1)部品的名称与规格型号



轴流风机:S4E400-AP02-42/F01

2)部品的性能参数

适用电压:1～230VAC

额度频率:50/60Hz

额度转数:1430/1700rpm

额度功率:160/240W

额度电流:0.73/1.06A

电容:6uF/400V

使用环境温度范围:-40～40℃

最大风量:4235/4950CMH

最大风压:198/132Pa

噪音(声压级):67/71dB(A)

空气流动方向:”V”向(从扇叶向网罩)

轴承:球轴承

电机保护:TOP 内置热保护

电机绝缘等级：B

防护等级：IP44

认证:CCC

风机材质:网罩-钢制,磷化处理后黑色喷塑

扇叶:金属,黑色 ， 5 个

转子:涂黑色漆

安装方式:水平或者转子朝下,转子向上时需要提供技术要求

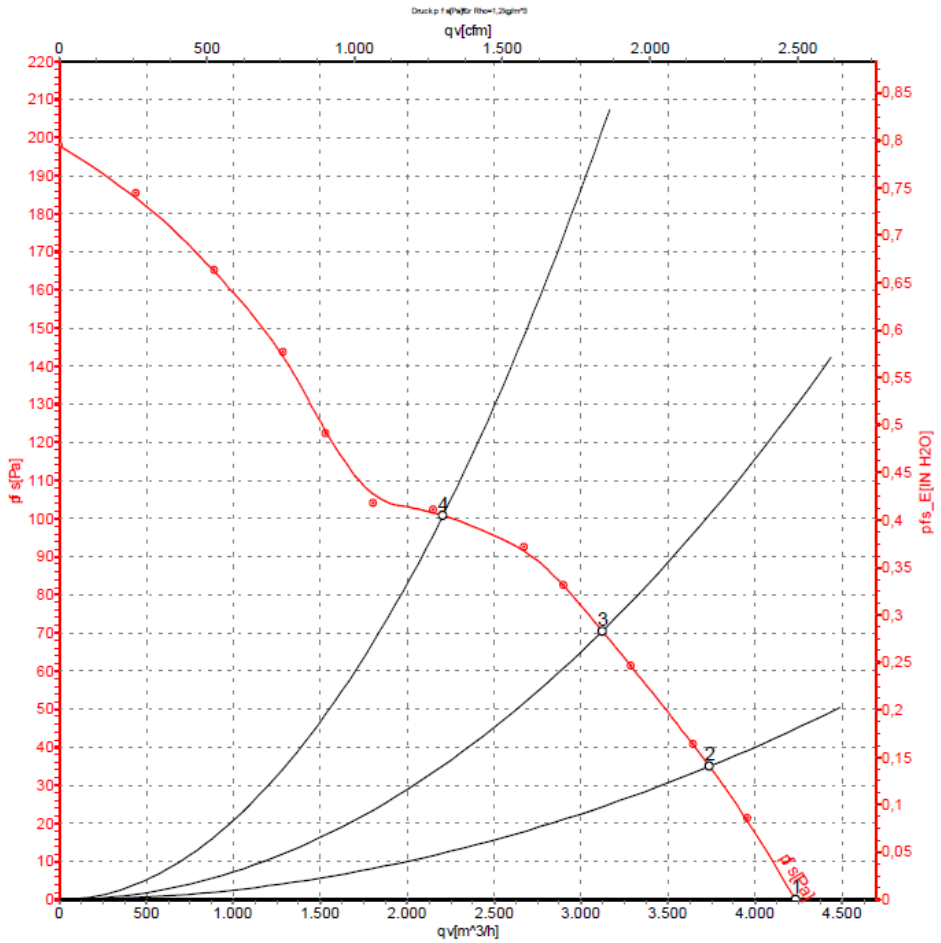
排水孔:在转子一侧

运行方式:连续运行

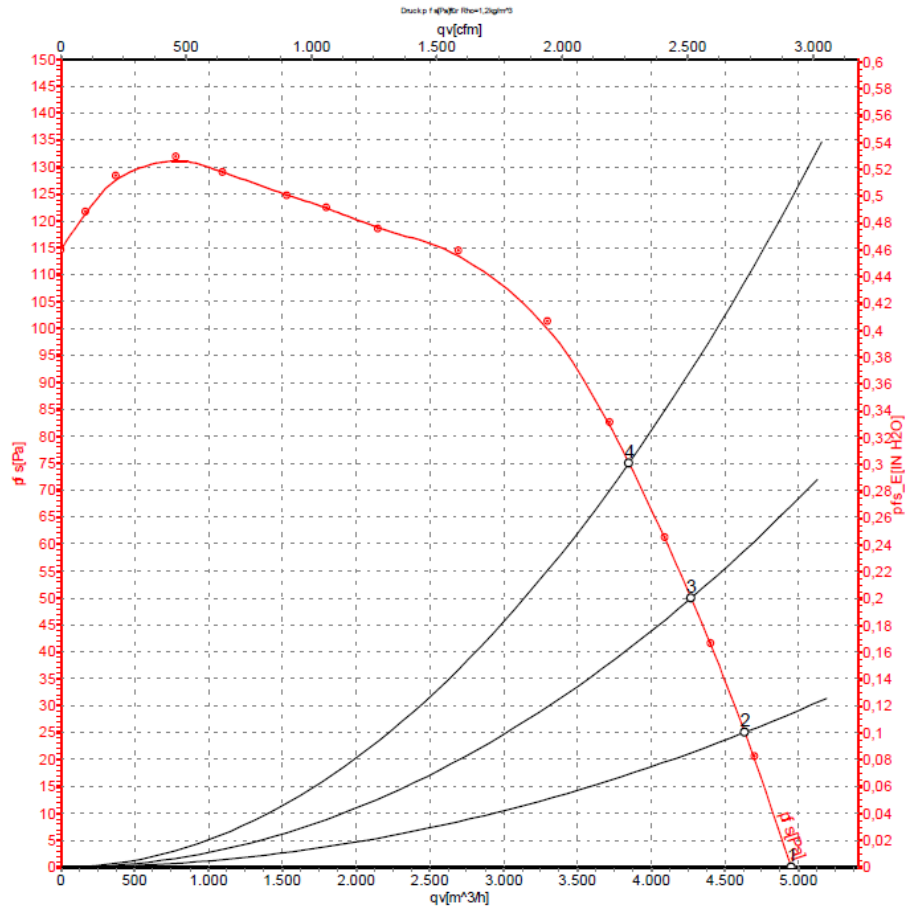
重量:6KG

风机性能曲线图:

50Hz:



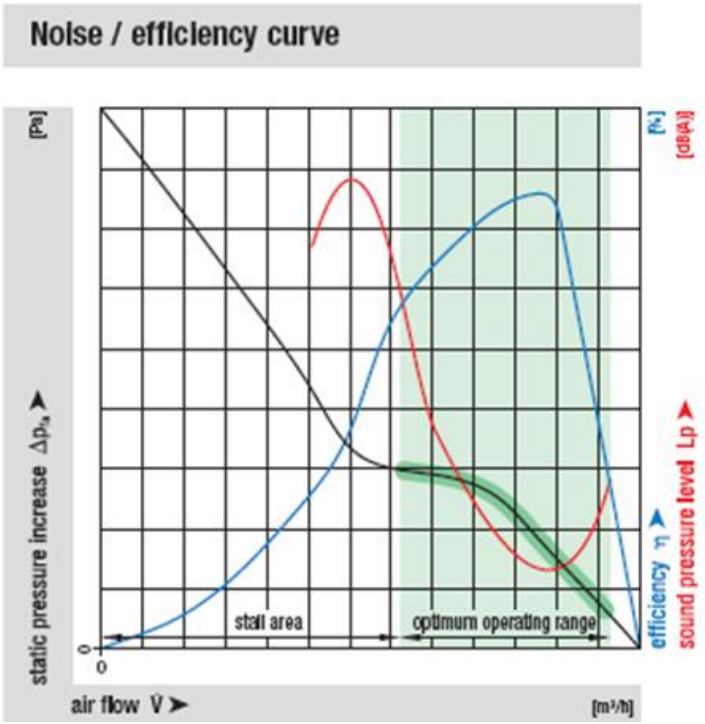
60Hz:



