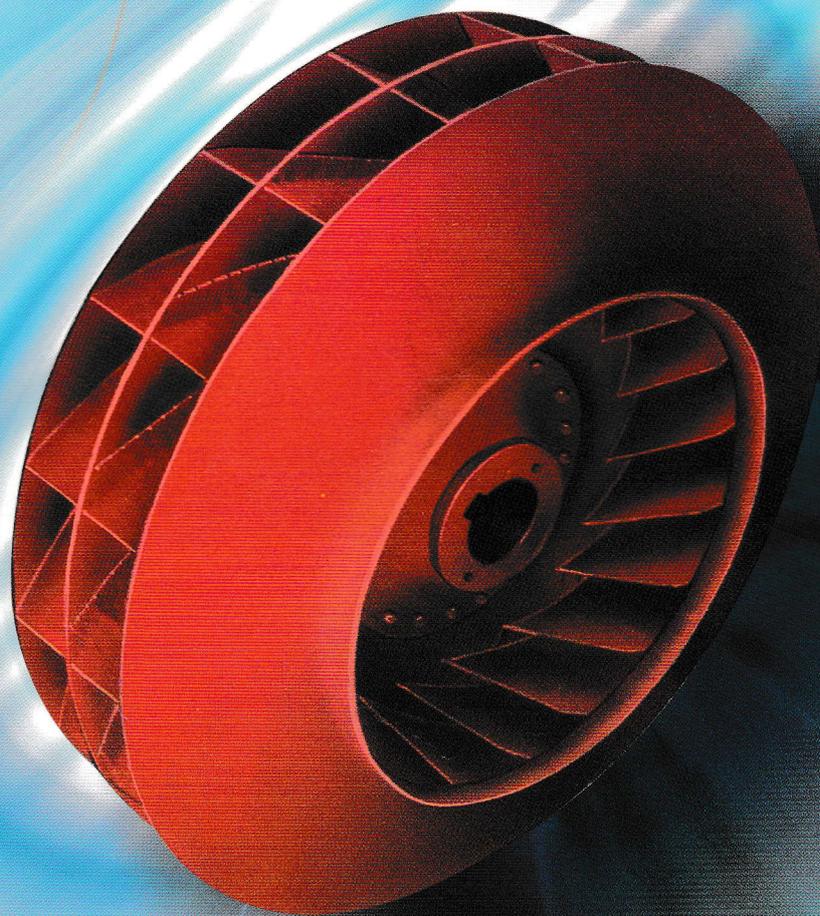


龍楓抽送風機

LONG FONG
FANS & BLOWERS



龍楓機電股份有限公司

LONG FONG ELECTRIC CO., LTD.

沿革

History

龍風創立於50年代產製各種抽送風機和收塵設備，多年來綜合國內外最新學術，積極地從事研究開發並積極引進歐、美、日新銳加工儀器等，經驗及技術和設計人才的養成。使龍風抽送風機能以高效率低噪音，堅固耐用之特色產品行銷全國及海外。

本公司之產品廣泛地使用於各種生產設備，造船、化工、造紙、合板木業、製糖業、水泥、飼料廠、金屬熔解廠，焚化爐、排煙、空調及公害環保防治設備等等。今後本公司仍秉持一貫嚴謹的態度以創新開發的精神，繼續提供高品質，高技術的產品及最佳的服務來答謝客戶的愛護，並自我其許大步邁向龍風更燦爛輝煌的明天。

產品系列

Products

透浦式抽送風機

Turbo Fans and Blowers

高壓透浦式抽送風機

High Pressure Turbo Fans

直翼式抽送風機

Plate Fans and Blowers

翼截式抽送風機

Airfoil Fans

定載式抽送風機

Limit-Load Fans

多翼式抽送風機

Multi-Blade Fans

軸流式抽送風機

Axial-Flow Fans

超底溫軸流式送風機

Super Low-Temperature Axial Flow Fans

Long Fong, established in the early 50s has been dedicated to the manufacturing of various types of fans, blowers and dust-collecting products.

Through out these years, **Long Fong** has spared no efforts in training and cultimating its engineering staff, particularly the design engineers. It has incessantly put in tremendous amount of time and effort into its well planned research and development activities. This includes the studies, evaluations and applications of related new technologies available domestically and abroad in order to produce the latest and upgraded equipment.

In order to continuously manufacture these products in the highest standard of quality, **Long Fong** has acquired latest processing machineries and instruments, from U.S.A, Japan and Europe, to improve and maintain its high standard and reliabilities.

We are proud and able to say that our team of design expertise, with experiences and leading technologies have made what Long Fong is today. Today, **Long Fong's** products enjoy very good sale in Taiwan and overseas, all featuring high efficiency, low noise level, durablilities and robustness.

Our broad range of products are widely used in various manufacturing and servicing industries, such as, ship building, chemical plants, paper mills, plywood and various timber industries, sugar factories, cement mills, animal feed industries, metal melting and steel smelting factories, incinators, smoke and dust extraction systems, airconditioning plants and systems, environment and pollutions control systems, etc.

We appreciate the long association patronage and great confidence of our many customers. We, therefore, are committed to continously maintain manufacturing our various range of products to the highest standard and provide our usual follow-up service policy.

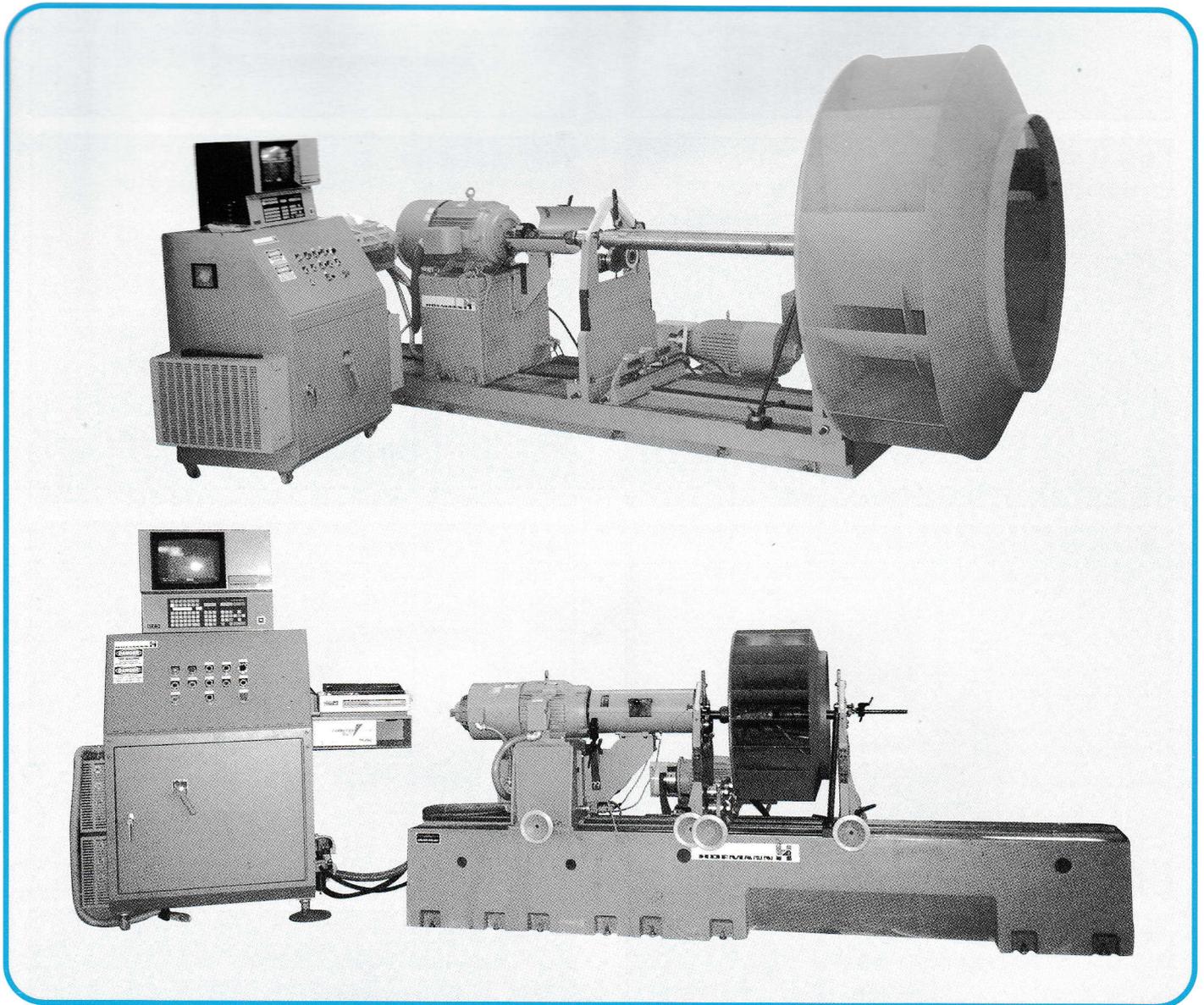


龍風抽送風機動力平衡試驗機

LONG FONG FANS CALIBRATE & DYNAMIC BALANCE EQUIPMENT

本公司為各種抽送風機及集塵設備之專業工廠，為提高產品之品質，自歐、美、日，國家引進最新型高精密度動力平衡試驗機數部，並為各種回轉體作精密而正確之校正。

Long Fong is a specialised establishment with the aim of producing the best quality of industrial fans, blowers and dust collecting equipment. In order to meet the high expectations of the customers, Long Fong has acquired a number of latest and precise equipment (from USA, Japan and Europe) to accurately calibrate and balance its finished products for efficiency and reliable service.



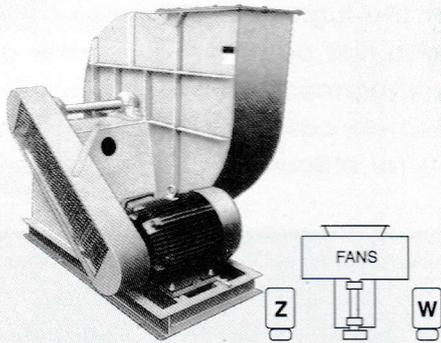
| 處理範圍 THE RANGE OF OPERATION | 型式 Model | H-16.1 | H-19 | H-24 |
|---|-------------|---------|----------|----------|
| 最大操作直徑m/m φ THE MAXIMUM OPERATION DIAMETER m/m | | 500mm φ | 1000mm φ | 3000mm φ |
| 最大操作長度m/mL THE MAXIMUM OPERATION LENGTH m/mL | | 1000mmL | 4000mmL | 6600mmL |
| 最大容許重量kg THE MAXIMUM CAPACITY WEIGHT kg | | 80kg | 450kg | 4500kg |



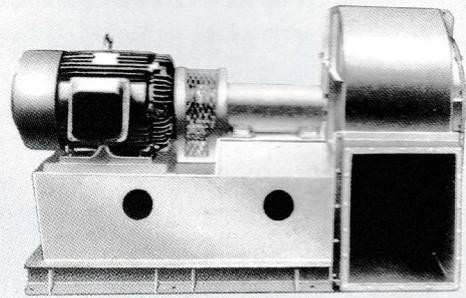
龍風抽送風機傳動方式參考圖

LONG FONG FANS-DRIVE METHOD REFERENCE CHARTS

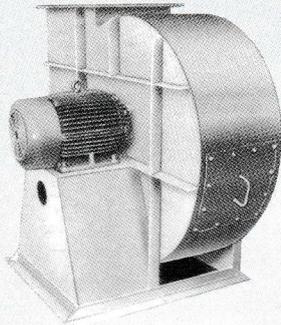
●皮帶驅動式
BELT-DRIVE TYPE



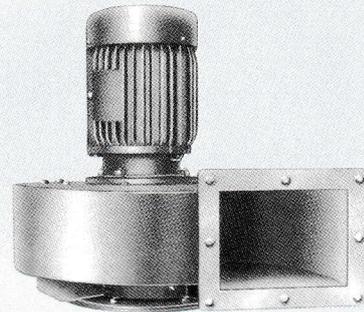
●聯結器直結驅動式
DIRECT.COUPLING DRIVEN TYPE



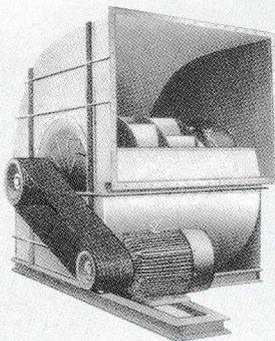
●臥式馬達直結式
HORIZONTAL MOTOR DIRECT.COUPLING TYPE



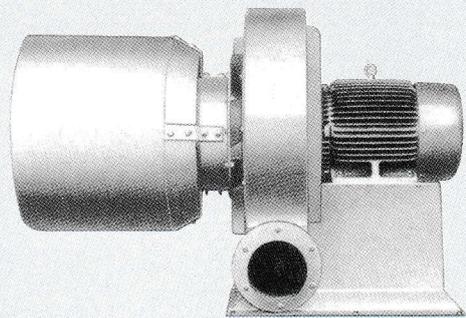
●立式馬達直結式
VERTICAL MOTOR DIRECT.COUPLING TYPE



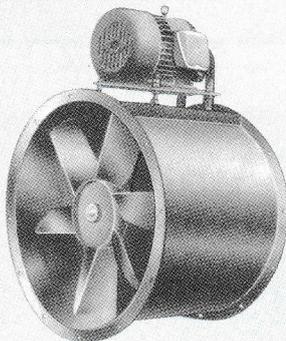
●皮帶雙入口式
BELT DRIVEN WITH DOUBLE INPUTS TYPE



●吸入風口消音器
SUCTION NOISE DAMPING DEVICE



●軸流皮帶驅動式
AXIAL-FLOW BELT DRIVEN TYPE



●軸流直結式
AXIAL DIRECT.COUPLING TYPE



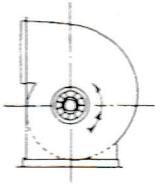


龍風抽送風機出口方向之選擇

LONG FONG FANS-DISCHARGE DIRECTIONS

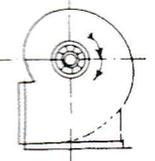
請面對皮帶輪或馬達
FACING PULLEY OR MOTOR

風管裝配法如圖：
DUCT CONNECTIONS



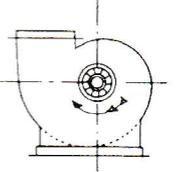
① 上部水平
反時計回轉

top, horizontal and counter-clockwise



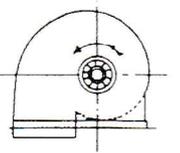
③ 下部水平
時計回轉

bottom, horizontal and clockwise



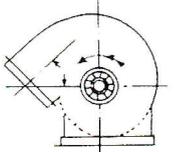
⑤ 上方向
時計回轉

top, upright and counter-clockwise



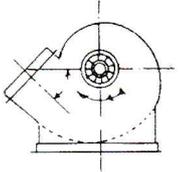
⑦ 下方向
反時計回轉

bottom, downright and counter-clockwise



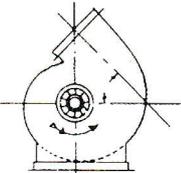
⑨ 上部斜下向
反時計回轉

skew down from top and counter-clockwise



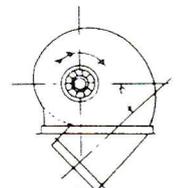
⑪ 下部斜上向
時計回轉

skew up from bottom and clockwise



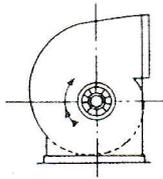
⑬ 上部斜上向
反時計回轉

skew up from top and counter-clockwise



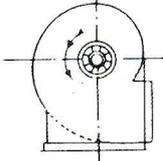
⑮ 下部斜下向
時計回轉

skew down from bottom and clockwise



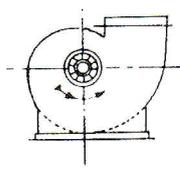
② 上部水平
時計回轉

top, horizontal and clockwise



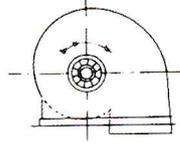
④ 下部水平
反時計回轉

bottom, horizontal and counter-clockwise



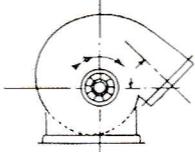
⑥ 上方向
反時計回轉

top, upright and counter-clockwise



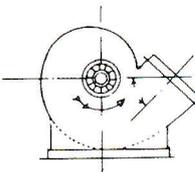
⑧ 下方向
時計回轉

bottom, downright and clockwise



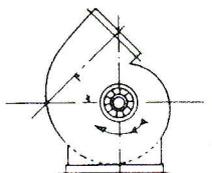
⑩ 上部斜下向
時計回轉

skew down from top and clockwise



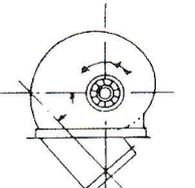
⑫ 下部斜上向
反時計回轉

skew down from top and clockwise



⑭ 上部斜上向
時計回轉

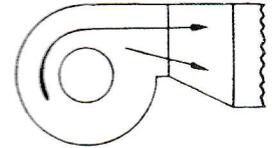
skew up from top and clockwise



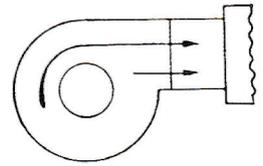
⑯ 下部斜下向
反時計回轉

skew down from bottom and counter-clockwise

對
correct



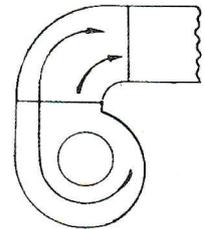
錯
wrong



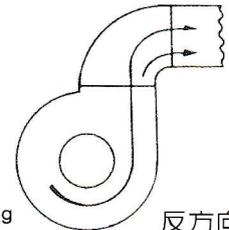
急擴大

due to abrupt change
in duct size

對
correct



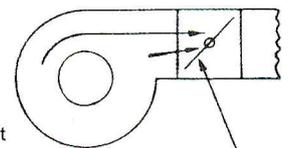
錯
wrong



反方向

due to reverse direction

對
correct



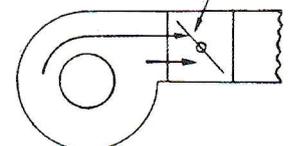
開關

Damper

Damper orientation correct

開關

錯
wrong

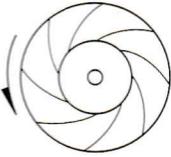
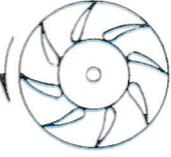
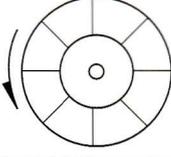
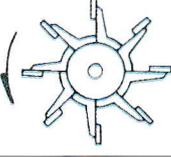
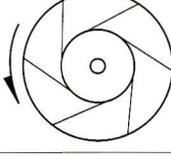
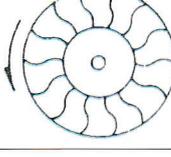
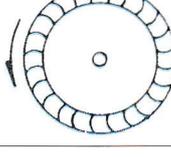
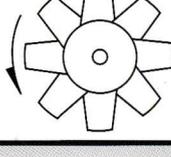


Damper orientation incorrect



龍風抽送風機葉輪構造及用途

LONG FONG FANS-BLADE CONFIGURATIONS & APPLICATIONS

| 型 式 | 葉 輪 構 造 | 特 徵 與 用 途 |
|--------------------------|---|--|
| 透 浦 式 Turbo Type |  | 此為一般最常用的機種，葉片呈後向彎曲 (back-ward bending)。構造堅固故可高速旋轉，自低壓至高壓均可製出。其葉輪容許少量灰塵進入，但不耐大量之灰塵。適用於所有各種氣體的輸送或集塵設備之抽風等。用途最為廣泛。 |
| 翼 截 式 Airfoil Type |  | 此係透浦式之改良型，其葉片依飛機翼型製造，效率高，且具有定載性(limit load characteristic)不虞馬達超載。其噪音亦為所有機種中之最低者。適用於一般之通風設備，如辦公大樓或工廠之空氣調節，各種窯爐之送風等。 |
| 直 翼 式 Plate Type |  | 此葉輪之葉片出口角度呈徑向輻射而出。有時與槳葉式同稱為板葉式(Plate type)。其葉輪較耐磨損，容許固體進入。適用於中含塵量之集塵設備或粉粒體之輸送，亦適用於各種窯爐之抽風等。 |
| 槳 葉 式 Paddole Type |  | 此係由直翼式轉變而得的型式。其葉輪並無側板，葉片完全成單獨板狀，因構造關係轉數不宜過高，但較耐磨且粉塵不易附著，容許高含量的氣體進入，及有線狀之含塵更易於排出，適用於各種窯爐的直接抽風，集塵設備以及粉粒體輸送。 |
| 徑 向 式 Radial Type |  | 此葉輪呈後向直翼式，俱備翼型，定載式及靜音之特性，結構簡單耐磨損亦堅固，容許固體進入不易附著，適用於鍋爐之送風，集塵設備，粉粒輸送及一般工廠之強力通風。 |
| 定 載 式 Limit Load Type |  | 此葉輪葉片為S型，係透浦式與多翼式之綜合改良型，具有定載性故通稱定載式，其葉輪容許微粉進入，適用於一般之排氣換氣及窯爐之循環風扇等。 |
| 多 翼 式 Siroco Type |  | 此葉輪之葉片呈前向彎曲(forward bending)片數多達數十片。風量較大，但因葉輪構造簡單僅適於低速旋轉，故壓力低。其葉輪直徑每6吋為1號。適用於工廠或建築物之空氣調節，冷氣輸送等。 |
| 軸 流 式 Axial Type |  | 此送風機之風向與轉軸同向，置於管路中按裝與拆解皆甚方便。其風量大、壓力低。風門全開時所需馬力最低，與離心形剛好相反。外形可分為馬達內藏型，皮帶驅動型與曲管型等。適用於紡織工廠、船舶、墜道或冷水塔通風等。 |

- ★ 附件選用 (Accessory)：可附裝清除孔、排洩孔、出入口開關、消音器、出入口方轉圓或圓轉方管等。
- ★ 冷卻方法 (Cooling)：輸送常溫氣體可用空冷式軸承，高溫氣體則用水冷式或特殊空冷式。
- ★ 材質選擇 (Material)：包括一般鋼板、不銹鋼板、耐磨鋼板、鑄鋁合金、鋁板、鑄鐵等。
- ★ 潤滑方式 (Lubrication)：低速旋轉者採用滑脂潤滑，高速旋轉者採用浸油、噴油或強制潤滑。
- ★ 驅動方式 (Drive)：利用三角皮帶、聯結器直結或馬達軸直結等三種方式驅動。
- ★ 特殊加襯 (Lining)：為耐酸、耐鹼、耐磨，可施以FRP加襯、橡膠加襯、鋼板加襯等。
- ★ 平衡校正 (Balancing)：葉輪及皮帶輪，都經本公司動力平衡試驗機細心校正。



送風機的選定及性能圖之選擇

SIZING FANS & BLOWERS USING PERFORMANCE CHARTS

選定圖係按照每個送風機的順序，定為橫軸表示風量(m³/min)，縱軸表示靜壓(mmAq)，則其交點的回轉數，就是送風機的回轉數，包含交點的動力的範圍為所需要的馬力。

選定例 (參照右圖) Example(refer to the performance chart on the right):
機型：TFB-5 1/2 Model：TFB - 5 1/2"
風量=260 m³/min Volume Capacity：260 m³/min
靜壓=340 mmAq Static pressure: 340 mmAq

選定程序

- 1 風量：由橫軸260m³/min之點畫垂直線。
- 2 靜壓：由縱軸340mmAq 之點畫水平線。
- 3 馬力：由交點的範圍內求得。(30HP)
- 4 轉數：由交點右下角求得。(1610RPM)

此型錄選定圖以吸進標準吸入狀態的空氣(比重1.2 kg/m³)為基準。吸入狀態的空氣(絕對壓力760mmHg、溫度20°C、濕度65%、比重量1.2 kg/m³)若操作規格不同於上述條件時，請由下面的公式換算後選定。

1. 吸入空氣20°C以外的情形

$$PS = \frac{T+t_1}{T+20} \times PS_1 \quad L_1 = \frac{T+20}{T+t_1} \times L$$

2. 比重量不同的氣體的情形

$$PS = \frac{1.2}{r_1} \times PS_1 \quad L_1 = \frac{r_1}{1.2} \times L$$

PS：換算成標準狀態(選定圖)的靜壓(mmAq)

PS₁：使用狀態的靜壓(mmAq)

L：標準狀態的電動機馬力(HP)

L₁：使用狀態的電動機馬力(HP)

T：絕對溫度273°K

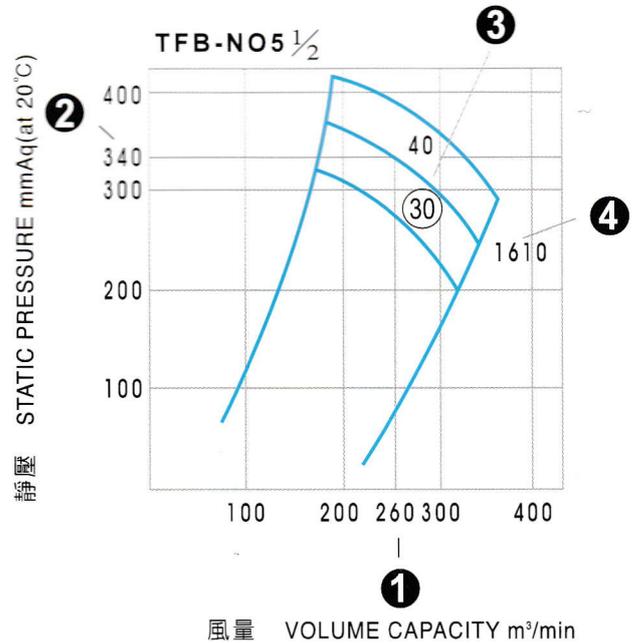
t₁：氣體的溫度(°C)

r₁：氣體的比重量(kg/m³)

Sizing procedures:

1. Locate volume of 260 m³/min on the x-axis and draw a vertical line therefrom.
2. Locate static pressure of 340 mmAq on the y-axis and draw a horizontal line therefrom.
3. horsepowers can be readily read out from the horsepower region where the intersection of the vertical and the horizontal lines drawn in 1. and 2. is in it is found to be 30HP for this instance.
4. Revolution in rpm is provided lower right to the intersection and is found to be 1610 rpm in this case.

Performance charts for all models of fans/blowers are provided herewith in due order, in which the x-axis denotes volume in m³/min while the y-axis indicates static pressure in mmAq. Example below shows how to size a blower, with known requirements on volume and static pressure.



The performance charts provided in this catalogue are made basing upon standard conditions for the sucked air as below:

- ▲ Specific weight of sucked air: 1.2 kg/m³
- ▲ Absolute pressure: 760 mmHg
- ▲ Ambient temperature: 20°C
- ▲ Humidity: 65%

if operating conditions are different from those described above, following formulas should be used to get them adjusted accordingly:

1. For temperature deviations

$$PS = \frac{T+t_1}{T+20} \times PS_1 \quad L_1 = \frac{T+20}{T+t_1} \times L$$

2. For specific weight deviations

$$PS = \frac{1.2}{r_1} \times PS_1 \quad L_1 = \frac{r_1}{1.2} \times L$$

Where PS = Static pressure already adjusted to be equivalent to standard conditions.

PS₁ = operating static pressure (mmAq)

L = Motor horsepowers (HP) with reference to standard conditions

L₁ = Motor horsepowers (HP) with reference to operating conditions

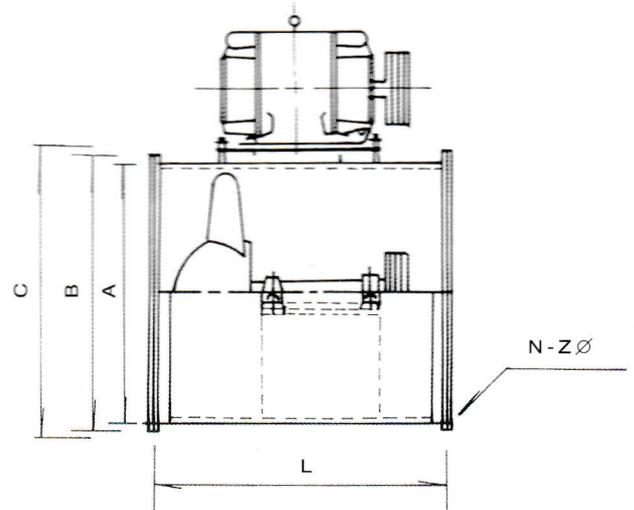
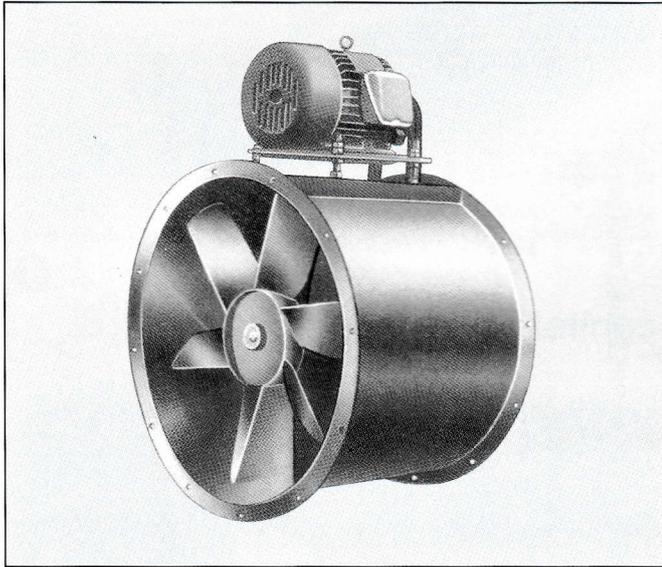
T = Absolute temperature 273°K

t₁ = Sucked air temperature (°C)

r₁ = Sucked air specific weight (kg/m³)

本機型為皮帶驅動式，以最少之馬力達到最佳之效果，風量特大配合密閉式軸承保養簡便，適用於一般低風壓高風量之場所。

The fan is belt driven by a small motor. It is well constructed and fitted with sealed bearings for easy maintenance and reliable service. It is highly efficient for static pressure and great volume in ventilation applications.



