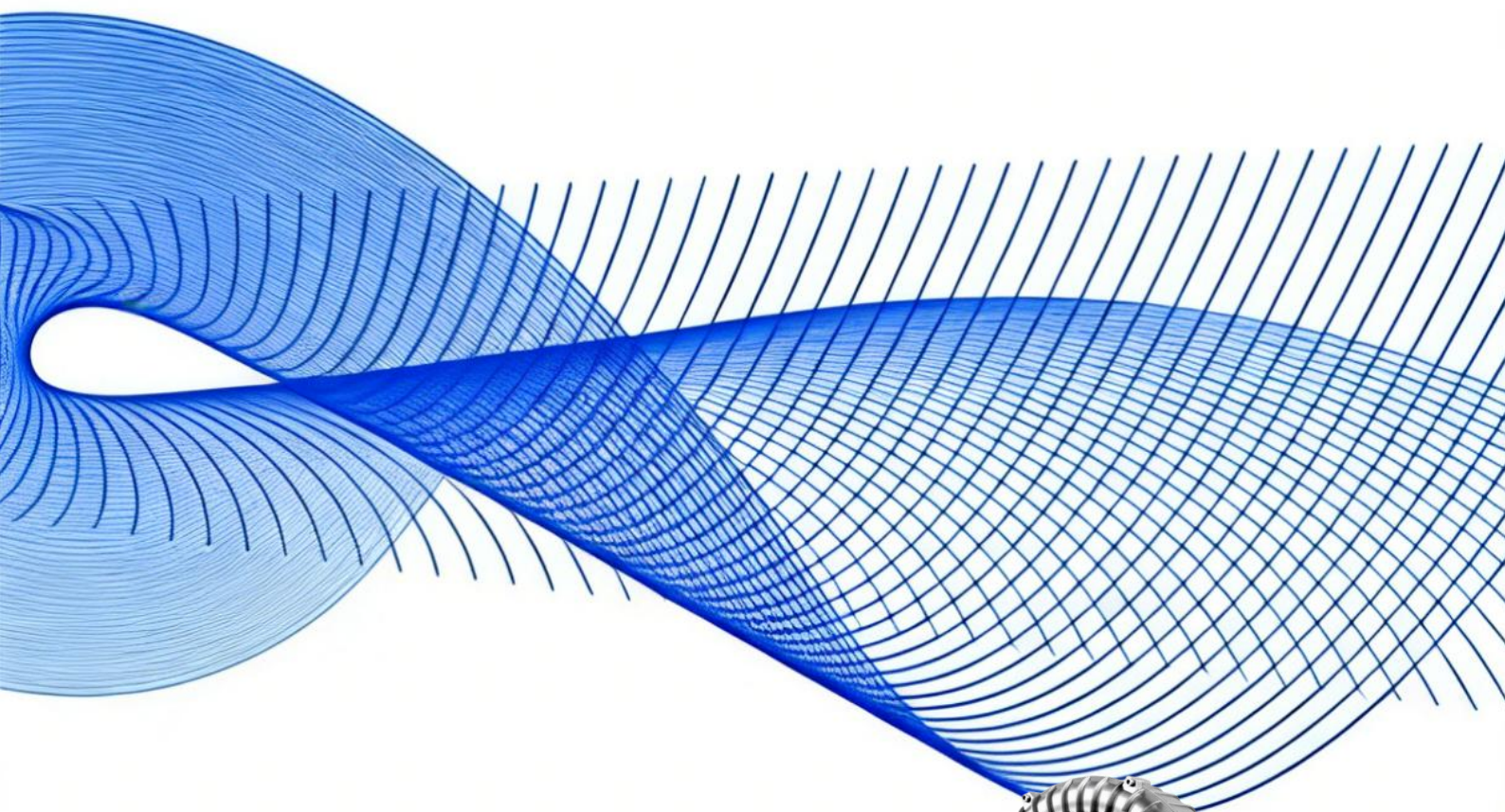


# Hangzhou GT Rail Traffic Equipment Co., Ltd

**IVH Drive: Global Power Transmission Solutions**



**Vortex Blower Catalogue**

## About Us

IVH DRIVE was founded in 2011 and headquartered in Hangzhou, is a National High-Tech Enterprise integrating R&D, manufacturing, and sales. With over 150 employees (15% in R&D) and a 32,000 m<sup>2</sup> smart production base, the company achieves an annual turnover of 150 million RMB (with 30% from exports), maintaining steady growth. Holding prestigious international certifications such as CE, UL, and CSA, IVH DRIVE is committed to providing domestic alternatives for high-end transmission equipment, delivering high-efficiency and high-stability power solutions for the global rail traffic and industrial sectors. Our products are widely utilized in diverse industries, including smart logistics, food packaging, energy & mining, and construction machinery. To date, we have exported to 25 countries, with a business footprint spanning Europe, North America, Southeast Asia, and the Middle East, making us your trusted partner for industrial power.

**2011**

SINCE

**25+**

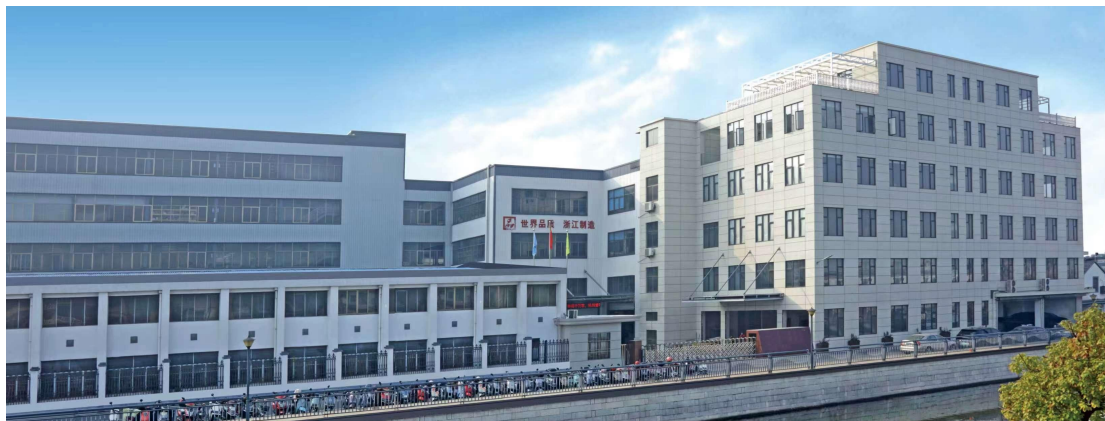
EXPORT COUNTRIES

**40+**

PRODUCT COVERAGE

**8**

FACTORIES DISTRIBUTION

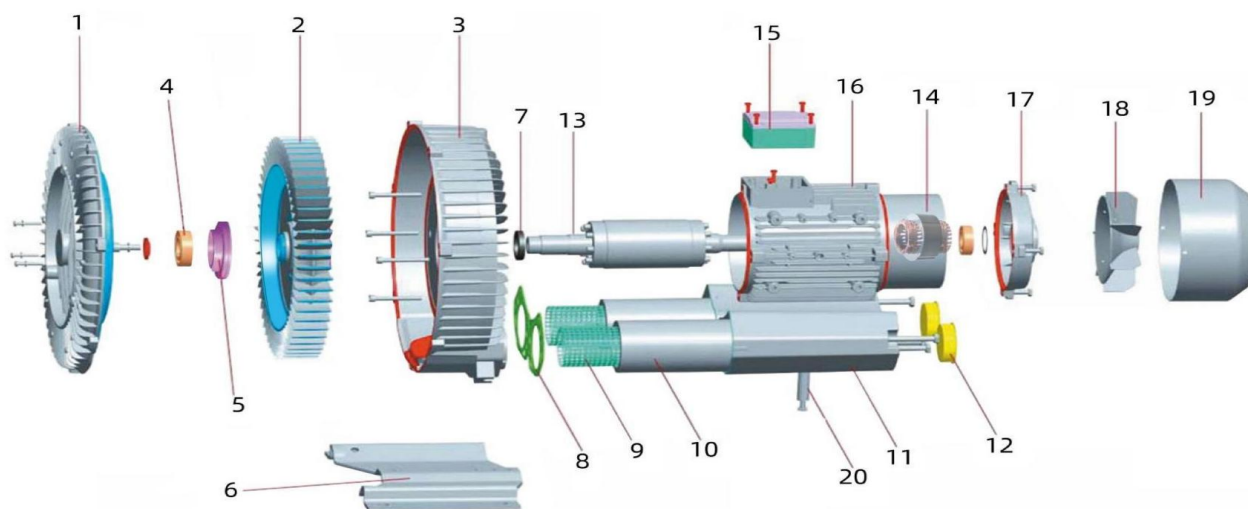


## Product Content

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## Vortex Blower Exploded View:



- 1.泵盖
- 2.叶轮
- 3.泵体
- 4.轴承
- 5.轴承座

- 6.底板
- 7.油封
- 8.垫片
- 9.消音网
- 10.消音海绵

- 11.消音管
- 12.接头 (法兰)
- 13.转子
- 14.线圈
- 15.接线盒

- 16.电机筒
- 17.电机端盖
- 18.电机风叶
- 19.电机后罩
- 20.支撑管

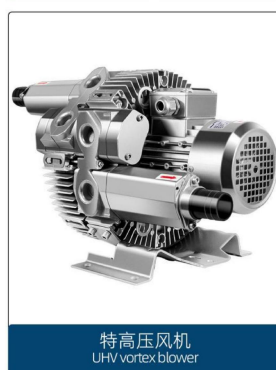
- 1.Pump Cover
- 2.Impeller
- 3.Pump Body
- 4.Bearing
- 5.Bearing Seat

- 6.Base Plate
- 7.Oil Seal
- 8.Gasket
- 9.Silencer Net
- 10.Silencer Sponge

- 11.Silencer Pipe
- 12.Connector (Flange)
- 13.Rotor
- 14.Coil
- 15.Terminal Box

- 16.Motor Cylinder
- 17.Motor End Cover
- 18.Motor Fan
- 19.Motor Back Cover
- 20.Supporting Tube

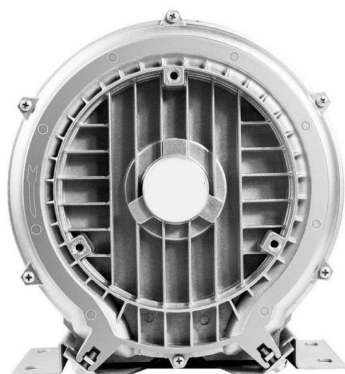
## Series Product:





## Single impeller high-pressure vortex fan 单叶轮高压旋涡风机

### HG010 / HG011



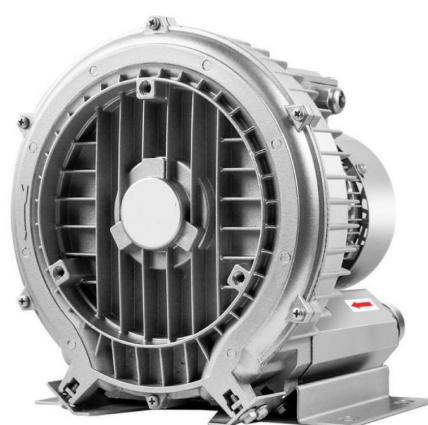
| 型号<br>Model | 频率<br>Frequency<br>(HZ) | 额定功率<br>Rated Power<br>(KW) | 额定电压<br>Rated voltage<br>(V) | 额定电流<br>Rated current<br>(A) | 最大风量<br>Max. flow<br>(m³/h) | 最大风压<br>Max.pressure<br>(Kpa) | 最大真空度<br>Max.vacuum<br>(Kpa) | 噪音<br>Noise<br>(db) | 风管口径<br>Duct caliber<br>(mm) | 毛重<br>G.W<br>(KG) | 体积<br>Packing volume<br>(CM) |
|-------------|-------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|-------------------------------|------------------------------|---------------------|------------------------------|-------------------|------------------------------|
| HG010-09AD1 | 50                      | 0.09                        | 220                          | 0.55                         | 23                          | 6.8                           | -6.0                         | < 46                | 32                           | 6.5               | 27*26.5*26.5                 |
| HG010-12AD1 | 50                      | 0.12                        | 220                          | 0.7                          | 29                          | 8                             | -7.2                         | < 46                | 32                           | 7                 | 27*26.5*26.5                 |
| HG011-18AD2 | 50                      | 0.18                        | 220                          | 1.1                          | 40                          | 9                             | -8.1                         | < 46                | 32                           | 8                 | 27.5*26.5*29                 |

注：因生产批次及打包方式不同，重量和体积可能存在浮动，建议以实际为准

Notice: Due to different production batches and packaging methods weight and volume may fluctuate, it is recommended to refer to the actual situation

## Single impeller high-pressure vortex fan 单叶轮高压旋涡风机

### HG110



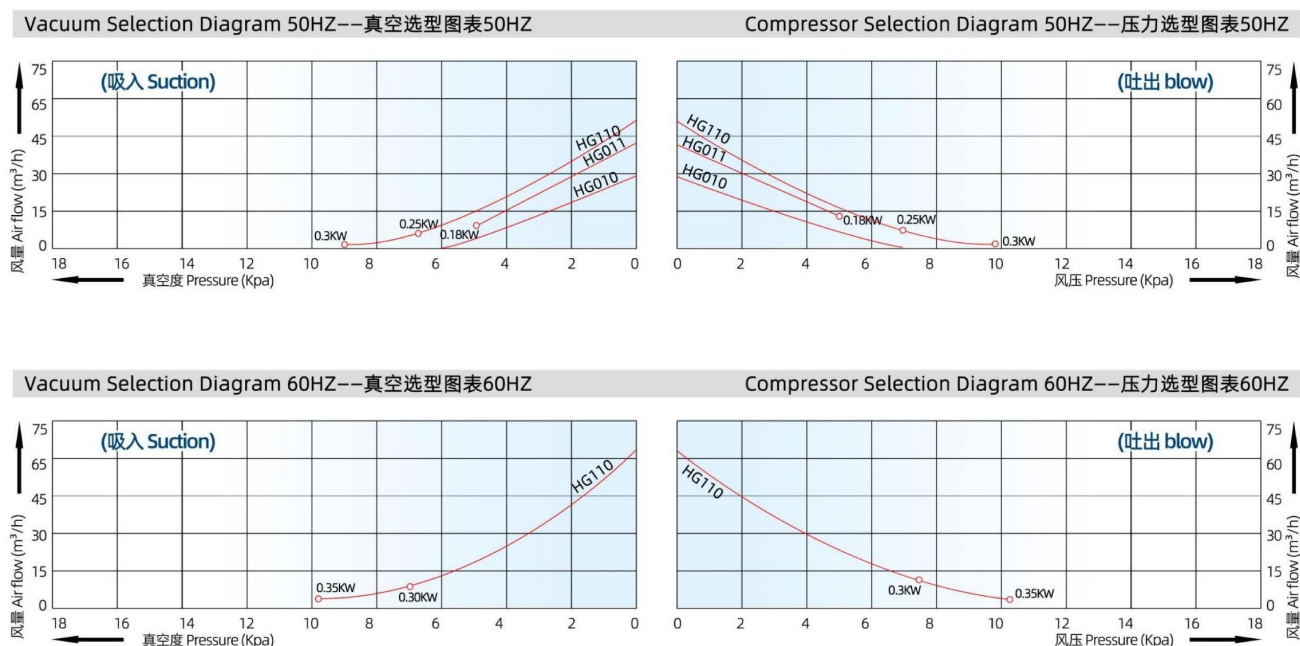
| 型号<br>Model | 频率<br>Frequency<br>(HZ) | 额定功率<br>Rated Power<br>(KW) | 额定电压<br>Rated voltage<br>(V) | 额定电流<br>Rated current<br>(A) | 最大风量<br>Max. flow<br>(m³/h) | 最大风压<br>Max.pressure<br>(Kpa) | 最大真空度<br>Max.vacuum<br>(Kpa) | 噪音<br>Noise<br>(db) | 风管口径<br>Duct caliber<br>(mm) | 毛重<br>G.W<br>(KG) | 体积<br>Packing volume<br>(CM) |
|-------------|-------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|-------------------------------|------------------------------|---------------------|------------------------------|-------------------|------------------------------|
| HG110-25AD2 | 50(60)                  | 0.25(0.3)                   | 220                          | 1.5(1.7)                     | 48(57)                      | 10.5(12)                      | -9.4(-10)                    | < 48(50)            | 40                           | 9                 | 27.5*26.5*29                 |
| HG110-25AS2 | 50(60)                  | 0.25(0.3)                   | △220,Y380                    | △1.2,Y 0.8                   | 48(57)                      | 10.5(12)                      | -9.4(-10)                    | < 48(50)            | 40                           | 9                 | 27.5*26.5*29                 |
| HG110-30AD2 | 50(60)                  | 0.30(0.35)                  | 220                          | 1.7(2.0)                     | 52(65)                      | 11(13)                        | -10(-12)                     | < 48(50)            | 40                           | 10.5              | 27.5*26.5*29                 |
| HG110-30AS2 | 50(60)                  | 0.30(0.35)                  | △220,Y380                    | △2.6,Y 1.5                   | 52(65)                      | 11.5(14)                      | -10.3(-12)                   | < 53(55)            | 40                           | 10                | 27.5*26.5*29                 |

注：因生产批次及打包方式不同，重量和体积可能存在浮动，建议以实际为准

Notice: Due to different production batches and packaging methods weight and volume may fluctuate, it is recommended to refer to the actual situation

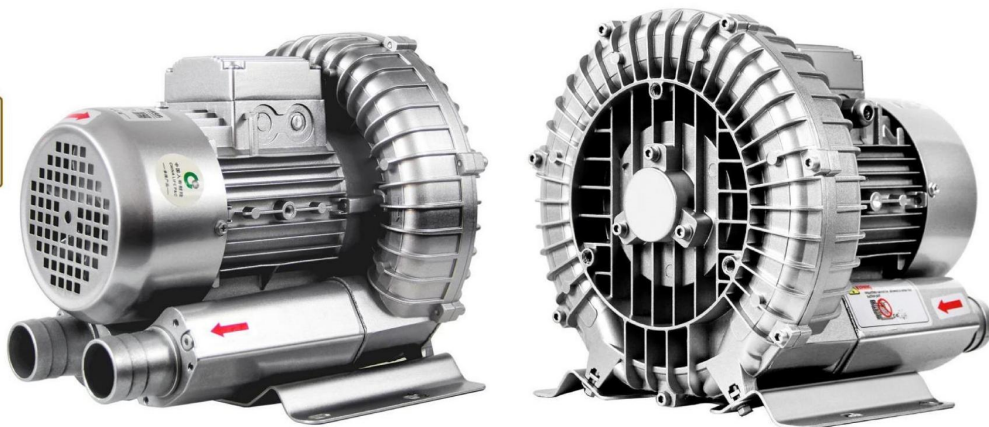
## HG010/011/110系列旋涡风机性能曲线（仅供参考不作检测依据）

Performance Curve of HG010/011/110 Series Vortex Blower (for reference only and not for testing basis)