部品的铭牌标识：

3）使用要求和储藏条件

-风机使用的理想曲线范围



上图中阴影部分的实际意义

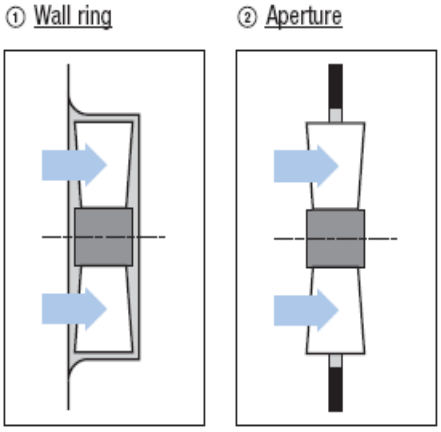
最佳的风效率

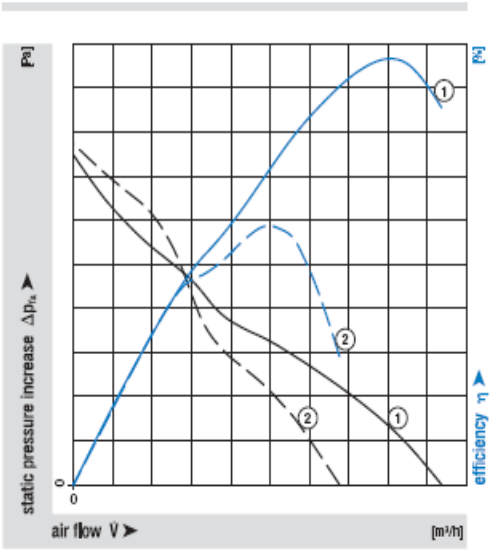
最低的噪音区

风性能曲线绿色部分是最佳运行区域

-安装风筒对风机性能产生的效果

Mounting the fan in a wall ring can significantly increase the air performance in the operating range.

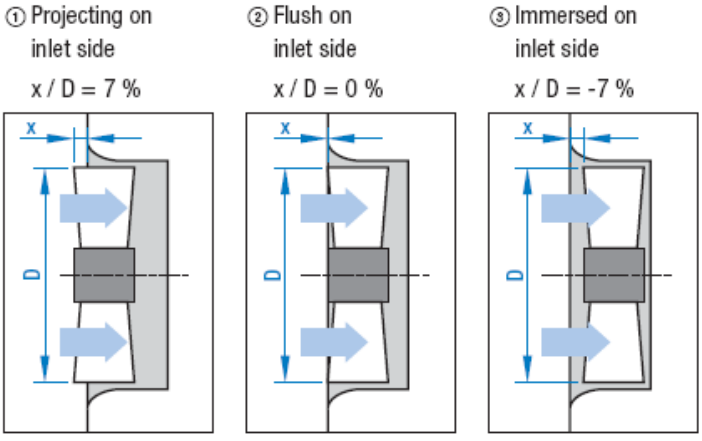


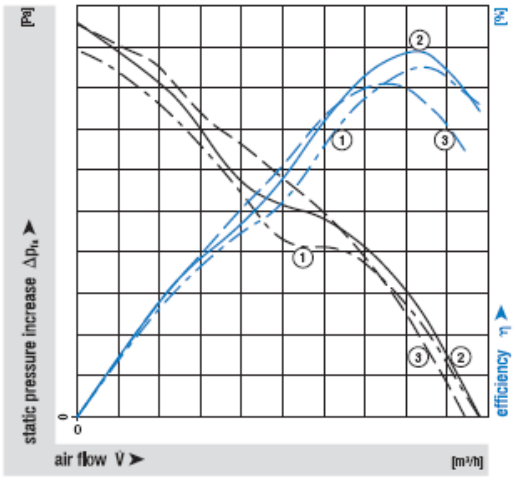


风机安装在风筒中能显著提高风性能

-风机在风筒中轴向位置对风性能的影响

Axial position in the wall ring influences air performance and efficiency.