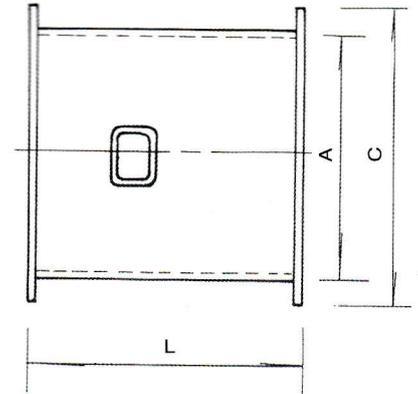
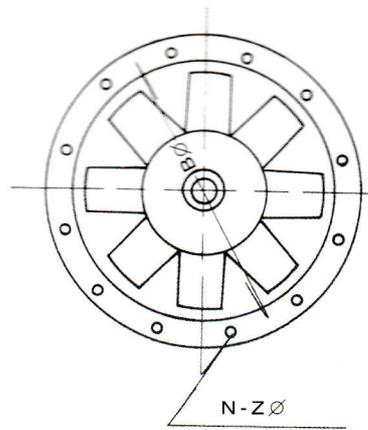
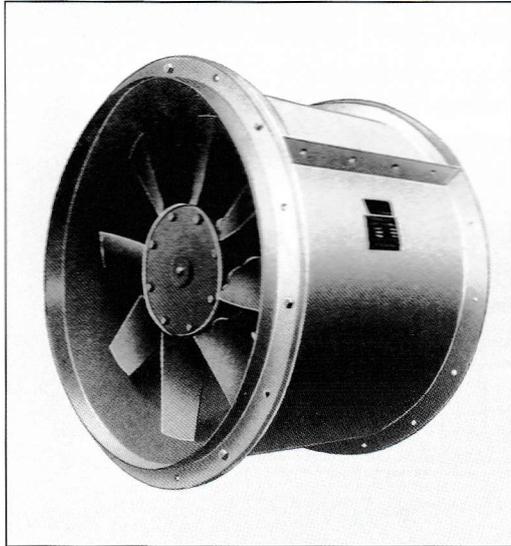
選擇及能量 Selections & Ratings

| 型 式 TYPE | 電 動 機 | | 風 量 m ³ /min | 靜 壓 mmAq | 尺 寸 (Dimensions)mm | | | | |
|-------------|-------|------|----------------------------|-------------|--------------------|------|------|------|-------|
| | HP | RPM | | | A | B | C | L | N-Z φ |
| AFB-20 | 1/2 | 1400 | 60 | 10 | 520 | 550 | 580 | 450 | 14-10 |
| | 1 | 1600 | 100 | 15 | 520 | 550 | 580 | 450 | 14-10 |
| AFB-22 | 1 | 1670 | 120 | 15 | 570 | 600 | 630 | 500 | 14-11 |
| | 2 | 2100 | 140 | 25 | 570 | 600 | 630 | 500 | 14-11 |
| AFB-24 | 1 | 1390 | 130 | 12 | 625 | 655 | 685 | 550 | 16-11 |
| | 2 | 1750 | 170 | 20 | 625 | 655 | 685 | 550 | 16-11 |
| | 3 | 1970 | 200 | 25 | 625 | 655 | 685 | 550 | 16-11 |
| AFB-32 | 2 | 1060 | 240 | 15 | 830 | 880 | 930 | 700 | 18-15 |
| | 3 | 1210 | 280 | 20 | 830 | 880 | 930 | 700 | 18-15 |
| | 5 | 1450 | 320 | 30 | 830 | 880 | 930 | 700 | 18-15 |
| AFB-36 | 3 | 960 | 350 | 15 | 935 | 985 | 1035 | 800 | 18-15 |
| | 5 | 1200 | 400 | 25 | 935 | 985 | 1035 | 800 | 18-15 |
| | 7 1/2 | 1400 | 450 | 30 | 935 | 985 | 1035 | 800 | 18-15 |
| AFB-40 | 5 | 910 | 500 | 20 | 1035 | 1085 | 1135 | 900 | 20-15 |
| | 7 1/2 | 1200 | 550 | 25 | 1035 | 1085 | 1135 | 900 | 20-15 |
| AFB-48 | 5 | 760 | 560 | 15 | 1240 | 1305 | 1370 | 1000 | 24-17 |
| | 7 1/2 | 870 | 650 | 20 | 1240 | 1305 | 1370 | 1000 | 24-17 |
| | 10 | 960 | 730 | 25 | 1240 | 1305 | 1370 | 1000 | 24-17 |
| AFB-56 | 7 1/2 | 620 | 900 | 15 | 1445 | 1510 | 1575 | 1100 | 28-17 |
| | 10 | 710 | 1000 | 20 | 1445 | 1510 | 1575 | 1100 | 28-17 |
| | 15 | 810 | 1200 | 25 | 1445 | 1510 | 1575 | 1100 | 28-17 |
| | 20 | 900 | 1350 | 30 | 1445 | 1510 | 1575 | 1100 | 28-17 |

本機為鋁合金鑄造翼截型扇葉，可調整節矩，改變風量及風壓之大小且節省馬力，適用於一般通風換氣，用途最為廣泛。

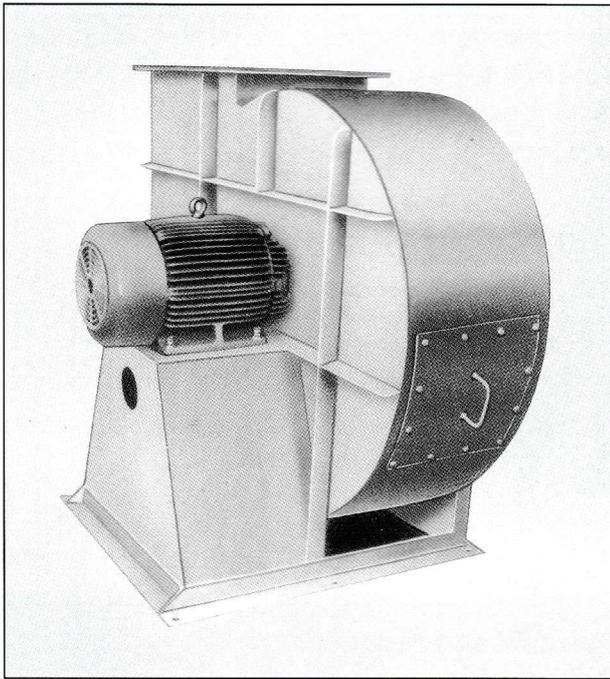
The fan is equipped with aeroflow blades for efficient and reliable performance. The air flow output can be regulated by selecting the right motors to suit the relevant operations or requirements.

It is widely used for general ventilation purposes.



選擇及能量 Selections & Ratings

| 型 式 TYPE | 馬 力 HP | 轉 數 RPM | 風 量 m ³ /min | 靜 壓 mmAq | 尺 寸 (Dimensions)mm | | | | |
|-------------|-----------|------------|----------------------------|-------------|--------------------|------|------|-----|-------|
| | | | | | A | B | C | L | N-Z φ |
| VAF-20 | 2 | 1750 | 135 | 15 | 520 | 550 | 580 | 450 | 14-11 |
| VAF-24 | 3 | 1750 | 195 | 15 | 625 | 655 | 685 | 480 | 16-11 |
| VAF-28 | 3 | 1160 | 260 | 13 | 725 | 765 | 805 | 550 | 16-11 |
| | 5 | 1750 | 290 | 15 | 725 | 765 | 805 | 550 | 16-11 |
| VAF-30 | 3 | 970 | 300 | 13 | 780 | 820 | 860 | 600 | 16-13 |
| | 5 | 1160 | 340 | 20 | 780 | 820 | 860 | 600 | 16-13 |
| | 7½ | 1750 | 358 | 30 | 780 | 820 | 860 | 600 | 16-13 |
| VAF-32 | 5 | 1160 | 360 | 20 | 830 | 880 | 930 | 600 | 18-15 |
| | 7½ | 1750 | 370 | 25 | 830 | 880 | 930 | 620 | 18-15 |
| | 10 | 1750 | 430 | 35 | 830 | 880 | 930 | 650 | 18-15 |
| VAF-36 | 5 | 1160 | 398 | 15 | 935 | 985 | 1035 | 650 | 18-15 |
| | 7½ | 1160 | 460 | 20 | 935 | 985 | 1035 | 650 | 18-15 |
| | 10 | 1750 | 492 | 30 | 935 | 985 | 1035 | 650 | 18-15 |
| VAF-42 | 7½ | 1160 | 549 | 15 | 1085 | 1135 | 1185 | 680 | 22-15 |
| | 10 | 1160 | 650 | 20 | 1085 | 1135 | 1185 | 780 | 22-15 |
| | 15 | 1750 | 670 | 30 | 1085 | 1135 | 1185 | 780 | 22-15 |
| VAF-48 | 15 | 1160 | 948 | 20 | 1240 | 1305 | 1370 | 850 | 24-17 |
| | 20 | 1160 | 1000 | 30 | 1240 | 1305 | 1370 | 900 | 24-17 |
| | 25 | 1160 | 1020 | 40 | 1240 | 1305 | 1370 | 900 | 24-17 |
| VAF-54 | 20 | 1160 | 1245 | 20 | 1390 | 1455 | 1520 | 900 | 28-19 |
| | 25 | 1160 | 1302 | 30 | 1390 | 1455 | 1520 | 950 | 28-19 |
| | 30 | 1160 | 1443 | 40 | 1390 | 1455 | 1520 | 950 | 28-19 |



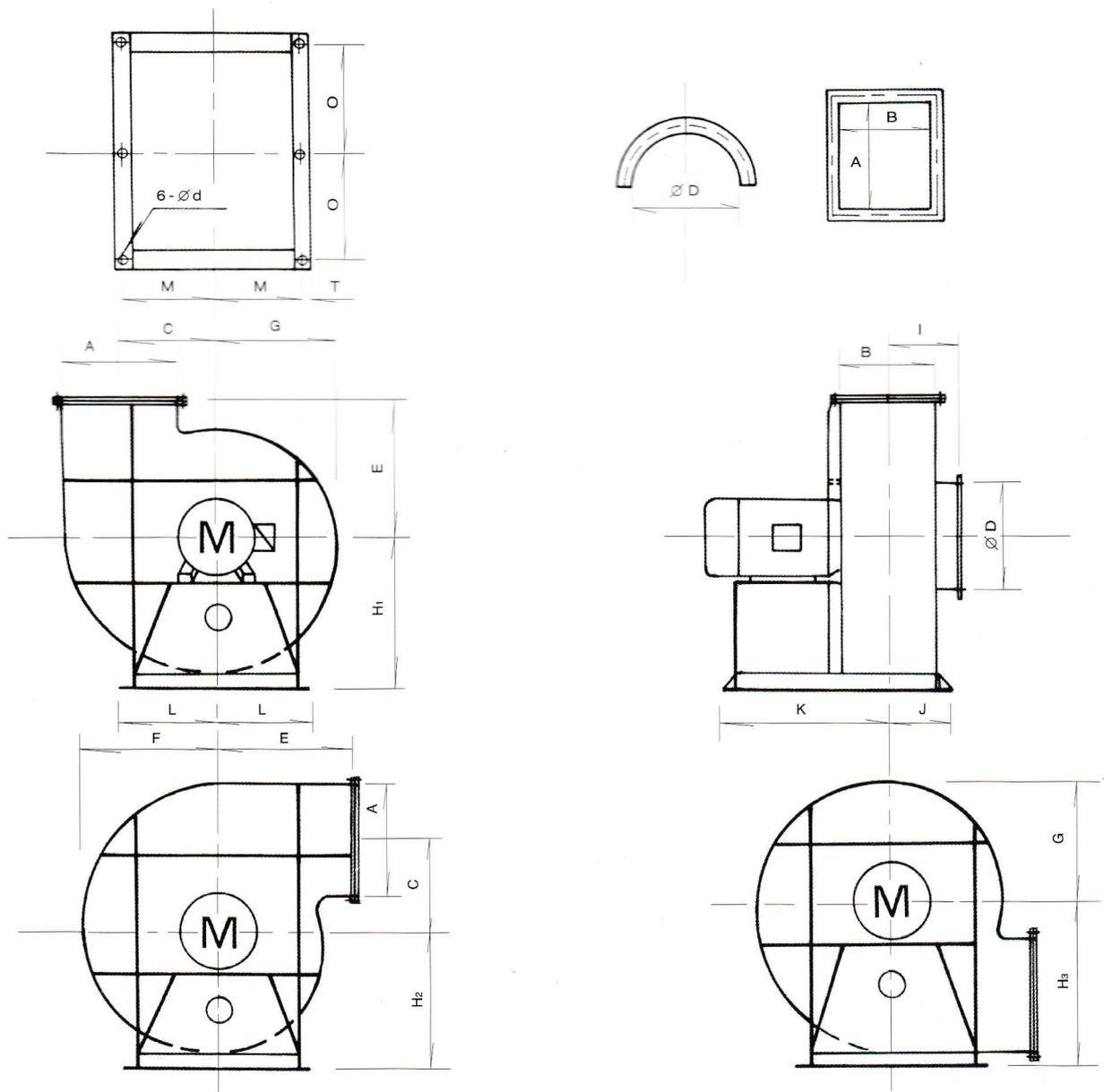
本機為透浦式馬達直結驅動，構造堅實佔地小，效率高，保養簡便適用於一般之集塵設備，鍋爐強制送風，氣體輸送等，皆廣採用。

The fans are turbo type and directly coupled to motors. They are rugged, compact, efficient and easy to maintain.

They are widely used for dust collecting equipment, forced air supplies, transfer of air, etc.

選擇及能量 Selections & Ratings

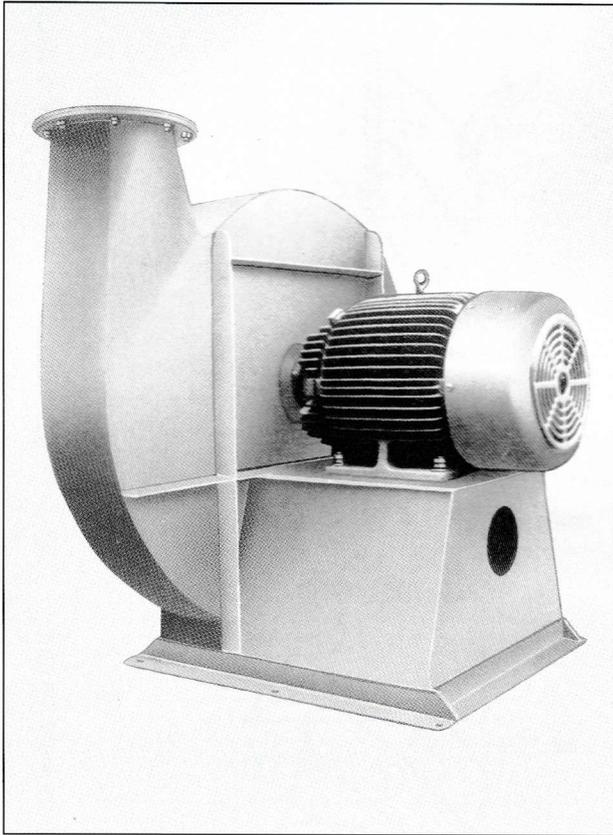
| 型式 TYPE | 3500 RPM | | | 2900 RPM | | |
|------------------------|---------------------|------|-----------------|---------------------|------|-----------------|
| | 風量 | 靜壓 | 馬力 | 風量 | 靜壓 | 馬力 |
| | m ³ /min | mmAq | HP | m ³ /min | mmAq | HP |
| TFDA-1 $\frac{3}{4}$ | 14 | 150 | 1 | 11 | 105 | $\frac{1}{2}$ |
| TFDA-2A | 12 | 180 | 1 | 10 | 120 | $\frac{1}{2}$ |
| TFDA-2B | 24 | 180 | 2 | 20 | 120 | 1 |
| TFDA-2 $\frac{1}{4}$ A | 24 | 200 | 2 | 20 | 135 | 1 |
| TFDA-2 $\frac{1}{4}$ B | 26 | 260 | 3 | 22 | 180 | 2 |
| TFDA-2 $\frac{1}{2}$ A | 32 | 220 | 3 | 27 | 155 | 2 |
| TFDA-2 $\frac{1}{2}$ B | 40 | 280 | 5 | 34 | 200 | 3 |
| TFDA-2 $\frac{3}{4}$ A | 45 | 260 | 5 | 38 | 180 | 3 |
| TFDA-2 $\frac{3}{4}$ B | 50 | 300 | 7 $\frac{1}{2}$ | 42 | 215 | 5 |
| TFDA-3A | 45 | 270 | 5 | 38 | 188 | 3 |
| TFDA-3B | 56 | 300 | 7 $\frac{1}{2}$ | 45 | 215 | 5 |
| TFDA-3C | 74 | 380 | 10 | 62 | 275 | 7 $\frac{1}{2}$ |
| TFDA-3 $\frac{1}{2}$ A | 98 | 360 | 15 | 80 | 260 | 10 |
| TFDA-3 $\frac{1}{2}$ B | 128 | 360 | 20 | 105 | 275 | 15 |
| TFDA-3 $\frac{1}{2}$ C | 140 | 450 | 25 | 115 | 310 | 20 |
| TFDA-4A | 142 | 450 | 25 | 116 | 340 | 20 |
| TFDA-4B | 150 | 450 | 30 | 130 | 350 | 25 |
| TFDA-4C | 180 | 500 | 40 | 150 | 370 | 30 |
| TFDA-4 $\frac{1}{2}$ A | 190 | 500 | 40 | 158 | 350 | 30 |
| TFDA-4 $\frac{1}{2}$ B | 230 | 500 | 50 | 190 | 370 | 40 |
| TFDA-4 $\frac{1}{2}$ C | 250 | 550 | 60 | 230 | 400 | 50 |
| TFDA-5A | 265 | 500 | 60 | 230 | 380 | 50 |
| TFDA-5B | 280 | 600 | 75 | 235 | 450 | 60 |
| TFDA-5C | 320 | 700 | 100 | 265 | 520 | 75 |



尺寸表 Dimensions

單位UNIT:mm

| 編號 | 記號 | A | B | C | φD | E | F | G | H ₁ | H ₂ | H ₃ | I | J | K | L | M | O | T | φd |
|-------------------------------|----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------|----------------|-----|-----|-----|-----|-----|-----|----|----|
| 1 ³ / ₄ | | 150 | 120 | 185 | 150 | 190 | 230 | 205 | 260 | 235 | 295 | 90 | 90 | 260 | 150 | 138 | 163 | 12 | 10 |
| 2 | | 200 | 150 | 190 | 200 | 230 | 260 | 225 | 290 | 255 | 325 | 105 | 105 | 325 | 160 | 148 | 203 | 12 | 10 |
| 2 ¹ / ₄ | | 200 | 180 | 230 | 200 | 240 | 290 | 260 | 330 | 300 | 375 | 130 | 130 | 350 | 190 | 174 | 224 | 16 | 12 |
| 2 ¹ / ₂ | | 250 | 200 | 235 | 250 | 280 | 320 | 285 | 360 | 320 | 415 | 140 | 140 | 390 | 190 | 174 | 249 | 16 | 12 |
| 2 ³ / ₄ | | 300 | 250 | 250 | 300 | 300 | 345 | 305 | 385 | 345 | 445 | 175 | 165 | 445 | 220 | 204 | 289 | 16 | 12 |
| 3 | | 300 | 250 | 280 | 300 | 330 | 360 | 310 | 400 | 350 | 475 | 175 | 165 | 445 | 250 | 234 | 289 | 16 | 12 |
| 3 ¹ / ₂ | | 350 | 250 | 320 | 350 | 370 | 435 | 375 | 485 | 425 | 550 | 175 | 175 | 575 | 280 | 258 | 353 | 22 | 15 |
| 4 | | 400 | 300 | 400 | 400 | 400 | 505 | 440 | 570 | 505 | 680 | 215 | 215 | 615 | 325 | 295 | 385 | 30 | 19 |
| 4 ¹ / ₂ | | 450 | 350 | 425 | 450 | 460 | 570 | 495 | 635 | 560 | 725 | 240 | 240 | 710 | 345 | 315 | 445 | 30 | 19 |
| 5 | | 500 | 400 | 480 | 500 | 520 | 620 | 530 | 685 | 595 | 805 | 265 | 265 | 845 | 385 | 355 | 525 | 30 | 19 |



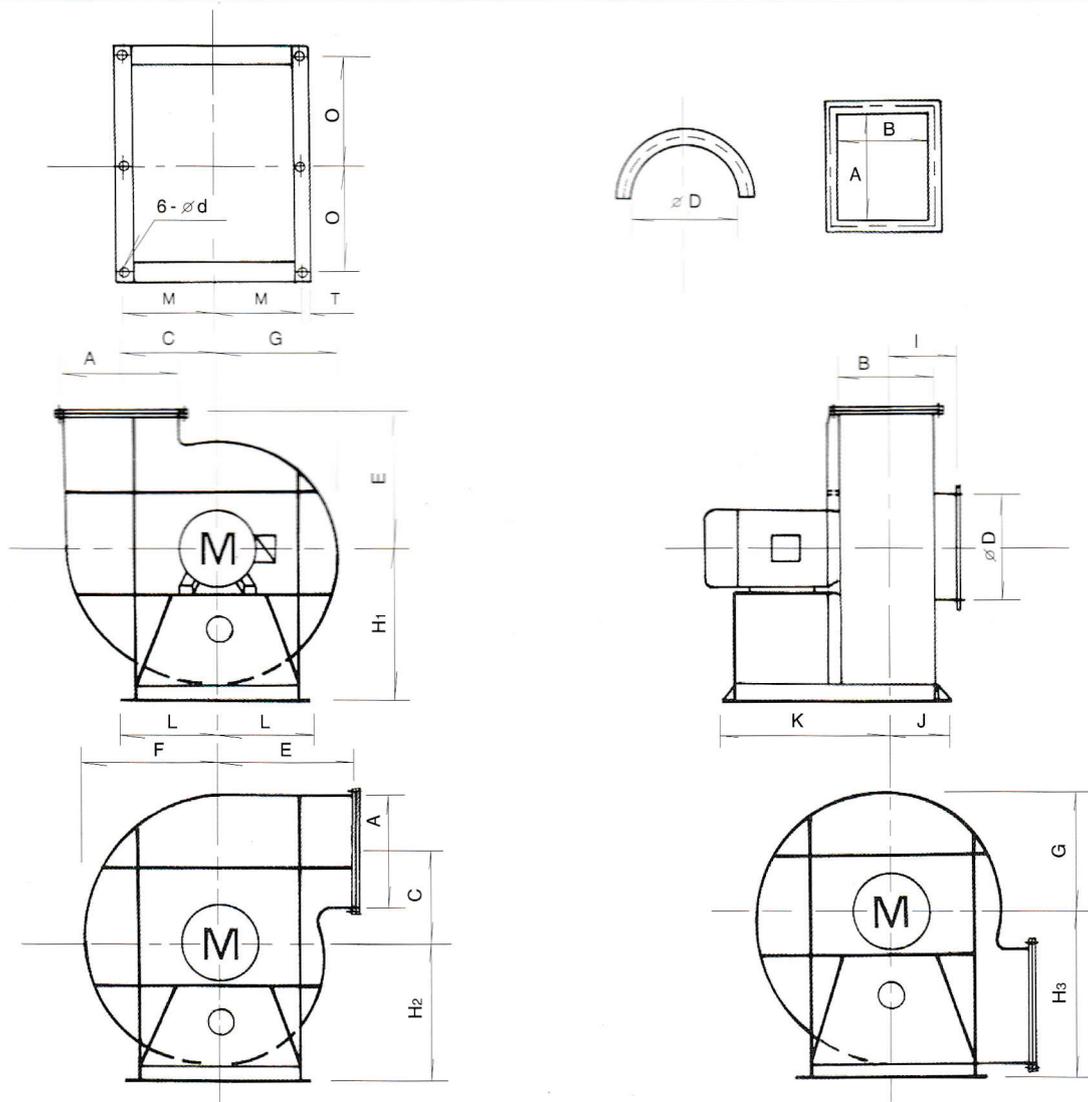
本機為高壓透浦式馬達直結驅動型其靜壓較TFD-A為高，構造堅實佔地小，效率高，適用於飼料、麵粉、塑膠廠之粉粒體收集及氣體輸送皆廣採用。

The fans are high pressure turbo type and directly coupled to motors. The output pressure is greater than type "TFD-A". They are rugged, compact, efficient and easy to maintain.

They have been widely used in animal feed factories, flour mills, powder and solid particular collections in plastic factories and transfer of air.

選擇及能量 Selections & Ratings

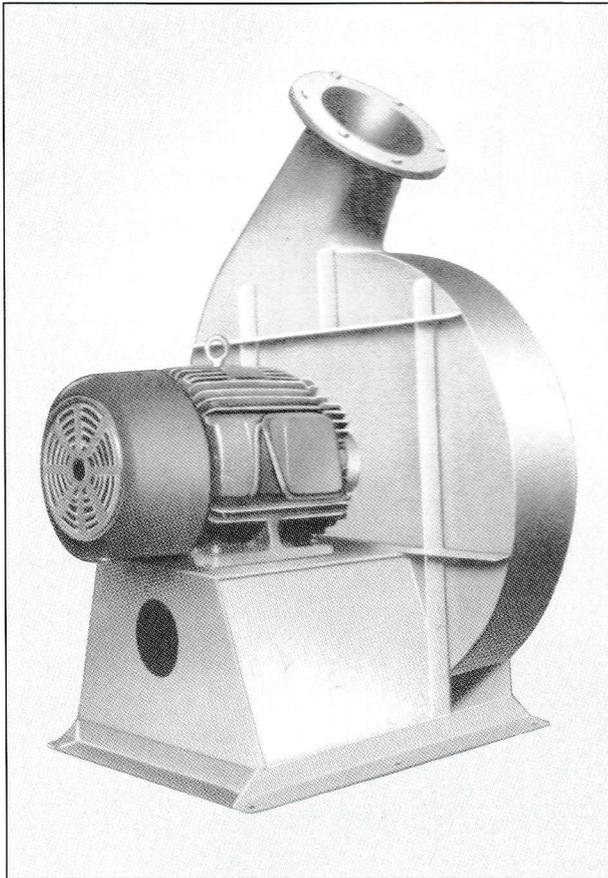
| 型 式 TYPE | 3500 RPM | | | 2900 RPM | | |
|-------------|---------------------|------|-------|---------------------|------|-------|
| | 風 量 | 靜 壓 | 馬 力 | 風 量 | 靜 壓 | 馬 力 |
| | m ³ /min | mmAq | HP | m ³ /min | mmAq | HP |
| TFDB-6A | 18 | 150 | 1 | 14 | 115 | 1/2 |
| TFDB-6B | 23 | 220 | 2 | 18 | 150 | 1 |
| TFDB-7A | 21 | 250 | 2 | 17 | 165 | 1 |
| TFDB-7B | 28 | 285 | 3 | 23 | 220 | 2 |
| TFDB-8A | 35 | 350 | 5 | 28 | 260 | 3 |
| TFDB-8B | 42 | 460 | 7 1/2 | 34 | 340 | 5 |
| TFDB-8C | 47 | 550 | 10 | 39 | 430 | 7 1/2 |
| TFDB-10A | 57 | 640 | 15 | 45 | 490 | 10 |
| TFDB-10B | 65 | 780 | 20 | 55 | 580 | 15 |
| TFDB-10C | 73 | 870 | 25 | 62 | 670 | 20 |
| TFDB-12A | 80 | 890 | 30 | 68 | 685 | 25 |
| TFDB-12B | 87 | 920 | 30 | 75 | 710 | 25 |
| TFDB-12C | 96 | 990 | 40 | 81 | 750 | 30 |
| TFDB-14A | 110 | 1060 | 50 | 90 | 810 | 40 |
| TFDB-14B | 125 | 1150 | 60 | 105 | 870 | 50 |
| TFDB-14C | 148 | 1180 | 75 | 126 | 900 | 60 |



尺寸表 Dimensions

單位UNIT:mm

| 記號 | A | B | C | φD | E | F | G | H ₁ | H ₂ | H ₃ | I | J | K | L | M | O | T | φd |
|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------|----------------|-----|-----|-----|-----|-----|-----|----|----|
| 6A | 150 | 100 | 185 | 150 | 180 | 230 | 205 | 260 | 235 | 295 | 80 | 80 | 250 | 150 | 138 | 153 | 12 | 10 |
| 6B | 150 | 100 | 195 | 150 | 230 | 260 | 225 | 300 | 265 | 335 | 80 | 80 | 300 | 160 | 148 | 178 | 12 | 10 |
| 7A | 180 | 120 | 220 | 180 | 270 | 270 | 240 | 310 | 280 | 355 | 100 | 100 | 320 | 190 | 174 | 194 | 16 | 12 |
| 7B | 180 | 120 | 260 | 180 | 290 | 310 | 280 | 350 | 315 | 395 | 100 | 100 | 350 | 190 | 174 | 209 | 16 | 12 |
| 8A | 200 | 120 | 290 | 200 | 320 | 350 | 315 | 390 | 355 | 455 | 110 | 100 | 350 | 240 | 224 | 209 | 16 | 12 |
| 8B | 200 | 120 | 320 | 200 | 330 | 385 | 355 | 425 | 395 | 465 | 110 | 100 | 380 | 270 | 254 | 224 | 16 | 12 |
| 8C | 200 | 120 | 335 | 200 | 330 | 400 | 370 | 450 | 420 | 490 | 120 | 110 | 390 | 280 | 258 | 228 | 22 | 15 |
| 10A | 250 | 150 | 375 | 250 | 400 | 460 | 425 | 510 | 475 | 560 | 135 | 125 | 525 | 300 | 278 | 303 | 22 | 15 |
| 10B | 250 | 150 | 395 | 250 | 430 | 480 | 445 | 530 | 495 | 580 | 135 | 125 | 525 | 300 | 278 | 303 | 22 | 15 |
| 10C | 250 | 200 | 430 | 250 | 440 | 515 | 465 | 565 | 515 | 615 | 160 | 150 | 550 | 330 | 308 | 328 | 22 | 15 |
| 12A | 300 | 200 | 430 | 300 | 440 | 515 | 465 | 565 | 515 | 615 | 160 | 150 | 630 | 330 | 308 | 368 | 22 | 15 |
| 12B | 300 | 200 | 445 | 300 | 460 | 550 | 510 | 600 | 560 | 655 | 160 | 150 | 630 | 330 | 308 | 368 | 22 | 15 |
| 12C | 300 | 200 | 445 | 300 | 495 | 550 | 510 | 600 | 560 | 655 | 160 | 150 | 630 | 330 | 308 | 368 | 22 | 15 |
| 14A | 350 | 220 | 450 | 350 | 500 | 580 | 525 | 645 | 590 | 700 | 175 | 175 | 675 | 365 | 335 | 395 | 30 | 19 |
| 14B | 350 | 220 | 485 | 350 | 520 | 615 | 565 | 675 | 630 | 735 | 175 | 175 | 805 | 415 | 385 | 460 | 30 | 19 |
| 14C | 350 | 220 | 485 | 350 | 520 | 615 | 565 | 675 | 630 | 735 | 175 | 175 | 805 | 415 | 385 | 460 | 30 | 19 |



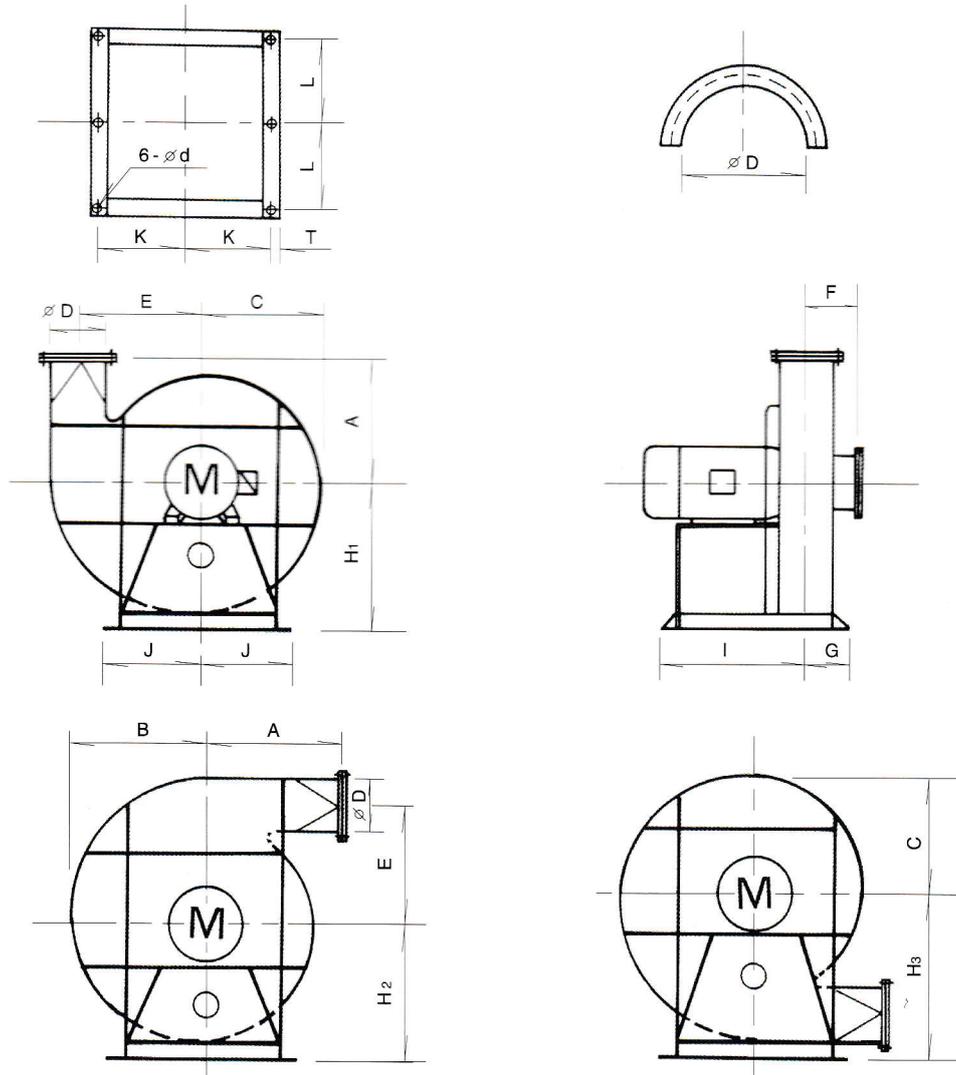
本機專用於高風壓，低風量之場所，外殼為一般鋼板或不銹鋼製造，結構堅實效率高，適用於燃燒裝置，工業用爐，粉末分離及強制送風。

The fan housings are made of steel or stainless steel. The fans are robustly constructed for high air pressure and low volume operations. It is highly efficient and reliable.