## Single impeller high-pressure vortex fan 单叶轮高压旋涡风机

**HG210**



| 型号<br>Model | 频率<br>Frequency<br>(HZ) | 额定功率<br>Rated Power<br>(KW) | 额定电压<br>Rated voltage<br>(V) | 额定电流<br>Rated current<br>(A) | 最大风量<br>Max. flow<br>(m³/h) | 最大风压<br>Max. pressure<br>(Kpa) | 最大真空度<br>Max. vacuum<br>(Kpa) | 噪音<br>Noise<br>(db) | 风管口径<br>Duct caliber<br>(mm) | 毛重<br>G.W<br>(KG) | 体积<br>Packing volume<br>(CM) |
|-------------|-------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|--------------------------------|-------------------------------|---------------------|------------------------------|-------------------|------------------------------|
| HG210-37AD3 | 50(60)                  | 0.37(0.44)                  | 220                          | 2.1(2.4)                     | 80(98)                      | 12 (15)                        | -11 (-13)                     | < 53(55)            | 40                           | 13                | 30*27.5*31.5                 |
| HG210-37AS3 | 50(60)                  | 0.37(0.44)                  | Δ220,Y380                    | Δ2.6,Y 1.5                   | 80(98)                      | 12 (15)                        | -11 (-13)                     | < 53(55)            | 40                           | 12.5              | 30*27.5*31.5                 |
| HG210-55AD3 | 50(60)                  | 0.55(0.62)                  | 220                          | 2.9(3.4)                     | 85(98)                      | 14 (15)                        | -13 (-13)                     | < 53(56)            | 40                           | 13.5              | 30*27.5*31.5                 |
| HG210-55AS3 | 50(60)                  | 0.55(0.62)                  | Δ220,Y380                    | Δ2.8,Y 1.6<br>Δ3.0,Y 1.7     | 90(110)                     | 14 (15)                        | -13 (-13)                     | < 55(58)            | 40                           | 13                | 30*27.5*31.5                 |

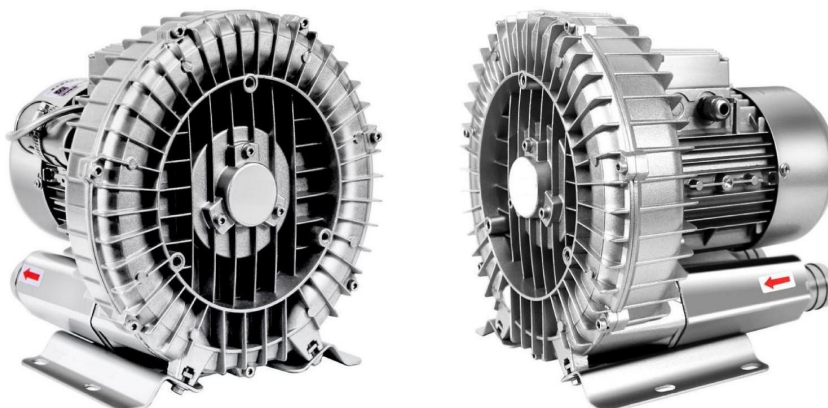
注：因生产批次及打包方式不同，重量和体积可能存在浮动，建议以实际为准

Notice: Due to different production batches and packaging methods weight and volume may fluctuate, it is recommended to refer to the actual situation



## Single impeller high-pressure vortex fan 单叶轮高压旋涡风机

### HG310



| 型号<br>Model | 频率<br>Frequency<br>(HZ) | 额定功率<br>Rated Power<br>(KW) | 额定电压<br>Rated voltage<br>(V) | 额定电流<br>Rated current<br>(A) | 最大风量<br>Max. flow<br>(m³/h) | 最大风压<br>Max.pressure<br>(Kpa) | 最大真空度<br>Max.vacuum<br>(Kpa) | 噪音<br>Noise<br>(db) | 风管口径<br>Duct caliber<br>(mm) | 毛重<br>G.W<br>(KG) | 体积<br>Packing volume<br>(CM) |
|-------------|-------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|-------------------------------|------------------------------|---------------------|------------------------------|-------------------|------------------------------|
| HG310-55AD3 | 50(60)                  | 0.55(0.62)                  | 220                          | 2.9(3.4)                     | 85(98)                      | 14(14)                        | -13(-13)                     | < 55(58)            | 40                           | 14.8              | 30*31*31.5                   |
| HG310-55AS3 | 50(60)                  | 0.55(0.62)                  | △220,Y380                    | △2.8,Y 1.6<br>△3.0,Y 1.7     | 100(120)                    | 14(14)                        | -13(-13)                     | < 55(58)            | 40                           | 14                | 30*31*31.5                   |
| HG310-75AD3 | 50(60)                  | 0.75(0.83)                  | 220                          | 3.8(4.2)                     | 110(140)                    | 18(22)                        | -15(-18)                     | < 55(58)            | 40                           | 16.5              | 35*32*34                     |
| HG310-75AS3 | 50(60)                  | 0.75(0.83)                  | △220,Y380                    | △3.8,Y 2.2<br>△3.8,Y 2.2     | 110(140)                    | 18(22)                        | -15(-18)                     | < 55(58)            | 40                           | 15.6              | 35*32*34                     |

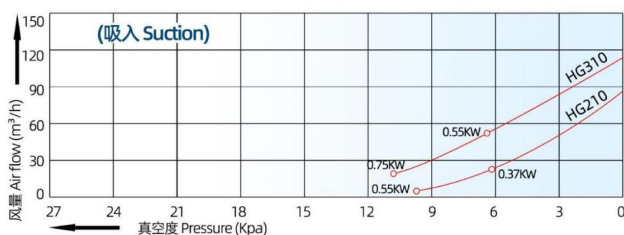
注：因生产批次及打包方式不同，重量和体积可能存在浮动，建议以实际为准

Notice: Due to different production batches and packaging methods weight and volume may fluctuate, it is recommended to refer to the actual situation

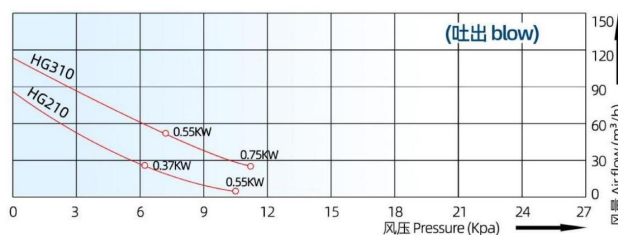
### HG210/310系列旋涡风机性能曲线（仅供参考不作检测依据）

Performance Curve of HG210/310 Series Vortex Blower (for reference only and not for testing basis)

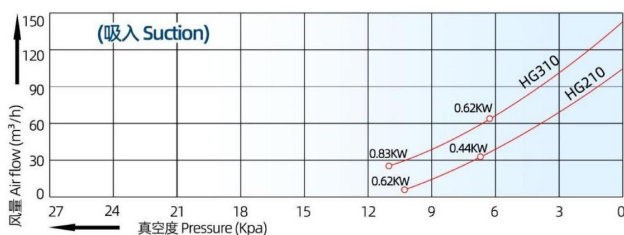
Vacuum Selection Diagram 50HZ--真空选型图表50HZ



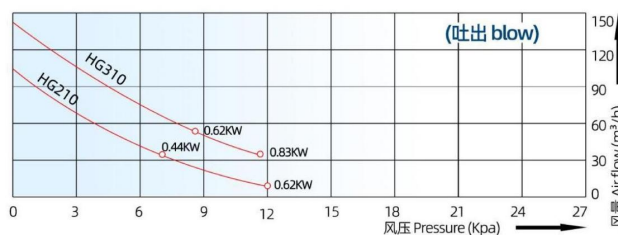
Compressor Selection Diagram 50HZ--压力选型图表50HZ



Vacuum Selection Diagram 60HZ--真空选型图表60HZ



Compressor Selection Diagram 60HZ--压力选型图表60HZ





**Single impeller high-pressure vortex fan****单叶轮高压旋涡风机****HG410**

| 型号<br>Model | 频率<br>Frequency<br>(HZ) | 额定功率<br>Rated Power<br>(KW) | 额定电压<br>Rated voltage<br>(V) | 额定电流<br>Rated current<br>(A) | 最大风量<br>Max. flow<br>(m³/h) | 最大风压<br>Max.pressure<br>(Kpa) | 最大真空度<br>Max.vacuum<br>(Kpa) | 噪音<br>Noise<br>(db) | 风管口径<br>Duct caliber<br>(mm) | 毛重<br>G.W<br>(KG) | 体积<br>Packing volume<br>(CM) |
|-------------|-------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|-------------------------------|------------------------------|---------------------|------------------------------|-------------------|------------------------------|
| HG410-75AD4 | 50(60)                  | 0.75(0.83)                  | 220                          | 4.3(4.7)                     | 145(175)                    | 21(23)                        | -20(-22)                     | < 63(64)            | 50                           | 18.75             | 35*32*34                     |
| HG410-75AS4 | 50(60)                  | 0.75(0.83)                  | △220,Y380                    | △3.8,Y 2.2<br>△3.8,Y 2.2     | 145(175)                    | 21(23)                        | -20(-22)                     | < 63(64)            | 50                           | 17.6              | 35*32*34                     |
| HG410-11BD4 | 50(60)                  | 1.1(1.25)                   | 220                          | 4.9(5.5)                     | 145(175)                    | 25(29)                        | -21(-26)                     | < 63(64)            | 60                           | 21                | 37*35*38                     |
| HG410-11BS4 | 50(60)                  | 1.1(1.25)                   | △220,Y380                    | △4.9,Y 2.8<br>△5.2,Y 3.2     | 145(175)                    | 25(29)                        | -21(-26)                     | < 63(64)            | 60                           | 20                | 37*35*38                     |

注：因生产批次及打包方式不同，重量和体积可能存在浮动，建议以实际为准

Notice: Due to different production batches and packaging methods weight and volume may fluctuate, it is recommended to refer to the actual situation

**Single impeller high-pressure vortex fan****单叶轮高压旋涡风机****HG510**

| 型号<br>Model | 频率<br>Frequency<br>(HZ) | 额定功率<br>Rated Power<br>(KW) | 额定电压<br>Rated voltage<br>(V) | 额定电流<br>Rated current<br>(A) | 最大风量<br>Max. flow<br>(m³/h) | 最大风压<br>Max.pressure<br>(Kpa) | 最大真空度<br>Max.vacuum<br>(Kpa) | 噪音<br>Noise<br>(db) | 风管口径<br>Duct caliber<br>(mm) | 毛重<br>G.W<br>(KG) | 体积<br>Packing volume<br>(CM) |
|-------------|-------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|-------------------------------|------------------------------|---------------------|------------------------------|-------------------|------------------------------|
| HG510-11BD4 | 50(60)                  | 1.1(1.25)                   | 220                          | 7.2(7.9)                     | 210(255)                    | 24(28)                        | -22(-26)                     | < 64(70)            | 60                           | 26.2              | 38*36*39.5                   |
| HG510-11BS4 | 50(60)                  | 1.1(1.25)                   | △220,Y380                    | △4.9,Y 2.8<br>△5.2,Y 3.2     | 210(255)                    | 24(28)                        | -22(-26)                     | < 64(70)            | 60                           | 24.9              | 38*36*39.5                   |
| HG510-15BD4 | 50(60)                  | 1.5(1.75)                   | 220                          | 8.6(10)                      | 210(255)                    | 27(32)                        | -24(-28)                     | < 64(70)            | 60                           | 26.75             | 38*36*39.5                   |
| HG510-15BS5 | 50(60)                  | 1.5(1.75)                   | △220,Y380                    | △6.2,Y 3.6<br>△6.9,Y 4.0     | 210(255)                    | 27(32)                        | -24(-28)                     | < 64(70)            | 60                           | 26                | 38*36*39.5                   |

注：因生产批次及打包方式不同，重量和体积可能存在浮动，建议以实际为准

Notice: Due to different production batches and packaging methods weight and volume may fluctuate, it is recommended to refer to the actual situation

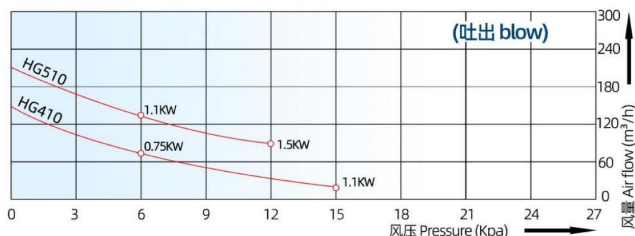
## HG410/510系列旋涡风机性能曲线（仅供参考不作检测依据）

Performance Curve of HG410/510 Series Vortex Blower (for reference only and not for testing basis)

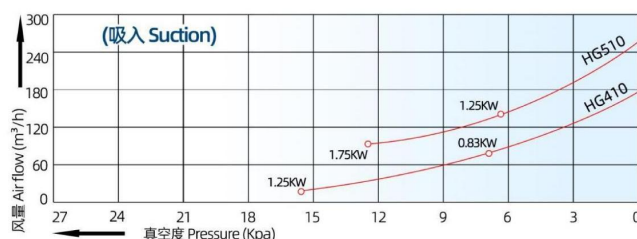
Vacuum Selection Diagram 50HZ--真空选型图表50HZ



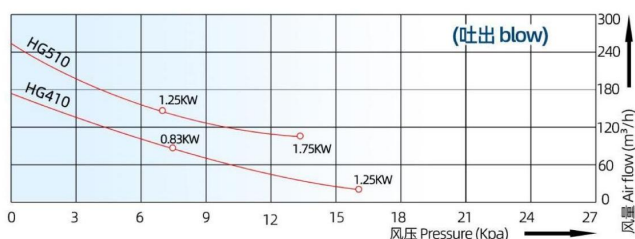
Compressor Selection Diagram 50HZ--压力选型图表50HZ



Vacuum Selection Diagram 60HZ--真空选型图表60HZ



Compressor Selection Diagram 60HZ--压力选型图表60HZ



## Single impeller high-pressure vortex fan 单叶轮高压旋涡风机

**HG530**



| 型号<br>Model | 频率<br>Frequency<br>(HZ) | 额定功率<br>Rated Power<br>(KW) | 额定电压<br>Rated voltage<br>(V) | 额定电流<br>Rated current<br>(A) | 最大风量<br>Max. flow<br>(m³/h) | 最大风压<br>Max.pressure<br>(Kpa) | 最大真空度<br>Max.vacuum<br>(Kpa) | 噪音<br>Noise<br>(db) | 风管口径<br>Duct caliber<br>(mm) | 毛重<br>G.W<br>(KG) | 体积<br>Packing volume<br>(CM) |
|-------------|-------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|-------------------------------|------------------------------|---------------------|------------------------------|-------------------|------------------------------|
| HG530-11B04 | 50(60)                  | 1.1(1.25)                   | 220                          | 7.2(7.9)                     | 270(330)                    | 17(18)                        | -17(-18)                     | <64(70)             | 60                           | 26.2              | 38*36*39.5                   |
| HG530-11B54 | 50(60)                  | 1.1(1.25)                   | Δ220,Y380                    | Δ4.9,Y 2.8<br>Δ5.2,Y 3.2     | 270(330)                    | 17(18)                        | -17(-18)                     | <64(70)             | 60                           | 24.9              | 38*36*39.5                   |
| HG530-15B55 | 50(60)                  | 1.5(1.75)                   | 220                          | 8.6(10)                      | 270(330)                    | 22(23)                        | -22(-23)                     | <64(70)             | 60                           | 26.75             | 38*36*39.5                   |
| HG530-15B55 | 50(60)                  | 1.5(1.75)                   | Δ220,Y380                    | Δ6.2,Y 3.6<br>Δ6.9,Y 4.0     | 270(330)                    | 22(23)                        | -22(-23)                     | <64(70)             | 60                           | 26                | 38*36*39.5                   |
| HG530-22B05 | 50(60)                  | 2.2(2.55)                   | 220                          | 12(13.5)                     | 270(330)                    | 30(35)                        | -28(-33)                     | <65(72)             | 60                           | 30                | 40*38*39.5                   |
| HG530-22B55 | 50(60)                  | 2.2(2.55)                   | Δ220,Y380                    | Δ8.9,Y 5.2<br>Δ10.3,Y 6.5    | 270(330)                    | 30(35)                        | -28(-33)                     | <65(72)             | 60                           | 28.5              | 40*38*39.5                   |

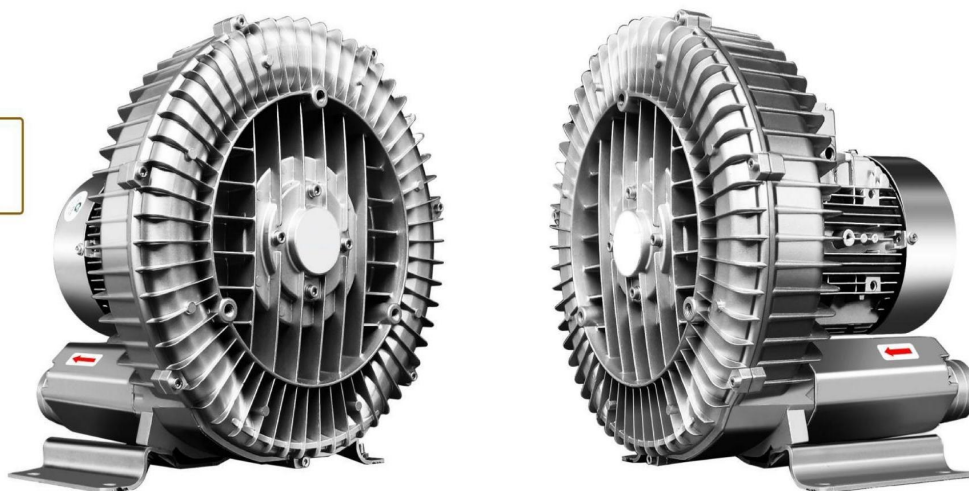
注：因生产批次及打包方式不同，重量和体积可能存在浮动，建议以实际为准

Notice: Due to different production batches and packaging methods weight and volume may fluctuate, it is recommended to refer to the actual situation