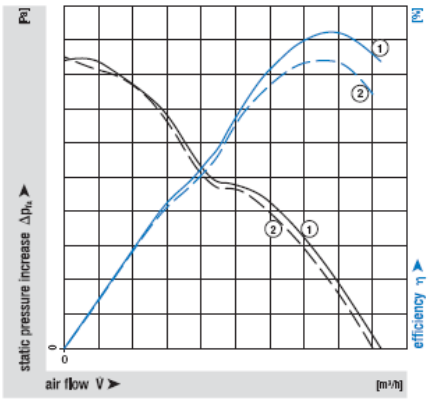
-网罩对风性能的影响

Effects with guard grilles

Mounting a guard grille reduces the air performance of the axial fan.

① Without guard grille
② With guard grille

Curve



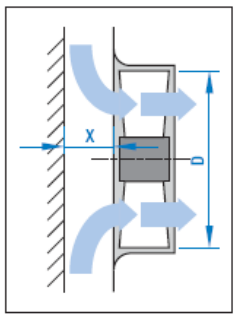
曲线图(1)是不带网罩的,(2)是带网罩的

-下面两种安装位置对风性能的影响

Effects of obstructions on the suction or exhaust side

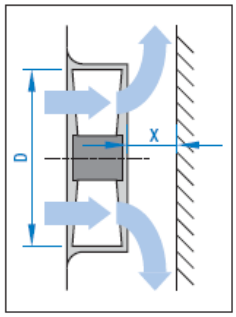
Disturbances or obstructions on the suction or pressure side reduce the air performance of the axial fan.

Obstructions on the inlet side



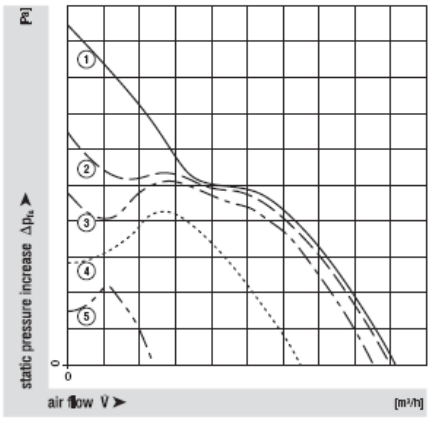
① x / D = ∞
② x / D = 35 %
③ x / D = 18 %
④ x / D = 9 %
⑤ x / D = 5 %