Suitable for forced air supplies to burning devices or furnaces, industrial boilers, separation of powder and solid particles in plastic industries, etc.

選擇及能量 Selections & Ratings

| 型 式 TYPE | 口 徑 mm ϕ | 3500 RPM | | | 2900 RPM | | |
|-------------|------------------|---------------------|------|-----|---------------------|------|-----|
| | | 風 量 | 靜 壓 | 馬 力 | 風 量 | 靜 壓 | 馬 力 |
| | | m ³ /min | mmAq | HP | m ³ /min | mmAq | HP |
| TFDC-3A | 76 | 8 | 550 | 2 | 6 | 360 | 1 |
| TFDC-3B | 76 | 8 | 680 | 3 | 7 | 500 | 2 |
| TFDC-4A | 100 | 13 | 500 | 3 | 11 | 390 | 3 |
| TFDC-4B | 100 | 14 | 780 | 5 | 11 | 550 | 3 |
| TFDC-4C | 100 | 16 | 800 | 7½ | 12 | 580 | 5 |
| TFDC-5A | 127 | 21 | 500 | 5 | 16 | 380 | 3 |
| TFDC-5B | 127 | 21 | 800 | 7½ | 17 | 540 | 5 |
| TFDC-5C | 127 | 22 | 900 | 10 | 17 | 650 | 7½ |
| TFDC-6A | 152 | 27 | 600 | 7½ | 21 | 450 | 5 |
| TFDC-6B | 152 | 27 | 800 | 10 | 22 | 555 | 7½ |
| TFDC-6C | 152 | 27 | 1050 | 15 | 22 | 760 | 10 |
| TFDC-8A | 203 | 38 | 750 | 15 | 30 | 530 | 10 |
| TFDC-8B | 203 | 38 | 1100 | 20 | 32 | 780 | 15 |
| TFDC-8C | 203 | 38 | 1260 | 25 | 33 | 820 | 20 |
| TFDC-8D | 203 | 40 | 1380 | 30 | 35 | 900 | 25 |
| TFDC-10A | 250 | 55 | 800 | 20 | 43 | 550 | 15 |
| TFDC-10B | 250 | 57 | 950 | 25 | 45 | 680 | 20 |
| TFDC-10C | 250 | 61 | 1100 | 30 | 49 | 800 | 25 |
| TFDC-10D | 250 | 63 | 1370 | 40 | 52 | 980 | 30 |



尺寸表 Dimensions

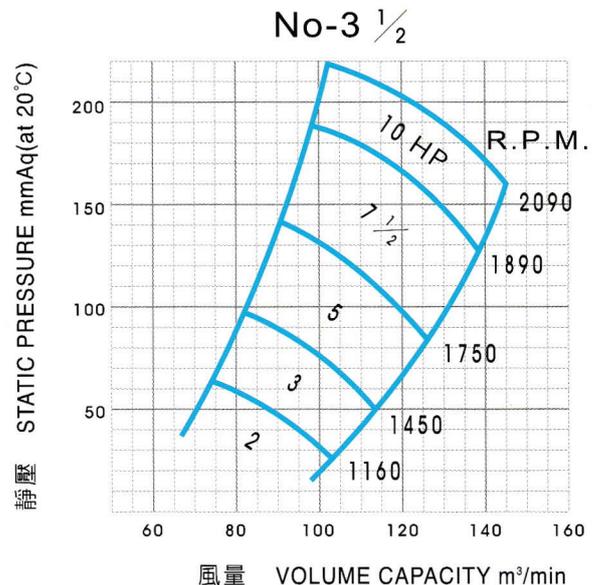
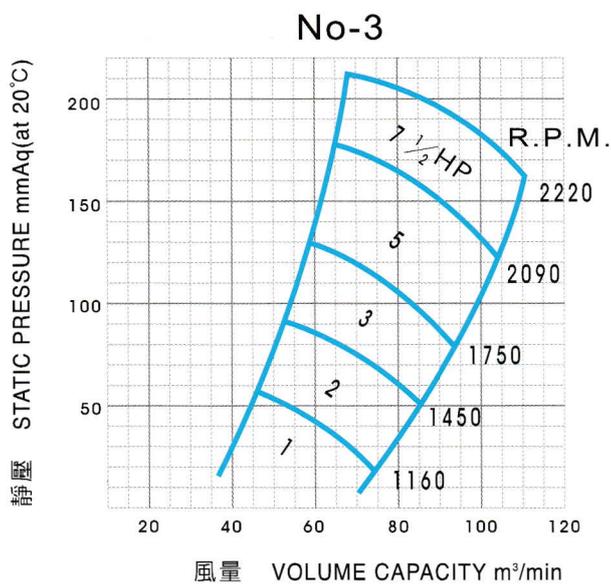
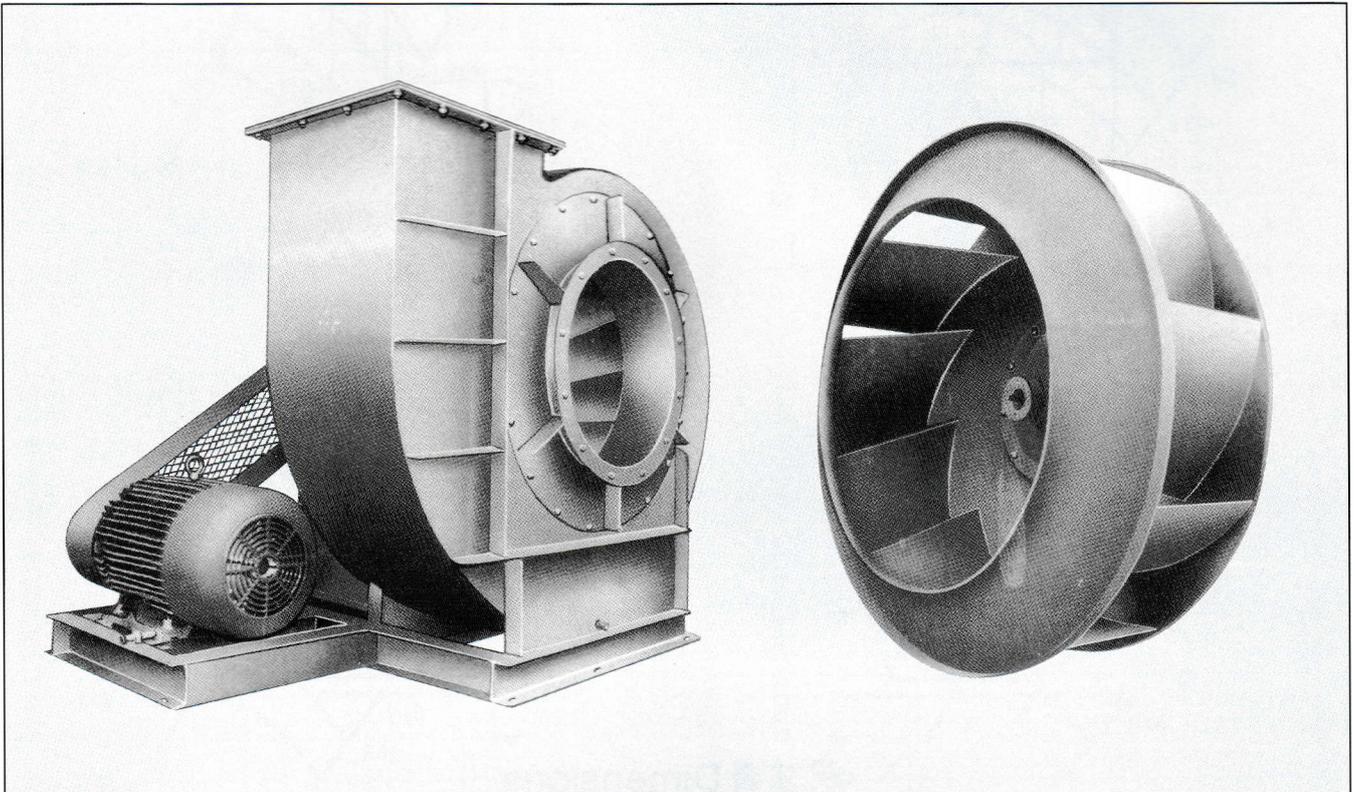
單位UNIT:mm

| 編號 | 記號 | A | B | C | φD | E | F | G | H ₁ | H ₂ | H ₃ | I | J | K | L | T | φd |
|------|----|-----|-----|-----|-----|-----|-----|-----|----------------|----------------|----------------|-----|-----|-----|-----|----|----|
| 3-A | | 350 | 290 | 280 | 76 | 262 | 78 | 78 | 330 | 320 | 345 | 305 | 220 | 204 | 175 | 16 | 12 |
| 3-B | | 350 | 290 | 280 | 76 | 262 | 78 | 78 | 330 | 320 | 345 | 305 | 220 | 204 | 175 | 16 | 12 |
| 4-A | | 360 | 290 | 280 | 100 | 250 | 78 | 78 | 330 | 320 | 345 | 305 | 220 | 204 | 175 | 16 | 12 |
| 4-B | | 425 | 360 | 345 | 100 | 317 | 100 | 90 | 400 | 385 | 430 | 340 | 260 | 244 | 199 | 16 | 12 |
| 4-C | | 425 | 360 | 345 | 100 | 317 | 100 | 100 | 400 | 385 | 430 | 380 | 270 | 248 | 218 | 22 | 15 |
| 5-A | | 425 | 370 | 345 | 127 | 325 | 120 | 110 | 420 | 395 | 460 | 360 | 270 | 248 | 213 | 22 | 15 |
| 5-B | | 465 | 410 | 390 | 127 | 345 | 120 | 110 | 460 | 440 | 490 | 390 | 300 | 278 | 228 | 22 | 15 |
| 5-C | | 465 | 410 | 390 | 127 | 345 | 125 | 115 | 460 | 440 | 490 | 390 | 300 | 278 | 228 | 22 | 15 |
| 6-A | | 465 | 410 | 390 | 152 | 355 | 135 | 125 | 460 | 440 | 500 | 405 | 300 | 278 | 243 | 22 | 15 |
| 6-B | | 465 | 410 | 390 | 152 | 355 | 135 | 125 | 460 | 440 | 500 | 405 | 300 | 278 | 243 | 22 | 15 |
| 6-C | | 500 | 450 | 420 | 152 | 395 | 145 | 125 | 500 | 470 | 540 | 525 | 330 | 308 | 303 | 22 | 15 |
| 8-A | | 510 | 460 | 425 | 203 | 375 | 160 | 140 | 510 | 470 | 560 | 540 | 300 | 278 | 318 | 22 | 15 |
| 8-B | | 510 | 460 | 425 | 203 | 375 | 160 | 140 | 510 | 470 | 560 | 540 | 300 | 278 | 318 | 22 | 15 |
| 8-C | | 550 | 480 | 445 | 203 | 395 | 170 | 140 | 530 | 495 | 580 | 610 | 330 | 308 | 353 | 22 | 15 |
| 8-D | | 550 | 480 | 445 | 203 | 395 | 170 | 140 | 530 | 495 | 580 | 610 | 330 | 308 | 353 | 22 | 15 |
| 10-A | | 560 | 480 | 445 | 250 | 395 | 170 | 140 | 530 | 495 | 580 | 540 | 330 | 308 | 318 | 22 | 15 |
| 10-B | | 560 | 500 | 475 | 250 | 415 | 180 | 150 | 550 | 525 | 610 | 620 | 330 | 308 | 363 | 22 | 15 |

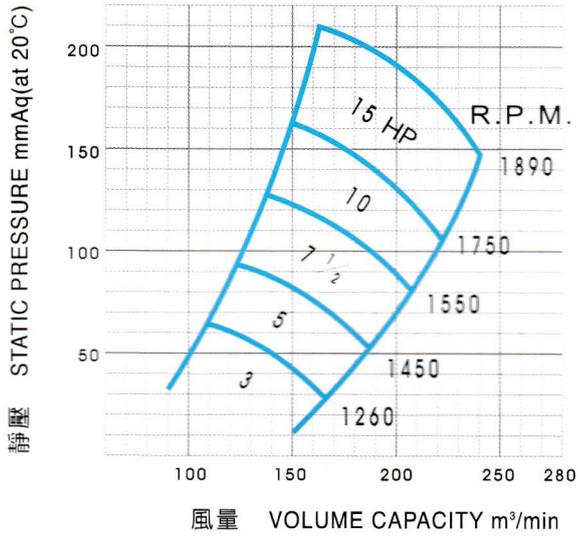
本機葉輪之葉片順氣流做合理的後向彎曲，轉動時能保持低噪音和高效率，結構堅實壽命長，適用於一般排換氣，熱風循環，焚化爐、集塵設備等用途最為廣泛。

The fan blades are curved vane(turbine) shape and dynamic balanced for vibration free operation. It is highly efficient, low noise and reliable.

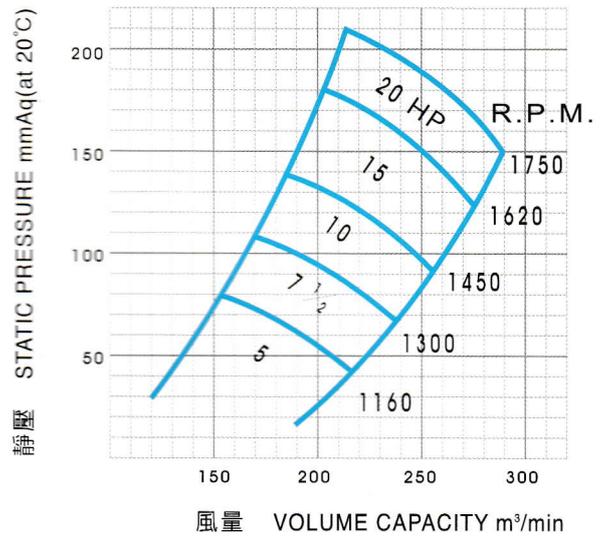
It has been widely used for general ventilations, hot air circulation, incinators, dust collecting equipment, etc.



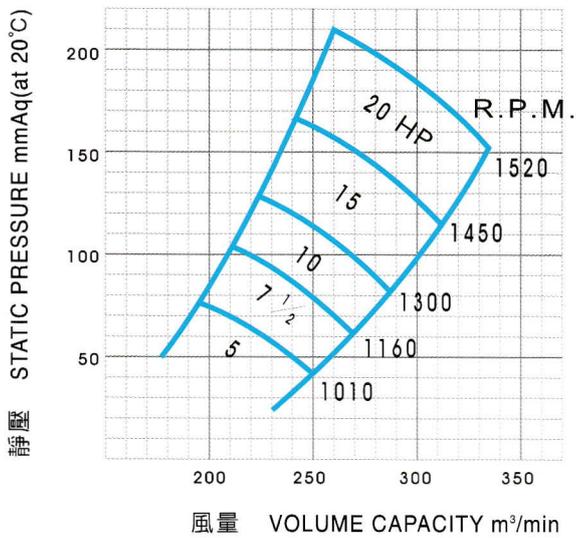
No-4



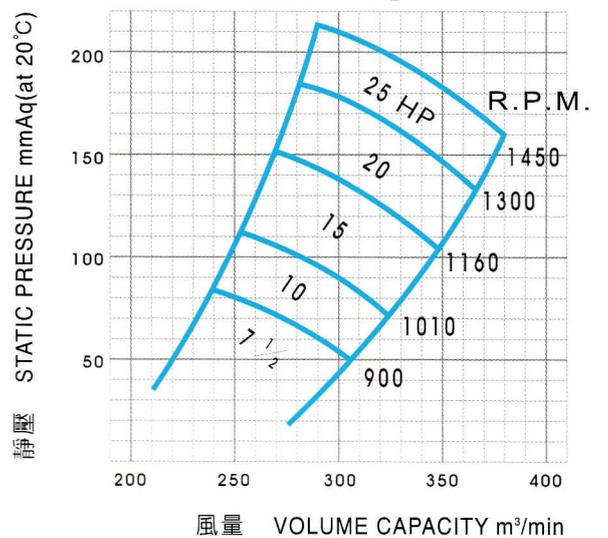
No-4 1/2



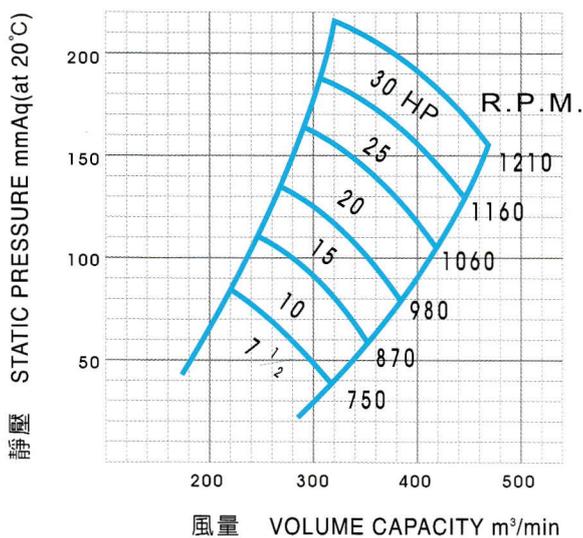
No-5



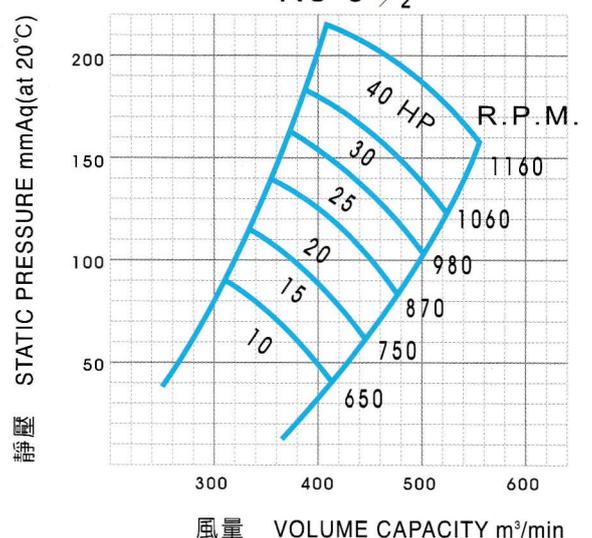
No-5 1/2



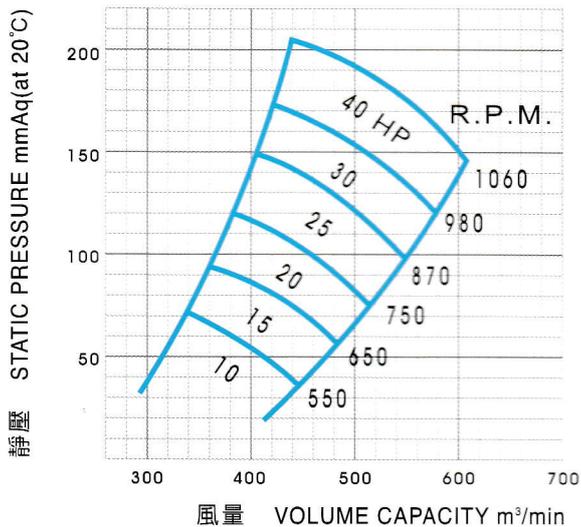
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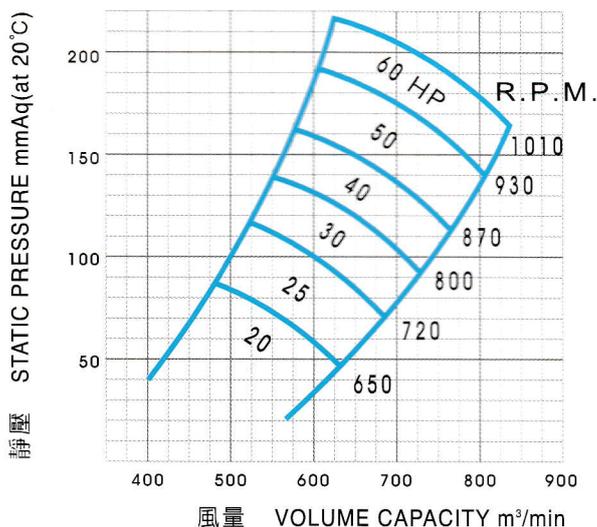
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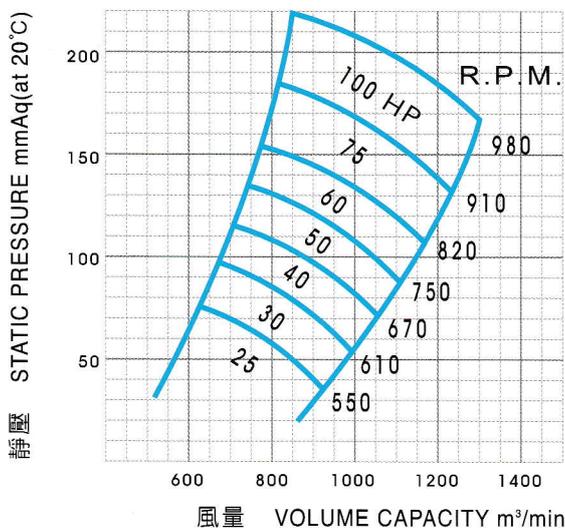
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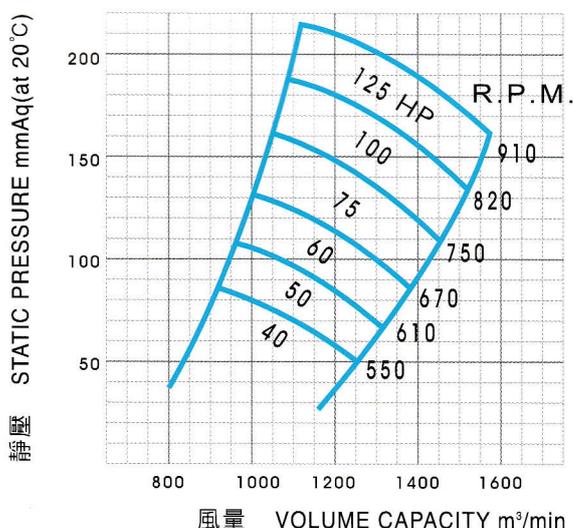
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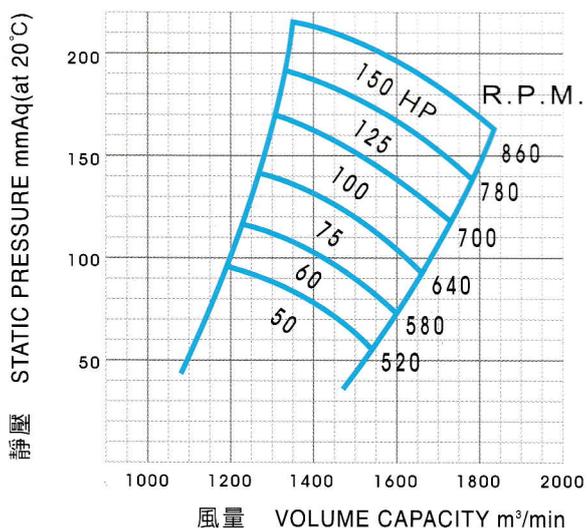
No-9



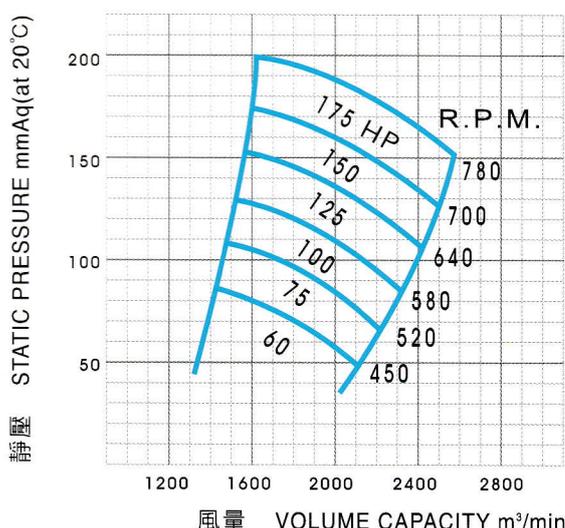
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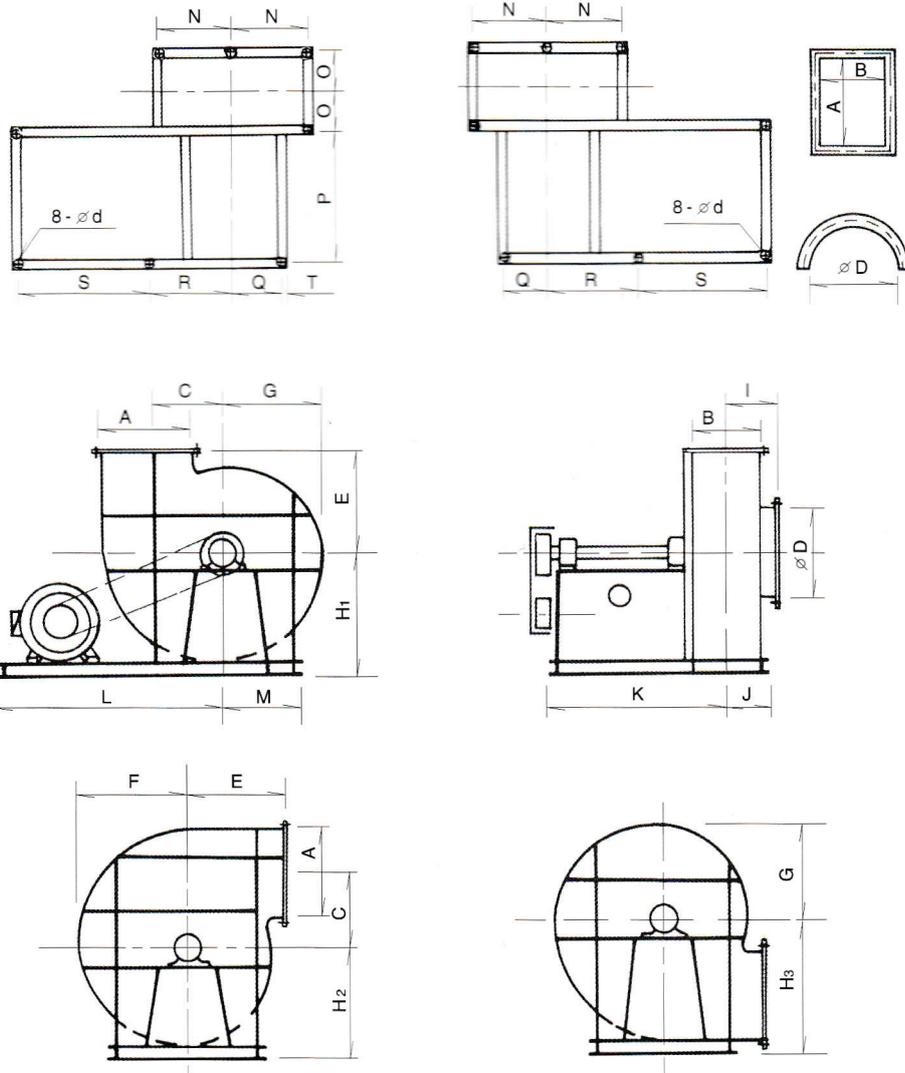