## Single impeller high-pressure vortex fan 单叶轮高压旋涡风机

### HG610



| 型号<br>Model | 频率<br>Frequency | 额定功率<br>Rated Power | 额定电压<br>Rated voltage | 额定电流<br>Rated current     | 最大风量<br>Max. flow | 最大风压<br>Max.pressure | 最大真空度<br>Max.vacuum | 噪音<br>Noise | 风管口径<br>Duct caliber | 毛重<br>G.W | 体积<br>Packing volume |
|-------------|-----------------|---------------------|-----------------------|---------------------------|-------------------|----------------------|---------------------|-------------|----------------------|-----------|----------------------|
|             | (HZ)            | (KW)                | (V)                   | (A)                       | (m³/h)            | (Kpa)                | (Kpa)               | (db)        | (mm)                 | (KG)      | (CM)                 |
| HG610-15BD5 | 50(60)          | 1.5(1.75)           | 220                   | 11.6(14)                  | 220(255)          | 28(33)               | -24(-29)            | < 69(70)    | 60                   | 31        | 41*41*43             |
| HG610-15B55 | 50(60)          | 1.5(1.75)           | Δ220,Y380             | Δ8.6,Y 4.9<br>Δ8.8,Y 5.1  | 220(255)          | 28(33)               | -24(-29)            | < 69(70)    | 60                   | 30.5      | 41*41*43             |
| HG610-22BD5 | 50(60)          | 2.2(2.55)           | 220                   | 12.5(15)                  | 230(275)          | 30(36)               | -27(-32)            | < 69(72)    | 60                   | 31.5      | 41*41*43             |
| HG610-22B55 | 50(60)          | 2.2(2.55)           | Δ220,Y380             | Δ8.9,Y 5.2<br>Δ10.3,Y 6.5 | 230(275)          | 30(36)               | -27(-32)            | < 69(72)    | 60                   | 31        | 41*41*43             |

注：因生产批次及打包方式不同，重量和体积可能存在浮动，建议以实际为准

Notice: Due to different production batches and packaging methods weight and volume may fluctuate, it is recommended to refer to the actual situation

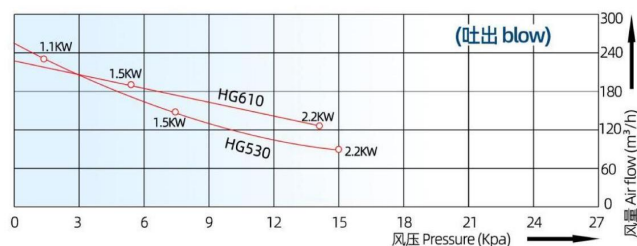
### HG530/610系列旋涡风机性能曲线（仅供参考不作检测依据）

Performance Curve of HG530/610 Series Vortex Blower (for reference only and not for testing basis)

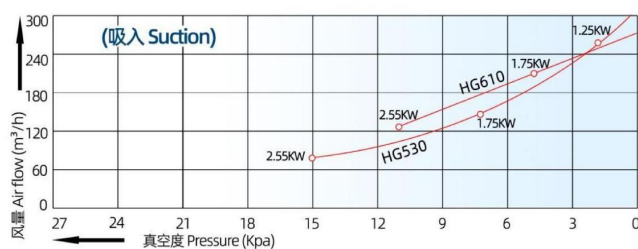
Vacuum Selection Diagram 50HZ--真空选型图表50HZ



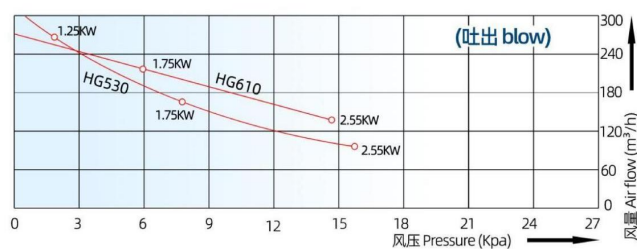
Compressor Selection Diagram 50HZ--压力选型图表50HZ



Vacuum Selection Diagram 60HZ--真空选型图表60HZ



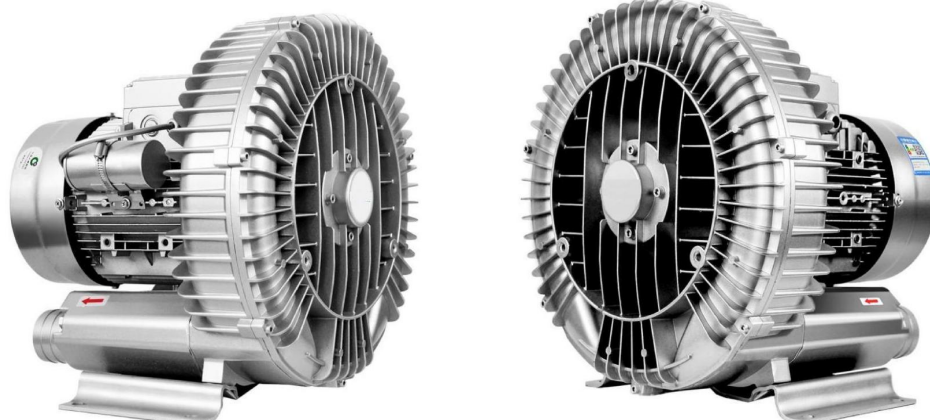
Compressor Selection Diagram 60HZ--压力选型图表60HZ





## Single impeller high-pressure vortex fan 单叶轮高压旋涡风机

### HG710



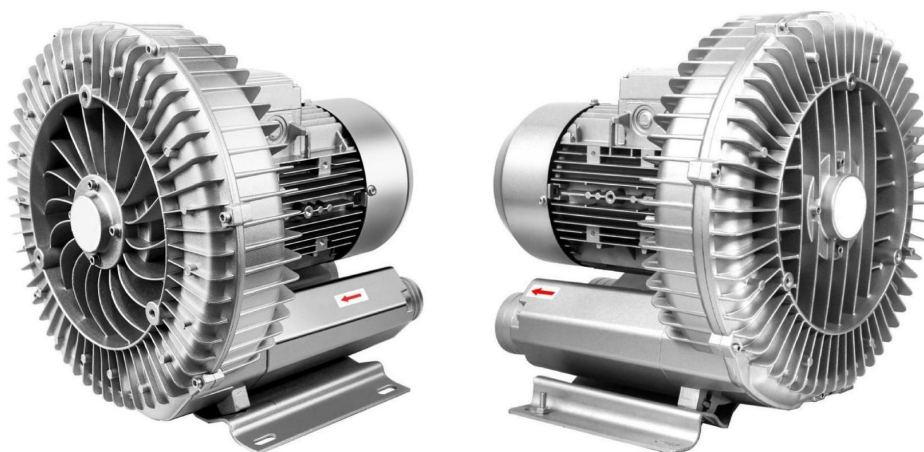
| 型号<br>Model | 频率<br>Frequency<br>(HZ) | 额定功率<br>Rated Power<br>(KW) | 额定电压<br>Rated voltage<br>(V) | 额定电流<br>Rated current<br>(A) | 最大风量<br>Max. flow<br>(m³/h) | 最大风压<br>Max. pressure<br>(Kpa) | 最大真空度<br>Max. vacuum<br>(Kpa) | 噪音<br>Noise<br>(db) | 风管口径<br>Duct caliber<br>(mm) | 毛重<br>G.W<br>(KG) | 体积<br>Packing volume<br>(CM) |
|-------------|-------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|--------------------------------|-------------------------------|---------------------|------------------------------|-------------------|------------------------------|
| HG710-22BD6 | 50(60)                  | 2.2(2.55)                   | 220                          | 12.5(15)                     | 260(290)                    | 36(42)                         | -33(-38)                      | < 69(72)            | 60                           | 39.2              | 46.5*43.5*45.5               |
| HG710-22BS6 | 50(60)                  | 2.2(2.55)                   | △ 220, Y380                  | △ 8.9, Y5.2<br>△ 10.3, Y6.5  | 318(376)                    | 36(42)                         | -33(-38)                      | < 69(72)            | 60                           | 38                | 46.5*43.5*45.5               |
| HG710-30BD6 | 50(60)                  | 3.0(3.45)                   | 220                          | 13.5(16)                     | 318(376)                    | 38(45)                         | -35(-40)                      | < 69(73)            | 60                           | 40                | 47*44*46                     |
| HG710-30BS6 | 50(60)                  | 3.0(3.45)                   | △ 220, Y380                  | △ 12.2, Y7.3<br>△ 14, Y8.1   | 318(376)                    | 38(45)                         | -35(-40)                      | < 69(73)            | 60                           | 39.4              | 47*44*46                     |
| HG710-40BS6 | 50(60)                  | 4.0(4.6)                    | △ 380, Y660                  | △ 9.3, Y5.4<br>△ 10.8, Y5.5  | 380(455)                    | 42(50)                         | -35(-40)                      | < 70(73)            | 60                           | 54                | 49*46*48.5                   |

注：因生产批次及打包方式不同，重量和体积可能存在浮动，建议以实际为准

Notice: Due to different production batches and packaging methods weight and volume may fluctuate, it is recommended to refer to the actual situation

## Single impeller high-pressure vortex fan 单叶轮高压旋涡风机

### HG711 / HG750



| 型号<br>Model | 频率<br>Frequency<br>(HZ) | 额定功率<br>Rated Power<br>(KW) | 额定电压<br>Rated voltage<br>(V) | 额定电流<br>Rated current<br>(A) | 最大风量<br>Max. flow<br>(m³/h) | 最大风压<br>Max. pressure<br>(Kpa) | 最大真空度<br>Max. vacuum<br>(Kpa) | 噪音<br>Noise<br>(db) | 风管口径<br>Duct caliber<br>(mm) | 毛重<br>G.W<br>(KG) | 体积<br>Packing volume<br>(CM) |
|-------------|-------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|--------------------------------|-------------------------------|---------------------|------------------------------|-------------------|------------------------------|
| HG711-38BS7 | 50(60)                  | 3.8(4.3)                    | △ 220, Y380                  | △ 15.5, Y9<br>△ 17.5, Y10.2  | 400(450)                    | 38(45)                         | -38(-35)                      | < 70(73)            | 60                           | 43.4              | 56*49.5*54                   |
| HG750-40CS8 | 50(60)                  | 4.0(4.6)                    | △ 380, Y660                  | △ 9, Y5.2<br>△ 9.4, Y5.2     | 420(500)                    | 45(50)                         | -41(-40)                      | < 70(73)            | 75                           | 47.5              | 58*51*56                     |

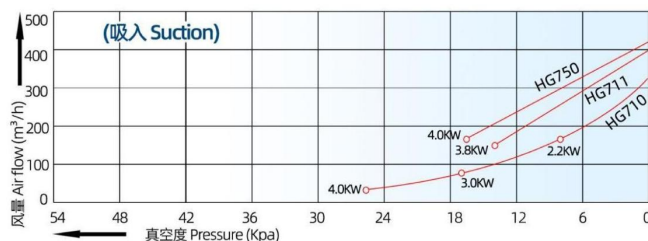
注：因生产批次及打包方式不同，重量和体积可能存在浮动，建议以实际为准

Notice: Due to different production batches and packaging methods weight and volume may fluctuate, it is recommended to refer to the actual situation

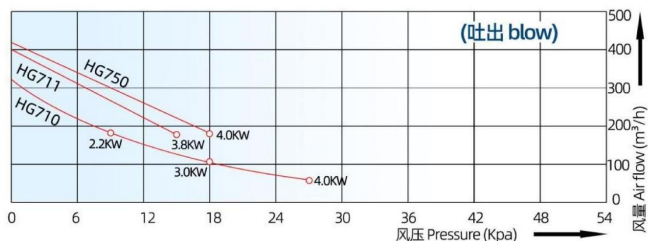
## HG710/711/750系列旋涡风机性能曲线（仅供参考不作检测依据）

Performance Curve of HG710/ 711 / 750 Series Vortex Blower (for reference only and not for testing basis)

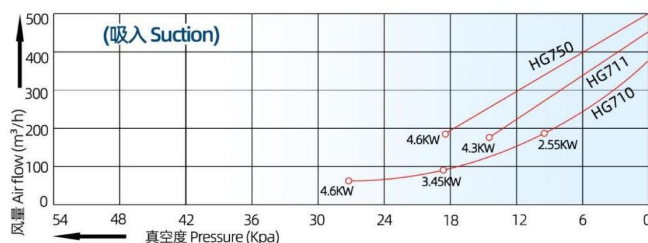
Vacuum Selection Diagram 50HZ--真空选型图表50HZ



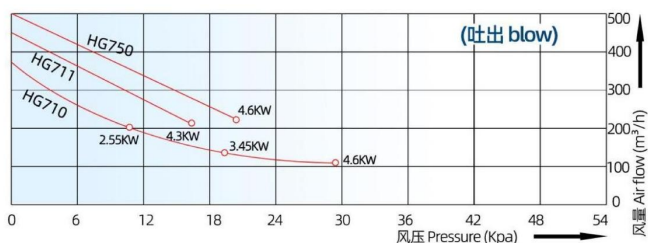
Compressor Selection Diagram 50HZ--压力选型图表50HZ



Vacuum Selection Diagram 60HZ--真空选型图表60HZ



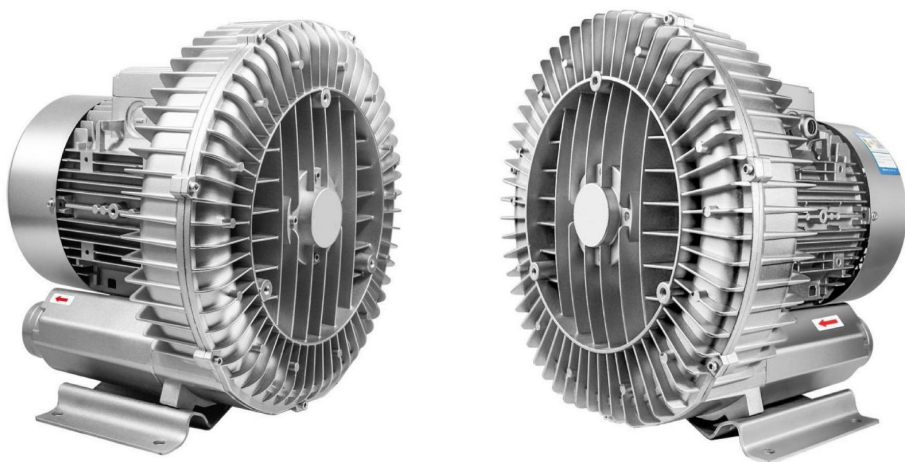
Compressor Selection Diagram 60HZ--压力选型图表60HZ



## Single impeller high-pressure vortex fan

### 单叶轮高压旋涡风机

HG810 / HG830



| 型号<br>Model | 频率<br>Frequency<br>(HZ) | 额定功率<br>Rated Power<br>(KW) | 额定电压<br>Rated voltage<br>(V) | 额定电流<br>Rated current<br>(A) | 最大风量<br>Max. flow<br>(m³/h) | 最大风压<br>Max.pressure<br>(Kpa) | 最大真空度<br>Max.vacuum<br>(Kpa) | 噪音<br>Noise<br>(db) | 风管口径<br>Duct caliber<br>(mm) | 毛重<br>G.W<br>(KG) | 体积<br>Packing volume<br>(CM) |
|-------------|-------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|-------------------------------|------------------------------|---------------------|------------------------------|-------------------|------------------------------|
| HG810-43CS9 | 50(60)                  | 4.3(4.6)                    | △380,Y660                    | △9.5,Y 5.5<br>△9.5,Y 5.5     | 500(580)                    | 40(36)                        | -40(-36)                     | <75(78)             | 75                           | 60                | 50*50*52.5                   |
| HG810-55CS9 | 50(60)                  | 5.5(6.3)                    | △380,Y660                    | △12.9,Y 7.4<br>△12.9,Y 7.45  | 500(580)                    | 50(57)                        | -48(-53)                     | <80(82)             | 75                           | 69.5              | 50*50*52.5                   |
| HG810-75CS9 | 50(60)                  | 7.5(8.6)                    | △380,Y660                    | △16.7,Y 9.6<br>△17.3,Y 10    | 520(610)                    | 56(63)                        | -51(-55)                     | <80(82)             | 75                           | 71.5              | 50*50*52.5                   |
| HG830-55CS9 | 50(60)                  | 5.5(6.3)                    | △380,Y660                    | △12.9,Y 7.4<br>△12.9,Y 7.45  | 620(740)                    | 38(38)                        | -38(-36)                     | <75(78)             | 75                           | 71.5              | 50*50*52.5                   |
| HG830-75CS9 | 50(60)                  | 7.5(8.6)                    | △380,Y660                    | △16.7,Y 9.6<br>△17.3,Y 10    | 650(740)                    | 45(45)                        | -45(-45)                     | <75(78)             | 75                           | 74.5              | 50*50*52.5                   |

注：因生产批次及打包方式不同，重量和体积可能存在浮动，建议以实际为准

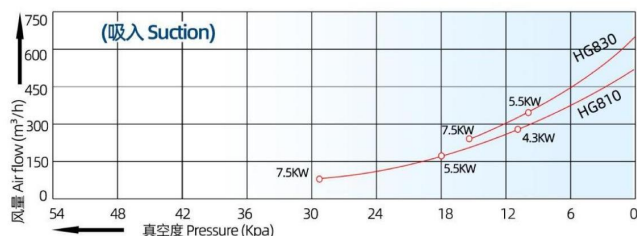
Notice: Due to different production batches and packaging methods weight and volume may fluctuate, it is recommended to refer to the actual situation



## HG810/830系列旋涡风机性能曲线（仅供参考不作检测依据）

Performance Curve of HG810/830 Series Vortex Blower (for reference only and not for testing basis)

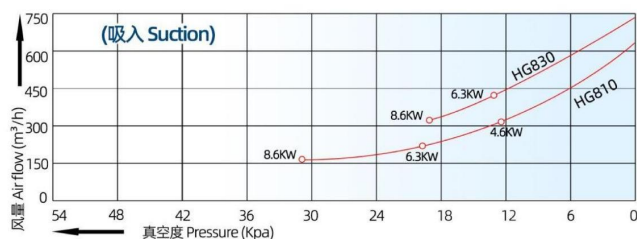
Vacuum Selection Diagram 50HZ--真空选型图表50HZ



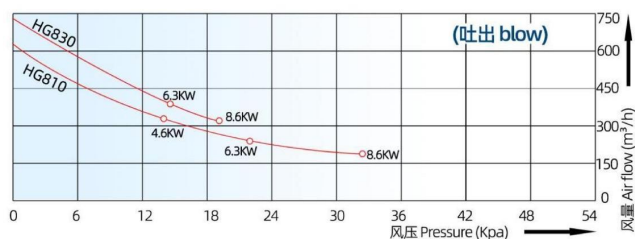
Compressor Selection Diagram 50HZ--压力选型图表50HZ