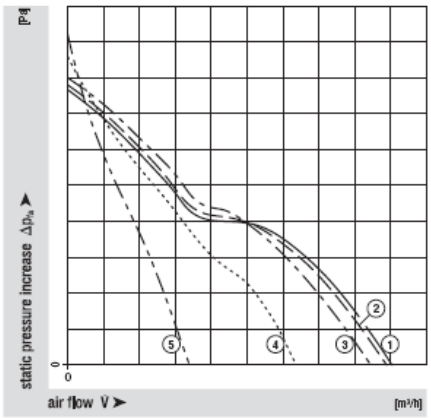
Obstructions on the exhaust side



① x / D = ∞
② x / D = 35 %
③ x / D = 18 %
④ x / D = 9 %
⑤ x / D = 5 %

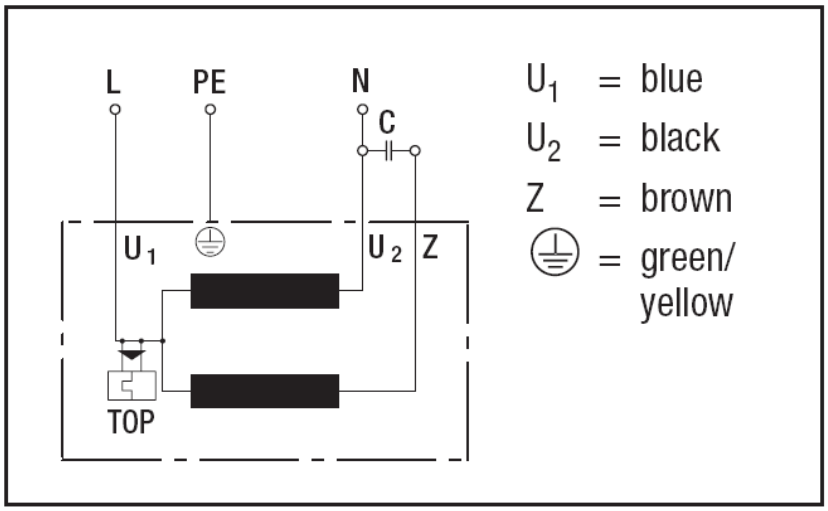
Curve





-接线方式:

A1) Single-phase capacitor motor with TOP wired internally



-严格依据技术参数范围和接线方式使用本部品

-本风机只输送非腐蚀性的空气,密度在 1.2kg/m^3

-本风机适用在海拔 1000M 以下

本产品应储存于干燥无尘密封环境中.

4)风机测试项目以及执行的标准:

-振动测试



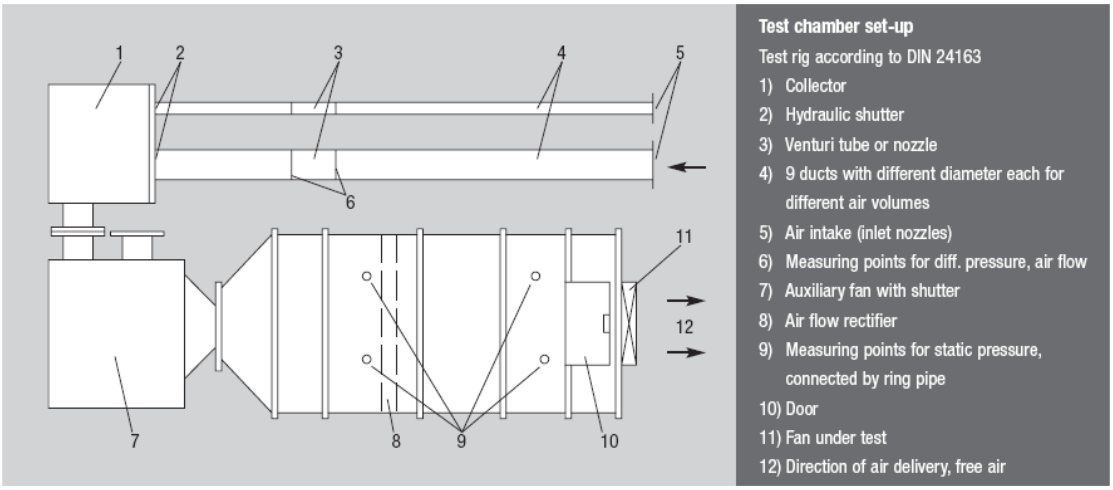
依照DIN IEC 68, parts 2-4和 DIN IEC 68, parts 2-4

-冲击测试依照 DIN IEC 68, parts 2-27

-动平衡依照 DIN ISO 1940

-电流泄露测试依照 IEC 60990, Fig. 4.