No-11



No-12





尺寸表 Dimensions

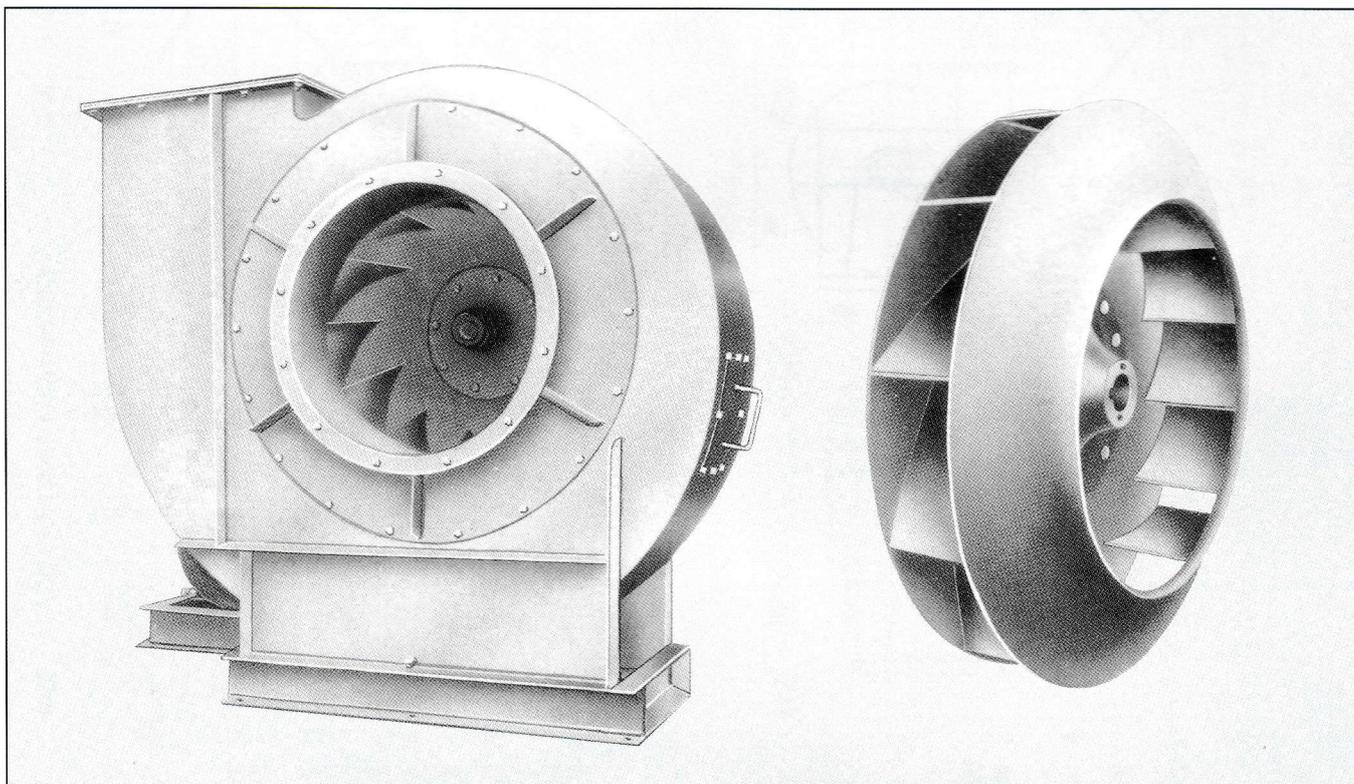
單位UNIT:mm

| 記號 編號 | A | B | C | φD | E | F | G | H ₁ | H ₂ | H ₃ | I | J | K | L | M | N | O | P | Q | R | S | T | φd |
|----------|------|------|------|------|------|------|------|----------------|----------------|----------------|-----|-----|------|------|------|-----|-----|------|-----|-----|------|----|----|
| 3 | 400 | 250 | 280 | 400 | 380 | 425 | 360 | 475 | 410 | 535 | 175 | 175 | 575 | 670 | 270 | 248 | 153 | 400 | 153 | 248 | 400 | 16 | 12 |
| 3½ | 450 | 300 | 335 | 450 | 400 | 485 | 405 | 535 | 455 | 610 | 200 | 200 | 650 | 700 | 300 | 278 | 178 | 450 | 178 | 250 | 428 | 22 | 15 |
| 4 | 550 | 400 | 365 | 550 | 450 | 550 | 460 | 600 | 510 | 695 | 260 | 265 | 765 | 815 | 365 | 335 | 235 | 500 | 225 | 280 | 505 | 22 | 15 |
| 4½ | 600 | 450 | 415 | 600 | 500 | 615 | 515 | 685 | 580 | 785 | 290 | 290 | 840 | 895 | 395 | 365 | 260 | 550 | 245 | 310 | 555 | 30 | 19 |
| 5 | 650 | 450 | 475 | 650 | 530 | 685 | 575 | 750 | 640 | 870 | 290 | 290 | 890 | 965 | 445 | 415 | 260 | 600 | 245 | 345 | 590 | 30 | 19 |
| 5½ | 700 | 500 | 540 | 700 | 610 | 760 | 640 | 825 | 705 | 960 | 315 | 315 | 915 | 1035 | 485 | 455 | 285 | 600 | 260 | 373 | 632 | 35 | 19 |
| 6 | 750 | 500 | 600 | 750 | 660 | 835 | 705 | 935 | 805 | 1085 | 315 | 300 | 1000 | 1100 | 500 | 478 | 278 | 700 | 288 | 395 | 683 | 22 | 19 |
| 6½ | 850 | 550 | 625 | 850 | 700 | 910 | 755 | 1035 | 880 | 1220 | 355 | 338 | 1088 | 1193 | 543 | 516 | 311 | 750 | 336 | 415 | 751 | 28 | 22 |
| 7 | 950 | 600 | 665 | 950 | 760 | 960 | 800 | 1090 | 925 | 1275 | 380 | 363 | 1163 | 1243 | 593 | 566 | 336 | 800 | 336 | 440 | 776 | 28 | 22 |
| 8 | 1100 | 700 | 740 | 1100 | 830 | 1085 | 885 | 1210 | 1010 | 1425 | 440 | 415 | 1365 | 1465 | 665 | 638 | 388 | 950 | 388 | 525 | 913 | 35 | 22 |
| 9 | 1200 | 800 | 760 | 1200 | 920 | 1160 | 960 | 1360 | 1160 | 1590 | 500 | 475 | 1575 | 1605 | 755 | 725 | 445 | 1100 | 445 | 565 | 1010 | 35 | 24 |
| 10 | 1400 | 950 | 970 | 1400 | 1020 | 1350 | 1120 | 1560 | 1320 | 1820 | 585 | 565 | 1815 | 1700 | 850 | 810 | 525 | 1250 | 525 | 568 | 1092 | 40 | 24 |
| 11 | 1600 | 1150 | 1000 | 1600 | 1130 | 1500 | 1250 | 1720 | 1470 | 2020 | 700 | 665 | 2165 | 1830 | 930 | 890 | 625 | 1500 | 550 | 620 | 1170 | 40 | 24 |
| 12 | 1800 | 1350 | 1100 | 1800 | 1250 | 1685 | 1340 | 1900 | 1560 | 2280 | 800 | 765 | 2415 | 2205 | 1005 | 965 | 725 | 1650 | 600 | 783 | 1382 | 40 | 24 |

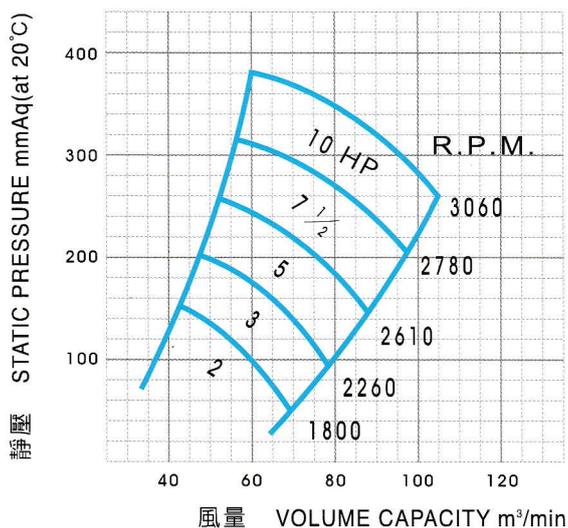
本機為中高壓透浦式風機，葉輪之葉片呈後向彎曲，且經本公司高感度動平衡機，校正後，能做高速之回轉，無慮震動，噪音低，效率高、壽命長，使用於強制送風，環保裝置熱風循環，鍋爐之送風，均能發揮優良之性能。

The fan blades are curved vane (turbine) shaped and belt driven for medium pressure operations. It is accurately calibrated and dynamic balanced for vibration free operation. It is highly efficient, very low noise level and reliable.

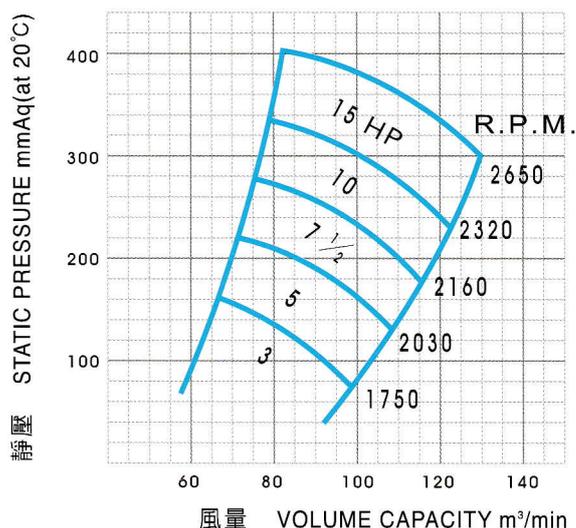
It has been proven in many applications, such as, forced air supplies, hot air circulations or air supplies for environmental pollution control equipment and boilers, etc.



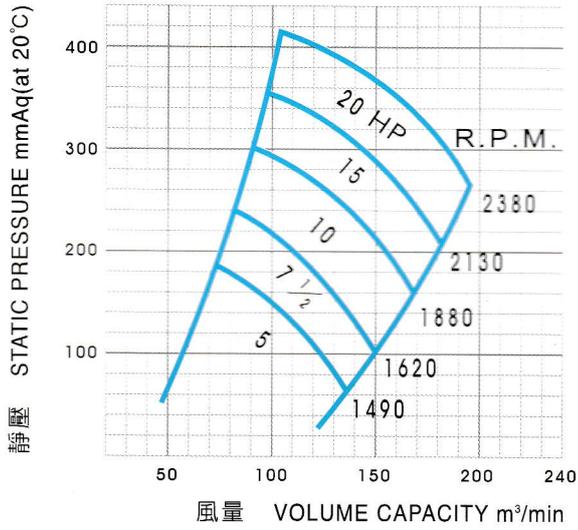
No-3



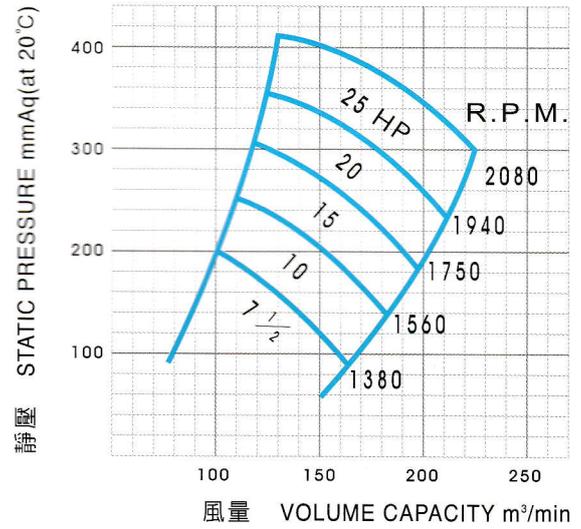
No-3 1/2



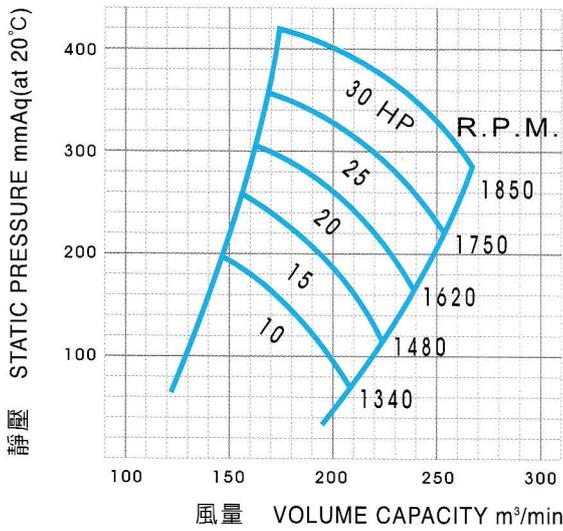
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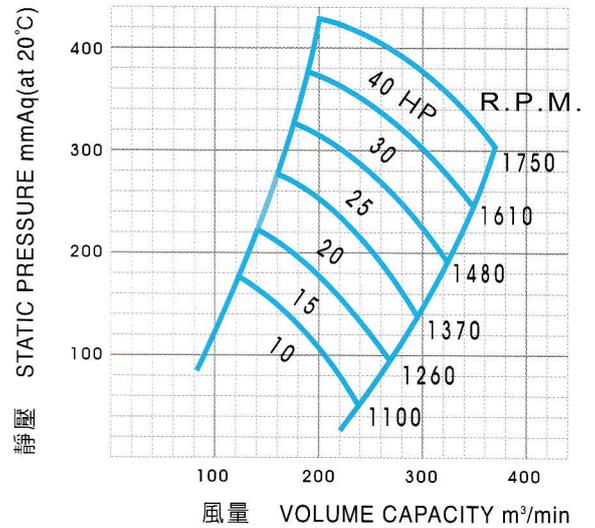
No-4 1/2



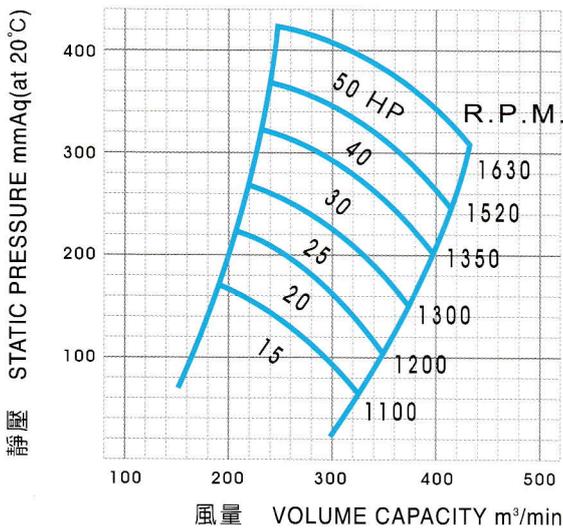
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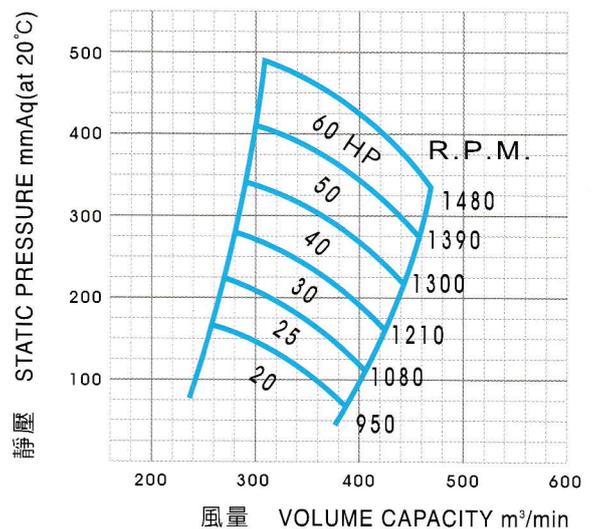
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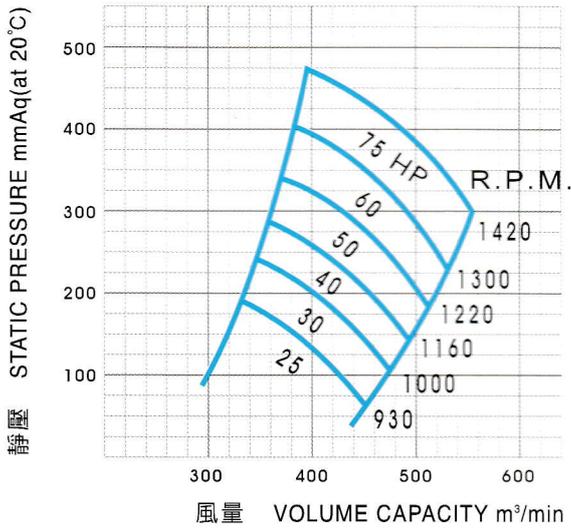
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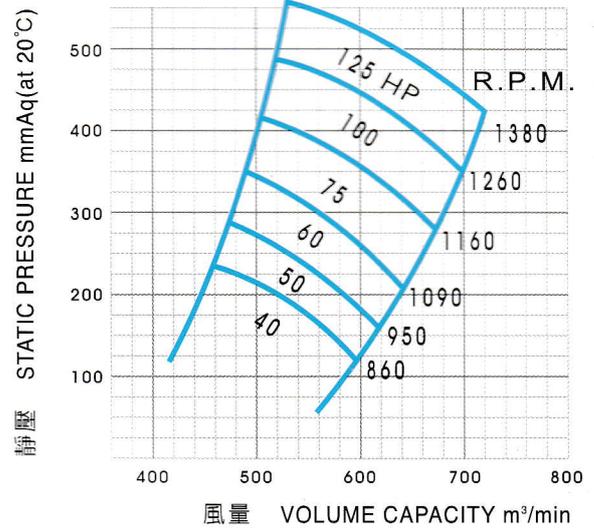
No-6 1/2



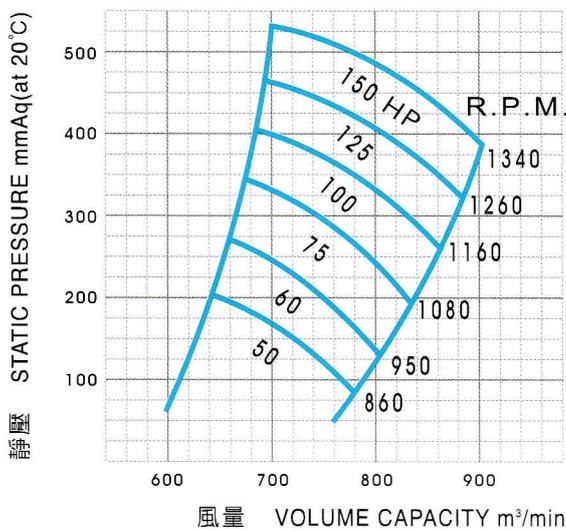
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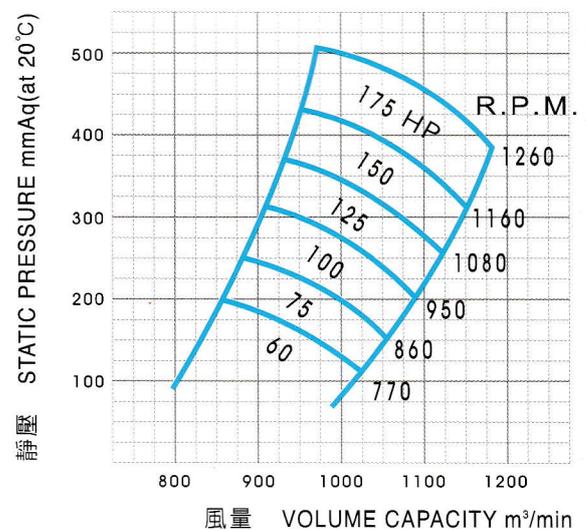
No-8



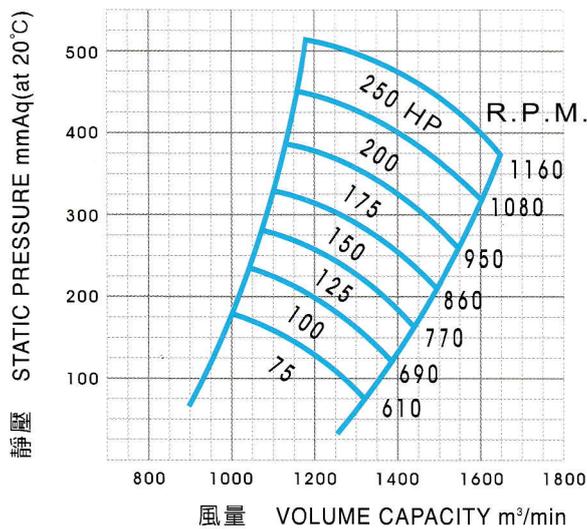
No-9



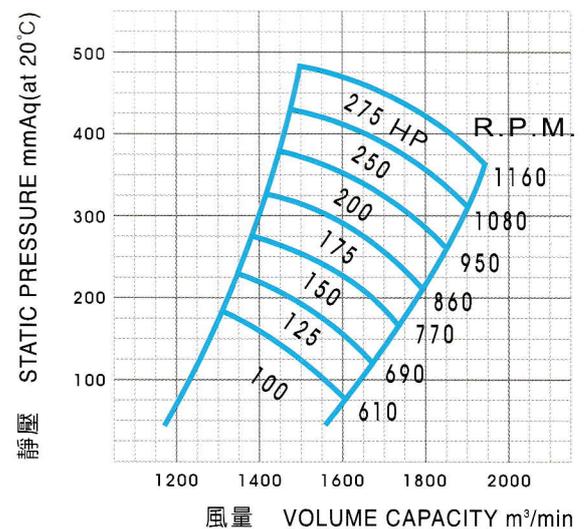
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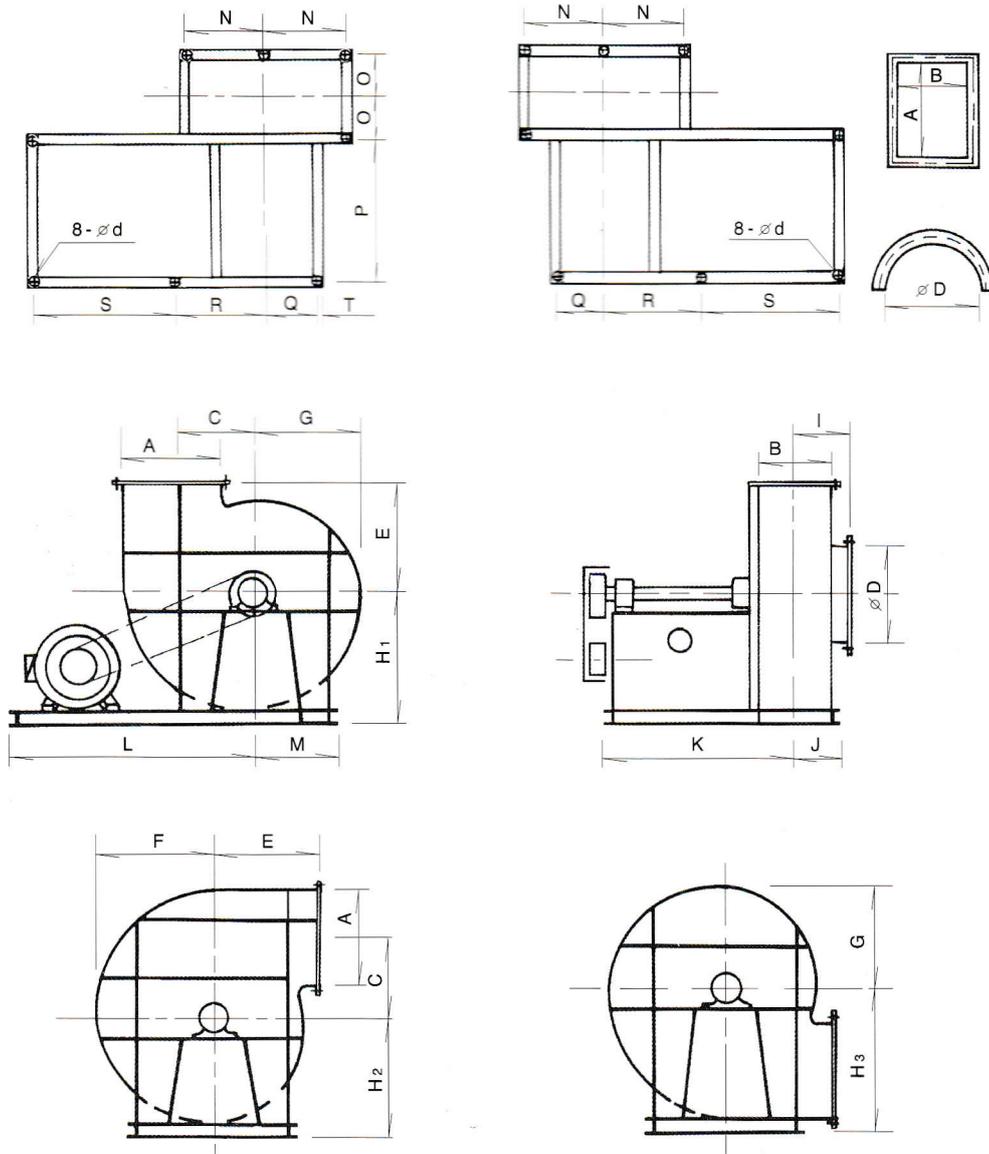


No-11



No-12





尺寸表 Dimensions

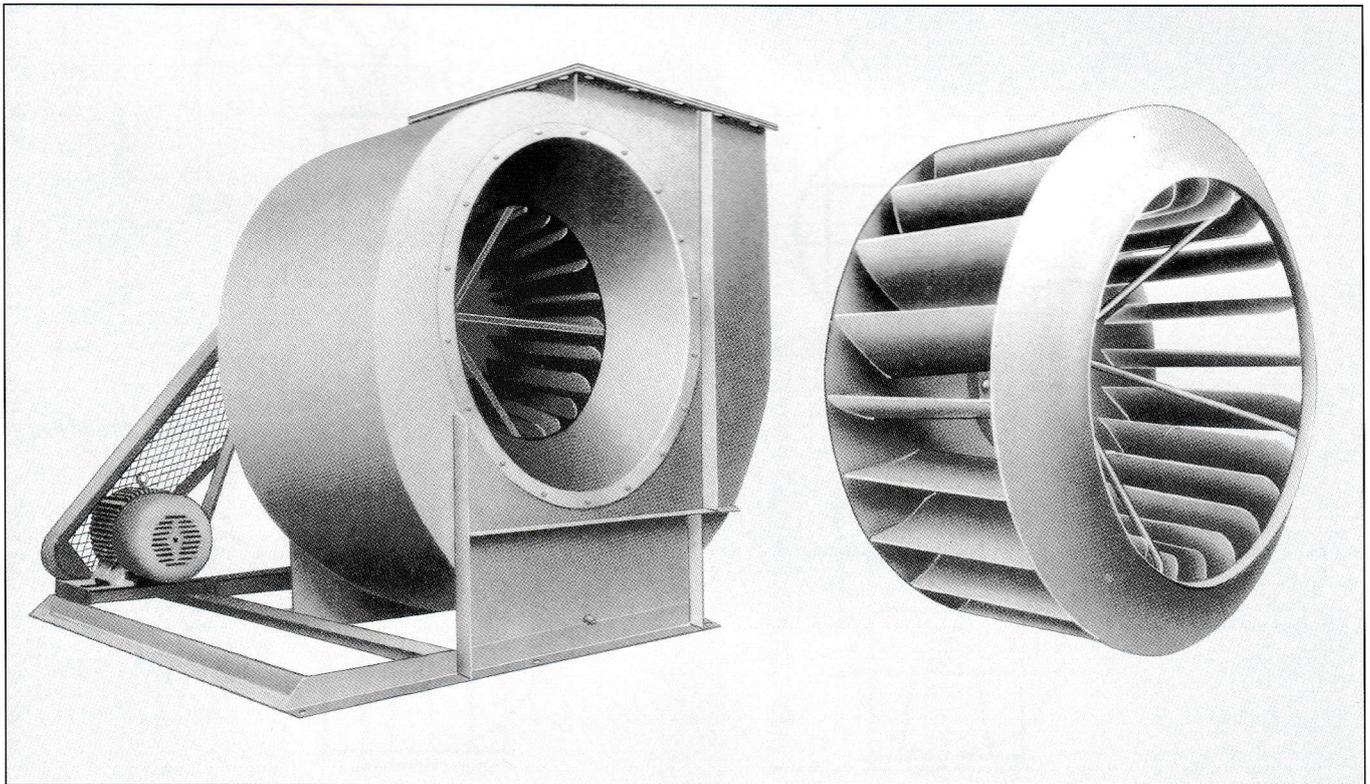
單位UNIT:mm

| 記號 編號 | A | B | C | φD | E | F | G | H ₁ | H ₂ | H ₃ | I | J | K | L | M | N | O | P | Q | R | S | T | φd |
|----------|------|------|------|------|------|------|------|----------------|----------------|----------------|-----|-----|------|------|------|-----|-----|------|-----|-----|------|----|----|
| 3 | 300 | 250 | 280 | 300 | 330 | 360 | 310 | 400 | 350 | 475 | 175 | 165 | 565 | 660 | 260 | 244 | 149 | 400 | 149 | 248 | 396 | 16 | 12 |
| 3½ | 350 | 250 | 320 | 350 | 370 | 435 | 375 | 485 | 425 | 550 | 175 | 175 | 575 | 710 | 310 | 288 | 153 | 400 | 178 | 255 | 433 | 22 | 15 |
| 4 | 400 | 300 | 400 | 400 | 400 | 505 | 440 | 555 | 490 | 660 | 200 | 200 | 670 | 800 | 350 | 328 | 178 | 470 | 218 | 280 | 489 | 22 | 15 |
| 4½ | 450 | 350 | 425 | 450 | 460 | 570 | 495 | 635 | 560 | 725 | 235 | 240 | 760 | 895 | 395 | 365 | 210 | 520 | 245 | 310 | 555 | 30 | 19 |
| 5 | 500 | 400 | 480 | 500 | 520 | 620 | 530 | 685 | 595 | 805 | 260 | 265 | 865 | 975 | 445 | 415 | 235 | 600 | 260 | 343 | 602 | 30 | 19 |
| 5½ | 550 | 450 | 555 | 550 | 550 | 700 | 610 | 775 | 685 | 915 | 290 | 300 | 930 | 1945 | 495 | 460 | 265 | 630 | 300 | 355 | 655 | 35 | 19 |
| 6 | 600 | 500 | 575 | 600 | 630 | 760 | 660 | 865 | 760 | 980 | 320 | 300 | 1000 | 1110 | 510 | 488 | 278 | 700 | 308 | 390 | 698 | 22 | 19 |
| 7 | 700 | 550 | 670 | 700 | 720 | 890 | 765 | 1015 | 905 | 1155 | 345 | 338 | 1138 | 1243 | 593 | 565 | 310 | 800 | 335 | 440 | 775 | 28 | 22 |
| 8 | 850 | 700 | 750 | 850 | 770 | 1005 | 865 | 1155 | 1015 | 1320 | 430 | 425 | 1375 | 1435 | 685 | 650 | 390 | 950 | 390 | 505 | 895 | 35 | 22 |
| 9 | 950 | 800 | 850 | 950 | 870 | 1120 | 960 | 1320 | 1160 | 1525 | 500 | 475 | 1575 | 1555 | 755 | 720 | 440 | 1100 | 465 | 528 | 992 | 35 | 24 |
| 10 | 1150 | 900 | 925 | 1150 | 1060 | 1270 | 1110 | 1480 | 1320 | 1720 | 570 | 540 | 1790 | 1700 | 850 | 810 | 500 | 1250 | 525 | 568 | 1092 | 40 | 24 |
| 11 | 1350 | 1000 | 1025 | 1350 | 1110 | 1450 | 1220 | 1670 | 1440 | 1930 | 620 | 590 | 2000 | 1830 | 930 | 890 | 550 | 1500 | 550 | 620 | 1170 | 40 | 24 |
| 12 | 1500 | 1100 | 1150 | 1500 | 1190 | 1600 | 1340 | 1820 | 1560 | 2130 | 670 | 640 | 2290 | 2205 | 1005 | 965 | 600 | 1650 | 600 | 783 | 1382 | 40 | 24 |

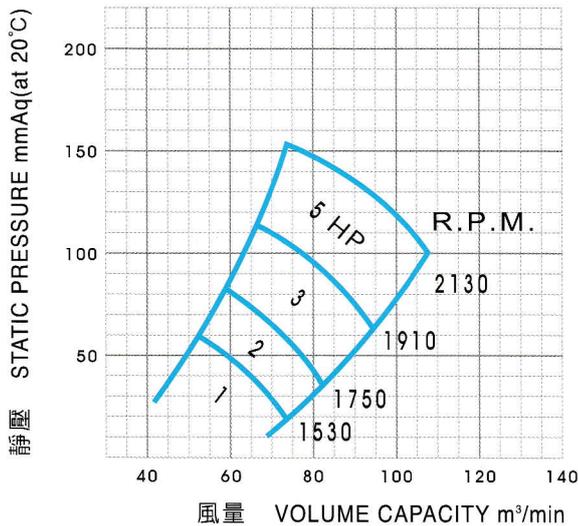
本機型葉輪之葉片呈S型，馬力輸出穩定，不受風壓和風量之變化影響，是一種限定荷重風機，高風量低噪音風機，適用於一般換氣，窯業循環風扇，墜道，排煙及對油煙之排除最為適宜。

The fan blades are "S" shaped which can achieve high volume of air flow ventilation with very low noise level. The required horsepower is virtually constant and independent of air pressure and velocity.