Vacuum Selection Diagram 60HZ--真空选型图表60HZ



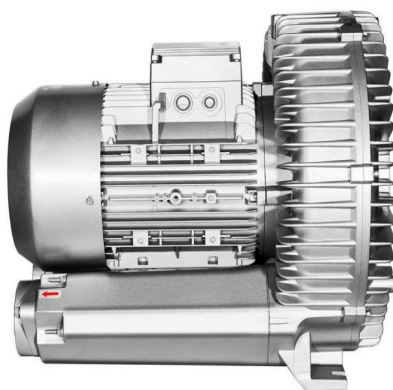
Compressor Selection Diagram 60HZ--压力选型图表60HZ



## Single impeller high-pressure vortex fan

### 单叶轮高压旋涡风机

HG910



| 型号<br>Model  | 频率<br>Frequency | 额定功率<br>Rated Power | 额定电压<br>Rated voltage | 额定电流<br>Rated current  | 最大风量<br>Max. flow | 最大风压<br>Max. pressure | 最大真空度<br>Max. vacuum | 噪音<br>Noise | 风管口径<br>Duct caliber | 毛重<br>G.W | 体积<br>Packing volume |
|--------------|-----------------|---------------------|-----------------------|------------------------|-------------------|-----------------------|----------------------|-------------|----------------------|-----------|----------------------|
|              | (HZ)            | (KW)                | (V)                   | (A)                    | (m³/h)            | (Kpa)                 | (Kpa)                | (db)        | (mm)                 | (KG)      | (CM)                 |
| HG910-90CS9  | 50(60)          | 9(10.3)             | △380,Y660             | △21,Y12.2<br>△23,Y13   | 1050(1250)        | 58(68)                | -53(-62)             | < 75        | 115                  | 120       | 69.5*59*71           |
| HG910-110CSA | 50(60)          | 11(12.6)            | △380,Y660             | △28,Y16.2<br>△29,Y16.7 | 1100(1300)        | 62(72)                | -55(-66)             | < 75        | 115                  | 148       | 69.5*59*71           |
| HG910-150CSA | 50(60)          | 15(17.3)            | △380,Y660             | △33,Y20<br>△37,Y22     | 1150(1350)        | 70(82)                | -62(-73)             | < 75        | 115                  | 153       | 69.5*59*71           |
| HG910-185CSA | 50(60)          | 18.5(21.3)          | △380,Y660             | △41,Y25<br>△47,Y27     | 1200(1400)        | 75(89)                | -67(-78)             | < 75        | 115                  | 163       | 69.5*59*71           |

注：因生产批次及打包方式不同，重量和体积可能存在浮动，建议以实际为准

Notice: Due to different production batches and packaging methods weight and volume may fluctuate, it is recommended to refer to the actual situation



## Single impeller high-pressure vortex fan 单叶轮高压旋涡风机

### HG930



| 型号<br>Model  | 频率<br>Frequency<br>(HZ) | 额定功率<br>Rated Power<br>(KW) | 额定电压<br>Rated voltage<br>(V) | 额定电流<br>Rated current<br>(A) | 最大风量<br>Max. flow<br>(m³/h) | 最大风压<br>Max.pressure<br>(Kpa) | 最大真空度<br>Max.vacuum<br>(Kpa) | 噪音<br>Noise<br>(db) | 风管口径<br>Duct caliber<br>(mm) | 毛重<br>G.W<br>(KG) | 体积<br>Packing volume<br>(CM) |
|--------------|-------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|-------------------------------|------------------------------|---------------------|------------------------------|-------------------|------------------------------|
| HG930-90CSA  | 50(60)                  | 9(10.3)                     | △380,Y660                    | △21,Y12.2<br>△23,Y13         | 1370(1650)                  | 25(28)                        | -26(-28)                     | < 75(80)            | 115                          | 120               | 69.5*59*71                   |
| HG930-110CSA | 50(60)                  | 11(12.6)                    | △380,Y660                    | △28,Y16.2<br>△29,Y16.7       | 1370(1650)                  | 28(26)                        | -28(-27)                     | < 75(80)            | 115                          | 148               | 69.5*59*71                   |
| HG930-125CSA | 50(60)                  | 12.5(14.5)                  | △380,Y660                    | △31,Y16.2<br>△32,Y17.1       | 1370(1650)                  | 32(32)                        | -33(-32)                     | < 75(80)            | 115                          | 148               | 69.5*59*71                   |
| HG930-150CSA | 50(60)                  | 15(17.3)                    | △380,Y660                    | △33,Y20<br>△37,Y22           | 1370(1650)                  | 50(52)                        | -48(-49)                     | < 75(80)            | 115                          | 153               | 69.5*59*71                   |
| HG930-185CSA | 50(60)                  | 18.5(21.3)                  | △380,Y660                    | △41,Y25<br>△47,Y27           | 1370(1650)                  | 62(56)                        | -60(-58)                     | < 75(80)            | 115                          | 163               | 69.5*59*71                   |

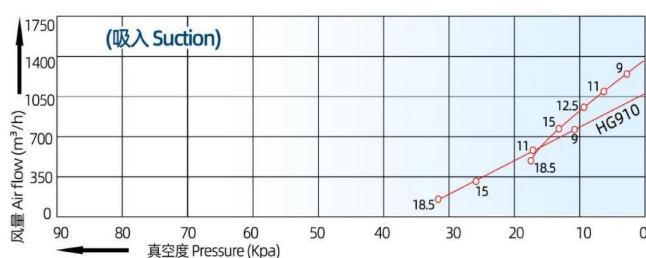
注：因生产批次及打包方式不同，重量和体积可能存在浮动，建议以实际为准

Notice: Due to different production batches and packaging methods weight and volume may fluctuate, it is recommended to refer to the actual situation

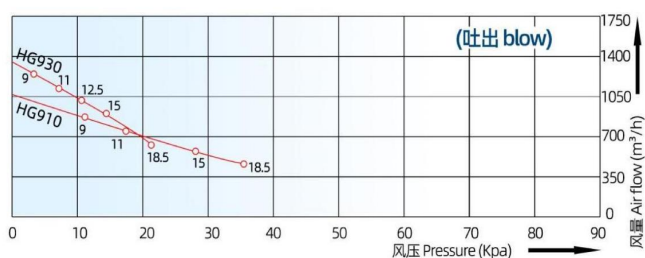
### HG910/930系列旋涡风机性能曲线（仅供参考不作检测依据）

Performance Curve of HG910/930 Series Vortex Blower (for reference only and not for testing basis)

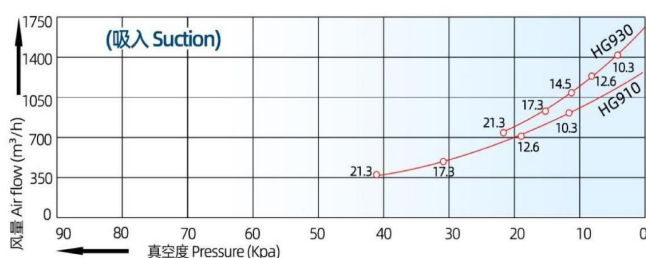
Vacuum Selection Diagram 50HZ--真空选型图表50HZ



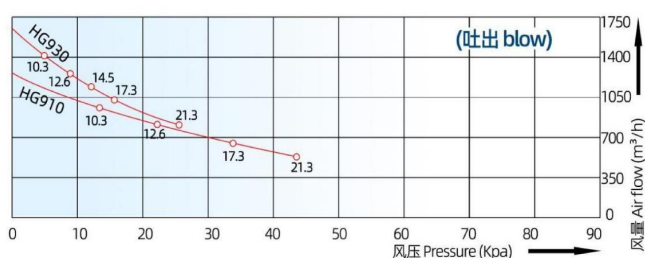
Compressor Selection Diagram 50HZ--压力选型图表50HZ



Vacuum Selection Diagram 60HZ--真空选型图表60HZ



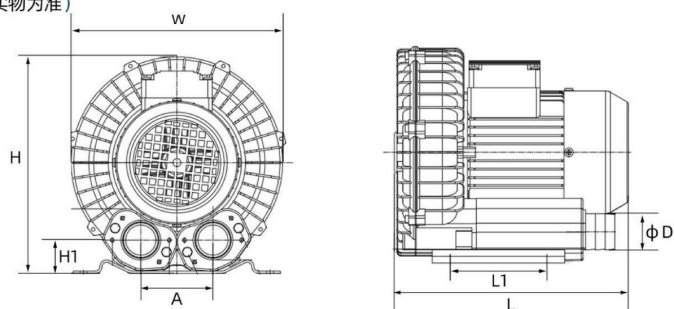
Compressor Selection Diagram 60HZ--压力选型图表60HZ



## HG单叶轮系列风机尺寸图 (手工测量有误差, 仅供参考, 建议以实物为准)

Dimension Diagram (for reference only)

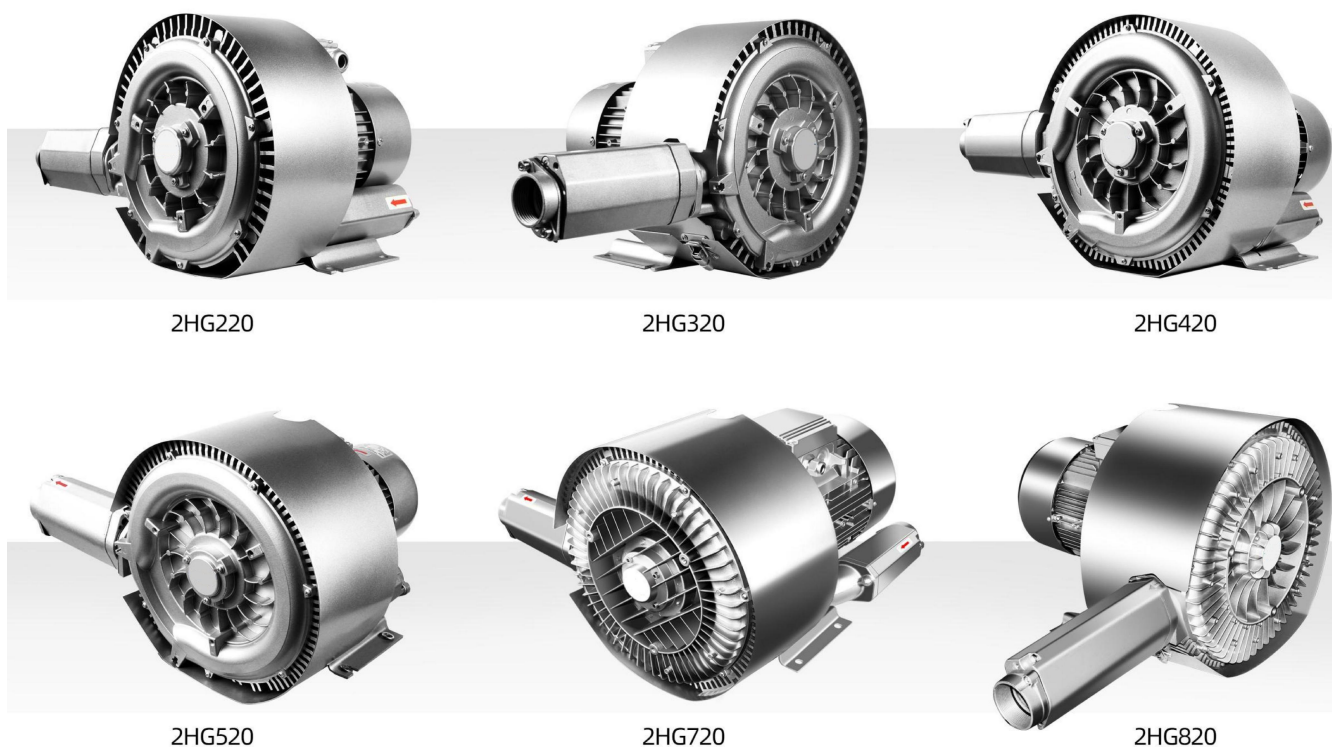
H = 风机高度 (H=height)  
W = 风机宽度 (W=width)  
L = 风机长度 (L=Length)  
L1 = 底座侧面安装中心距  
(L1=Side mounting center distance)



| 型号<br>Model    | 尺寸 Size (mm) |     |     |     |     |    |     |
|----------------|--------------|-----|-----|-----|-----|----|-----|
|                | L            | W   | H   | A   | D   | H1 | L1  |
| HG010-12AD1    | 210          | 200 | 223 | 73  | 32  | 36 | 80  |
| HG011-18AD2    | 233          | 220 | 243 | 82  | 32  | 31 | 80  |
| HG110-25AD2    | 247          | 230 | 247 | 87  | 40  | 36 | 80  |
| HG110-30AD/AS3 | 260          | 238 | 246 | 88  | 40  | 36 | 83  |
| HG210-37AD/AS3 | 260          | 238 | 246 | 88  | 40  | 40 | 83  |
| HG310-55AD/AS3 | 275          | 263 | 272 | 92  | 40  | 40 | 83  |
| HG410-75AD/AS4 | 302          | 287 | 305 | 113 | 50  | 48 | 96  |
| HG510-11BD/BS4 | 320          | 328 | 338 | 120 | 60  | 48 | 140 |
| HG510-15BD/BS4 | 360          | 328 | 338 | 120 | 60  | 48 | 140 |
| HG610-22BD/BS5 | 348          | 350 | 370 | 124 | 60  | 58 | 140 |
| HG710-22BS6    | 415          | 365 | 390 | 126 | 60  | 60 | 140 |
| HG710-30BS6    | 415          | 365 | 390 | 126 | 60  | 60 | 140 |
| HG710-40BS6    | 448          | 375 | 400 | 126 | 60  | 60 | 140 |
| HG711-38BS6    | 430          | 400 | 430 | 135 | 60  | 60 | 207 |
| HG750-40BS6    | 440          | 408 | 450 | 140 | 75  | 75 | 207 |
| HG810-55CS9    | 470          | 445 | 466 | 145 | 75  | 65 | 172 |
| HG810-75CS9    | 470          | 445 | 466 | 145 | 75  | 65 | 172 |
| HG910-90CS9    | 644          | 535 | 565 | 207 | 115 | 89 | 543 |
| HG910-110CSA   | 658          | 535 | 565 | 207 | 115 | 89 | 543 |
| HG910-150CSA   | 658          | 535 | 565 | 207 | 115 | 89 | 543 |
| HG910-185CSA   | 658          | 535 | 565 | 207 | 115 | 89 | 543 |

## Double Stage Vortex Blower

双叶轮旋涡风机系列





## Double impeller high-pressure vortex fan 双叶轮高压旋涡风机

注：因生产批次及打包方式不同，重量和体积可能存在浮动，建议以实际为准

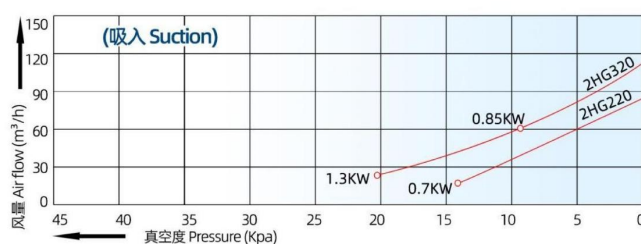
Notice: Due to different production batches and packaging methods weight and volume may fluctuate, it is recommended to refer to the actual situation

