99 | |
| 3200 | 17.27 | 210 | 60.6 | 66.9 | 96 | 224 | 66.7 | 68.7 | 97 | 237 | 72.9 | 70.1 | 98 | 249 | 79.1 | 71.3 | 99 | 260 | 85.1 | 72.2 | 100 | |
| 3400 | 18.35 | 214 | 68.6 | 64.8 | 98 | 226 | 74.1 | 67.4 | 98 | 239 | 80.5 | 68.8 | 99 | 252 | 87.6 | 70.1 | 100 | | | | | |

- Power rating BkW does not include transmission losses.
 - The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwiA sound power levels for installation type B (free inlet, ducted outlet).
 - Performance certified is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenance (accessories).

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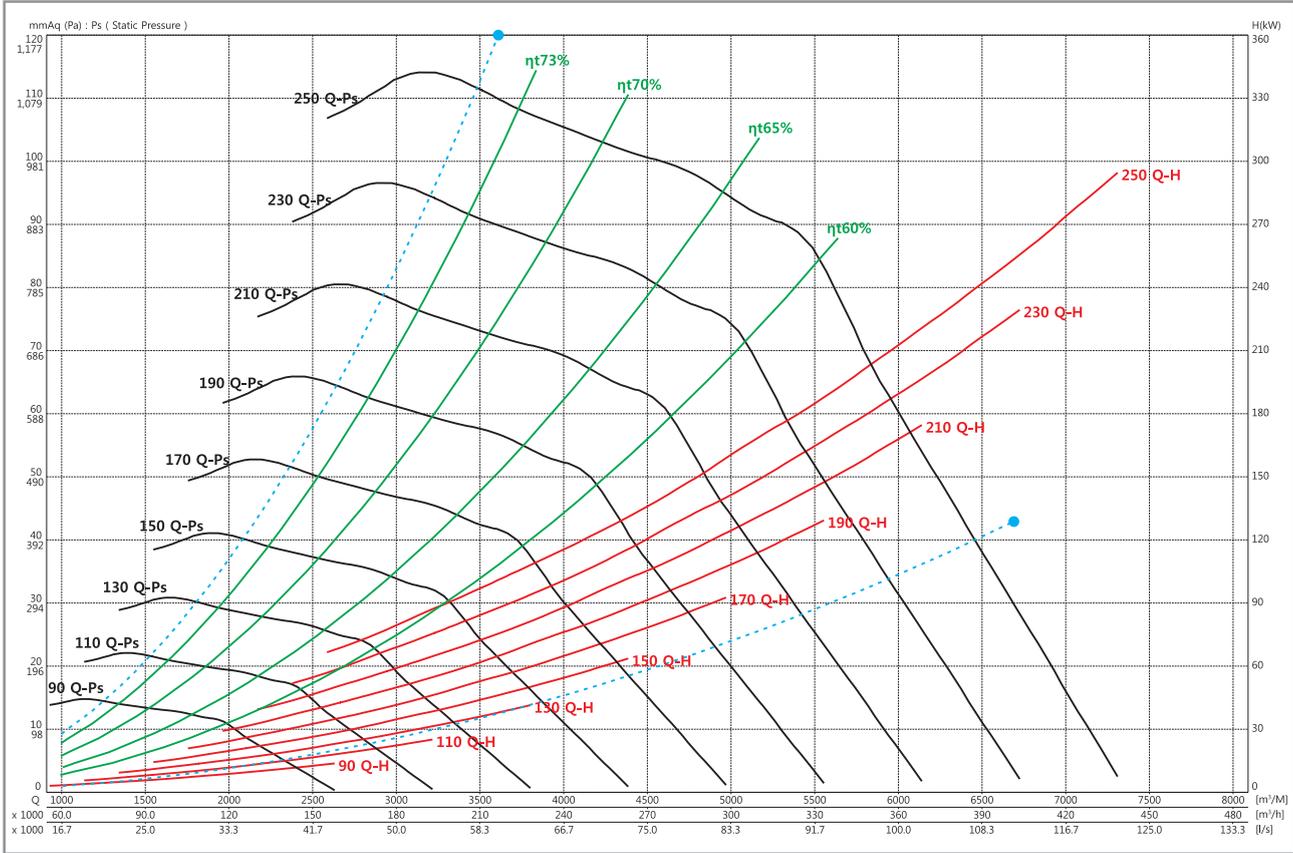
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GSF-14SS