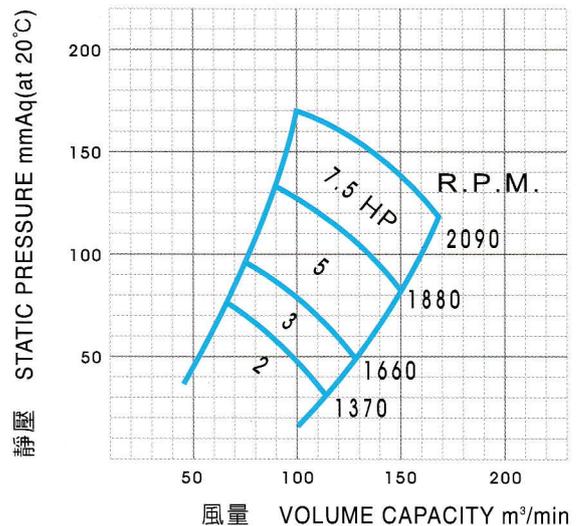
Suitable for general ventilations, air circulations, smoke and exhaust purposes and under ground tunnels. It is also suitable for oily and smoky exhaust systems.



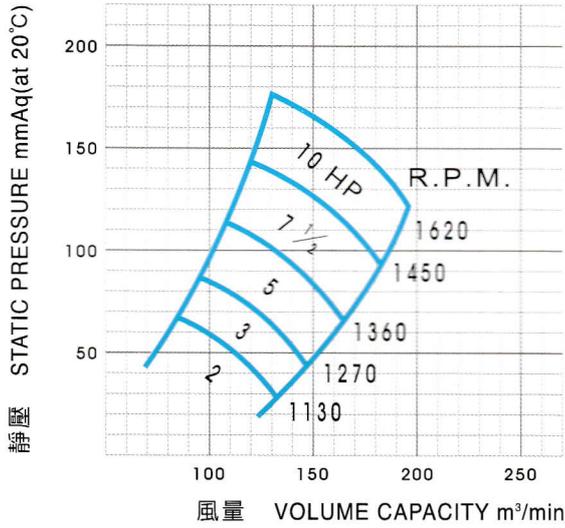
No-2 1/2



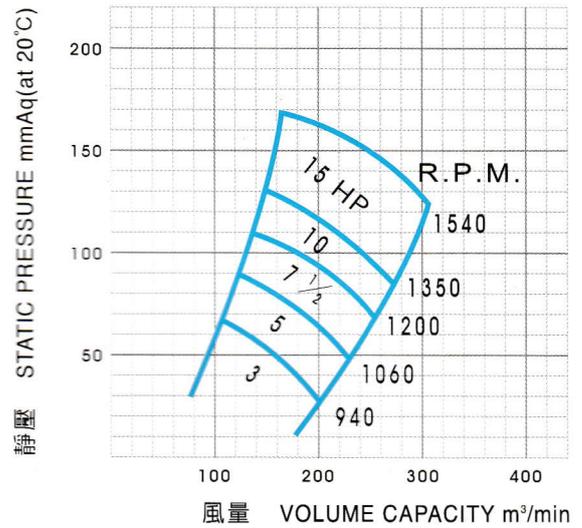
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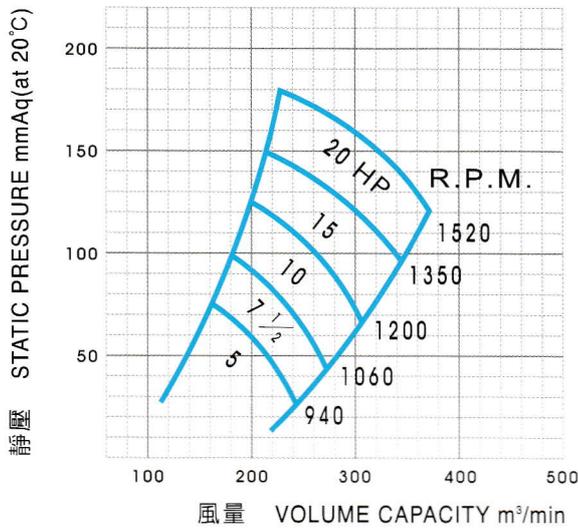
No-3 1/2



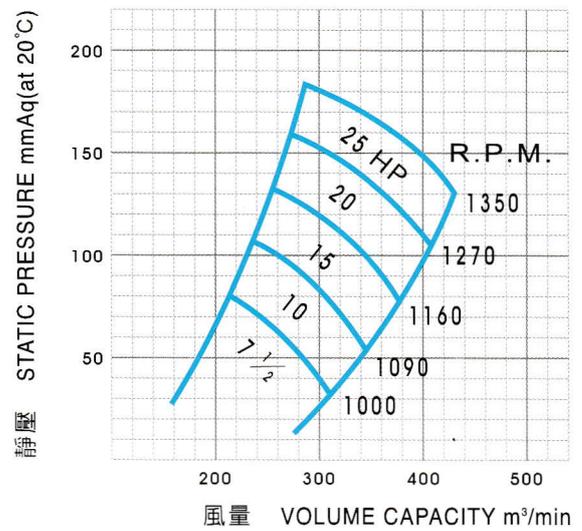
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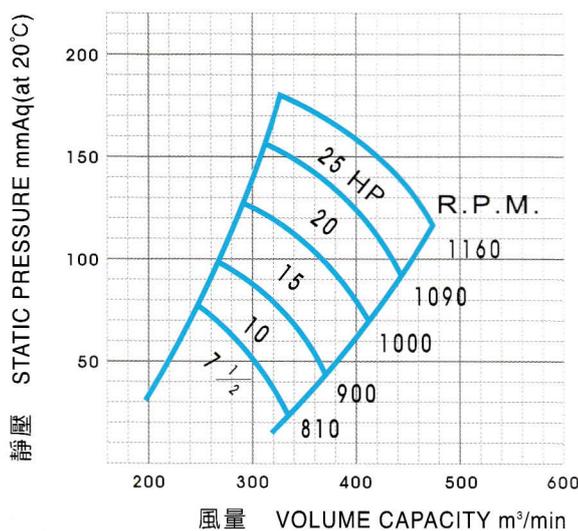
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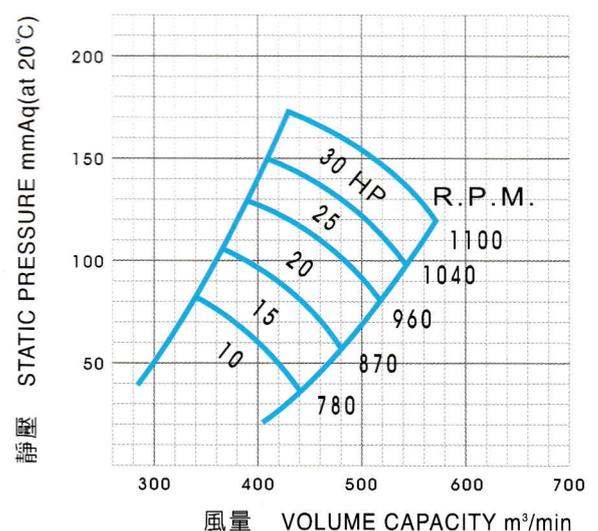
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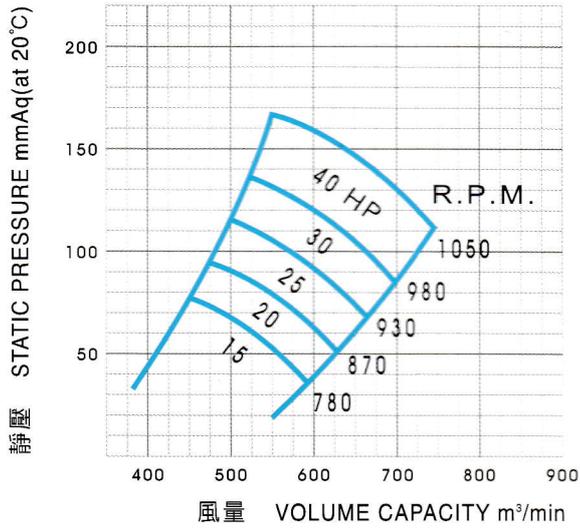
No-5 1/2



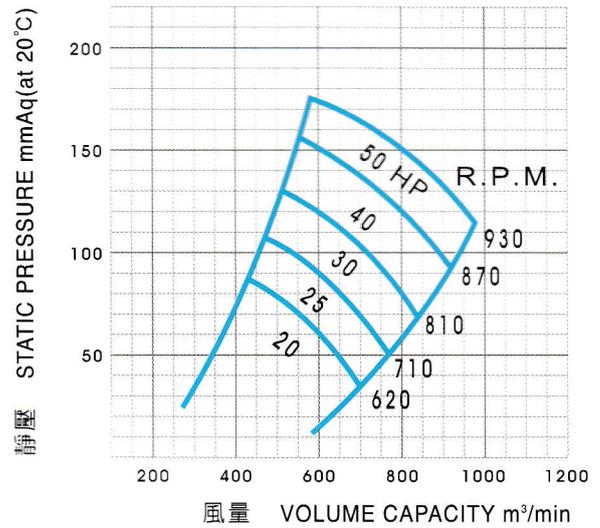
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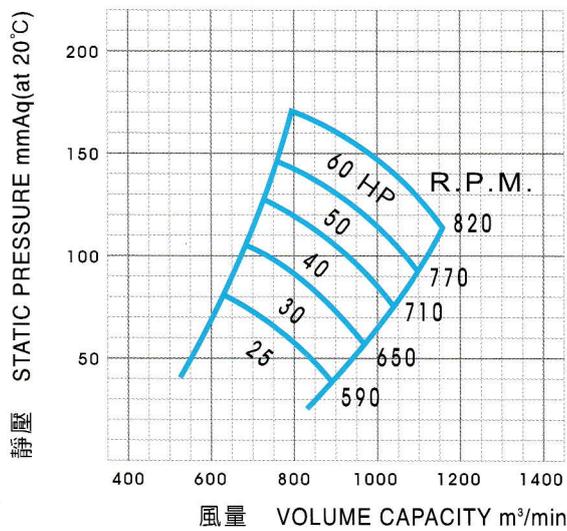
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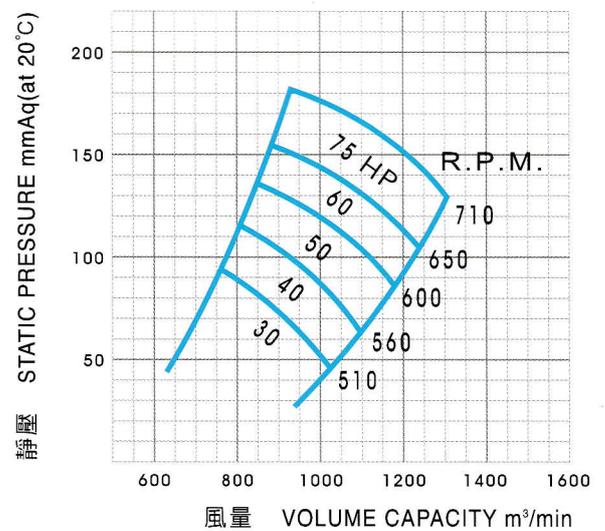
No-8



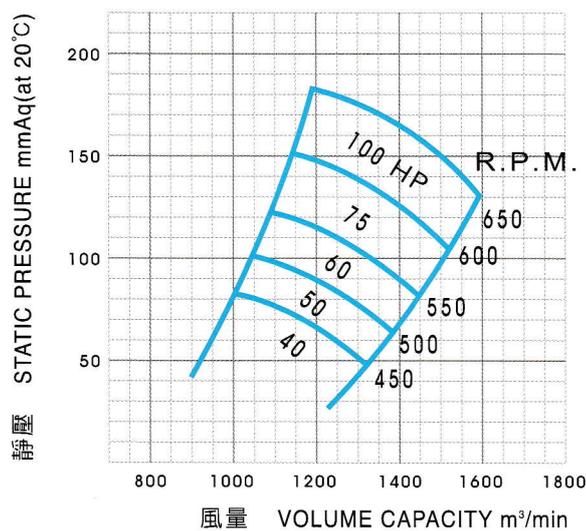
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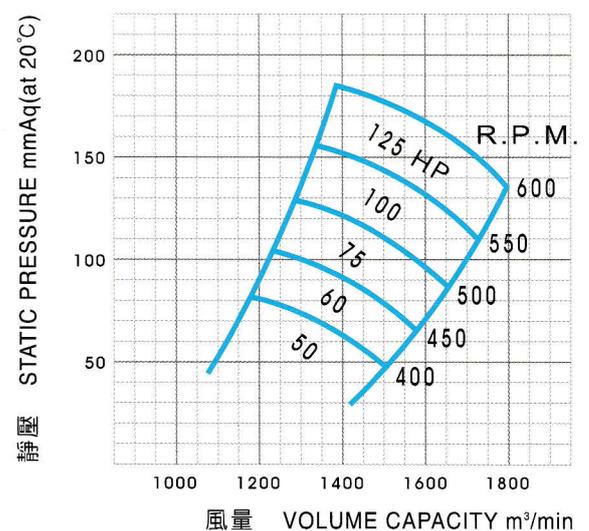
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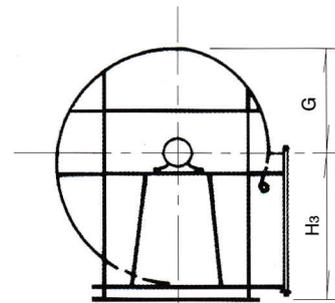
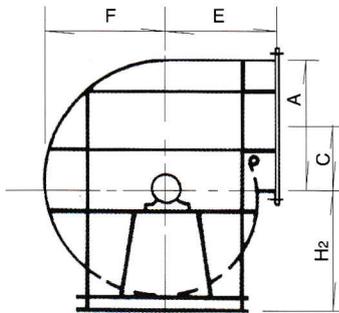
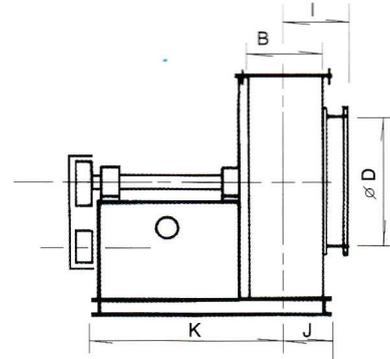
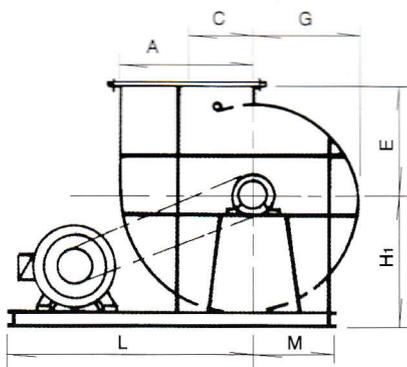
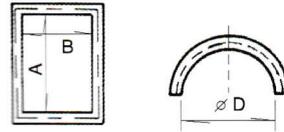
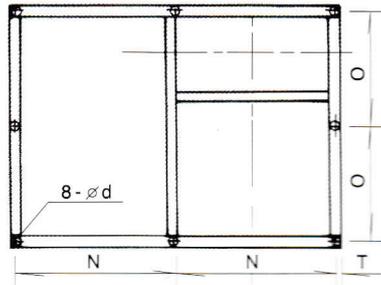


No-11



No-12





尺寸表 Dimensions

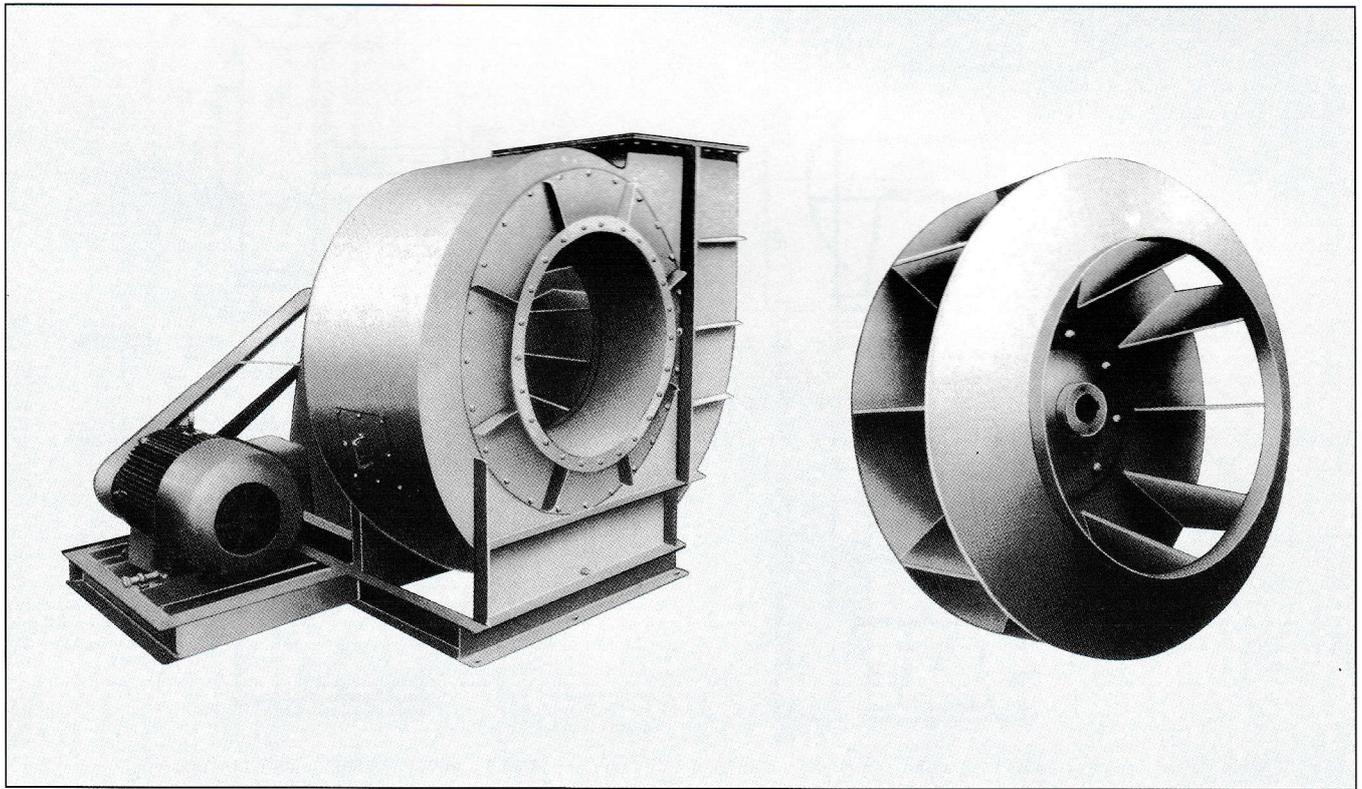
單位UNIT:mm

| 配號 編號 | A | B | C | φD | E | F | G | H ₁ | H ₂ | H ₃ | I | J | K | L | M | N | O | T | φd |
|----------|------|------|-----|------|------|------|------|----------------|----------------|----------------|-----|-----|------|------|-----|------|------|----|----|
| 2½ | 380 | 300 | 190 | 380 | 280 | 330 | 280 | 370 | 320 | 430 | 190 | 190 | 490 | 530 | 230 | 364 | 324 | 16 | 12 |
| 3 | 450 | 350 | 225 | 460 | 350 | 410 | 345 | 450 | 385 | 500 | 225 | 215 | 595 | 620 | 270 | 429 | 389 | 16 | 12 |
| 3½ | 500 | 400 | 250 | 530 | 390 | 440 | 375 | 490 | 425 | 550 | 250 | 250 | 650 | 660 | 310 | 463 | 428 | 22 | 15 |
| 4 | 580 | 450 | 290 | 610 | 430 | 520 | 450 | 570 | 500 | 650 | 275 | 275 | 725 | 750 | 350 | 528 | 478 | 22 | 15 |
| 4½ | 660 | 500 | 330 | 690 | 470 | 595 | 495 | 645 | 545 | 710 | 310 | 300 | 800 | 820 | 390 | 583 | 528 | 22 | 15 |
| 5 | 740 | 550 | 370 | 760 | 540 | 670 | 570 | 735 | 635 | 810 | 340 | 340 | 940 | 925 | 445 | 655 | 610 | 30 | 19 |
| 5½ | 830 | 600 | 415 | 840 | 570 | 745 | 630 | 810 | 695 | 910 | 380 | 365 | 1015 | 965 | 485 | 695 | 660 | 30 | 19 |
| 6 | 910 | 650 | 455 | 920 | 610 | 810 | 695 | 875 | 760 | 990 | 405 | 390 | 1040 | 1005 | 525 | 735 | 685 | 30 | 19 |
| 7 | 1050 | 800 | 525 | 1070 | 730 | 950 | 790 | 1025 | 865 | 1150 | 500 | 475 | 1275 | 1105 | 605 | 820 | 840 | 35 | 19 |
| 8 | 1170 | 900 | 585 | 1220 | 790 | 980 | 830 | 1110 | 955 | 1320 | 550 | 513 | 1413 | 1273 | 673 | 946 | 936 | 28 | 22 |
| 9 | 1370 | 950 | 685 | 1370 | 960 | 1195 | 1030 | 1345 | 1180 | 1470 | 575 | 550 | 1650 | 1455 | 755 | 1070 | 1065 | 35 | 22 |
| 10 | 1500 | 1050 | 750 | 1500 | 1050 | 1330 | 1145 | 1530 | 1345 | 1660 | 645 | 600 | 1800 | 1635 | 835 | 1200 | 1165 | 35 | 24 |
| 11 | 1700 | 1150 | 850 | 1700 | 1150 | 1450 | 1230 | 1650 | 1430 | 1920 | 705 | 665 | 2015 | 1830 | 910 | 1330 | 1300 | 40 | 24 |
| 12 | 1900 | 1250 | 950 | 1900 | 1250 | 1600 | 370 | 1800 | 1570 | 2120 | 760 | 715 | 2215 | 1990 | 990 | 1450 | 1425 | 40 | 24 |

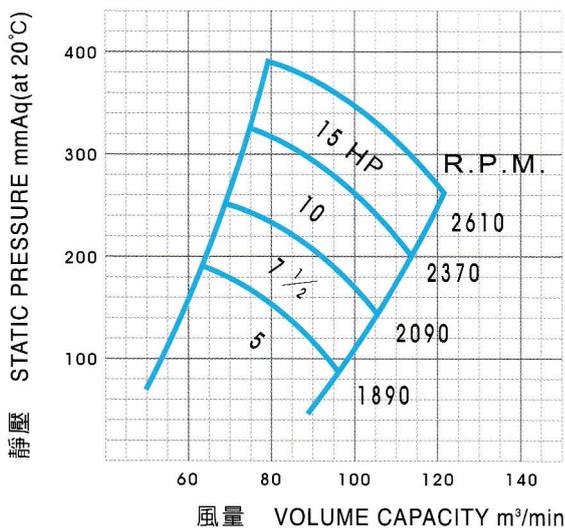
本機葉輪葉片為直翼扇形，葉輪堅固且粉塵不易附著於葉片，可耐高含塵和高腐蝕之磨損，最適合木業加工、石粉、金屬研磨、紙屑、木屑、化工原料、纖維等集塵輸送。

The fan blades are plate shaped and robustly constructed against wear from powder dust and corrosion.

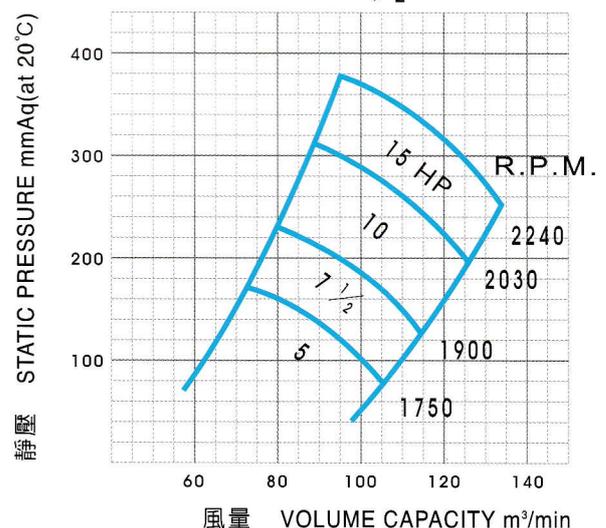
Suitable for collection and transfer of dust and powdery intensive industries, such as, processing of timber, stone, marble, granite, metal, paper, wood, chemical fibres, etc.