| 型号<br>Model  | 频率<br>Frequency<br>(HZ) | 额定功率<br>Rated Power<br>(KW) | 额定电压<br>Rated voltage<br>(V) | 额定电流<br>Rated current<br>(A) | 最大风量<br>Max. flow<br>(m³/h) | 最大风压<br>Max. pressure<br>(Kpa) | 最大真空度<br>Max. vacuum<br>(Kpa) | 噪音<br>Noise<br>(db) | 风管口径<br>Duct caliber<br>(mm) | 毛重<br>G.W<br>(KG) |
|--------------|-------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|--------------------------------|-------------------------------|---------------------|------------------------------|-------------------|
| 2HG220-70AD  | 50                      | 0.7                         | 220-240V                     | 4.5                          | 88                          | 24                             | -21                           | <55                 | 40                           | 20                |
|              | 60                      | 0.83                        | 220-240V                     | 5.6                          | 103                         | 25                             | -25                           | <61                 | 40                           | 20                |
| 2HG220-70AS  | 50                      | 0.7                         | 200-240Δ                     | 3.8Δ 2.2Y                    | 88                          | 24                             | -21                           | <55                 | 40                           | 20                |
|              | 60                      | 0.83                        | 220-275Δ                     | 3.75Δ 2.15Y                  | 102                         | 25                             | -25                           | <61                 | 40                           | 20                |
| 2HG320-85AS  | 50                      | 0.85                        | 200-240Δ                     | 4.2Δ 2.4Y                    | 110                         | 23                             | -20                           | <58                 | 40                           | 22                |
|              | 60                      | 0.95                        | 220-275Δ                     | 4.0Δ 2.3Y                    | 130                         | 24                             | -24                           | <61                 | 40                           | 22                |
| 2HG320-13BS  | 50                      | 1.3                         | 200-240Δ                     | 5.7Δ 3.3Y                    | 110                         | 29                             | -28                           | <58                 | 40                           | 24                |
|              | 60                      | 1.5                         | 220-275Δ                     | 6.0Δ 3.5Y                    | 130                         | 40                             | -30                           | <60                 | 40                           | 24                |
| 2HG420-15BD  | 50                      | 1.5                         | 220-240V                     | 9                            | 150                         | 26                             | -26                           | <66                 | 50                           | 34                |
|              | 60                      | 1.75                        | 220-240V                     | 9.5                          | 180                         | 29                             | -30                           | <69                 | 50                           | 34                |
| 2HG420-22BD  | 50                      | 2.2                         | 220-240V                     | 10                           | 150                         | 26.5                           | -26.5                         | <66                 | 50                           | 36                |
|              | 60                      | 2.55                        | 220-240V                     | 11                           | 180                         | 29                             | -30                           | <69                 | 50                           | 36                |
| 2HG420-16BS  | 50                      | 1.6                         | 200-240Δ                     | 7.5Δ 4.3Y                    | 150                         | 28                             | -28                           | <66                 | 50                           | 32                |
|              | 60                      | 2.1                         | 220-275Δ                     | 7.6Δ 4.4Y                    | 180                         | 31                             | -32                           | <69                 | 50                           | 32                |
| 2HG420-22BS  | 50                      | 2.2                         | 200-240Δ                     | 9.7Δ 5.6Y                    | 150                         | 42                             | -33                           | <66                 | 50                           | 34                |
|              | 60                      | 2.55                        | 220-275Δ                     | 10Δ 5.8Y                     | 180                         | 44                             | -35                           | <69                 | 50                           | 34                |
| 2HG520-22BD  | 50                      | 2.2                         | 220-240V                     | 11                           | 230                         | 33                             | -31                           | <72                 | 60                           | 46                |
|              | 60                      | 2.55                        | 220-240V                     | 12                           | 275                         | 35                             | -33                           | <74                 | 60                           | 46                |
| 2HG520-22BS  | 50                      | 2.2                         | 200-240Δ                     | 9.7Δ 5.6Y                    | 230                         | 38                             | -30                           | <72                 | 60                           | 45                |
|              | 60                      | 2.55                        | 220-275Δ                     | 10.3Δ 6.0Y                   | 275                         | 39                             | -35                           | <74                 | 60                           | 45                |
| 2HG520-30BS  | 50                      | 3.0                         | 200-240Δ                     | 12.5Δ 7.2Y                   | 230                         | 41                             | -34                           | <72                 | 60                           | 50                |
|              | 60                      | 3.45                        | 220-275Δ                     | 12.5Δ 7.3Y                   | 275                         | 36                             | -38                           | <74                 | 60                           | 50                |
| 2HG520-40CS  | 50                      | 4.0                         | 345-415Δ                     | 10Δ 5.8Y                     | 230                         | 49                             | -39                           | <72                 | 60                           | 54                |
|              | 60                      | 4.6                         | 380-480Δ                     | 9.9Δ 5.7Y                    | 275                         | 48                             | -41                           | <74                 | 60                           | 54                |
| 2HG720-43CS  | 50                      | 4.3                         | 345-415Δ                     | 10Δ 5.2Y                     | 320                         | 38                             | -36                           | <73                 | 60                           | 68                |
|              | 60                      | 4.8                         | 380-480Δ                     | 10.4Δ 6.0Y                   | 380                         | 40                             | -37                           | <76                 | 60                           | 68                |
| 2HG720-55CS  | 50                      | 5.5                         | 345-415Δ                     | 13.3Δ 7.7Y                   | 320                         | 50                             | -44                           | <73                 | 60                           | 78                |
|              | 60                      | 6.3                         | 380-480Δ                     | 14.9Δ 8.62Y                  | 385                         | 52                             | -45                           | <76                 | 60                           | 78                |
| 2HG720-75CS  | 50                      | 7.5                         | 345-415Δ                     | 16.7Δ 9.6Y                   | 320                         | 57                             | -54                           | <73                 | 60                           | 81                |
|              | 60                      | 8.6                         | 380-480Δ                     | 17.3Δ 10.0Y                  | 380                         | 59                             | -55                           | <76                 | 60                           | 81                |
| 2HG820-55CS  | 50                      | 5.5                         | 345-415Δ                     | 13.3Δ 7.7Y                   | 520                         | 24                             | -24                           | <74                 | 75                           | 93                |
|              | 60                      | 6.3                         | 380-480Δ                     | 13.3Δ 7.7Y                   | 620                         | 16                             | -17                           | <78                 | 75                           | 93                |
| 2HG820-75CS  | 50                      | 7.5                         | 345-415Δ                     | 16.7Δ 9.6Y                   | 520                         | 40                             | -40                           | <74                 | 75                           | 100               |
|              | 60                      | 8.6                         | 380-480Δ                     | 17.3Δ 10Y                    | 620                         | 33                             | -36                           | <78                 | 75                           | 100               |
| 2HG820-110CS | 50                      | 11                          | 345-415Δ                     | 28.0Δ 16.2Y                  | 520                         | 66                             | -43                           | <75                 | 75                           | 104               |
|              | 60                      | 12.6                        | 380-480Δ                     | 29Δ 16.7Y                    | 620                         | 60                             | -46                           | <78                 | 75                           | 104               |
| 2HG820-150CS | 50                      | 15                          | 345-415Δ                     | 32.5Δ 18.8Y                  | 520                         | 67                             | -46                           | <75                 | 75                           | 110               |
|              | 60                      | 17.3                        | 380-480Δ                     | 34.5Δ 19.9Y                  | 620                         | 75                             | -49                           | <78                 | 75                           | 110               |

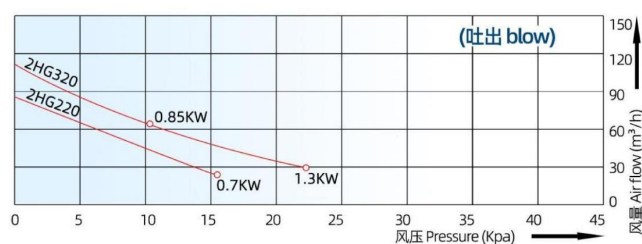
### 2HG220/320系列旋涡风机性能曲线（仅供参考不作检测依据）

Performance Curve of 2HG220/320 Series Vortex Blower (for reference only and not for testing basis)

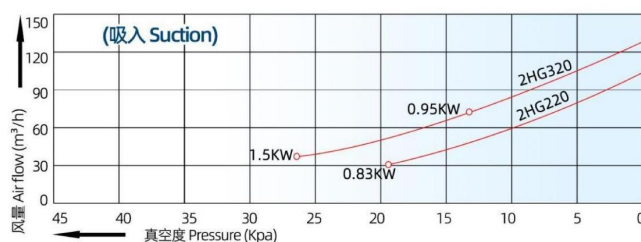
Vacuum Selection Diagram 50HZ--真空选型图表50HZ



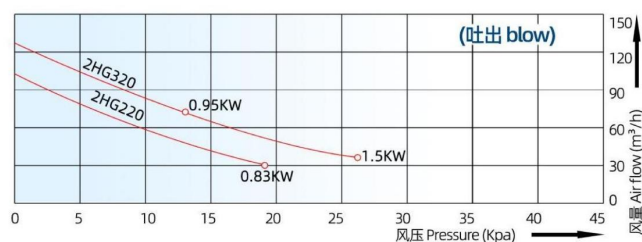
Compressor Selection Diagram 50HZ--压力选型图表50HZ



Vacuum Selection Diagram 60HZ--真空选型图表60HZ



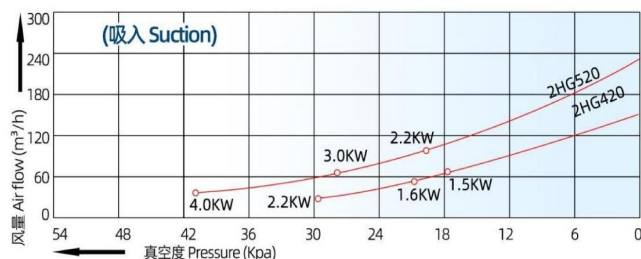
Compressor Selection Diagram 60HZ--压力选型图表60HZ



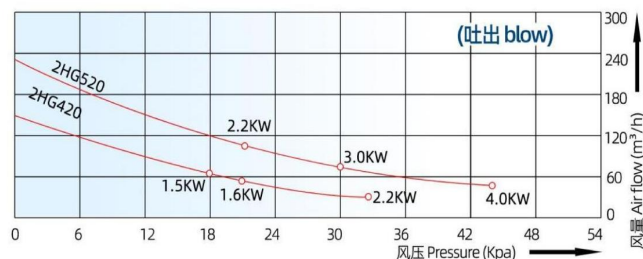
## 2HG420/520系列旋涡风机性能曲线 (仅供参考不作检测依据)

Performance Curve of 2HG420/520 Series Vortex Blower (for reference only and not for testing basis)

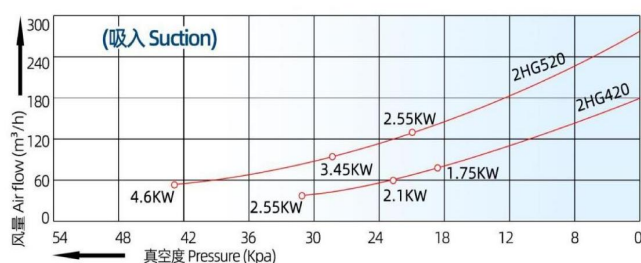
Vacuum Selection Diagram 50HZ--真空选型图表50HZ



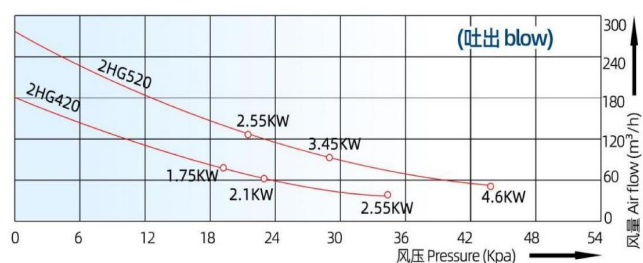
Compressor Selection Diagram 50HZ--压力选型图表50HZ



Vacuum Selection Diagram 60HZ--真空选型图表60HZ



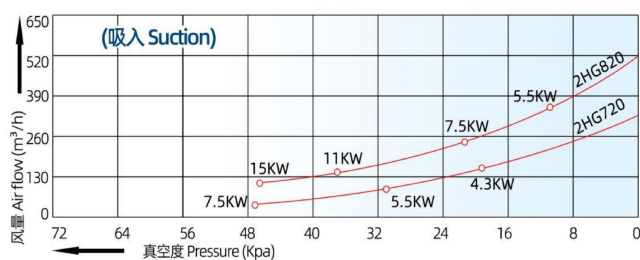
Compressor Selection Diagram 60HZ--压力选型图表60HZ



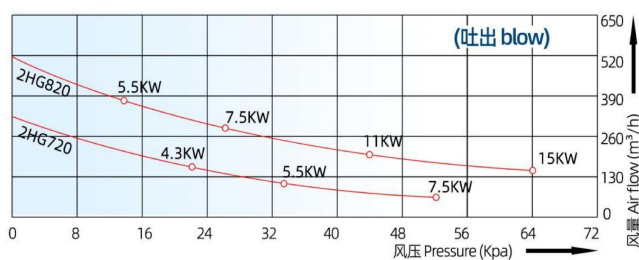
## 2HG720/820系列旋涡风机性能曲线 (仅供参考不作检测依据)

Performance Curve of 2HG720/820 Series Vortex Blower (for reference only and not for testing basis)

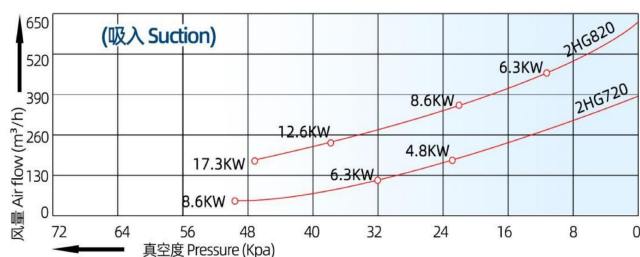
Vacuum Selection Diagram 50HZ--真空选型图表50HZ



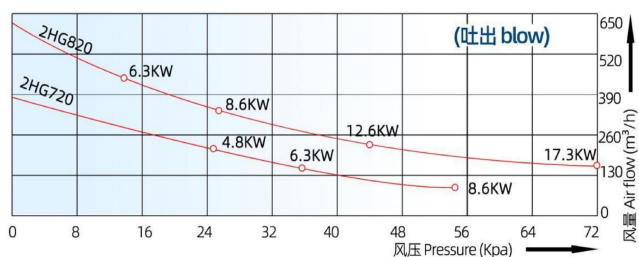
Compressor Selection Diagram 50HZ--压力选型图表50HZ



Vacuum Selection Diagram 60HZ--真空选型图表60HZ



Compressor Selection Diagram 60HZ--压力选型图表60HZ





## Double impeller high-pressure vortex fan 双叶轮高压旋涡风机

注：因生产批次及打包方式不同，重量和体积可能存在浮动，建议以实际为准

Notice: Due to different production batches and packaging methods weight and volume may fluctuate, it is recommended to refer to the actual situation

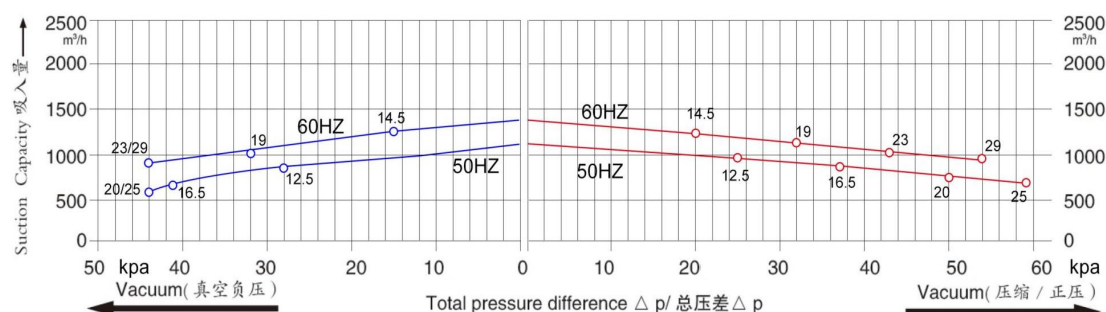
| 型号<br>Model  | 频率<br>Frequency | 额定功率<br>Rated Power | 额定电压<br>Rated voltage |          | 额定电流<br>Rated current |       | 最大风量<br>Max. flow | 最大风压<br>Max.pressure | 最大真空度<br>Max.vacuum | 噪音<br>Noise | 风管口径<br>Duct caliber | 毛重<br>G.W |
|--------------|-----------------|---------------------|-----------------------|----------|-----------------------|-------|-------------------|----------------------|---------------------|-------------|----------------------|-----------|
|              | (HZ)            | (KW)                | (V)                   |          | (A)                   |       | (m³/h)            | (Kpa)                | (Kpa)               | (db)        | (mm)                 | (KG)      |
| 2HG920-125CS | 50              | 12.5                | 345-415Δ              | 600-720Y | 28Δ                   | 16.2Y | 1110              | 27                   | -30                 | <74         | 115                  | 187       |
|              | 60              | 14.5                | 380-480Δ              | 660-720Y | 29Δ                   | 16.7Y | 1310              | 20                   | -22                 | <78         | 115                  | 187       |
| 2HG920-165CS | 50              | 16.5                | 345-415Δ              | 600-720Y | 35Δ                   | 20Y   | 1110              | 37                   | -42                 | <74         | 115                  | 197       |
|              | 60              | 19                  | 380-480Δ              | 660-720Y | 36.5Δ                 | 21Y   | 1310              | 30                   | -34                 | <78         | 115                  | 197       |
| 2HG920-200CS | 50              | 20                  | 345-415Δ              | 600-720Y | 40Δ                   | 23Y   | 1110              | 50                   | -44                 | <74         | 115                  | 204       |
|              | 60              | 23                  | 380-480Δ              | 660-720Y | 42Δ                   | 24.2Y | 1310              | 43                   | -44                 | <84         | 115                  | 204       |
| 2HG920-250CS | 50              | 25                  | 345-415Δ              | 600-720Y | 52Δ                   | 30Y   | 1110              | 59                   | -45                 | <74         | 115                  | 211       |
|              | 60              | 29                  | 380-480Δ              | 660-720Y | 52Δ                   | 30Y   | 1310              | 54                   | -45                 | <84         | 115                  | 211       |

### 2HG920系列旋涡风机性能曲线（仅供参考不作检测依据）

Performance Curve of 2HG920 Series Vortex Blower (for reference only and not for testing basis)

Vacuum Selection Diagram 50/60HZ-真空选型图表50/60HZ

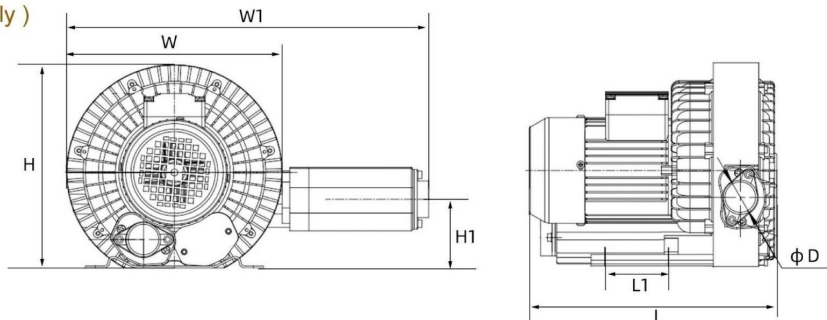
Compressor Selection Diagram 50/60HZ-压力选型图表50/60HZ



### HG双叶轮系列风机尺寸图（手工测量有误差，仅供参考，建议以实物为准）

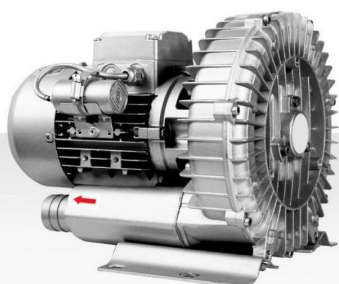
Dimension Diagram (for reference only)

H = 风机高度 (H=height)  
W = 风机罩壳宽度 (W=width)  
L = 风机长度 (L=Length)  
L1 = 底座侧面安装中心距  
(L1=Side mounting center distance)



| 型号<br>Model  | 尺寸 Size (mm) |     |     |     |     |     |    |
|--------------|--------------|-----|-----|-----|-----|-----|----|
|              | L            | W   | W1  | H   | H1  | L1  | D  |
| 2HG220-70AD  | 320          | 290 | 480 | 270 | 100 | 85  | 40 |
| 2HG220-70AS  | 320          | 290 | 480 | 270 | 100 | 85  | 40 |
| 2HG320-85AS  | 352          | 300 | 490 | 290 | 115 | 85  | 40 |
| 2HG320-13BS  | 352          | 300 | 490 | 290 | 115 | 85  | 40 |
| 2HG420-15BD  | 400          | 322 | 500 | 320 | 145 | 95  | 50 |
| 2HG420-22BD  | 400          | 322 | 500 | 320 | 145 | 95  | 50 |
| 2HG420-16BS  | 400          | 322 | 500 | 320 | 145 | 95  | 50 |
| 2HG420-22BS  | 400          | 322 | 500 | 320 | 145 | 95  | 50 |
| 2HG520-22BD  | 460          | 375 | 600 | 360 | 155 | 115 | 60 |
| 2HG520-22BS  | 460          | 375 | 600 | 360 | 155 | 115 | 60 |
| 2HG520-30BS  | 465          | 375 | 600 | 360 | 155 | 115 | 60 |
| 2HG520-40CS  | 500          | 375 | 600 | 360 | 155 | 115 | 60 |
| 2HG720-43CS  | 600          | 423 | 650 | 420 | 175 | 140 | 60 |
| 2HG720-55CS  | 600          | 423 | 650 | 420 | 175 | 140 | 60 |
| 2HG720-75CS  | 600          | 423 | 650 | 420 | 175 | 140 | 60 |
| 2HG820-55CS  | 590          | 505 | 830 | 495 | 225 | 170 | 75 |
| 2HG820-75CS  | 590          | 505 | 830 | 495 | 225 | 170 | 75 |
| 2HG820-110CS | 780          | 505 | 830 | 495 | 225 | 170 | 75 |
| 2HG820-150CS | 780          | 505 | 830 | 495 | 225 | 170 | 75 |