FEG 75

| | | | | | | | | | | | |
|-----------|---------|---------------------------|-------------|-------------|-------------|-----------------------|---------|---------|---------|---------|----------------|
| Wheel dia | 2100 mm | Tip Speed = 0.10996 * rpm | Outlet Dim' | 1680 * 2135 | Outlet Area | 3.5868 m ² | Class 1 | 227 rpm | Class 2 | 286 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 | ηt | PWL | rpm | BkW | ηt | PWL | rpm | BkW | ηt | PWL | rpm | BkW | ηt | PWL | rpm | BkW | ηt | PWL | |
| | | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | |
| 1700 | 7.90 | | | | | 109 | 9.27 | 71.8 | 79 | | | | | | | | | | | | | |
| 1900 | 8.83 | | | | | 111 | 11.1 | 69.7 | 80 | 131 | 14.6 | 73.8 | 83 | | | | | | | | | |
| 2100 | 9.76 | 92 | 9.78 | 55.5 | 82 | 112 | 13.0 | 67.4 | 82 | 133 | 17.1 | 71.5 | 84 | 150 | 21.0 | 74.9 | 87 | | | | | |
| 2300 | 10.69 | 98 | 12.4 | 51.6 | 85 | 115 | 15.7 | 64.3 | 83 | 135 | 19.8 | 69.8 | 86 | 152 | 24.2 | 72.5 | 88 | | | | | |
| 2500 | 11.62 | 104 | 15.4 | 49.0 | 87 | 118 | 18.4 | 62.6 | 86 | 137 | 22.9 | 68.2 | 87 | 154 | 27.5 | 71.0 | 89 | 170 | 32.6 | 73.3 | 90 | |
| 2700 | 12.55 | 109 | 18.6 | 45.9 | 90 | 122 | 21.7 | 59.7 | 88 | 139 | 26.3 | 65.9 | 88 | 156 | 31.3 | 69.4 | 89 | 172 | 36.7 | 71.7 | 91 | |
| 2900 | 13.48 | 115 | 22.4 | 44.1 | 92 | 128 | 26.0 | 56.6 | 91 | 142 | 30.4 | 63.4 | 90 | 158 | 35.4 | 68.1 | 91 | 174 | 41.2 | 70.3 | 92 | |
| 3100 | 14.40 | 121 | 26.8 | 42.4 | 93 | 134 | 30.9 | 53.5 | 93 | 145 | 34.6 | 62.4 | 91 | 160 | 39.9 | 66.1 | 92 | 176 | 46.0 | 69.0 | 93 | |
| 3300 | 15.33 | 127 | 31.7 | 40.9 | 95 | 140 | 36.3 | 51.2 | 95 | 149 | 39.6 | 59.7 | 94 | 164 | 45.8 | 64.0 | 93 | 177 | 50.9 | 67.6 | 94 | |
| 3500 | 16.26 | 133 | 37.1 | 39.7 | 97 | 145 | 41.9 | 48.6 | 97 | 155 | 46.0 | 57.1 | 95 | 166 | 50.9 | 62.6 | 95 | 180 | 57.2 | 65.9 | 95 | |
| 3700 | 17.19 | 139 | 43.2 | 38.5 | 98 | 151 | 48.5 | 47.0 | 98 | 161 | 53.0 | 54.6 | 97 | 170 | 57.2 | 61.5 | 96 | 183 | 64.1 | 63.8 | 96 | |
| 3900 | 18.12 | 146 | 50.4 | 38.2 | 100 | 157 | 55.7 | 45.6 | 99 | 167 | 60.7 | 52.3 | 99 | 175 | 64.8 | 58.9 | 98 | 186 | 71.1 | 62.7 | 97 | |

| 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 | ηt | PWL | rpm | BkW | ηt | PWL | |
| | | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | m ⁻¹ | kW | % | LwIA | |
| 1700 | 7.90 | | | | | | | | | | | | | | | | | | | | | |
| 1900 | 8.83 | | | | | | | | | | | | | | | | | | | | | |
| 2100 | 9.76 | | | | | | | | | | | | | | | | | | | | | |
| 2300 | 10.69 | | | | | | | | | | | | | | | | | | | | | |
| 2500 | 11.62 | | | | | | | | | | | | | | | | | | | | | |
| 2700 | 12.55 | 185 | 41.5 | 73.6 | 93 | | | | | | | | | | | | | | | | | |
| 2900 | 13.48 | 187 | 46.4 | 72.0 | 93 | 200 | 52.0 | 73.8 | 95 | | | | | | | | | | | | | |
| 3100 | 14.40 | 189 | 51.6 | 70.7 | 94 | 202 | 57.7 | 72.2 | 95 | 214 | 63.6 | 73.9 | 96 | | | | | | | | | |
| 3300 | 15.33 | 192 | 57.7 | 69.6 | 95 | 204 | 63.7 | 71.1 | 96 | 216 | 70.2 | 72.3 | 97 | 227 | 76.3 | 73.8 | 98 | 237 | 82.1 | 75.1 | 99 | |
| 3500 | 16.26 | 193 | 63.3 | 68.4 | 96 | 206 | 70.1 | 69.9 | 97 | 218 | 76.9 | 71.2 | 98 | 229 | 83.6 | 72.3 | 99 | 239 | 89.9 | 73.5 | 100 | |
| 3700 | 17.19 | 195 | 70.0 | 67.0 | 97 | 208 | 77.0 | 68.8 | 98 | 220 | 84.2 | 70.1 | 98 | 231 | 91.2 | 71.3 | 99 | 242 | 98.7 | 72.3 | 100 | |
| 3900 | 18.12 | 198 | 77.8 | 65.2 | 98 | 210 | 84.5 | 67.7 | 98 | 222 | 91.9 | 69.1 | 99 | 233 | 99.4 | 70.2 | 100 | 244 | 107.2 | 71.3 | 101 | |

- Power rating BkW does not include transmission losses.
 - The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwIA sound power levels for installation type B (free inlet, ducted outlet).
 - Performance certified is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenance (accessories).
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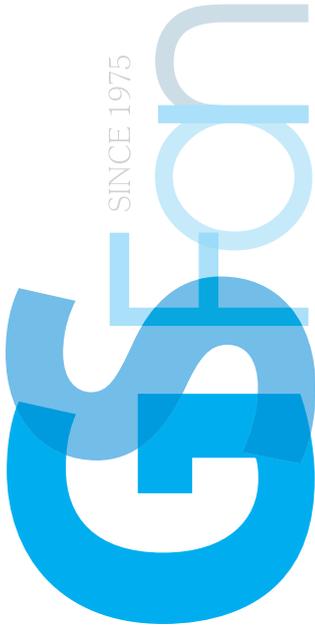
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