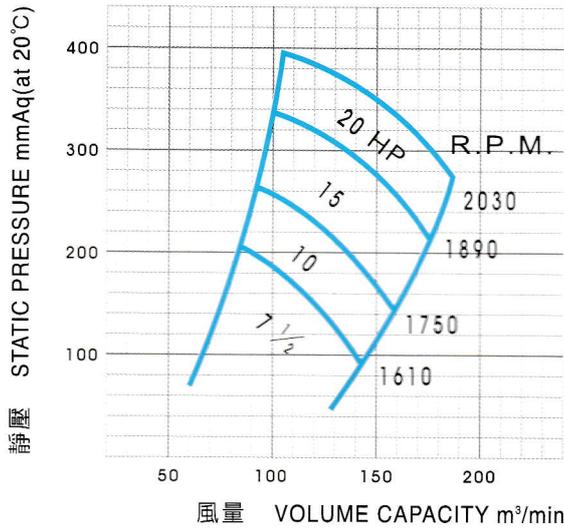
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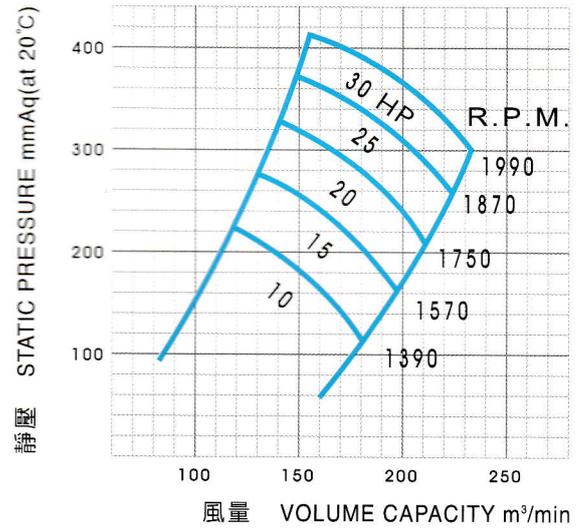
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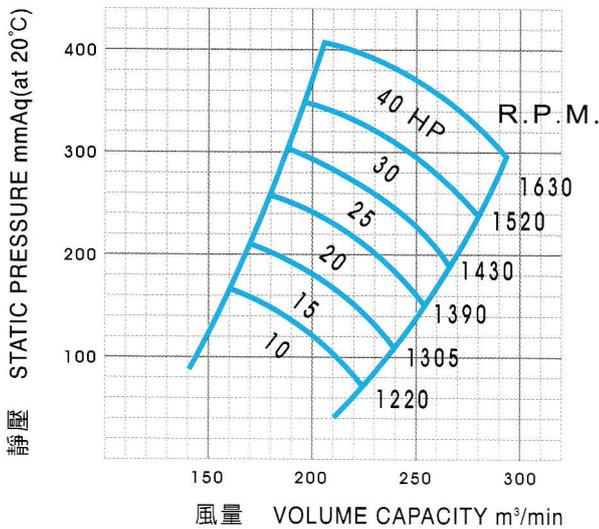
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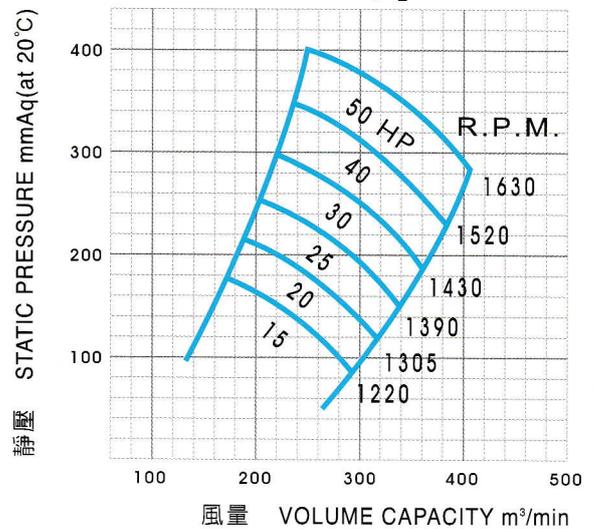
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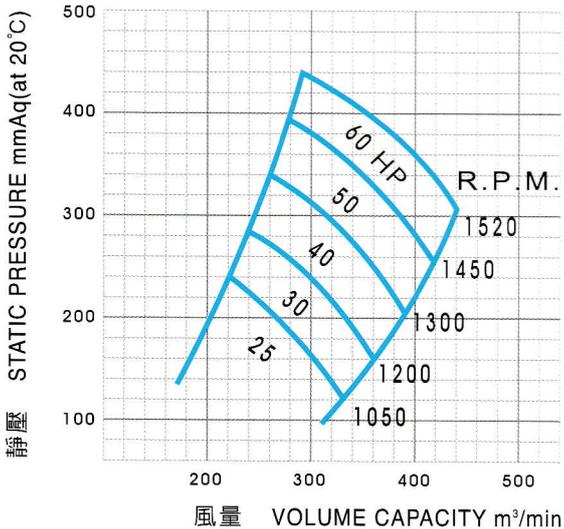
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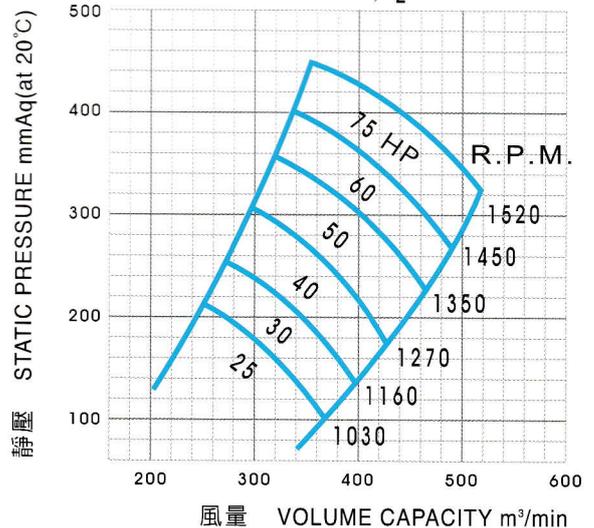
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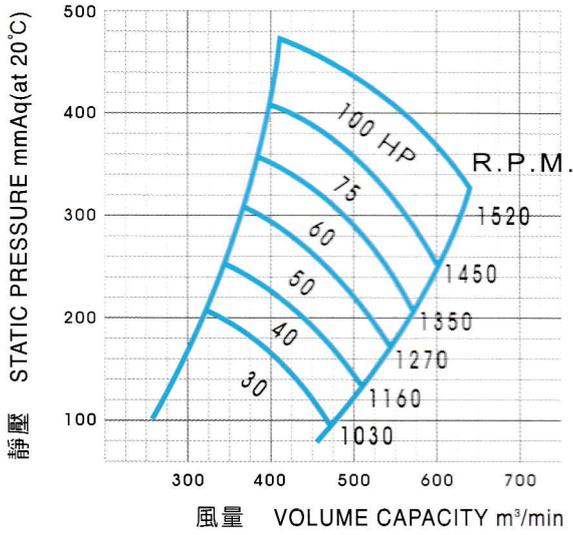
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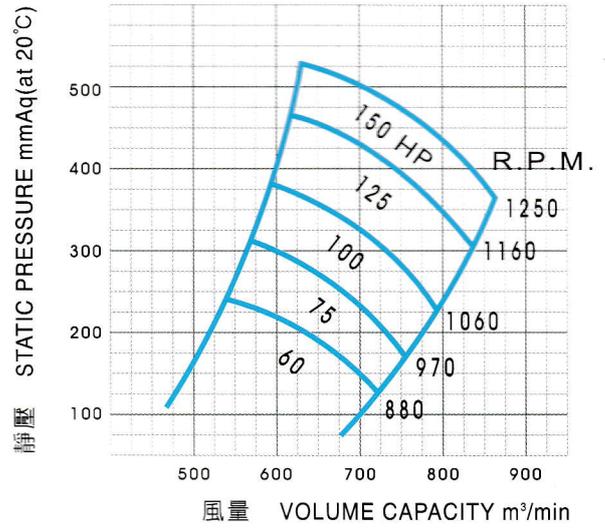
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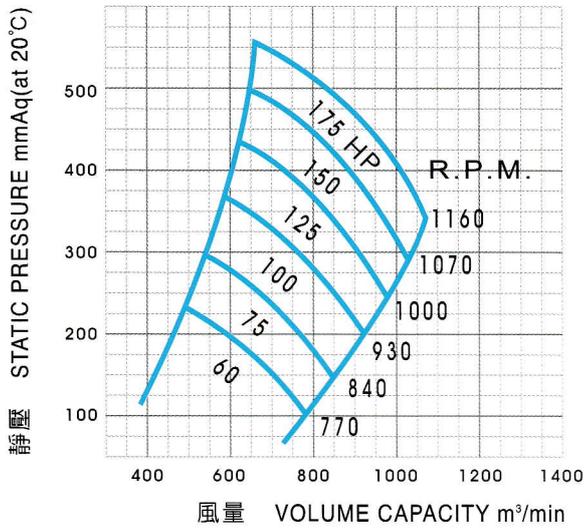
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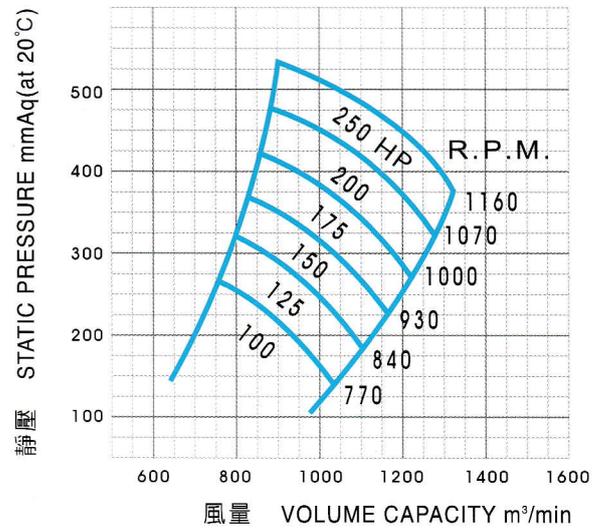
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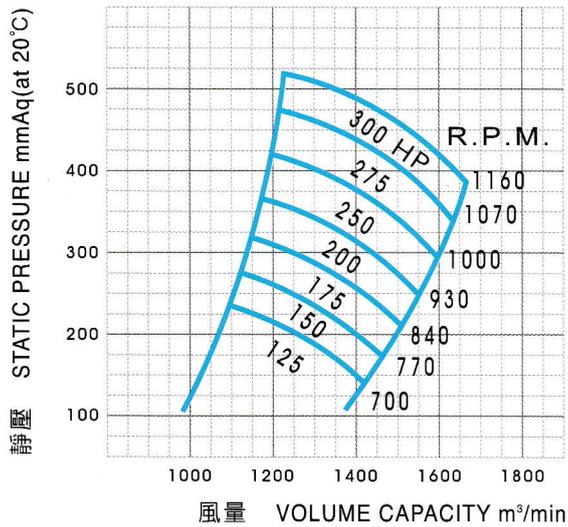
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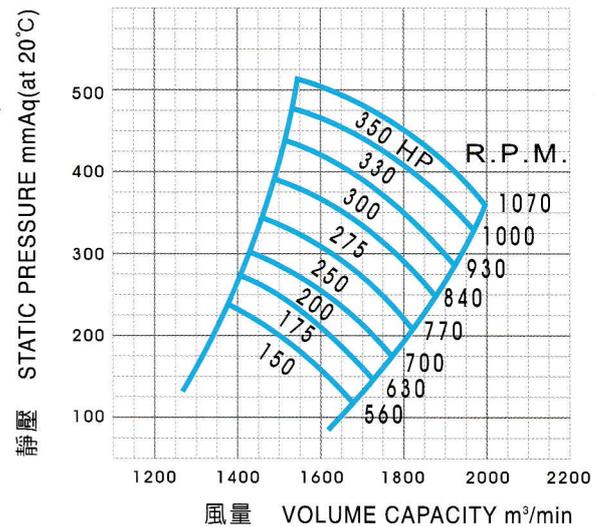
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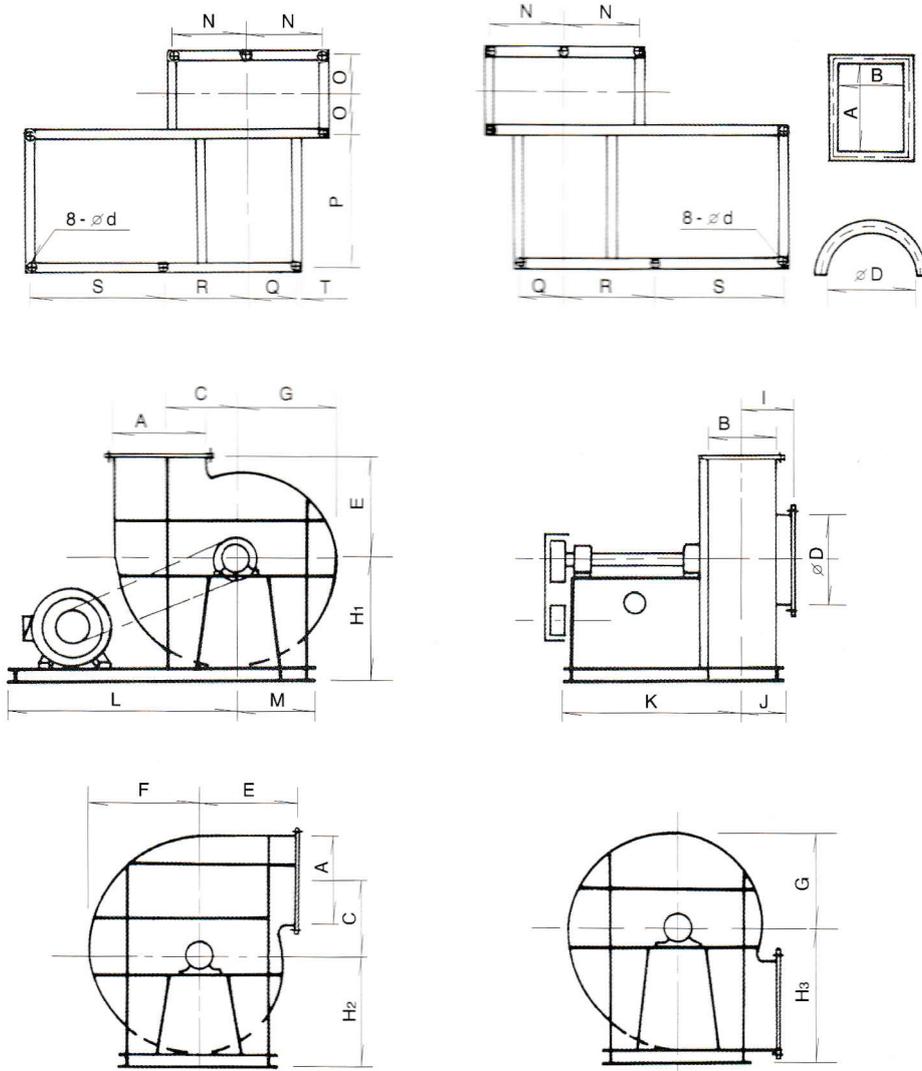


No-11



No-12





尺寸表 Dimensions

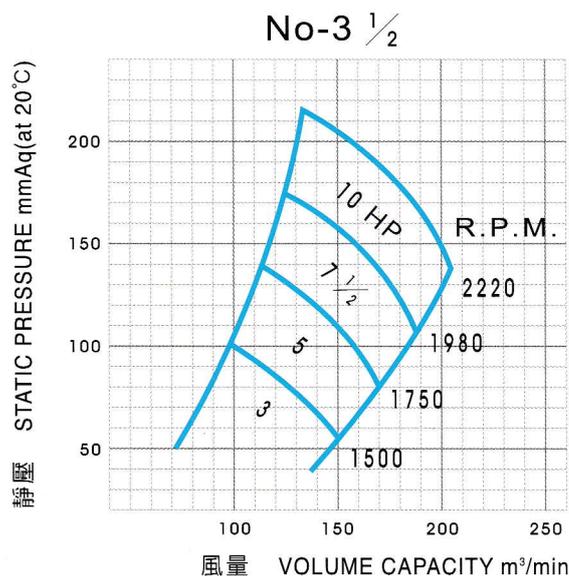
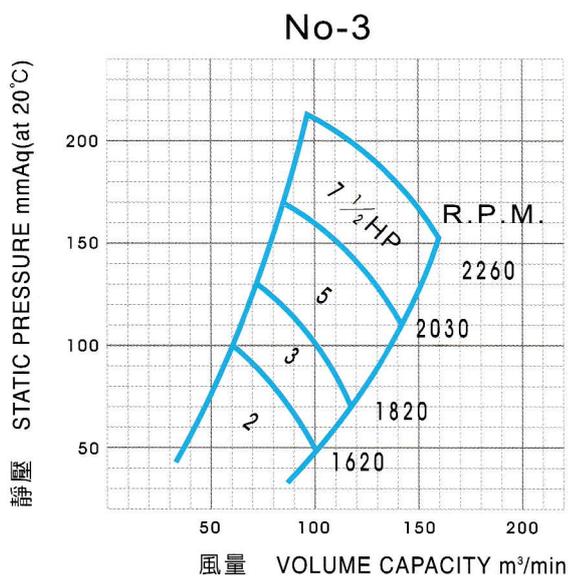
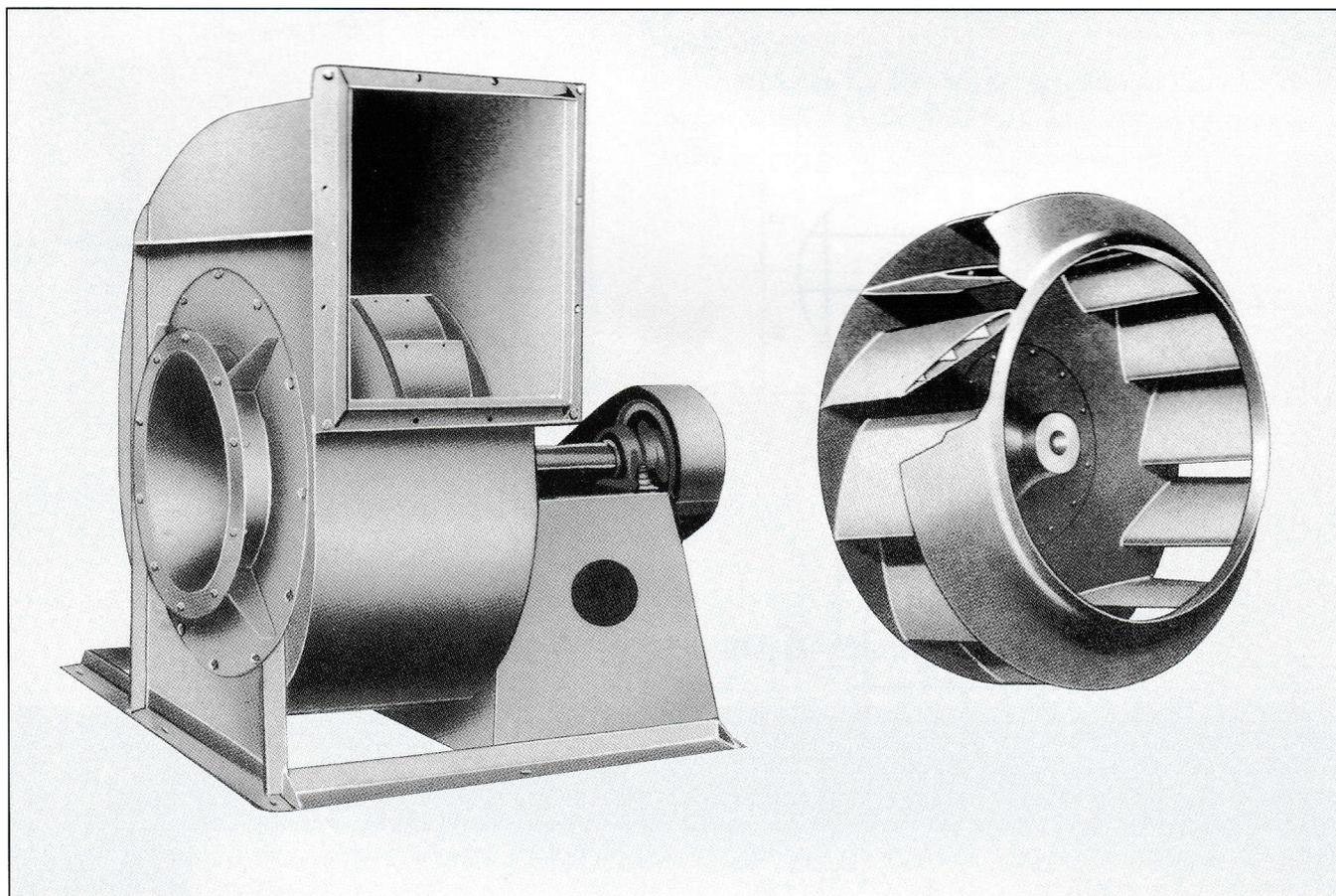
單位UNIT:mm

| 記號 編號 | A | B | C | ∅D | E | F | G | H ₁ | H ₂ | H ₃ | I | J | K | L | M | N | O | P | Q | R | S | T | ∅d |
|----------|------|------|------|------|------|------|------|----------------|----------------|----------------|-----|-----|------|------|------|-----|-----|------|-----|-----|------|----|----|
| 3 | 300 | 250 | 280 | 300 | 330 | 360 | 310 | 400 | 350 | 475 | 175 | 165 | 565 | 660 | 260 | 244 | 149 | 400 | 149 | 248 | 396 | 16 | 12 |
| 3½ | 300 | 250 | 330 | 300 | 350 | 430 | 370 | 480 | 420 | 540 | 175 | 175 | 575 | 710 | 310 | 288 | 153 | 400 | 178 | 255 | 433 | 22 | 15 |
| 4 | 350 | 300 | 375 | 350 | 420 | 485 | 430 | 535 | 480 | 610 | 200 | 200 | 670 | 800 | 350 | 328 | 178 | 470 | 218 | 280 | 498 | 22 | 15 |
| 4½ | 400 | 350 | 430 | 400 | 450 | 550 | 480 | 615 | 545 | 705 | 235 | 240 | 760 | 895 | 390 | 365 | 210 | 520 | 245 | 310 | 555 | 30 | 19 |
| 5 | 450 | 400 | 475 | 450 | 510 | 610 | 530 | 675 | 595 | 775 | 260 | 260 | 865 | 975 | 445 | 415 | 235 | 600 | 260 | 343 | 602 | 30 | 19 |
| 5½ | 550 | 450 | 525 | 500 | 550 | 680 | 590 | 755 | 665 | 885 | 290 | 300 | 930 | 1045 | 495 | 460 | 265 | 630 | 300 | 355 | 655 | 30 | 19 |
| 6 | 600 | 500 | 570 | 550 | 630 | 760 | 660 | 865 | 760 | 980 | 320 | 300 | 1000 | 1110 | 510 | 488 | 278 | 700 | 308 | 390 | 698 | 22 | 19 |
| 6½ | 650 | 500 | 625 | 600 | 650 | 835 | 720 | 960 | 845 | 1085 | 320 | 313 | 1033 | 1193 | 543 | 515 | 285 | 720 | 335 | 415 | 750 | 28 | 22 |
| 7 | 700 | 550 | 630 | 650 | 700 | 870 | 765 | 995 | 890 | 1125 | 345 | 338 | 1138 | 1243 | 593 | 565 | 310 | 800 | 335 | 440 | 775 | 28 | 22 |
| 8 | 850 | 700 | 725 | 850 | 770 | 1005 | 865 | 1155 | 1015 | 1320 | 430 | 425 | 1375 | 1435 | 685 | 650 | 390 | 950 | 390 | 505 | 895 | 35 | 22 |
| 9 | 950 | 800 | 825 | 950 | 870 | 1120 | 960 | 1320 | 1160 | 1525 | 500 | 475 | 1575 | 1555 | 755 | 720 | 440 | 1100 | 465 | 528 | 992 | 35 | 24 |
| 10 | 1100 | 900 | 900 | 1100 | 1060 | 1250 | 1150 | 1470 | 1370 | 1680 | 570 | 540 | 1790 | 1700 | 850 | 810 | 500 | 1250 | 525 | 568 | 1092 | 40 | 24 |
| 11 | 1250 | 1000 | 1025 | 1250 | 1100 | 1400 | 1170 | 1620 | 1390 | 1880 | 620 | 590 | 2000 | 1830 | 930 | 890 | 550 | 1500 | 550 | 620 | 1170 | 40 | 24 |
| 12 | 1450 | 1150 | 1125 | 1450 | 1190 | 1550 | 1290 | 1770 | 1510 | 2080 | 710 | 665 | 2315 | 2205 | 1005 | 965 | 625 | 1650 | 600 | 783 | 1382 | 40 | 24 |

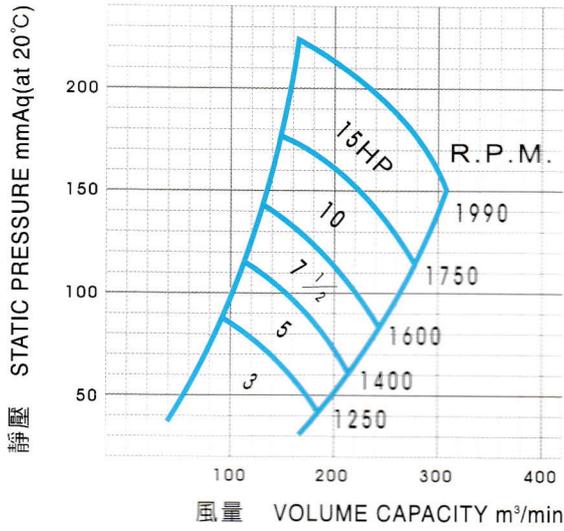
本機依飛機之翼截面原理，應用於風機之設計，有定載之特性不虞馬達超載，效率可達85%，其噪音亦為風機中最低者，適用於乾燥機循環風扇，一般排氣換氣和強制輸送。

The fans construction are based on aero engines' airflow design. It performs very efficiently (up to 85%) with constant load and unlikely to be over loaded. It is the quietest among all the fans.

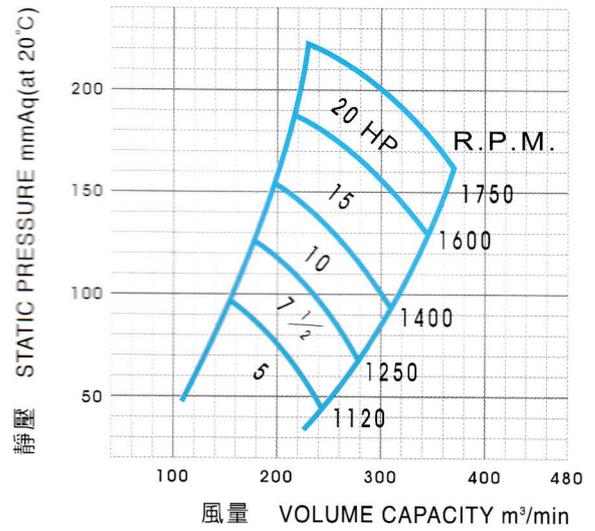
Suitable for dryers, aircirculations, general ventilation and force air flow.