## Bearing heat insulation fan 加长耐高温风机系列



HG210



HG310



HG410



HG510



HG710



HG810

## Bearing heat insulation vortex blower 加长耐高温旋涡风机

注：因生产批次及打包方式不同，重量和体积可能存在浮动，建议以实际为准

Notice: Due to different production batches and packaging methods weight and volume may fluctuate, it is recommended to refer to the actual situation

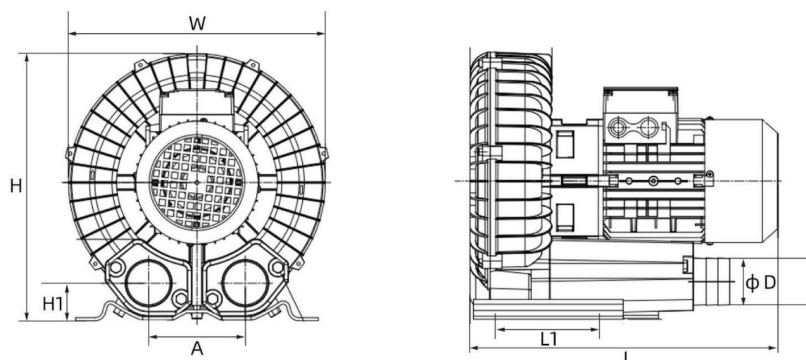
| 型号<br>Model | 频率<br>Frequency<br>(HZ) | 额定功率<br>Rated Power<br>(KW) | 额定电压<br>Rated voltage<br>(V) | 额定电流<br>Rated current<br>(A) | 最大风量<br>Max. flow<br>(m³/h) | 最大风压<br>Max.pressure<br>(Kpa) | 最大真空度<br>Max.vacuum<br>(Kpa) | 噪音<br>Noise<br>(db) | 风管口径<br>Duct caliber<br>(mm) | 毛重<br>G.W<br>(KG) |
|-------------|-------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|-------------------------------|------------------------------|---------------------|------------------------------|-------------------|
| HG210-30ALD | 50                      | 0.3                         | 220-240V                     | 1.7                          | 76                          | 8                             | -6.5                         | <53                 | 40                           | 14                |
|             | 60                      | 0.35                        | 220-240V                     | 2.0                          | 93                          | 10                            | -7.5                         | <56                 | 40                           | 14                |
| HG210-30ALS | 50                      | 0.3                         | 200-240Δ 345-415Y            | 2.6Δ 1.5Y                    | 76                          | 8                             | -6.5                         | <53                 | 40                           | 14                |
|             | 60                      | 0.35                        | 220-275Δ 380-480Y            | 2.6Δ 1.5Y                    | 93                          | 10                            | -9.5                         | <56                 | 40                           | 14                |
| HG210-37ALD | 50                      | 0.37                        | 220-240V                     | 2.1                          | 76                          | 10                            | -9                           | <53                 | 40                           | 15                |
|             | 60                      | 0.42                        | 220-240V                     | 2.4                          | 93                          | 12                            | -10                          | <56                 | 40                           | 15                |
| HG210-37ALS | 50                      | 0.37                        | 200-240Δ 345-415Y            | 2.6Δ 1.5Y                    | 76                          | 10                            | -9                           | <53                 | 40                           | 14                |
|             | 60                      | 0.42                        | 220-275Δ 380-480Y            | 2.6Δ 1.5Y                    | 93                          | 12                            | -11.5                        | <56                 | 40                           | 14                |
| HG310-55ALD | 50                      | 0.55                        | 220-240V                     | 3.2                          | 90                          | 12                            | -11                          | <57                 | 40                           | 17                |
|             | 60                      | 0.62                        | 220-240V                     | 3.6                          | 105                         | 12                            | -11                          | <60                 | 40                           | 17                |
| HG310-55ALS | 50                      | 0.55                        | 200-240Δ 345-415Y            | 2.8Δ 1.6Y                    | 95                          | 12                            | -11                          | <57                 | 40                           | 16                |
|             | 60                      | 0.62                        | 220-275Δ 380-480Y            | 3.0Δ 1.7Y                    | 114                         | 12                            | -11                          | <60                 | 40                           | 16                |
| HG410-75ALD | 50                      | 0.75                        | 220-240V                     | 4.3                          | 138                         | 18                            | -17                          | <63                 | 50                           | 22                |
|             | 60                      | 0.83                        | 220-240V                     | 4.7                          | 166                         | 19                            | -18                          | <64                 | 50                           | 22                |
| HG410-75ALS | 50                      | 0.75                        | 200-240Δ 345-415Y            | 3.8Δ 2.2Y                    | 138                         | 18                            | -17                          | <63                 | 50                           | 21                |
|             | 60                      | 0.83                        | 220-275Δ 380-480Y            | 3.75Δ 2.15Y                  | 166                         | 19                            | -19                          | <64                 | 50                           | 21                |
| HG510-11BLD | 50                      | 1.1                         | 220-240V                     | 4.9                          | 200                         | 21                            | -19                          | <64                 | 60                           | 29                |
|             | 60                      | 1.25                        | 220-240V                     | 5.5                          | 242                         | 20                            | -19                          | <70                 | 60                           | 29                |
| HG510-11BLS | 50                      | 1.1                         | 200-240Δ 345-415Y            | 4.9Δ 2.8Y                    | 200                         | 21                            | -19                          | <64                 | 60                           | 28                |
|             | 60                      | 1.25                        | 220-275Δ 380-480Y            | 5.2Δ 3.2Y                    | 242                         | 20                            | -19                          | <70                 | 60                           | 28                |
| HG510-15BLD | 50                      | 1.5                         | 220-240V                     | 8.6                          | 200                         | 24                            | -22                          | <64                 | 60                           | 30                |
|             | 60                      | 1.8                         | 220-240V                     | 10.0                         | 242                         | 26                            | -23                          | <70                 | 60                           | 30                |
| HG510-15BLS | 50                      | 1.5                         | 200-240Δ 345-415Y            | 6.2Δ 3.6Y                    | 200                         | 24                            | -22                          | <64                 | 60                           | 29                |
|             | 60                      | 1.8                         | 220-275Δ 380-480Y            | 6.9Δ 4.0Y                    | 242                         | 26                            | -23                          | <70                 | 60                           | 29                |
| HG710-22BLD | 50                      | 2.2                         | 220-240V                     | 12.5                         | 247                         | 33                            | -30                          | <69                 | 60                           | 40                |
|             | 60                      | 2.55                        | 220-240V                     | 15.0                         | 276                         | 35                            | -33                          | <72                 | 60                           | 40                |
| HG710-22BLS | 50                      | 2.2                         | 200-240Δ 345-415Y            | 8.9Δ 5.2Y                    | 302                         | 33                            | -30                          | <69                 | 60                           | 40                |
|             | 60                      | 2.55                        | 220-275Δ 380-480Y            | 10.3Δ 6.5Y                   | 357                         | 33                            | -31                          | <72                 | 60                           | 40                |
| HG710-30BLS | 50                      | 3.0                         | 200-240Δ 345-415Y            | 12.2Δ 7.3Y                   | 302                         | 36                            | -33                          | <69                 | 60                           | 40                |
|             | 60                      | 3.5                         | 220-275Δ 380-480Y            | 14.0Δ 8.1Y                   | 357                         | 34                            | -31                          | <72                 | 60                           | 40                |
| HG711-38BLS | 50                      | 3.8                         | 200-240Δ 345-415Y            | 15.5Δ 9.0Y                   | 342                         | 35                            | -33                          | <70                 | 60                           | 45                |
|             | 60                      | 4.3                         | 220-275Δ 380-480Y            | 17.5Δ 10.2Y                  | 410                         | 37                            | -36                          | <73                 | 60                           | 45                |
| HG750-40BLS | 50                      | 4.0                         | 345-415Δ 600-720Y            | 9.0Δ 5.2Y                    | 400                         | 40                            | -36                          | <70                 | 75                           | 53                |
|             | 60                      | 4.6                         | 380-480Δ 660-720Y            | 9.4Δ 5.2Y                    | 480                         | 42                            | -40                          | <73                 | 75                           | 53                |
| HG810-55BLS | 50                      | 5.5                         | 345-415Δ 600-720Y            | 12.9Δ 7.4Y                   | 570                         | 45                            | -43                          | <80                 | 75                           | 70                |
|             | 60                      | 6.3                         | 380-480Δ 660-720Y            | 12.9Δ 7.45Y                  | 620                         | 47                            | -45                          | <82                 | 75                           | 70                |
| HG810-75BLS | 50                      | 7.5                         | 345-415Δ 600-720Y            | 16.7Δ 9.6Y                   | 600                         | 51                            | -46                          | <80                 | 75                           | 75                |
|             | 60                      | 8.6                         | 380-480Δ 660-720Y            | 17.3Δ 10.0Y                  | 660                         | 53                            | -48                          | <82                 | 75                           | 75                |



## HG耐高温系列风机尺寸图 (手工测量有误差, 仅供参考, 建议以实物为准)

Dimension Diagram (for reference only)

H = 风机高度 (H=height)  
W = 风机罩壳宽度 (W=width)  
L = 风机长度 (L=Length)  
L1 = 底座侧面安装中心距  
(L1=Side mounting center distance)



| 型号<br>Model    | 尺寸 Size (mm) |     |     |     |    |    |     |
|----------------|--------------|-----|-----|-----|----|----|-----|
|                | L            | W   | H   | A   | D  | H1 | L1  |
| HG210-30ALD/LS | 327          | 238 | 246 | 88  | 40 | 37 | 83  |
| HG210-37ALD/LS | 327          | 238 | 246 | 88  | 40 | 37 | 83  |
| HG310-55ALD/LS | 339          | 263 | 272 | 92  | 40 | 37 | 83  |
| HG410-75ALD/LS | 362          | 287 | 305 | 113 | 50 | 50 | 96  |
| HG510-11BLD/LS | 391          | 328 | 338 | 120 | 60 | 53 | 140 |
| HG510-15BLD/LS | 413          | 328 | 338 | 120 | 60 | 53 | 140 |
| HG710-22BLD/LS | 475          | 365 | 390 | 126 | 60 | 65 | 140 |
| HG710-30BLS    | 475          | 365 | 390 | 126 | 60 | 65 | 140 |
| HG711-38BLS    | 465          | 400 | 430 | 135 | 60 | 65 | 165 |
| HG750-40BLS    | 475          | 408 | 450 | 140 | 75 | 84 | 165 |
| HG810-55BLS    | 490          | 445 | 466 | 145 | 75 | 84 | 172 |
| HG810-75BLS    | 490          | 445 | 466 | 145 | 75 | 84 | 172 |

## Explosion-proof Vortex Blower

防爆漩涡风机系列



HG210



HG310



HG410



HG510



HG610

## Explosion-proof Vortex Blower

### 防爆旋涡风机系列



HG710



HG810



HG750



HG910

### Explosion-proof vortex blower

### 防爆旋涡风机

注：因生产批次及打包方式不同，重量和体积可能存在浮动，建议以实际为准

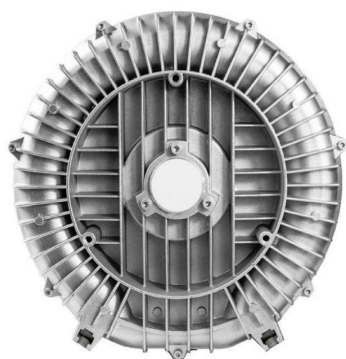
Notice: Due to different production batches and packaging methods weight and volume may fluctuate, it is recommended to refer to the actual situation

| 型号<br>Model | 频率<br>Frequency | 额定功率<br>Rated Power | 额定电压<br>Rated voltage | 额定电流<br>Rated current | 最大风量<br>Max. flow | 最大风压<br>Max.pressure | 最大真空度<br>Max.vacuum | 噪音<br>Noise | 风管口径<br>Duct caliber | 毛重<br>G.W |
|-------------|-----------------|---------------------|-----------------------|-----------------------|-------------------|----------------------|---------------------|-------------|----------------------|-----------|
|             | (HZ)            | (KW)                | (V)                   | (A)                   | (m³/h)            | (Kpa)                | (Kpa)               | (db)        | (mm)                 | (KG)      |
| HG210-37AF  | 50              | 0.37                | 200-240Δ 345-415Y     | 2.6Δ 1.5Y             | 80                | 10                   | -9.0                | <53         | 40                   | 26        |
|             | 60              | 0.42                | 220-275Δ 380-480Y     | 2.6Δ 1.5Y             | 98                | 10                   | -9.0                | <56         | 40                   | 26        |
| HG310-55AF  | 50              | 0.55                | 200-240Δ 345-415Y     | 2.8Δ 1.6Y             | 100               | 12                   | -11                 | <55         | 40                   | 28        |
|             | 60              | 0.62                | 220-275Δ 380-480Y     | 3.0Δ 1.7Y             | 120               | 12                   | -11                 | <57         | 40                   | 28        |
| HG410-75AF  | 50              | 0.75                | 200-240Δ 345-415Y     | 3.8Δ 2.2Y             | 145               | 18                   | -17                 | <63         | 50                   | 35        |
|             | 60              | 0.83                | 220-275Δ 380-480Y     | 3.75Δ 2.15Y           | 175               | 20                   | -19                 | <64         | 50                   | 35        |
| HG510-11BF  | 50              | 1.1                 | 200-240Δ 345-415Y     | 5.1Δ 3.0Y             | 200               | 23                   | -21                 | <63         | 60                   | 47        |
|             | 60              | 1.25                | 220-275Δ 380-480Y     | 5.2Δ 3.2Y             | 245               | 26                   | -24                 | <69         | 60                   | 47        |
| HG510-15BF  | 50              | 1.5                 | 200-240Δ 345-415Y     | 6.2Δ 3.6Y             | 210               | 24                   | -22                 | <64         | 60                   | 47        |
|             | 60              | 1.75                | 220-275Δ 380-480Y     | 6.9Δ 4.0Y             | 255               | 27                   | -25                 | <70         | 60                   | 47        |
| HG610-22BF  | 50              | 2.2                 | 200-240Δ 345-415Y     | 8.5Δ 4.8Y             | 270               | 27                   | -25                 | <66         | 60                   | 54        |
|             | 60              | 2.55                | 220-275Δ 380-480Y     | 8.8Δ 5.1Y             | 300               | 32                   | -29                 | <70         | 60                   | 54        |
| HG710-22BF  | 50              | 2.2                 | 200-240Δ 345-415Y     | 8.9Δ 5.2Y             | 318               | 33                   | -30                 | <69         | 60                   | 65        |
|             | 60              | 2.55                | 220-275Δ 380-480Y     | 10.3Δ 6.5Y            | 376               | 38                   | -35                 | <72         | 60                   | 65        |
| HG710-30BF  | 50              | 3.0                 | 200-240Δ 345-415Y     | 12.2Δ 7.3Y            | 318               | 35                   | -32                 | <69         | 60                   | 67        |
|             | 60              | 3.5                 | 220-275Δ 380-480Y     | 14Δ 8.1Y              | 376               | 40                   | -37                 | <72         | 60                   | 67        |
| HG750-40CF  | 50              | 4.0                 | 345-415Δ 600-720Y     | 9.3Δ 5.4Y             | 430               | 41                   | -37                 | <70         | 75                   | 92        |
|             | 60              | 4.6                 | 380-480Δ 660-720Y     | 10.8Δ 5.5Y            | 470               | 46                   | -37                 | <73         | 75                   | 92        |
| HG810-55CF  | 50              | 5.5                 | 345-415Δ 600-720Y     | 12.9Δ 7.4Y            | 500               | 45                   | -43                 | <80         | 75                   | 115       |
|             | 60              | 6.3                 | 380-480Δ 660-720Y     | 12.9Δ 7.45Y           | 580               | 50                   | -48                 | <82         | 75                   | 115       |
| HG810-75CF  | 50              | 7.5                 | 345-415Δ 600-720Y     | 16.7Δ 9.6Y            | 520               | 51                   | -46                 | <80         | 75                   | 118       |
|             | 60              | 8.6                 | 380-480Δ 660-720Y     | 17.3Δ 10Y             | 610               | 56                   | -50                 | <82         | 75                   | 118       |
| HG910-90CF  | 50              | 9.0                 | 345-415Δ 600-720Y     | 22Δ 12.2Y             | 800               | 56                   | -48                 | <74         | 115                  | 170       |
|             | 60              | 10.3                | 380-480Δ 660-720Y     | 23Δ 13Y               | 950               | 65                   | -56                 | <79         | 115                  | 170       |
| HG910-110CF | 50              | 11                  | 345-415Δ 600-720Y     | 28Δ 16.2Y             | 1100              | 57                   | -50                 | <74         | 115                  | 246       |
|             | 60              | 12.6                | 380-480Δ 660-720Y     | 29Δ 16.7Y             | 1300              | 67                   | -58                 | <79         | 115                  | 246       |
| HG910-150CF | 50              | 15                  | 345-415Δ 600-720Y     | 33Δ 20Y               | 1150              | 64                   | -56                 | <74         | 115                  | 252       |
|             | 60              | 16.5                | 380-480Δ 660-720Y     | 37Δ 22Y               | 1350              | 73                   | -62                 | <79         | 115                  | 252       |
| HG910-185CF | 50              | 18.5                | 345-415Δ 600-720Y     | 41Δ 25Y               | 1200              | 68                   | -59                 | <80         | 115                  | 258       |
|             | 60              | 21.3                | 380-480Δ 660-720Y     | 47Δ 25Y               | 1400              | 80                   | -69                 | <82         | 115                  | 258       |
| HG930-150CF | 50              | 15                  | 345-415Δ 600-720Y     | 33Δ 20Y               | 1150              | 64                   | -56                 | <74         | 115                  | 255       |
|             | 60              | 17.3                | 380-480Δ 660-720Y     | 36.5Δ 21Y             | 1350              | 74                   | -62                 | <79         | 115                  | 255       |



## Belt drive

## 拖泵（无动力风机）



普通款(无消音管)  
Normal model (Without silencer)



升级款(带消音管)  
Upgraded model (With silencer)