-风性能测试



Test chamber set-up

Test rig according to DIN 24163

1) Collector
2) Hydraulic shutter
3) Venturi tube or nozzle
4) 9 ducts with different diameter each for different air volumes
5) Air intake (inlet nozzles)
6) Measuring points for diff. pressure, air flow
7) Auxiliary fan with shutter
8) Air flow rectifier
9) Measuring points for static pressure, connected by ring pipe
10) Door
11) Fan under test
12) Direction of air delivery, free air

依照 DIN 24163 and ISO 5801,

-噪音测试



依照 DIN EN ISO 3745, DIN 45635, ISO 3744/3745,

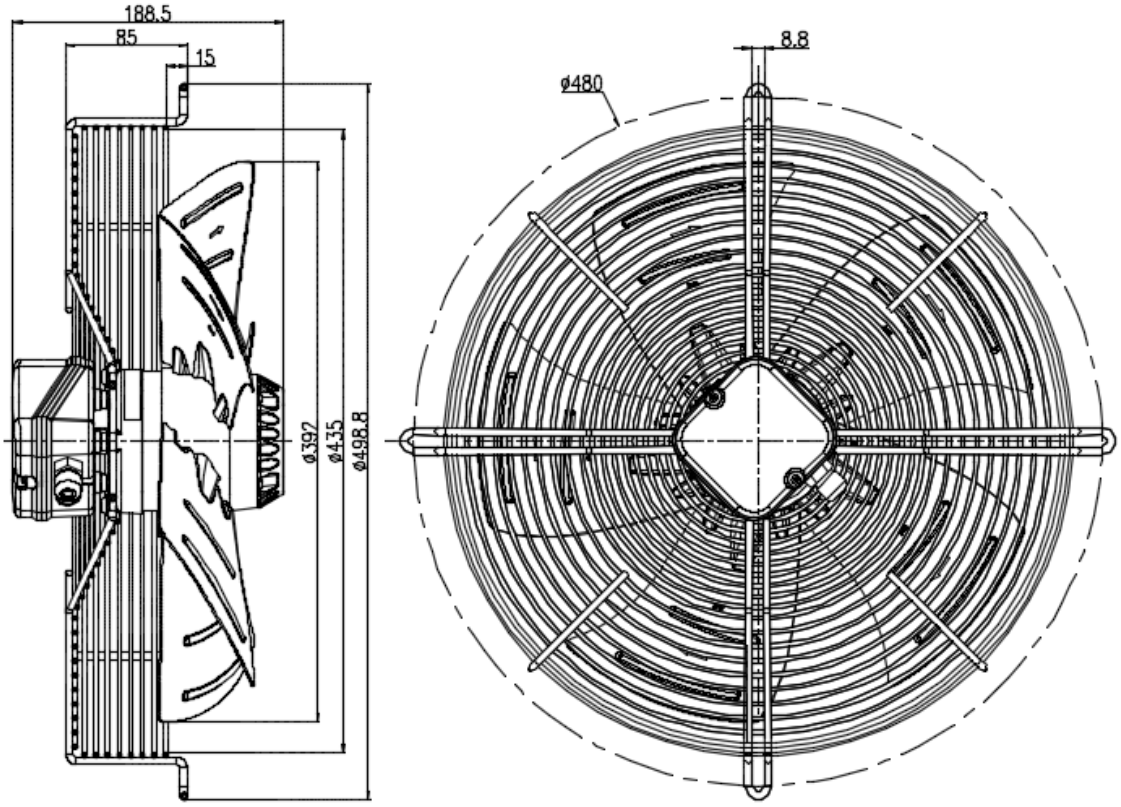
5)风机结构图纸:

-外转子电机结构的优点



与传统内转子电机相比:节省空间,降低负载,精确的平衡,更长的使用寿命

-本部品的结构图



6)产品合格证

7)包装规格

纸箱包装数量: 12 台/箱,分 4 层,每层 3 台,每层间用纸板隔开,每台风机间也用纸板隔开

包装箱尺寸: 长*宽*高=1200*800*900 (单位:mm)

外标识:



8)认证证书

CCC