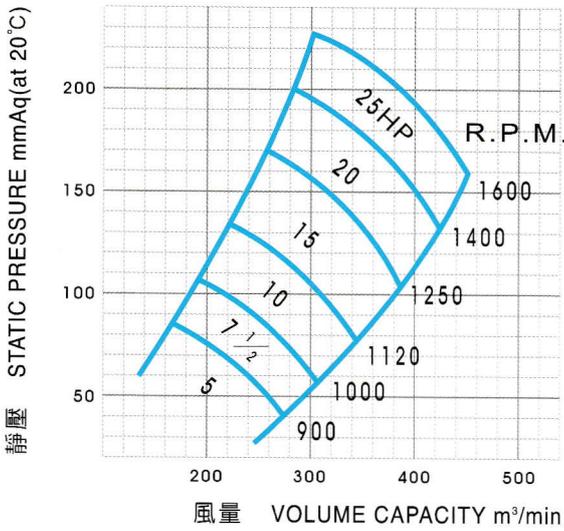
No-4



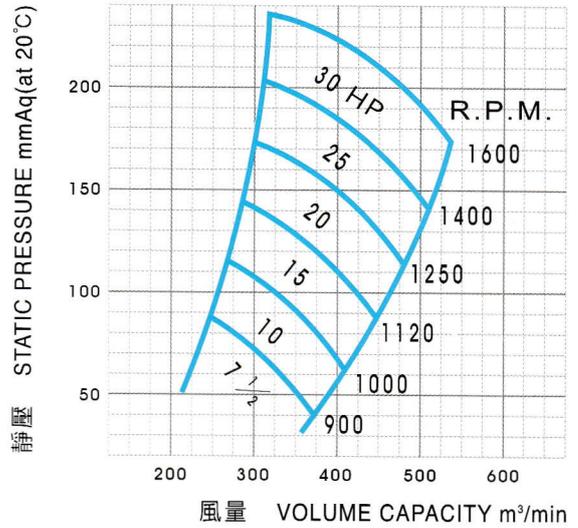
No-4 1/2



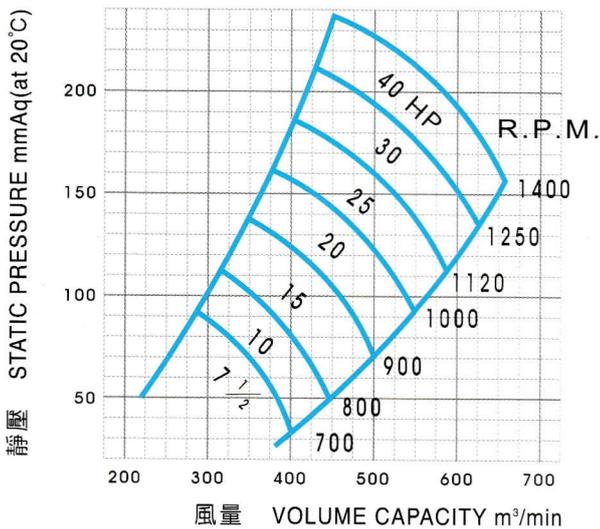
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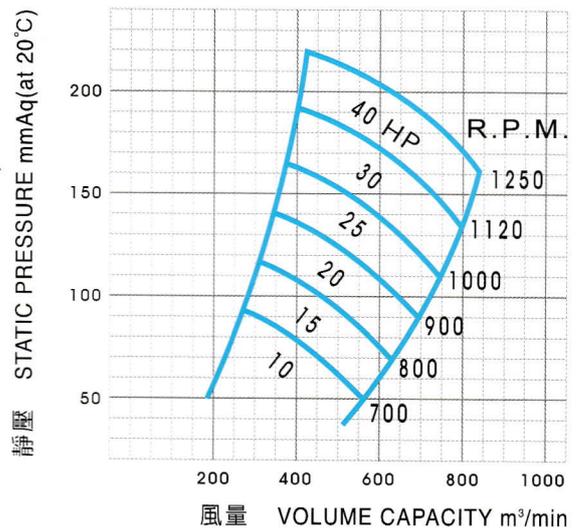
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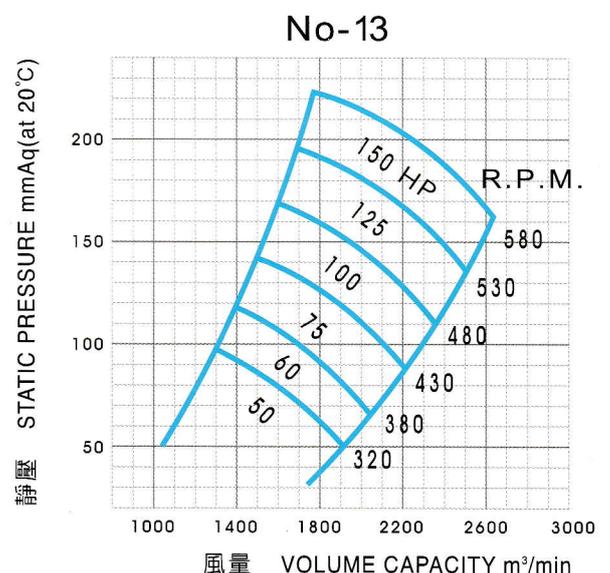
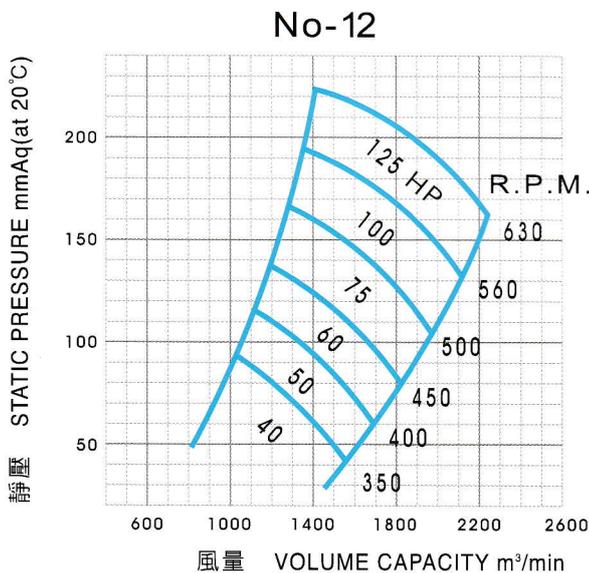
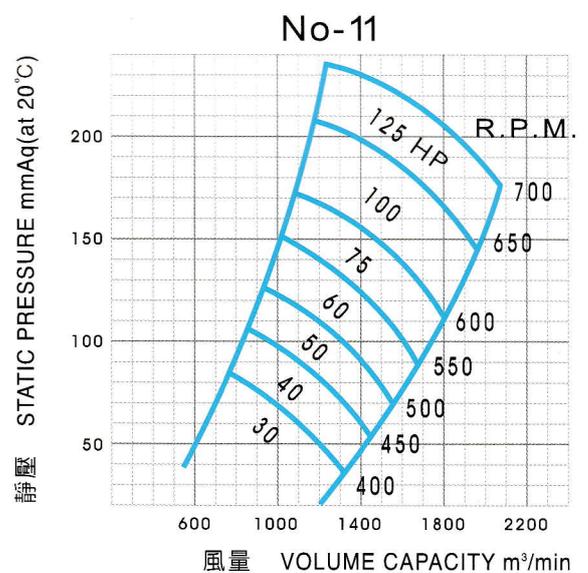
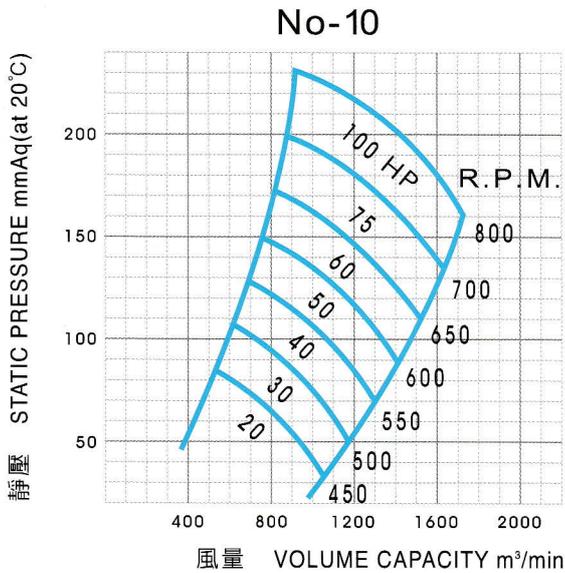
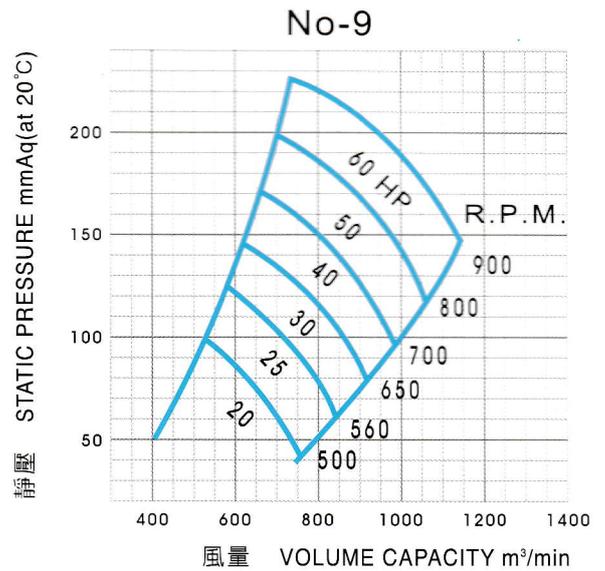
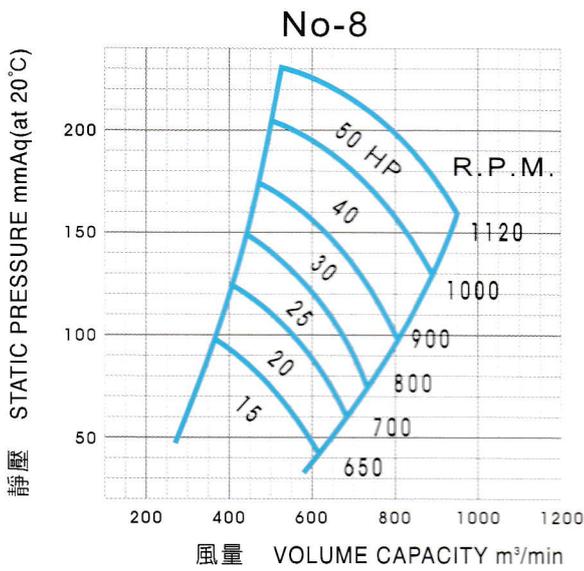


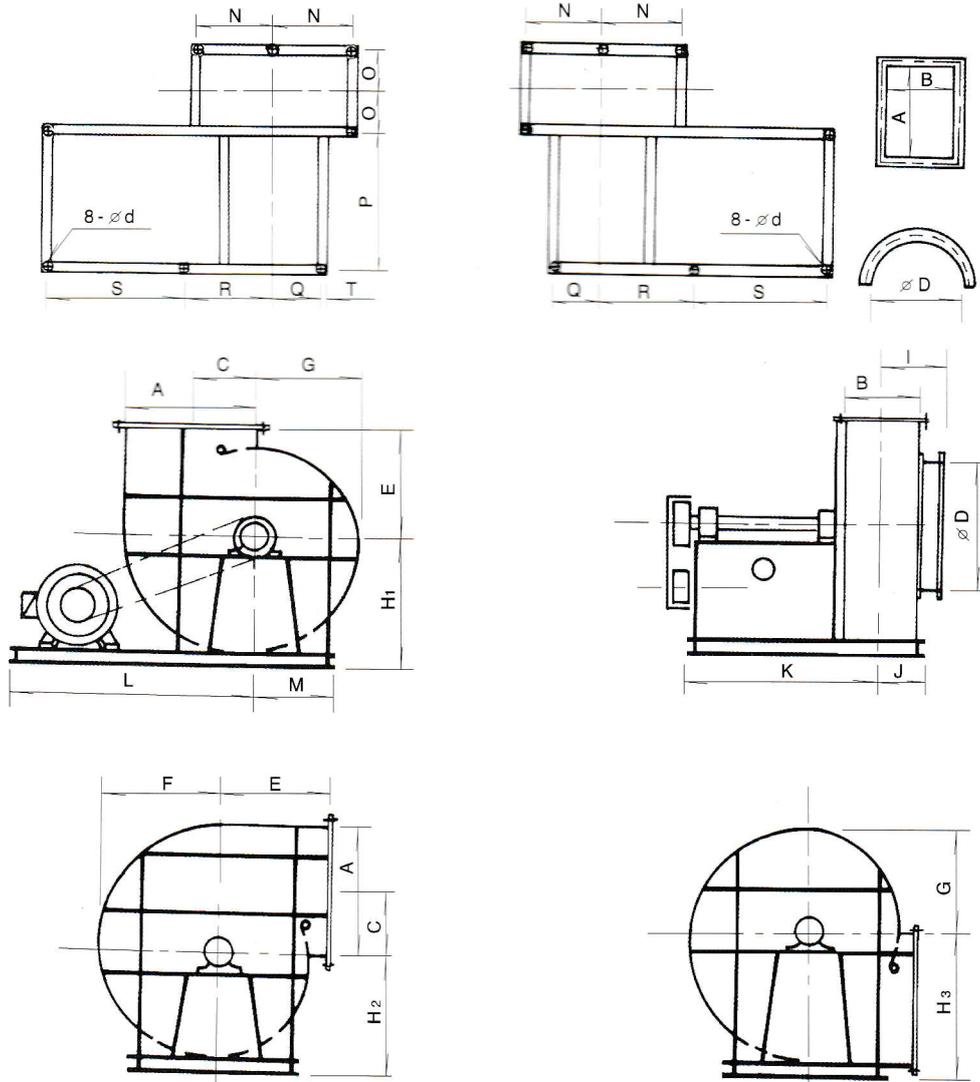
No-6



No-7



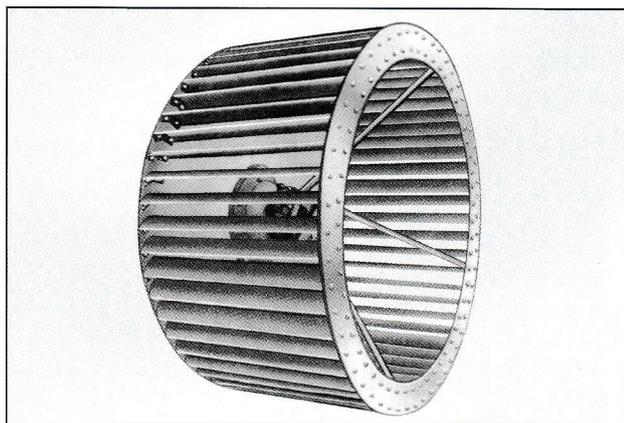




尺寸表 Dimensions

單位UNIT:mm

| 記號 編號 | A | B | C | ∅D | E | F | G | H ₁ | H ₂ | H ₃ | I | J | K | L | M | N | O | P | Q | R | S | T | ∅d |
|----------|------|------|------|------|------|------|------|----------------|----------------|----------------|-----|-----|------|------|------|------|-----|------|-----|-----|------|----|----|
| 3 | 450 | 300 | 225 | 460 | 350 | 410 | 345 | 450 | 385 | 500 | 190 | 190 | 570 | 620 | 270 | 254 | 174 | 380 | 149 | 228 | 376 | 16 | 12 |
| 3½ | 500 | 350 | 250 | 530 | 390 | 440 | 375 | 490 | 425 | 550 | 225 | 225 | 615 | 660 | 310 | 288 | 193 | 400 | 178 | 230 | 408 | 22 | 15 |
| 4 | 580 | 400 | 290 | 610 | 430 | 520 | 450 | 570 | 500 | 650 | 250 | 250 | 700 | 750 | 350 | 328 | 228 | 450 | 218 | 255 | 473 | 22 | 15 |
| 4½ | 660 | 450 | 330 | 690 | 470 | 595 | 495 | 645 | 545 | 710 | 285 | 275 | 775 | 820 | 390 | 368 | 253 | 500 | 238 | 280 | 518 | 22 | 15 |
| 5 | 740 | 500 | 370 | 760 | 540 | 670 | 570 | 735 | 635 | 810 | 315 | 315 | 915 | 925 | 445 | 415 | 270 | 600 | 260 | 317 | 578 | 30 | 19 |
| 5½ | 830 | 550 | 415 | 840 | 570 | 745 | 630 | 810 | 695 | 910 | 340 | 340 | 940 | 965 | 485 | 455 | 310 | 600 | 295 | 320 | 615 | 30 | 19 |
| 6 | 910 | 600 | 455 | 920 | 610 | 810 | 695 | 885 | 770 | 1015 | 380 | 375 | 1025 | 1015 | 535 | 500 | 340 | 650 | 320 | 330 | 650 | 35 | 19 |
| 7 | 1050 | 700 | 525 | 1070 | 730 | 950 | 790 | 1075 | 915 | 1225 | 450 | 413 | 1213 | 1193 | 593 | 565 | 385 | 800 | 335 | 415 | 750 | 28 | 22 |
| 8 | 1170 | 800 | 585 | 1220 | 790 | 980 | 830 | 1110 | 955 | 1320 | 500 | 463 | 1363 | 1273 | 673 | 645 | 435 | 900 | 385 | 430 | 815 | 28 | 22 |
| 9 | 1370 | 900 | 685 | 1370 | 960 | 1195 | 1030 | 1345 | 1180 | 1470 | 550 | 525 | 1625 | 1455 | 755 | 720 | 490 | 1100 | 465 | 477 | 943 | 35 | 22 |
| 10 | 1500 | 1000 | 750 | 1500 | 1050 | 1330 | 1145 | 1530 | 1345 | 1660 | 620 | 575 | 1775 | 1635 | 835 | 800 | 540 | 1200 | 515 | 543 | 1058 | 35 | 24 |
| 11 | 1700 | 1100 | 850 | 1700 | 1150 | 1450 | 1230 | 1650 | 1430 | 1920 | 680 | 640 | 1990 | 1710 | 910 | 870 | 600 | 1350 | 550 | 560 | 1110 | 40 | 24 |
| 12 | 1900 | 1200 | 950 | 1900 | 1250 | 1600 | 1370 | 1800 | 1570 | 2120 | 750 | 690 | 2190 | 1890 | 990 | 950 | 650 | 1500 | 600 | 625 | 1225 | 40 | 24 |
| 13 | 2100 | 1300 | 1050 | 2100 | 1400 | 1800 | 1560 | 2000 | 1760 | 2330 | 800 | 740 | 2390 | 2020 | 1070 | 1030 | 700 | 1650 | 650 | 665 | 1315 | 40 | 24 |



本機為低轉速之風機，且能輸出高風量之特性，低噪音，配合密閉式軸承壽命長，保養方便，適合一般通風換氣，廢氣排除及循環風扇。

This fans are designed for high volume of air flow at low revolution. It is fitted with sealed lubricant bearing for easy maintenance and long service.

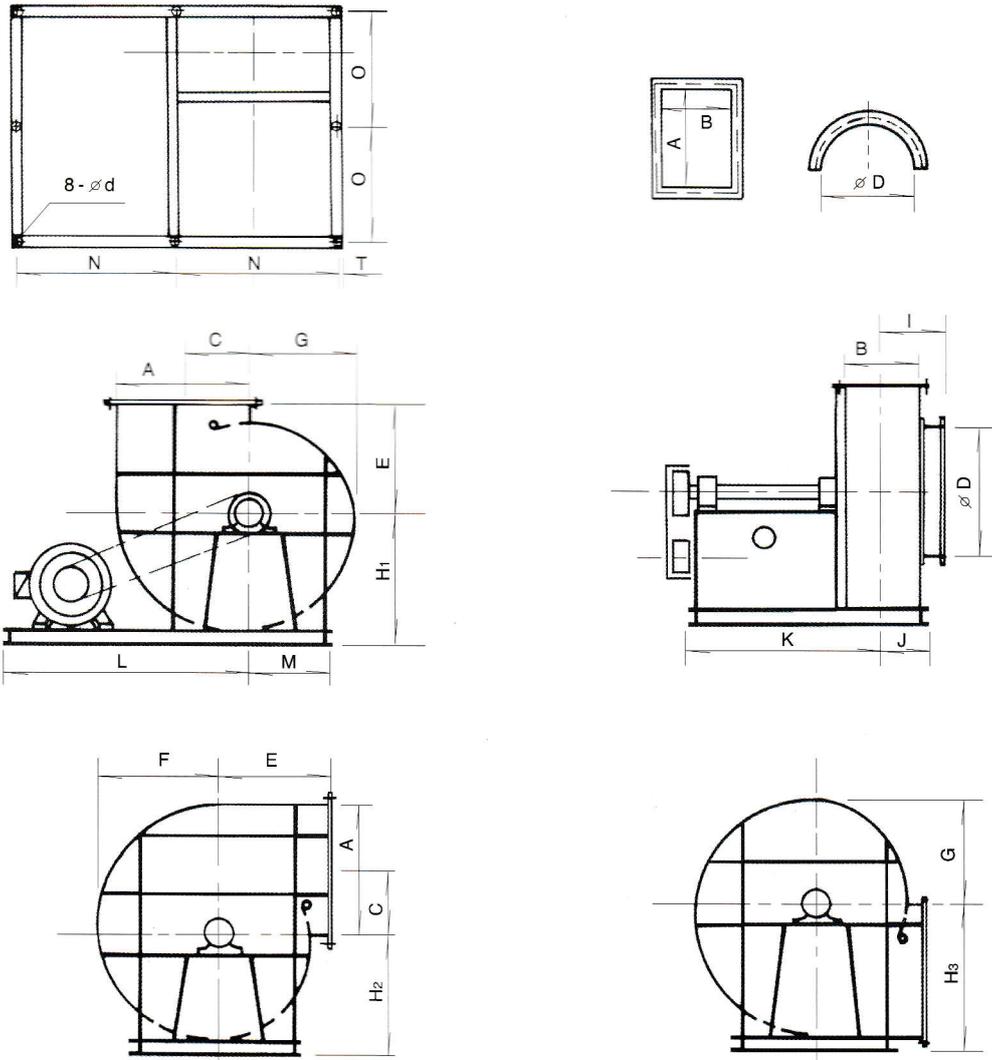
Suitable for general air ventilation, circulation and exhaust system.

選擇及能量 Selections & Ratings

BHP=軸馬力應加15~30%指定馬力

BHP: Add 15-30% to axial (motor) h.p.

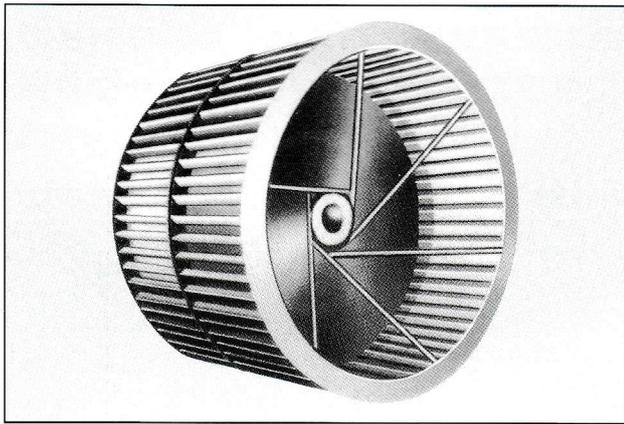
| 型式 | 靜壓 | 15mm | 20mm | 25mm | 30mm | 40mm | 50mm | 60mm | 75mm | 90mm | 105mm | 125mm |
|----------|-----|------|------|------|------|------|------|------|------|------|-------|-------|
| SB-2 | CMM | 26 | 30 | 33 | 37 | 42 | 47 | 52 | 58 | 64 | 69 | 75 |
| | RPM | 728 | 840 | 940 | 1030 | 1190 | 1330 | 1455 | 1630 | 1780 | 1925 | 2100 |
| | BHP | 0.16 | 0.25 | 0.34 | 0.46 | 0.70 | 0.97 | 1.27 | 1.78 | 2.33 | 2.96 | 3.82 |
| SB-2 1/2 | CMM | 41 | 47 | 53 | 58 | 66 | 74 | 82 | 91 | 100 | 108 | 118 |
| | RPM | 582 | 672 | 752 | 824 | 950 | 1060 | 1165 | 1330 | 1425 | 1540 | 1680 |
| | BHP | 0.25 | 0.38 | 0.54 | 0.70 | 1.08 | 1.51 | 1.99 | 2.77 | 3.64 | 4.60 | 5.96 |
| SB-3 | CMM | 59 | 68 | 76 | 83 | 96 | 108 | 118 | 132 | 144 | 156 | 170 |
| | RPM | 485 | 560 | 626 | 686 | 792 | 886 | 970 | 1085 | 1190 | 1285 | 1400 |
| | BHP | 0.36 | 0.55 | 0.77 | 1.01 | 1.55 | 2.18 | 2.86 | 4.00 | 5.26 | 6.62 | 8.60 |
| SB-3 1/2 | CMM | 80 | 98 | 102 | 112 | 130 | 146 | 160 | 178 | 196 | 212 | 232 |
| | RPM | 416 | 480 | 537 | 588 | 678 | 760 | 832 | 930 | 1020 | 1100 | 1200 |
| | BHP | 0.49 | 0.75 | 1.05 | 1.38 | 2.12 | 2.98 | 3.90 | 5.44 | 7.16 | 9.00 | 11.7 |
| SB-4 | CMM | 105 | 120 | 135 | 148 | 170 | 190 | 210 | 235 | 256 | 278 | 302 |
| | RPM | 364 | 420 | 470 | 515 | 595 | 665 | 728 | 815 | 890 | 963 | 1050 |
| | BHP | 0.64 | 0.98 | 1.38 | 1.80 | 2.77 | 3.87 | 5.10 | 7.12 | 9.30 | 11.8 | 15.3 |
| SB-4 1/2 | CMM | 132 | 152 | 172 | 186 | 242 | 246 | 265 | 296 | 325 | 350 | 328 |
| | RPM | 323 | 347 | 418 | 457 | 528 | 590 | 647 | 724 | 792 | 855 | 934 |
| | BHP | 0.81 | 1.24 | 1.74 | 2.28 | 3.52 | 4.89 | 6.43 | 9.02 | 11.8 | 14.9 | 19.3 |
| SB-5 | CMM | 163 | 189 | 211 | 232 | 267 | 298 | 327 | 366 | 401 | 433 | 472 |
| | RPM | 291 | 336 | 376 | 412 | 475 | 531 | 582 | 650 | 713 | 770 | 840 |
| | BHP | 1.00 | 1.53 | 2.14 | 2.82 | 4.32 | 6.02 | 7.94 | 11.1 | 14.6 | 18.4 | 23.8 |
| SB-5 1/2 | CMM | 196 | 228 | 256 | 280 | 322 | 362 | 396 | 442 | 485 | 524 | 572 |
| | RPM | 264 | 306 | 342 | 374 | 432 | 483 | 534 | 592 | 648 | 700 | 764 |
| | BHP | 1.20 | 1.85 | 2.59 | 3.40 | 5.23 | 7.32 | 9.70 | 13.0 | 17.7 | 22.2 | 28.9 |
| SB-6 | CMM | 236 | 272 | 304 | 334 | 385 | 430 | 472 | 526 | 578 | 625 | 680 |
| | RPM | 242 | 280 | 313 | 343 | 396 | 443 | 485 | 542 | 595 | 642 | 700 |
| | BHP | 1.43 | 2.21 | 3.07 | 4.05 | 6.23 | 8.72 | 11.4 | 16.0 | 21.0 | 26.5 | 34.4 |
| SB-7 | CMM | 320 | 370 | 414 | 454 | 524 | 586 | 642 | 718 | 786 | 850 | 926 |
| | RPM | 208 | 240 | 268 | 294 | 339 | 380 | 416 | 465 | 510 | 550 | 600 |
| | BHP | 1.95 | 3.00 | 4.18 | 5.50 | 8.49 | 11.9 | 15.6 | 21.8 | 28.6 | 36.1 | 46.8 |
| SB-8 | CMM | 418 | 484 | 540 | 594 | 684 | 764 | 838 | 936 | 1025 | 1110 | 1210 |
| | RPM | 182 | 210 | 235 | 258 | 297 | 332 | 364 | 407 | 445 | 482 | 525 |
| | BHP | 2.55 | 3.91 | 5.45 | 7.21 | 11.1 | 15.4 | 20.4 | 28.4 | 41.0 | 47.1 | 61.2 |
| SB-9 | CMM | 532 | 612 | 685 | 750 | 866 | 968 | 1060 | 1190 | 1300 | 1405 | 1530 |
| | RPM | 162 | 187 | 209 | 229 | 264 | 295 | 324 | 362 | 396 | 428 | 467 |
| | BHP | 3.23 | 4.96 | 6.92 | 9.11 | 14.0 | 19.5 | 25.7 | 36.1 | 47.3 | 59.7 | 77.2 |
| SB-10 | CMM | 655 | 750 | 845 | 925 | 1070 | 1190 | 1310 | 1460 | 1600 | 1730 | 1890 |
| | RPM | 146 | 168 | 188 | 206 | 238 | 266 | 291 | 325 | 356 | 385 | 420 |
| | BHP | 3.98 | 6.12 | 8.56 | 11.3 | 17.3 | 24.2 | 31.8 | 44.2 | 58.2 | 73.5 | 95.7 |



尺寸表 Dimensions

單位UNIT:mm

| 記號 編號 | A | B | C | φD | E | F | G | H ₁ | H ₂ | H ₃ | I | J | K | L | M | N | O | T | φd |
|----------|------|------|-----|------|------|------|------|----------------|----------------|----------------|-----|-----|------|------|-----|------|------|----|----|
| 2 | 300 | 230 | 150 | 300 | 215 | 265 | 225 | 295 | 255 | 335 | 155 | 155 | 405 | 440 | 195 | 299 | 264 | 16 | 12 |
| 2½ | 380 | 300 | 190 | 380 | 280 | 330 | 280 | 370 | 320 | 430 | 190 | 190 | 490 | 530 | 230 | 364 | 324 | 16 | 12 |
| 3 | 450 | 350 | 225 | 460 | 350 | 410 | 345 | 450 | 385 | 500 | 225 | 215 | 595 | 620 | 270 | 429 | 389 | 16 | 12 |
| 3½ | 500 | 400 | 250 | 530 | 390 | 440 | 375 | 490 | 425 | 550 | 250 | 250 | 650 | 660 | 310 | 463 | 428 | 22 | 15 |
| 4 | 580 | 450 | 290 | 610 | 430 | 520 | 450 | 570 | 500 | 650 | 275 | 275 | 725 | 750 | 350 | 528 | 478 | 22 | 15 |
| 4½ | 660 | 500 | 330 | 690 | 470 | 595 | 495 | 645 | 545 | 710 | 310 | 300 | 800 | 820 | 390 | 583 | 528 | 22 | 15 |
| 5 | 740 | 550 | 370 | 760 | 540 | 670 | 570 | 735 | 635 | 810 | 340 | 340 | 940 | 925 | 445 | 655 | 610 | 30 | 19 |
| 5½ | 830 | 600 | 415 | 840 | 570 | 745 | 630 | 810 | 695 | 910 | 380 | 365 | 1015 | 965 | 485 | 695 | 660 | 30 | 19 |
| 6 | 910 | 650 | 455 | 920 | 610 | 810 | 695 | 875 | 760 | 990 | 405 | 390 | 1040 | 1005 | 525 | 735 | 685 | 30 | 19 |
| 7 | 1050 | 800 | 525 | 1070 | 730 | 950 | 790 | 1025 | 865 | 1150 | 500 | 475 | 1275 | 1105 | 605 | 820 | 840 | 35 | 19 |
| 8 | 1170 | 900 | 585 | 1220 | 790 | 980 | 830 | 1110 | 955 | 1320 | 550 | 513 | 1413 | 1273 | 673 | 946 | 936 | 28 | 22 |
| 9 | 1370 | 950 | 685 | 1370 | 960 | 1195 | 1030 | 1345 | 1180 | 1470 | 575 | 550 | 1650 | 1455 | 755 | 1070 | 1065 | 35 | 22 |
| 10 | 1500 | 1050 | 750 | 1500 | 1050 | 1330 | 1145 | 1530 | 1345 | 1660 | 645 | 600 | 1800 | 1635 | 835 | 1200 | 1165 | 35 | 24 |



本機為雙入口之外型，構造簡單配合密閉式軸承於兩旁，保養方便壽命長，且能輸出最大之風量和低噪音，多使用於空調設備通風換氣和冷卻設備。

The fans are designed for double inlets. Its design and structure are simplified for easy maintenance and long life service. High volume of air flow can be achieved at very low noise level.

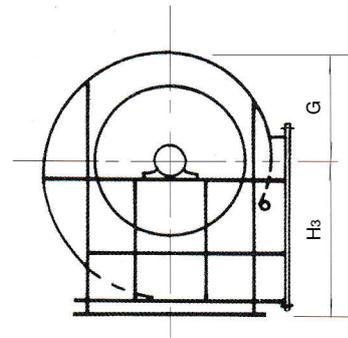
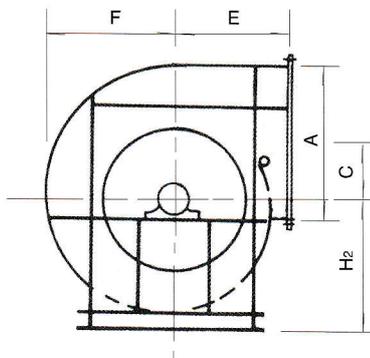
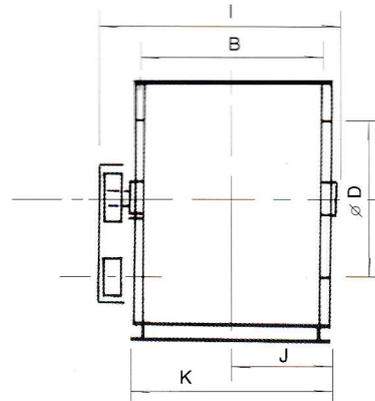
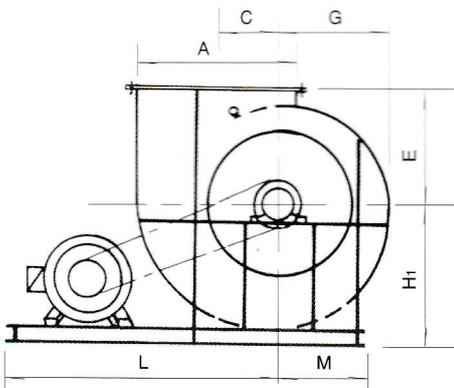
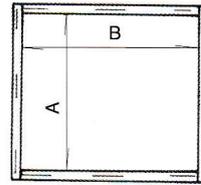
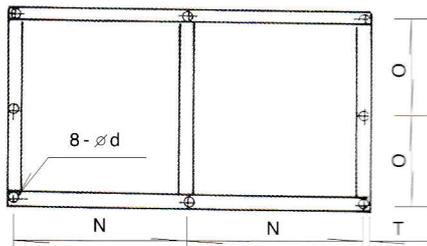
Suitable for air conditioning, ventilations and cooling systems.