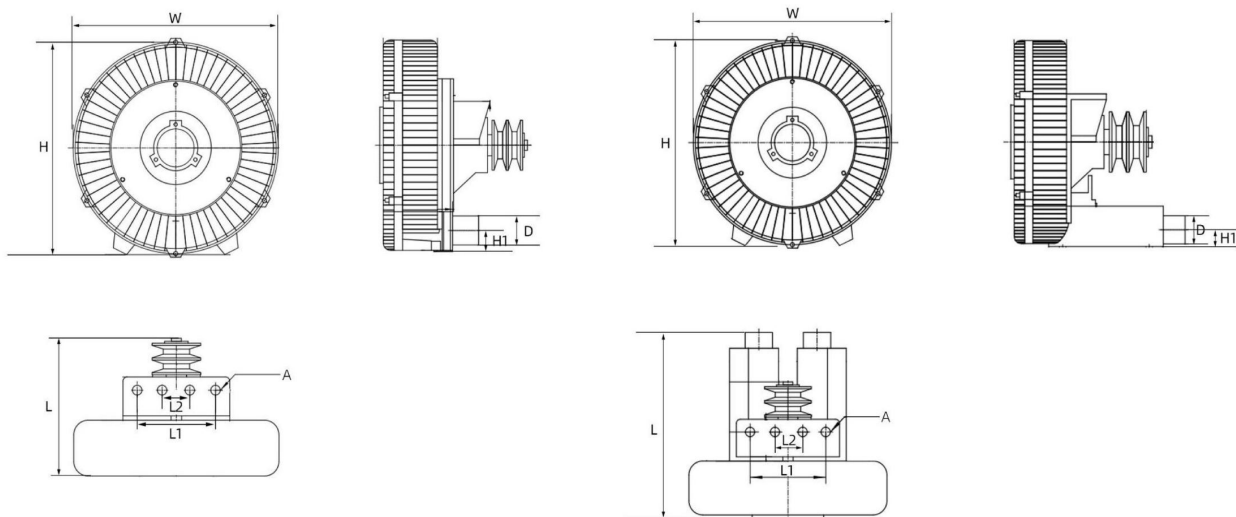
| 普通款型号<br>Normal model<br>(Without silencer) | 适配电机转速<br>Adapted rpm | 适配电机功率<br>Adapted power | 风管口外径<br>inlet/outlet | 重量<br>Weight | 皮带轮类型<br>Pulley type | 升级款型号<br>Upgraded model<br>(With silencer) | 适配电机转速<br>Adapted rpm | 适配电机功率<br>Adapted power | 风管口外径<br>inlet/outlet | 重量<br>Weight | 皮带轮类型<br>Pulley type |
|---------------------------------------------|-----------------------|-------------------------|-----------------------|--------------|----------------------|--------------------------------------------|-----------------------|-------------------------|-----------------------|--------------|----------------------|
|                                             | (rpm)                 | (kw)                    | (mm)                  | (kg)         | Type B               |                                            | (rpm)                 | (kw)                    | (mm)                  | (kg)         | Type B               |
| HG410-75AW                                  | < 3500                | 0.75-1.1                | 32                    | 11           | B型双槽双皮带              | HG410-75AW-1                               | < 3500                | 0.75-1.1                | 32                    | 12           | B型双槽双皮带              |
| HG510-15BW                                  | < 3500                | 1.1-2.2                 | 48                    | 13           | B型双槽双皮带              | HG510-15BW-1                               | < 3500                | 1.1-2.2                 | 48                    | 14           | B型双槽双皮带              |
| HG710-22BW                                  | < 3500                | 2.2-4.0                 | 60                    | 21.5         | B型双槽双皮带              | HG710-22BW-1                               | < 3500                | 2.2-4.0                 | 60                    | 23.5         | B型双槽双皮带              |
|                                             |                       |                         |                       |              | B型双槽双皮带              | HG810-55BW-1                               | < 3500                | 4.0-9.0                 | 75                    | 55           | B型双槽双皮带              |

注：因生产批次及打包方式不同，重量和体积可能存在浮动，建议以实际为准

Notice: Due to different production batches and packaging methods weight and volume may fluctuate, it is recommended to refer to the actual situation

### 无动力拖泵尺寸图（手工测量有误差，仅供参考，建议以实物为准）

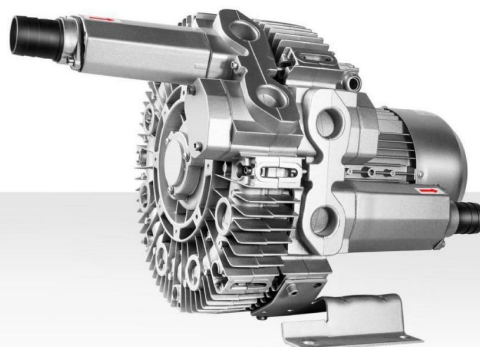
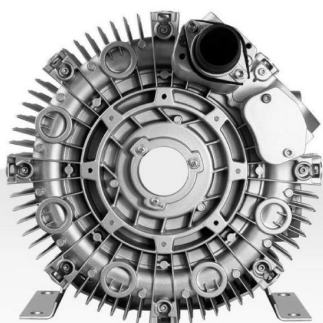
#### Dimension Diagram (for reference only)



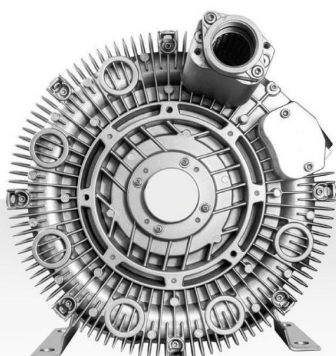
| 型号<br>Model  | 尺寸 Size (mm) |     |     |     |    |         |    |    |
|--------------|--------------|-----|-----|-----|----|---------|----|----|
|              | L            | W   | H   | L1  | L2 | A       | H1 | D  |
| HG410-75AW   | 198          | 288 | 302 | 110 | -- | 2-φ13.5 | 40 | 32 |
| HG510-15BW   | 210          | 325 | 330 | 110 | -- | 2-φ13.5 | 45 | 48 |
| HG710-22BW   | 240          | 365 | 395 | 110 | -- | 2-φ13.5 | 50 | 60 |
| HG410-75AW-1 | 300          | 288 | 302 | 110 | -- | 2-φ13.5 | 40 | 32 |
| HG510-15BW-1 | 348          | 325 | 330 | 110 | -- | 2-φ13.5 | 45 | 48 |
| HG710-22BW-1 | 380          | 365 | 395 | 110 | -- | 2-φ13.5 | 50 | 60 |
| HG810-55BW-1 | 495          | 445 | 460 | 123 | 55 | 4-φ15.5 | 48 | 75 |

## High Pressure Vortex Blower

### 特高压旋涡风机系列



4HG220-420系列



4HG520-630系列

## High Pressure vortex blower

### 特高压旋涡风机

| 型号<br>Model | 频率<br>Frequency | 额定功率<br>Rated Power | 额定电压<br>Rated voltage |          | 额定电流<br>Rated current |      | 最大风量<br>Max. flow | 最大风压<br>Max.pressure | 最大真空度<br>Max.vacuum | 噪音<br>Noise | 风管口径<br>Duct caliber | 毛重<br>G.W |
|-------------|-----------------|---------------------|-----------------------|----------|-----------------------|------|-------------------|----------------------|---------------------|-------------|----------------------|-----------|
|             | (HZ)            | (KW)                | (V)                   |          | (A)                   |      | (m³/h)            | (Kpa)                | (Kpa)               | (db)        | (mm)                 | (KG)      |
| 4HG220-85AS | 50              | 0.85                | 200-240Δ              | 345-415Y | 4.0Δ                  | 2.3Y | 47                | 49                   | -37                 | <58         | 40                   | 26        |
|             | 60              | 0.96                | 220-275Δ              | 380-480Y | 4.0Δ                  | 2.3Y | 60                | 48                   | -44                 | <62         | 40                   | 26        |
| 4HG220-16BS | 50              | 1.6                 | 200-240Δ              | 345-415Y | 7.5Δ                  | 4.3Y | 47                | 65                   | -37                 | <58         | 40                   | 30        |
|             | 60              | 2.05                | 220-275Δ              | 380-480Y | 7.6Δ                  | 4.4Y | 60                | 74                   | -50                 | <62         | 40                   | 30        |
| 4HG320-11BS | 50              | 1.1                 | 200-240Δ              | 345-415Y | 5.4Δ                  | 3.1Y | 65                | 48                   | -40                 | <59         | 40                   | 31        |
|             | 60              | 1.3                 | 220-275Δ              | 380-480Y | 5.4Δ                  | 3.1Y | 76                | 48                   | -48                 | <63         | 40                   | 31        |
| 4HG320-16BS | 50              | 1.6                 | 200-240Δ              | 345-415Y | 7.5Δ                  | 4.3Y | 65                | 54                   | -44                 | <59         | 40                   | 32        |
|             | 60              | 2.05                | 220-275Δ              | 380-480Y | 7.5Δ                  | 4.4Y | 76                | 60                   | -56                 | <63         | 40                   | 32        |
| 4HG420-16BS | 50              | 1.6                 | 200-240Δ              | 345-415Y | 7.5Δ                  | 4.3Y | 87                | 45                   | -48                 | <61         | 40                   | 35        |
|             | 60              | 2.05                | 220-275Δ              | 380-480Y | 7.6Δ                  | 4.4Y | 105               | 41                   | -43                 | <66         | 40                   | 35        |
| 4HG420-30BS | 50              | 3.0                 | 200-240Δ              | 345-415Y | 12.5Δ                 | 7.3Y | 87                | 75                   | -50                 | <61         | 40                   | 41        |
|             | 60              | 3.5                 | 220-275Δ              | 380-480Y | 13.3Δ                 | 7.8Y | 105               | 85                   | -51                 | <66         | 40                   | 41        |
| 4HG520-22BS | 50              | 2.2                 | 200-240Δ              | 345-415Y | 11.4Δ                 | 6.6Y | 120               | 46                   | -47                 | <64         | 40                   | 42        |
|             | 60              | 2.55                | 220-275Δ              | 380-480Y | 11.2Δ                 | 6.5Y | 145               | 45                   | -50                 | <70         | 40                   | 42        |
| 4HG520-43BS | 50              | 4.3                 | 345-415Δ              |          | 9.5Δ                  |      | 120               | 82                   | -50                 | <65         | 40                   | 53        |
|             | 60              | 4.8                 | 380-480Δ              |          | 10Δ                   |      | 145               | 81                   | -53                 | <71         | 40                   | 53        |
| 4HG620-30BS | 50              | 3.0                 | 200-240Δ              | 345-415Y | 12.5Δ                 | 7.3Y | 165               | 50                   | -46                 | <67         | 40                   | 50        |
|             | 60              | 3.5                 | 220-275Δ              | 380-480Y | 13.3Δ                 | 7.8Y | 195               | 42                   | -48                 | <71         | 40                   | 50        |
| 4HG620-55BS | 50              | 5.5                 | 345-415Δ              |          | 12Δ                   |      | 165               | 74                   | -46                 | <68         | 40                   | 67        |
|             | 60              | 6.3                 | 380-480Δ              |          | 12.5Δ                 |      | 195               | 84                   | -48                 | <72         | 40                   | 67        |
| 4HG630-75BS | 50              | 7.5                 | 345-415Δ              |          | 16Δ                   |      | 170               | 104                  | -70                 | <72         | 40                   | 88        |
|             | 60              | 8.6                 | 380-480Δ              |          | 16Δ                   |      | 200               | 104                  | -73                 | <76         | 40                   | 88        |

注：因生产批次及打包方式不同，重量和体积可能存在浮动，建议以实际为准

Notice: Due to different production batches and packaging methods weight and volume may fluctuate, it is recommended to refer to the actual situation

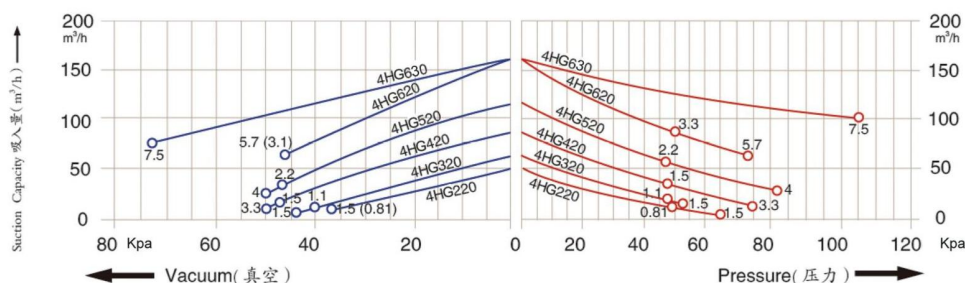


## 4HG系列旋涡风机性能曲线（仅供参考不作检测依据）

Performance Curve of 4HG Series Vortex Blower (for reference only and not for testing basis)

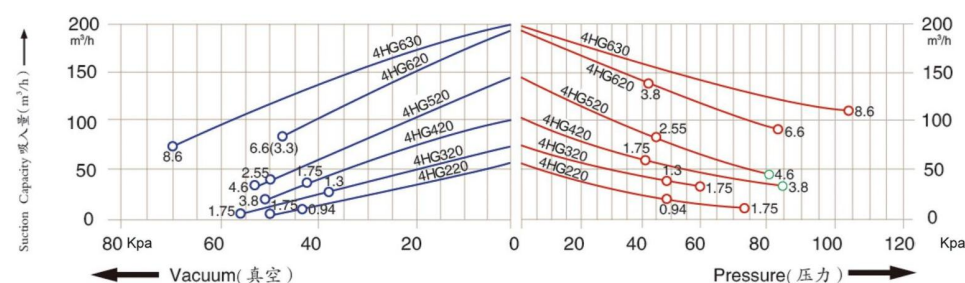
Vacuum Selection Diagram 50HZ--真空选型图表50HZ

Compressor Selection Diagram 50HZ--压力选型图表50HZ

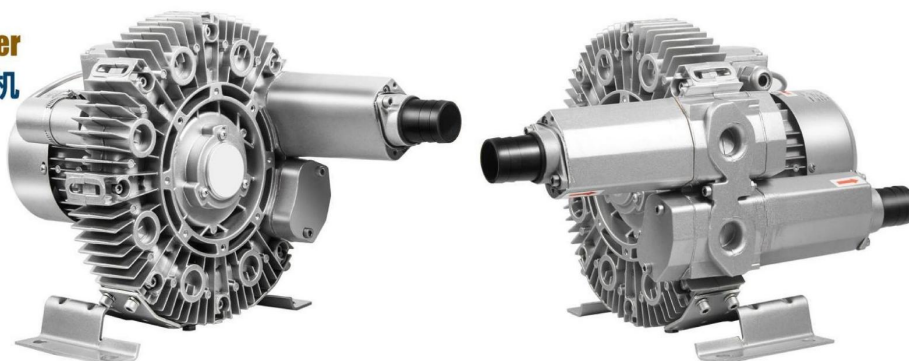


Vacuum Selection Diagram 60HZ--真空选型图表60HZ

Compressor Selection Diagram 60HZ--压力选型图表60HZ



## High Pressure vortex blower 特高压单叶轮系列旋涡风机



| 型号<br>Model | 频率<br>Frequency | 额定功率<br>Rated Power | 额定电压<br>Rated voltage | 额定电流<br>Rated current | 最大风量<br>Max. flow | 最大风压<br>Max.pressure | 最大真空度<br>Max.vacuum | 噪音<br>Noise | 风管口径<br>Duct caliber | 毛重<br>G.W |
|-------------|-----------------|---------------------|-----------------------|-----------------------|-------------------|----------------------|---------------------|-------------|----------------------|-----------|
|             | (HZ)            | (KW)                | (V)                   | (A)                   | (m³/h)            | (Kpa)                | (Kpa)               | (db)        | (mm)                 | (KG)      |
| 4HG210-55AD | 50              | 0.55                | 220V                  | 3.7                   | 47                | 29                   | -23                 | <58         | 40                   | 18        |
|             | 60              | 0.63                | 220V                  | 4.5                   | 57                | 32                   | -27                 | <62         | 40                   | 18        |
| 4HG210-55AS | 50              | 0.55                | 200-240Δ              | 2.8Δ 1.6Y             | 47                | 29                   | -23                 | <58         | 40                   | 18        |
|             | 60              | 0.63                | 220-275Δ              | 3.0Δ 1.7Y             | 57                | 32                   | -27                 | <62         | 40                   | 18        |
| 4HG310-55AS | 50              | 0.55                | 200-240Δ              | 3.0Δ 1.7Y             | 66                | 25                   | -25                 | <58         | 40                   | 18        |
|             | 60              | 0.63                | 220-275Δ              | 3.0Δ 1.7Y             | 80                | 25                   | -26                 | <62         | 40                   | 18        |
| 4HG310-80AS | 50              | 0.81                | 200-240Δ              | 4.0Δ 2.3Y             | 66                | 35                   | -28                 | <59         | 40                   | 19        |
|             | 60              | 0.94                | 220-275Δ              | 4.0Δ 2.3Y             | 80                | 36                   | -34                 | <63         | 40                   | 19        |
| 4HG410-11BS | 50              | 1.1                 | 200-240Δ              | 5.4Δ 3.1Y             | 87                | 38                   | -30                 | <59         | 40                   | 25        |
|             | 60              | 1.3                 | 220-275Δ              | 5.4Δ 3.1Y             | 105               | 37                   | -34                 | <63         | 40                   | 25        |
| 4HG510-15BS | 50              | 1.5                 | 200-240Δ              | 7.5Δ 4.3Y             | 120               | 36                   | -31                 | <61         | 40                   | 28        |
|             | 60              | 1.75                | 220-275Δ              | 7.6Δ 4.4Y             | 145               | 32                   | -34                 | <66         | 40                   | 28        |
| 4HG510-22BS | 50              | 2.2                 | 200-240Δ              | 11.4Δ 6.6Y            | 120               | 47                   | -31                 | <61         | 40                   | 32        |
|             | 60              | 2.55                | 220-275Δ              | 11.2Δ 6.5Y            | 145               | 48                   | -36                 | <66         | 40                   | 32        |
| 4HG610-22BS | 50              | 2.2                 | 200-240Δ              | 11.4Δ 6.6Y            | 165               | 36                   | -34                 | <64         | 40                   | 35        |
|             | 60              | 2.55                | 220-275Δ              | 11.2Δ 6.5Y            | 195               | 31                   | -36                 | <70         | 40                   | 35        |
| 4HG610-33BS | 50              | 3.3                 | 200-240Δ              | 13Δ 7.5Y              | 165               | 48                   | -34                 | <65         | 40                   | 38        |
|             | 60              | 3.8                 | 220-275Δ              | 14.2Δ 8.2Y            | 195               | 53                   | -38                 | <71         | 40                   | 38        |