選擇及能量 Selections & Ratings

BHP=軸馬力應加15~30%指定馬力

BHP: Add 15-30% to axial (motor) h.p.

| 型 式 | 靜壓 | 16mm | 20mm | 25mm | 32mm | 40mm | 45mm | 50mm | 63mm | 80mm | 90mm | 100mm |
|-----------|-----|------|------|------|------|------|------|-------|------|------|------|-------|
| SSB-2 | CMM | 50.0 | 58.0 | 65.0 | 72.0 | 81.0 | 90.0 | 101.0 | 112 | 121 | 130 | 137 |
| | RPM | 722 | 810 | 912 | 1010 | 1135 | 1212 | 1270 | 1460 | 1635 | 1736 | 1836 |
| | BHP | 0.30 | 0.12 | 0.60 | 0.85 | 1.20 | 1.54 | 1.71 | 2.76 | 3.68 | 4.42 | 5.22 |
| SSB-2 1/2 | CMM | 80.0 | 90.0 | 101 | 112 | 127 | 140 | 157 | 165 | 175 | 189 | 203 |
| | RPM | 586 | 650 | 730 | 810 | 916 | 970 | 1040 | 1440 | 1300 | 1378 | 1450 |
| | BHP | 0.46 | 0.67 | 0.93 | 1.32 | 1.92 | 2.41 | 3.05 | 3.94 | 5.22 | 6.32 | 7.53 |
| SSB-3 | CMM | 127 | 145 | 165 | 180 | 203 | 224 | 254 | 265 | 280 | 304 | 330 |
| | RPM | 461 | 510 | 570 | 640 | 723 | 766 | 815 | 909 | 1030 | 1087 | 1150 |
| | BHP | 0.75 | 1.07 | 1.51 | 2.13 | 3.00 | 3.85 | 4.90 | 6.35 | 8.37 | 10.1 | 12.0 |
| SSB-3 1/2 | CMM | 157 | 180 | 203 | 224 | 254 | 280 | 315 | 330 | 350 | 378 | 405 |
| | RPM | 416 | 459 | 515 | 580 | 652 | 686 | 730 | 809 | 920 | 975 | 1030 |
| | BHP | 0.93 | 1.32 | 1.88 | 2.65 | 3.75 | 4.82 | 6.12 | 7.93 | 10.4 | 12.6 | 15.0 |
| SSB-4 | CMM | 203 | 330 | 360 | 405 | 425 | 450 | 487 | 523 | 545 | 586 | 660 |
| | RPM | 365 | 405 | 480 | 538 | 600 | 640 | 670 | 750 | 836 | 887 | 946 |
| | BHP | 1.20 | 1.70 | 4.15 | 5.76 | 7.38 | 8.85 | 10.5 | 13.6 | 17.8 | 21.1 | 27.0 |
| SSB-4 1/2 | CMM | 250 | 285 | 325 | 360 | 405 | 450 | 500 | 529 | 560 | 605 | 650 |
| | RPM | 325 | 360 | 456 | 458 | 510 | 543 | 580 | 640 | 730 | 771 | 815 |
| | BHP | 1.50 | 2.11 | 3.71 | 4.23 | 5.98 | 7.70 | 9.76 | 12.6 | 16.7 | 20.2 | 23.9 |
| SSB-5 | CMM | 315 | 360 | 405 | 450 | 508 | 560 | 630 | 664 | 700 | 760 | 810 |
| | RPM | 292 | 325 | 365 | 405 | 458 | 485 | 520 | 572 | 650 | 690 | 725 |
| | BHP | 1.87 | 2.65 | 3.65 | 5.30 | 7.50 | 9.64 | 12.2 | 15.8 | 20.9 | 25.3 | 30.1 |
| SSB-5 1/2 | CMM | 405 | 462 | 523 | 580 | 650 | 720 | 810 | 848 | 900 | 970 | 1040 |
| | RPM | 258 | 285 | 322 | 360 | 404 | 428 | 456 | 505 | 575 | 608 | 640 |
| | BHP | 2.41 | 3.40 | 4.82 | 6.80 | 9.62 | 12.3 | 15.6 | 20.3 | 26.8 | 32.4 | 38.5 |
| SSB-6 | CMM | 500 | 580 | 650 | 730 | 825 | 900 | 1000 | 1060 | 1120 | 1120 | 1320 |
| | RPM | 230 | 256 | 288 | 321 | 362 | 383 | 411 | 452 | 512 | 544 | 576 |
| | BHP | 3.00 | 4.24 | 6.03 | 8.49 | 12.0 | 15.4 | 19.5 | 25.3 | 33.5 | 40.4 | 48.2 |
| SSB-7 | CMM | 615 | 700 | 800 | 879 | 986 | 1010 | 1220 | 1323 | 1380 | 1514 | 1600 |
| | RPM | 206 | 230 | 258 | 290 | 324 | 343 | 369 | 406 | 460 | 487 | 515 |
| | BHP | 3.76 | 5.32 | 7.90 | 10.5 | 15.8 | 19.2 | 24.5 | 31.6 | 41.8 | 50.6 | 60.3 |
| SSB-8 | CMM | 780 | 800 | 1110 | 1120 | 1250 | 1400 | 1550 | 1584 | 1750 | 1812 | 2030 |
| | RPM | 186 | 206 | 258 | 258 | 291 | 308 | 330 | 363 | 412 | 438 | 462 |
| | BHP | 4.62 | 6.53 | 11.4 | 13.0 | 18.4 | 23.7 | 30.1 | 38.9 | 51.5 | 62.4 | 74.3 |
| SSB-9 | CMM | 975 | 1120 | 1270 | 1140 | 1570 | 1750 | 1950 | 2052 | 2180 | 2347 | 2520 |
| | RPM | 166 | 185 | 206 | 233 | 261 | 276 | 395 | 325 | 370 | 391 | 412 |
| | BHP | 5.82 | 8.24 | 11.6 | 16.4 | 23.3 | 29.8 | 37.9 | 49.1 | 64.8 | 78.3 | 93.1 |
| SSB-10 | CMM | 1259 | 1438 | 1631 | 1800 | 2025 | 2250 | 2519 | 2650 | 2813 | 3031 | 3263 |
| | RPM | 146 | 162 | 180 | 203 | 229 | 242 | 260 | 286 | 325 | 344 | 364 |
| | BHP | 7.16 | 10.5 | 15.0 | 21.1 | 30.5 | 38.3 | 48.7 | 62.9 | 83.2 | 100 | 120 |



尺寸表 Dimensions

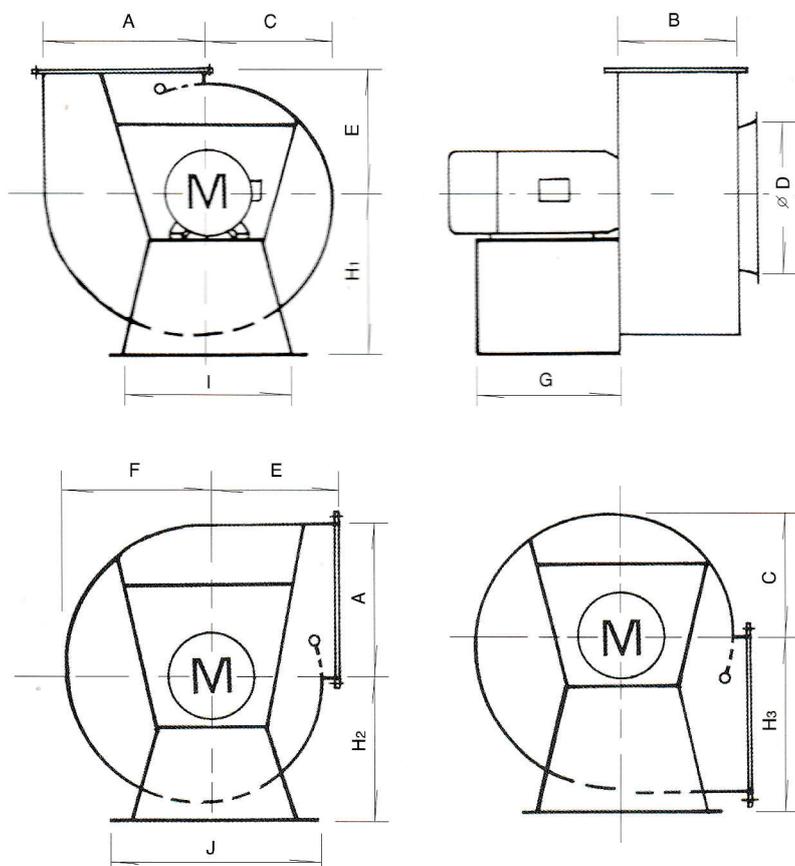
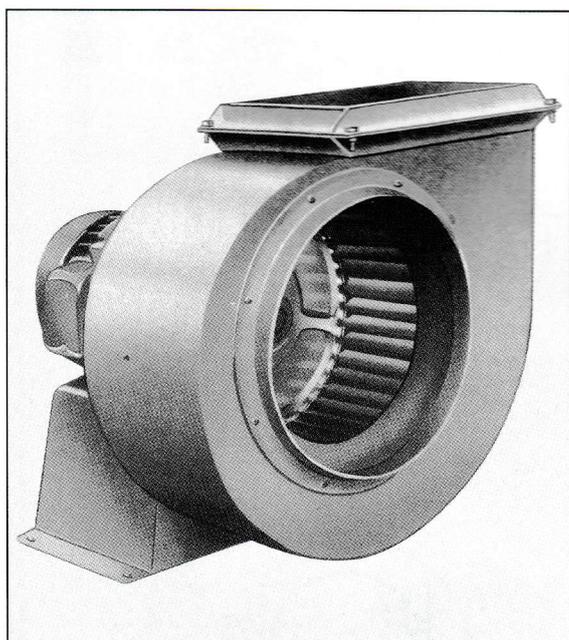
單位UNIT:mm

| 記號 編號 | A | B | C | φD | E | F | G | H ₁ | H ₂ | H ₃ | I | J | K | L | M | N | O | T | φd |
|----------|------|------|-----|------|------|------|------|----------------|----------------|----------------|------|------|------|------|-----|------|------|----|----|
| 2 | 330 | 360 | 135 | 300 | 215 | 265 | 225 | 295 | 255 | 335 | 580 | 220 | 440 | 600 | 230 | 395 | 204 | 16 | 12 |
| 2½ | 410 | 460 | 175 | 380 | 280 | 330 | 290 | 370 | 320 | 430 | 690 | 270 | 540 | 770 | 280 | 509 | 254 | 16 | 12 |
| 3 | 480 | 600 | 210 | 460 | 350 | 410 | 345 | 460 | 390 | 510 | 860 | 350 | 700 | 910 | 320 | 593 | 328 | 22 | 15 |
| 3½ | 560 | 700 | 220 | 530 | 390 | 440 | 375 | 490 | 425 | 550 | 960 | 400 | 800 | 1000 | 370 | 663 | 378 | 22 | 15 |
| 4 | 650 | 800 | 260 | 610 | 430 | 520 | 450 | 570 | 500 | 650 | 1100 | 450 | 900 | 1135 | 410 | 750 | 428 | 22 | 15 |
| 4½ | 720 | 900 | 295 | 690 | 470 | 595 | 495 | 645 | 545 | 710 | 1220 | 500 | 1000 | 1205 | 460 | 810 | 475 | 22 | 15 |
| 5 | 800 | 1000 | 340 | 760 | 540 | 670 | 570 | 735 | 635 | 810 | 1320 | 565 | 1130 | 1355 | 505 | 900 | 535 | 30 | 19 |
| 5½ | 900 | 1120 | 380 | 840 | 570 | 745 | 630 | 810 | 695 | 910 | 1450 | 625 | 1250 | 1445 | 545 | 965 | 595 | 30 | 19 |
| 6 | 1000 | 1250 | 415 | 920 | 610 | 810 | 695 | 885 | 770 | 1015 | 1600 | 700 | 1400 | 1590 | 605 | 1062 | 665 | 30 | 19 |
| 7 | 1120 | 1400 | 490 | 1070 | 730 | 950 | 790 | 1075 | 915 | 1225 | 1880 | 763 | 1526 | 1763 | 663 | 1185 | 735 | 35 | 19 |
| 8 | 1250 | 1600 | 545 | 1220 | 790 | 980 | 830 | 1110 | 955 | 1320 | 2150 | 863 | 1726 | 1933 | 733 | 1305 | 835 | 28 | 22 |
| 9 | 1420 | 1800 | 660 | 1370 | 960 | 1195 | 1030 | 1345 | 1180 | 1470 | 2430 | 975 | 1950 | 2295 | 825 | 1525 | 940 | 35 | 22 |
| 10 | 1600 | 2000 | 700 | 1500 | 1050 | 1330 | 1145 | 1530 | 1345 | 1660 | 2730 | 1075 | 2150 | 2475 | 905 | 1655 | 1040 | 35 | 24 |

本機為馬達直結驅動式，性能佳，佔地小，風量大且噪音低，葉片經沖壓成形，角度正確對氣流之安穩性優良，適用於小型場所之通風換氣等。

The fans are driven directly by the motors. Its press-processed blades are accurately shaped which allows great volume of air flow and very quiet in operation.

It is compact and well suited for confine areas.



選擇及能量 Selections & Ratings

| 型 式 TYPE | 馬 達 | | 風 量 m ³ /min | 靜 壓 mmAq | 尺 寸 (Dimensions)mm | | | | | | | | | | | |
|-------------|-----|------|----------------------------|-------------|--------------------|-----|-----|-----|-----|-----|-----|----------------|----------------|----------------|-----|-----|
| | HP | RPM | | | A | B | C | φD | E | F | G | H ₁ | H ₂ | H ₃ | I | J |
| SD-1½ | ½ | 1750 | 26 | 45 | 230 | 160 | 180 | 240 | 185 | 210 | 170 | 235 | 205 | 275 | 200 | 260 |
| SD-1¾ | ½ | 1160 | 40 | 20 | 255 | 170 | 200 | 275 | 195 | 230 | 190 | 260 | 230 | 300 | 230 | 300 |
| SD-1¾ | 1 | 1750 | 34 | 50 | 255 | 170 | 200 | 275 | 195 | 230 | 190 | 260 | 230 | 300 | 230 | 300 |
| SD-1¾ | 2 | 1750 | 50 | 50 | 255 | 185 | 200 | 275 | 195 | 230 | 220 | 260 | 230 | 300 | 230 | 300 |
| SD-2 | 2 | 1160 | 75 | 35 | 300 | 210 | 225 | 320 | 215 | 265 | 220 | 295 | 255 | 350 | 260 | 340 |
| SD-2 | 3 | 1750 | 61 | 75 | 300 | 210 | 225 | 320 | 215 | 265 | 240 | 295 | 255 | 350 | 260 | 340 |
| SD-2½ | 5 | 1750 | 100 | 90 | 380 | 250 | 280 | 380 | 275 | 330 | 250 | 370 | 320 | 440 | 330 | 410 |
| SD-2½ | 7½ | 1750 | 110 | 105 | 380 | 300 | 280 | 380 | 275 | 330 | 280 | 370 | 320 | 440 | 330 | 410 |



設計參考資料

DESIGN MATERIALS REFERENCE

室(廠)內所需換氣量及噪音標準

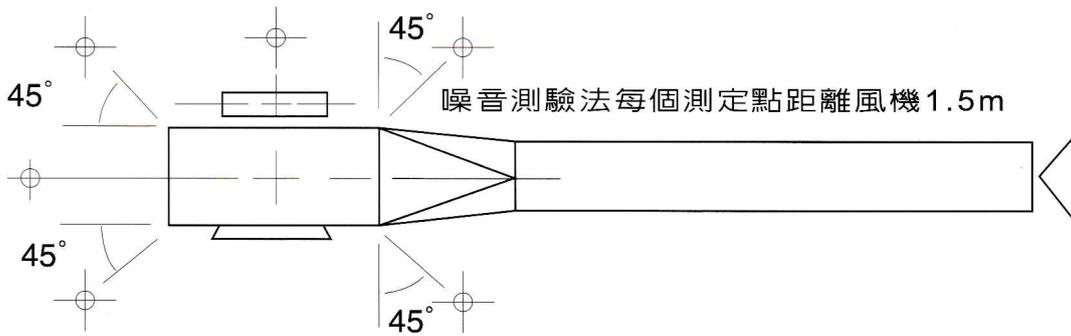
計算公式 $Q = \frac{v \cdot a}{60}$

Q: 必要換氣量

V: 室內容積

a: 每小時換氣次數

| 場所 | 換氣次數 次/h | 容許噪音 | 場所 | 換氣次數 次/h | 容許噪音 |
|------|----------|----------|------|----------|----------|
| 圖書館 | 6-10 | 35-40 db | 餐廳 | 7-20 | 50-55 db |
| 醫院 | 4-6 | 35-40 db | 廚房 | 20-60 | 60-65 db |
| 戲院 | 10-20 | 40-45 db | 體育館 | 15-30 | 60-65 db |
| 教室 | 6-10 | 45 db | 一般工廠 | 6-12 | 60-65 db |
| 辦公室 | 6-12 | 55 db | 機械工廠 | 12-20 | 70-75 db |
| 百貨公司 | 10-15 | 50-55 db | 鍋爐工廠 | 15-30 | 75-80 db |



流量

| m ³ /h (cmh) | m ³ /min (cmm) | (英) gal/min | (米) gal/min | ft ³ /h | ft ³ /min (cfm) |
|-------------------------|---------------------------|-------------|-------------|--------------------|----------------------------|
| 3.6 | 0.060 | 13.197 | 15.8514 | 127.14 | 21.192 |
| 1 | 0.0167 | 3.6658 | 4.4032 | 35.317 | 0.5881 |
| 60.0 | 1 | 219.98 | 264.1833 | 2,119.183 | 35.3165 |
| 0.2728 | 0.0045 | 1 | 1.2011 | 9.6342 | 0.1606 |
| 0.2271 | 0.0038 | 0.8325 | 1 | 8.0208 | 0.1777 |
| 0.0283 | 0.0005 | 0.1038 | 0.1247 | 1 | 0.0167 |
| 1.6989 | 0.0283 | 6.2279 | 7.4855 | 60.0 | 1 |

壓力

| kg/cm ² (abs) | 氣壓 (atm) | 水銀柱 | | 水柱 (15°C) Aq | |
|--------------------------|----------|--------|--------|--------------|--------|
| | | mmHg | inHg | mmAq | ftAq |
| 1 | 0.9678 | 735.5 | 28.96 | 10.01 | 32.883 |
| 0.0703 | 0.0680 | 51.71 | 2.0355 | 0.704 | 2.250 |
| 1.0333 | 1 | 760 | 29.92 | 10.34 | 33.933 |
| 0.0014 | 0.0013 | 1 | 0.0394 | 0.0136 | 0.0446 |
| 0.0345 | 0.0334 | 25.4 | 1 | 0.3456 | 1.134 |
| 0.0999 | 0.0967 | 73.49 | 2.893 | 1 | 3.2808 |
| 0.0305 | 0.0295 | 22.404 | 0.8819 | 0.3048 | 1 |

動力

| HP | KW | kg.m/sec | kcal/sec |
|--------|--------|----------|----------|
| 0.9859 | 0.7355 | 75 | 0.1757 |
| 1 | 0.746 | 76.07 | 0.1782 |
| 1.3405 | 1 | 101.97 | 0.2389 |
| 0.0132 | 0.0098 | 1 | 0.0023 |
| 0.0018 | 0.0014 | 0.1383 | 0.0332 |
| 5.611 | 4.186 | 426.9 | 1 |
| 1.414 | 1.055 | 107.6 | 0.2520 |



風速，風量相抵抗之關係圖(圓形管)

如圖：在風量600M³/min，通風管直徑1000mm時，通風管內風速為13m/sec，每100m的磨擦損失為20mmAq。

例：如長方形通風管450mmx300mm，換算成圓形通風管時，可由下列公式求得。

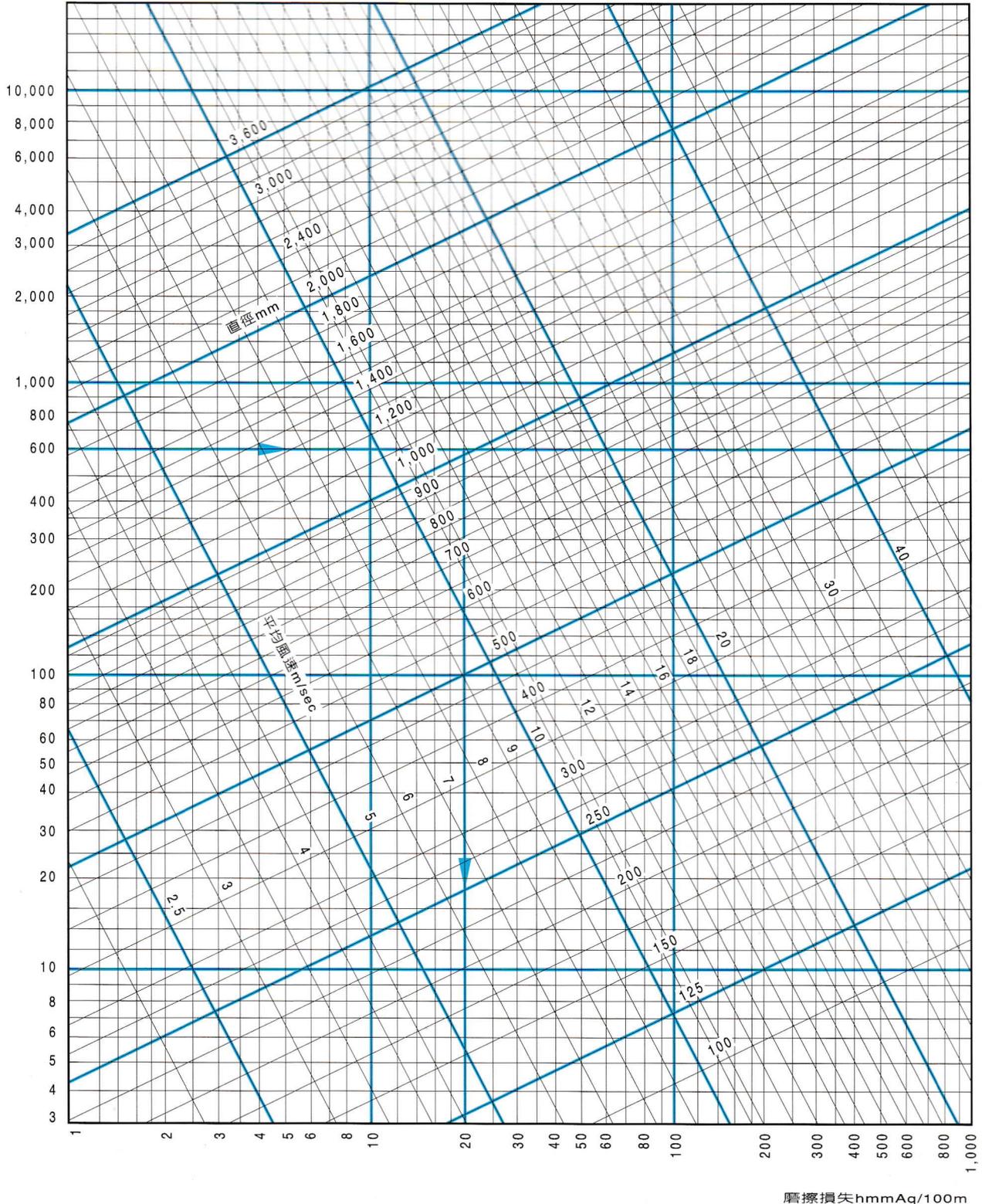
$$De = 1.3 \sqrt{\frac{(axb)^5}{(axb)^2}}$$

De = 圓形通風管的直徑(mm)

a = 長方形通風管的長邊之長度(mm)

b = 長方形通風管的短邊之長度(mm)

圓型直管磨擦損失



磨擦損失 hmmAq/100m

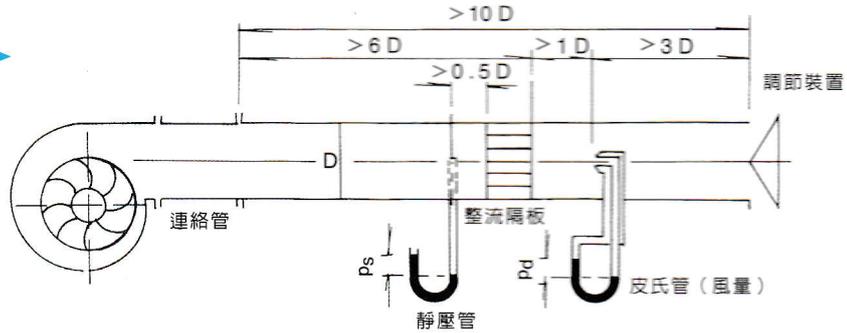


(送風機標準性能測試方法)

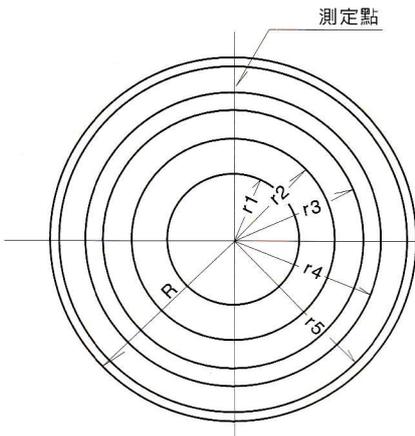
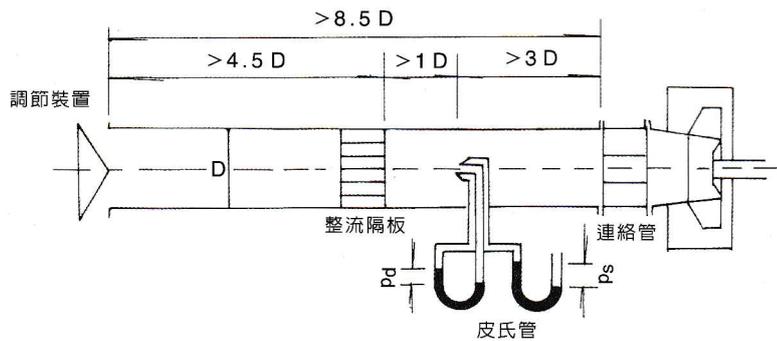
FANS FUNCTION & TESTING METHODOLOGY

依CNS (國家標準) 送風機之性能測試如下：

出口配管



入口配管



- r1=0.316R
- r2=0.548R
- r3=0.707R
- r4=0.837R
- r5=0.949R

$$pd = \frac{pd① + pd② + \dots + pd⑩}{20}$$

$$V = \sqrt{2g \frac{Pd}{r}} \dots \dots \dots (1)$$

$$r = 1.2 \text{ kg/m}^3 \quad g = 9.8 \text{ m/sec}^2$$

$$Q = A \cdot V \cdot 60 \dots \dots \dots (2)$$

標準狀態溫度為20°C 絕對壓力760mmHg，相對溼度65%如風量，靜壓，軸動力於特定溫度，壓力狀態下換算公式如下：

$$Q_1 = Q_2 \cdot \frac{P_2}{P_1} \cdot \frac{T_1}{T_2} \dots \dots \dots (3)$$

$$P_1 = P_2 \cdot \frac{T_2}{T_1} \dots \dots \dots (4)$$

$$L_1 = L_2 \cdot \frac{T_2}{T_1} \dots \dots \dots (5)$$

風量計算公式

$$Q = 60 \cdot A \cdot V$$

$$V = \sqrt{2g \frac{Pd}{r}}$$

$$A = \pi d^2 / 4$$

送風機相似定律

$$\frac{Q_2}{Q_1} = \left(\frac{N_2}{N_1}\right) \times \left(\frac{D_2}{D_1}\right)^3$$

$$\frac{PS_2}{PS_1} = \left(\frac{N_2}{N_1}\right)^2 \times \left(\frac{D_2}{D_1}\right)^2 \times \left(\frac{r_2}{r_1}\right)$$

$$\frac{HP_2}{HP_1} = \left(\frac{N_2}{N_1}\right)^3 \times \left(\frac{D_2}{D_1}\right)^5 \times \left(\frac{r_2}{r_1}\right)$$

Q=風量(m³/min)

A=管路面積(m²)

V=風速(m/sec)

g=重力加速度(m/sec²)

r=氣體比重量(kg/m³)

d=管路直徑(m)

Pd=動壓(mmAq)

Ps=靜壓(mmAq)

N: 轉速(RPM)

O: 代表尺寸(mm)

T: 絕對溫度

L: 軸動力

如蒙惠顧，請將下列諸項告訴我們，至為感謝！

We welcome all enquires and your provision of the following relevant particulars on specifications will facilitate our response.

一. 型式：型別及出口方向。

Model : Type and Discharge direction.

二. 用途：使用場所、使用狀況 連續使用或管制使用。

Set Up : Locations and directions of applications, i.e. continuous or regulate control supplies.

三. 輸送性質：重量、種類、比重、成分。

Transferences: Weight, kind, composition, specific gravity to air.

四. 溫度：吸入溫度及其變化(正常狀態20°C)。

Temperature: Inlet temperature and its variations (ambient temperature 20°C)

五. 壓力：絕對壓力差及溫度之關係(靜壓mmAq)。

Pressure: Absolute pressure difference in relation to the temperature. (Static pressure: mmAq)

六. 風量：容量及與溫度之關係(風量m³/min或CFM)。

Quantum : Volume in relation to temperature. (m³/min or CFM)。

七. 原動機：馬力、極數、週波式、電壓。

Motor : HP poles, cycles, volts and phases.

八. 其它：如可能繪出裝置場之大概圖。

Others : Furnishing of plans or technical drawings indicating locations and directions of the fans or blowers, will enable us to repond and meet your requirements promptly and correctly.



LONG FONG

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