注：因生产批次及打包方式不同，重量和体积可能存在浮动，建议以实际为准

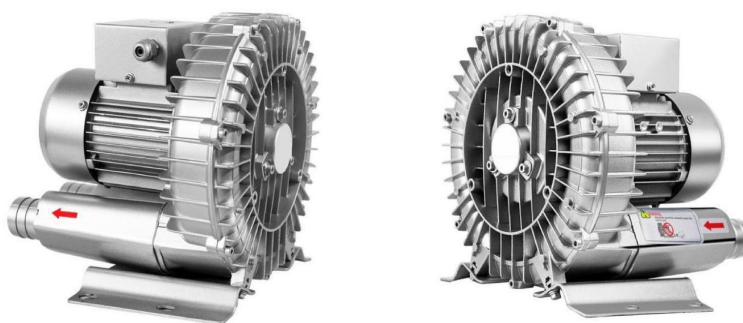
Notice: Due to different production batches and packaging methods weight and volume may fluctuate, it is recommended to refer to the actual situation

**Upper exhaust vortex blower (Three-phase voltage)****上风管旋涡风机 (三相电)**

| 型号<br>Model | 频率<br>Frequency | 额定功率<br>Rated Power | 额定电压<br>Rated voltage | 额定电流<br>Rated current | 最大风量<br>Max. flow | 最大风压<br>Max.pressure | 最大真空度<br>Max.vacuum | 噪音<br>Noise | 风管口径<br>Duct caliber | 毛重<br>G.W |
|-------------|-----------------|---------------------|-----------------------|-----------------------|-------------------|----------------------|---------------------|-------------|----------------------|-----------|
|             | (HZ)            | (KW)                | (V)                   | (A)                   | (m³/h)            | (Kpa)                | (Kpa)               | (db)        | (mm)                 | (KG)      |
| HG510-11BR  | 50              | 1.1                 | 200-240Δ 345-415Y     | 4.9Δ 2.8Y             | 210               | 24                   | -22                 | <64         | 60                   | 26        |
|             | 60              | 1.25                | 220-275Δ 380-480Y     | 5.2Δ 3.2Y             | 255               | 28                   | -26                 | <70         | 60                   | 26        |
| HG510-15BR  | 50              | 1.5                 | 200-240Δ 345-415Y     | 6.2Δ 3.6Y             | 210               | 27                   | -24                 | <64         | 60                   | 27        |
|             | 60              | 1.75                | 220-275Δ 380-480Y     | 6.9Δ 4.0Y             | 255               | 32                   | -28                 | <70         | 60                   | 27        |
| HG610-22BR  | 50              | 2.2                 | 200-240Δ 345-415Y     | 8.9Δ 5.2Y             | 230               | 30                   | -27                 | <69         | 60                   | 31        |
|             | 60              | 2.55                | 220-275Δ 380-480Y     | 10.3Δ 6.5Y            | 275               | 36                   | -32                 | <72         | 60                   | 31        |
| HG710-22BR  | 50              | 2.2                 | 200-240Δ 345-415Y     | 8.9Δ 5.2Y             | 260               | 36                   | -33                 | <69         | 60                   | 38        |
|             | 60              | 2.55                | 220-275Δ 380-480Y     | 10.3Δ 6.5Y            | 290               | 42                   | -38                 | <72         | 60                   | 38        |
| HG710-30BR  | 50              | 3.0                 | 200-240Δ 345-415Y     | 12.2Δ 7.3Y            | 318               | 38                   | -35                 | <69         | 60                   | 39        |
|             | 60              | 3.45                | 220-275Δ 380-480Y     | 14Δ 8.1Y              | 376               | 45                   | -40                 | <73         | 60                   | 39        |
| HG711-38BR  | 50              | 3.8                 | 200-240Δ 345-415Y     | 15.5Δ 9.0Y            | 400               | 38                   | -38                 | <70         | 60                   | 43        |
|             | 60              | 4.3                 | 220-275Δ 380-480Y     | 17.5Δ 10.2Y           | 450               | 45                   | -35                 | <73         | 60                   | 43        |
| HG750-40CR  | 50              | 4.0                 | 345-415Δ              | 9Δ                    | 420               | 45                   | -41                 | <70         | 75                   | 51        |
|             | 60              | 4.6                 | 380-480Δ              | 9.4Δ                  | 500               | 50                   | -40                 | <73         | 75                   | 51        |
| HG810-55CR  | 50              | 5.5                 | 345-415Δ              | 12.9Δ                 | 500               | 50                   | -48                 | <80         | 75                   | 69        |
|             | 60              | 6.3                 | 380-480Δ              | 12.9Δ                 | 580               | 57                   | -53                 | <82         | 75                   | 69        |
| HG810-75CR  | 50              | 7.5                 | 345-415Δ              | 16.7Δ                 | 520               | 56                   | -51                 | <80         | 75                   | 74        |
|             | 60              | 8.6                 | 380-480Δ              | 17.3Δ                 | 610               | 63                   | -55                 | <82         | 75                   | 74        |
| HG910-90CR  | 50              | 9.0                 | 345-415Δ              | 21Δ                   | 1050              | 58                   | -53                 | <75         | 115                  | 122       |
|             | 60              | 10.3                | 380-480Δ              | 23Δ                   | 1250              | 68                   | -62                 | <79         | 115                  | 122       |
| HG910-110CR | 50              | 11.0                | 345-415Δ              | 28Δ                   | 1100              | 62                   | -55                 | <75         | 115                  | 150       |
|             | 60              | 12.6                | 380-480Δ              | 29Δ                   | 1300              | 72                   | -66                 | <79         | 115                  | 150       |
| HG910-125CR | 50              | 12.5                | 345-415Δ              | 31Δ                   | 1125              | 66                   | -58                 | <75         | 115                  | 154       |
|             | 60              | 14.5                | 380-480Δ              | 32Δ                   | 1320              | 75                   | -68                 | <79         | 115                  | 154       |
| HG910-150CR | 50              | 15.0                | 345-415Δ              | 33Δ                   | 1150              | 70                   | -62                 | <75         | 115                  | 156       |
|             | 60              | 17.3                | 380-480Δ              | 37Δ                   | 1350              | 82                   | -73                 | <79         | 115                  | 156       |
| HG910-185CR | 50              | 18.5                | 345-415Δ              | 41Δ                   | 1200              | 75                   | -67                 | <75         | 115                  | 166       |
|             | 60              | 21.3                | 380-480Δ              | 47Δ                   | 1400              | 89                   | -78                 | <79         | 115                  | 166       |

注：因生产批次及打包方式不同，重量和体积可能存在浮动，建议以实际为准

Notice: Due to different production batches and packaging methods weight and volume may fluctuate, it is recommended to refer to the actual situation

**Permanent Magnet DC Vortex Blower****永磁直流风机**

| 型号<br>Model     | 频率<br>Frequency | 额定功率<br>Rated Power | 额定电压<br>Rated voltage | 额定电流<br>Rated current | 最大风量<br>Max. flow | 最大风压<br>Max.pressure | 最大真空度<br>Max.vacuum | 噪音<br>Noise | 风管口径<br>Duct caliber | 毛重<br>G.W |
|-----------------|-----------------|---------------------|-----------------------|-----------------------|-------------------|----------------------|---------------------|-------------|----------------------|-----------|
|                 | (HZ)            | (KW)                | (V)                   | (A)                   | (m³/h)            | (Kpa)                | (Kpa)               | (db)        | (mm)                 | (KG)      |
| HG010-12AH1-24V | 50              | 0.12                | 24                    | 5                     | 29                | 6                    | -5.8                | <46         | 32                   | 8         |
|                 | 60              | 0.14                | 24                    | 5.8                   | 32                | 6.5                  | -6.2                | <48         | 32                   | 8         |
| HG011-18AH1-24V | 50              | 0.18                | 24                    | 7.5                   | 40                | 7.2                  | -7                  | <46         | 32                   | 9         |
|                 | 60              | 0.2                 | 24                    | 8.3                   | 45                | 7.8                  | -7.2                | <48         | 32                   | 9         |
| HG110-25AH2-24V | 50              | 0.25                | 24                    | 10.4                  | 48                | 9                    | -9                  | <46         | 40                   | 12        |
|                 | 60              | 0.3                 | 24                    | 12.5                  | 55                | 10                   | -9.5                | <48         | 40                   | 12        |
| HG210-37AH3-24V | 50              | 0.37                | 24                    | 15.4                  | 80                | 12                   | -11                 | <53         | 40                   | 15        |
|                 | 60              | 0.42                | 24                    | 17.5                  | 95                | 12                   | -11                 | <56         | 40                   | 15        |
| HG310-55AH3-48V | 50              | 0.55                | 48                    | 11.5                  | 85                | 13                   | -12                 | <57         | 40                   | 16        |
|                 | 60              | 0.62                | 48                    | 12.9                  | 98                | 13                   | -13                 | <60         | 40                   | 16        |
| HG410-75AH4-48V | 50              | 0.75                | 48                    | 15.6                  | 140               | 12                   | -12                 | <63         | 50                   | 20        |
|                 | 60              | 0.83                | 48                    | 17.3                  | 170               | 13                   | -13                 | <64         | 50                   | 20        |
| HG510-11BH4-60V | 50              | 1.1                 | 60                    | 18.3                  | 210               | 16                   | -16                 | <64         | 60                   | 24        |
|                 | 60              | 1.25                | 60                    | 20.8                  | 255               | 14                   | -14.5               | <70         | 60                   | 24        |
| HG510-15BH5-72V | 50              | 1.5                 | 72                    | 20.8                  | 210               | 19                   | -20                 | <65         | 60                   | 25        |
|                 | 60              | 1.75                | 72                    | 24.3                  | 255               | 21                   | -22                 | <71         | 60                   | 25        |

注：因生产批次及打包方式不同，重量和体积可能存在浮动，建议以实际为准

Notice: Due to different production batches and packaging methods weight and volume may fluctuate, it is recommended to refer to the actual situation

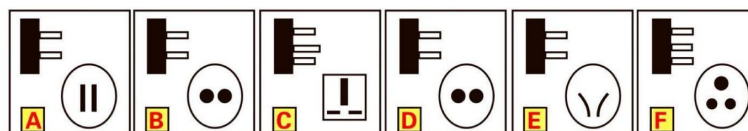


## 旋涡风机配件 (因批次不同外观可能存在差异,图片仅供参考,建议以实物为准)

### Vortex Blower Fittings (for reference only)

|                                                                                                                     |                                                                                                               |                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <p>过滤器<br/>Filter</p>              | <p>释压阀<br/>Relief valve</p>  | <p>消音器<br/>Silencer</p>           |
| <p>真空风管头<br/>Vacuum duct head</p>  | <p>风刀<br/>Air knife</p>     | <p>集尘过滤桶<br/>Filter buckets</p>  |

## 各國電壓、頻率、單相電源插頭對照表



| 美洲、非洲、澳洲 |        |          |          |         | 亞洲      |           |          |             |         | 歐洲      |        |          |          |         |
|----------|--------|----------|----------|---------|---------|-----------|----------|-------------|---------|---------|--------|----------|----------|---------|
| 国名 (地區)  | 單相電壓插頭 | 單相電壓 (V) | 三相電壓 (V) | 頻率 (Hz) | 国名 (地區) | 單相電壓插頭    | 單相電壓 (V) | 三相電壓 (V)    | 頻率 (Hz) | 国名 (地區) | 單相電壓插頭 | 單相電壓 (V) | 三相電壓 (V) | 頻率 (Hz) |
| 美國       | A      | 120      | 240/480  | 60      | 韓國      | A/D/E     | 110/200  | 200/220/380 | 60      | 英國      | C      | 240      | 415/480  | 50      |
| 夏威夷      | A      | 120      | 240/480  | 60      | 日本      | A         | 100      | 200         | 50/60   | 愛爾蘭     |        | 220      | 380      | 50      |
| 關島、賽班    | A      | 120      | 240/480  | 60      | 香港      | D/F       | 200      | 220/346/380 | 50      | 法國      | D      | 127/220  | 380      | 50      |
| 加拿大      | A      | 120      | 240/480  | 60      | 中國      | A/C/D/E/F | 220      | 380         | 50      | 荷蘭      | D      | 220      | 400      | 50      |
| 墨西哥      | A      | 127      | 220      | 60      | 臺灣      | A         | 110      | 220/380     | 60      | 比利時     | D      | 127/220  | 380      | 50      |
| 巴西       |        | 127      | 220/380  | 60      | 菲律賓     | A/C/E     | 277      | 220/400     | 60      | 盧森堡     | D      | 120/220  | 380      | 50      |
| 智利       |        | 220      | 380      | 50      | 泰國      | C/D       | 220      | 380         | 50      | 德國      | D      | 220      | 380      | 50      |
| 哥倫比亞     |        | 110      | 220      | 60      | 新加坡     | B/C/D     | 230      | 400/415/440 | 50      | 瑞士      | D      | 220      | 380      | 50      |
| 哥斯達黎加    |        | 120      | 240      | 60      | 伊朗      |           | 220      | 380         | 50      | 奧地利     | D      | 220      | 380      | 50      |
| 多尼加      |        | 110      | 220      | 60      | 以色列     |           | 230      | 400         | 50      | 意大利     | D      | 127/220  | 380      | 50      |
| 秘魯       |        | 110      | 220      | 60      | 約旦      |           | 220      | 380         | 50      | 西班牙     | A/D    | 137/220  | 220/380  | 50      |
| 厄瓜多爾     |        | 127      | 220      | 60      | 科威特     |           | 240      | 415         | 50      | 葡萄牙     | D      | 220      | 380      | 50      |
| 摩洛哥      |        | 127      | 220/380  | 50      | 馬來西亞    |           | 240      | 400/415/440 | 50      | 丹麥      | D      | 220      | 380      | 50      |
| 波多黎各     |        | 120      | 240      | 60      | 巴基斯坦    |           | 220      | 380/400     | 50      | 芬蘭      | D      | 220      | 380      | 50      |
| 阿根廷      |        | 220      | 380      | 50      | 越南      |           | 120      | 208/220/380 | 50      | 瑞典      | D      | 220      | 380      | 50      |
| 委內瑞拉     |        | 120      | 240      | 60      | 敘利亞     |           | 220      | 380         | 50      | 挪威      | D      | 220      | 380      | 50      |
| 埃及       |        | 220      | 380      | 50      | 沙特阿拉伯   |           | 127      | 220/380/415 | 50/60   | 希臘      | D      | 220      | 380      | 50      |
| 南非       |        | 220      | 380      | 50      | 孟加拉     |           | 220      | 380         | 50      | 波蘭      | D      | 220      | 380      | 50      |
| 尼日利亞     |        | 220      | 380      | 50      | 印尼      |           | 127      | 220/380     | 50      | 土耳其     |        | 110      | 220/380  | 50      |
| 澳大利亞     | E      | 240      | 415      | 50      | 印度      |           | 230      | 400         | 50      | 俄羅斯     | A/D    | 127/220  | 380      | 50      |
| 新西蘭      | E      | 230      | 400      | 50      |         |           |          |             |         |         |        |          |          |         |

## APPLICATION EXAMPLE USE FOR BLOWING

### • Blow Hoover exhaust cool transport air cushion

|                                                                                                                                                                                   |                                                                                                                                                                                                              |                                                                                                                                        |                                                                                                                                                            |                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <p>The gas and heavy oil gush out firing</p> <p>The adequate ventilation from high pressure air (2.000mmHg) will reduce the dissipation of compressor.</p>                        | <p>Bottle washing machine drying up</p> <p>Drying up the water drops on the beverage bottle. Fit for Food industry.</p>                                                                                      | <p>Collecting the bits automatically after paper cutting</p> <p>Automatic collection of plastic/cloth/ paper cutting edge.</p>         | <p>Blower For Drying / Debris Removal With Air Knife</p> <p>The air pump can be used to blow dust and debris on circuit board</p>                          | <p>Air cushion</p> <p>Increasing the buoyancy force to make it move easily</p>                       |
| <p>The fermentation of excrement gas aeration</p> <p>High pressure air is blown into the storage tank, increased the contact area. It also suitable for polluted wasted water</p> | <p>Documents conveying</p> <p>It's more accurate and fast to convey document by air pump force</p>                                                                                                           | <p>The electrolyte stirring</p> <p>Stirring the electrolyte and disperse the water bubble, that make electroplate rapidly and even</p> | <p>Oxygen supply for aquaculture</p> <p>Supply air to one or several tanks in order to bring oxygen to bacteria which must degrade the organic matter.</p> | <p>Punching machine</p> <p>It's convenient to take out the stamping under the pressure air help.</p> |
| <p>Powder Conveying Systems</p> <p>Powder conveying through a pipe line has been one of the major uses for air pump</p>                                                           | <p>Efficient Furnace Fuel Burning</p> <p>These blowers deliver higher pressure compared to centrifugal blower, making it possible to improve fuel to air mixing, leading to very effective fuel burning.</p> | <p>Disperse the smoke</p> <p>Disperse the smoke rapidly to reduce pollution</p>                                                        | <p>Car washing and drying</p> <p>Drying up the car rapidly after washing</p>                                                                               | <p>Drying for printing machine</p> <p>Air pump is widely used on ink drying</p>                      |

## APPLICATION EXAMPLE USE FOR VACUUM

### • Blow Hoover exhaust cool transport air cushion

|                                                                                                      |                                                                                                                                                                             |                                                                                                        |                                                                                                                           |                                                                                                |
|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <p>Sorption in screen printer</p> <p>The powerful sorption produced by air pump can fix printing</p> | <p>Exhaust gas absorbing in welding</p> <p>The smoke and dust generated during welding can be discharged to other places in vacuum mode to ensure the operator's health</p> | <p>Automatic Loom Machines</p> <p>Keep threads and yarn in place during processing.</p>                | <p>Photo - engraving</p> <p>The vacuum suction force will protect film, make it flat.</p>                                 | <p>Air pump for powder conveying Systems</p> <p>Powder conveying by blowing or sucking air</p> |
| <p>Paper Transfer</p> <p>Move Paper through the printing process.</p>                                | <p>Industrial dust collection</p> <p>Collect dust and debris remaining on or around machines.</p>                                                                           | <p>Vacuum filtrating dewatering</p> <p>Dewater for pollution water, cloths, thick liquid and so on</p> | <p>Cutting book machine</p> <p>Fix the inner page when the book was cutting</p>                                           | <p>Excess Cloth Removal</p> <p>Remove leftover cloth and threads after trimming.</p>           |
| <p>Milk carton bottling machine</p> <p>Bottling the milk carton by vacuum</p>                        | <p>Bean curd machine</p> <p>Suck the soybean and delivery to the cleaning tank</p>                                                                                          | <p>Keeping processing</p> <p>Fix the wood, plastic and other non-magnetic items</p>                    | <p>Construction/ Clean Rooms</p> <p>Remove powders, dust and gases from tunnels, clean rooms or other enclosed spaces</p> | <p>Ironing machine</p> <p>Discharge the steam when ironing</p>                                 |





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