

HBS



HORUS AIR MOVING
和旭風機



HBS



SINGLE INLET CENTRIFUGAL FAN
WITH BACKWARD CURVED IMPELLER
單吸口後傾式離心通風機



產品型式 TYPE OF PRODUCT

• 旋向

此風機旋向可分為左旋和右旋二種方式，以馬達一端正視，葉輪順時針旋轉的稱為右旋風機，逆時針旋轉的稱為左旋風機。皮帶輪可左右調向，因此不受左右方向的限制。

• Direction of Rotation

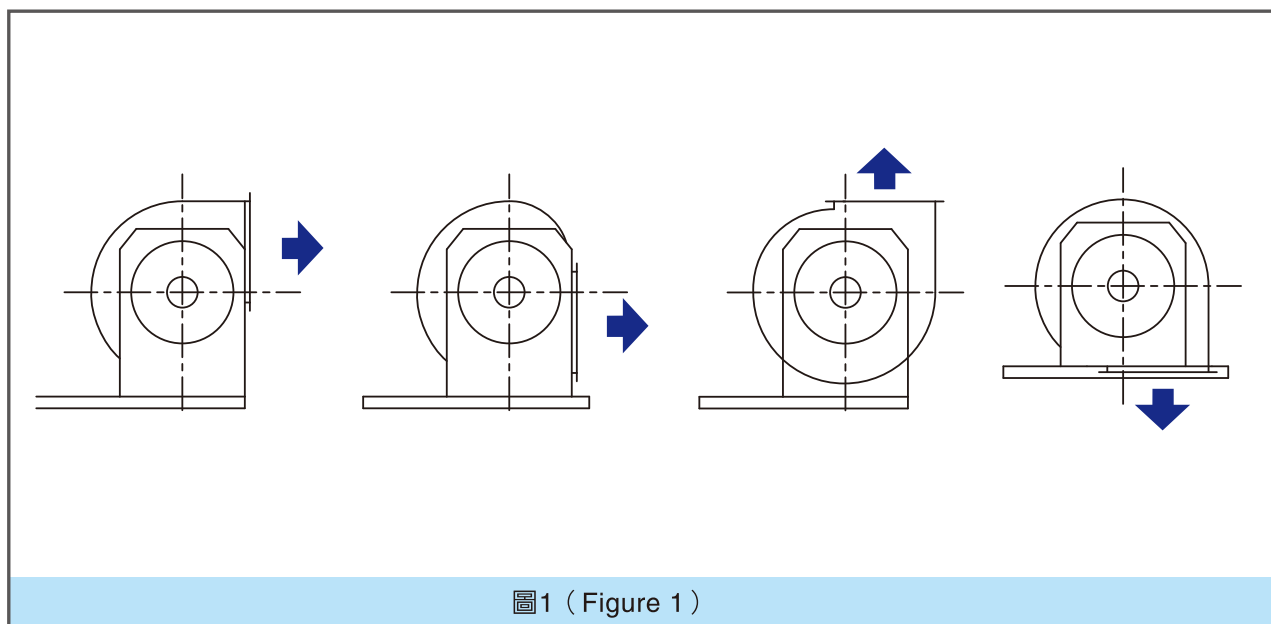
The ventilators can be applied with two directions of rotation, left hand and right hand. If the impeller rotates in a counterclockwise direction when viewed from the drive motor side, it is designated as a left hand ventilator. If it rotates clockwise when viewed from the drive pulley can be mounted on either side of the ventilator, so there is no significant limitation on the ventilator directionality.

• 出風口方向

風機可如圖1所示，製成四種出風方向。

• Direction of Air Outlet

As shown in Figure 1, the ventilators can be arranged to provide four different air outlet directions.



產品結構 PRODUCT CONSTRUCTION

- **機殼**

機殼採用鋼板烤漆製造，具有符合空氣動力的外形，蝸殼板採用焊接或「匹茲堡溝」咬口的方式與側板連接成一體。

- **葉輪**

葉輪採用優質鋼板烤漆製成，葉片設計符合空氣動力的特定形狀，使得效率最高、噪音最低。葉片用焊接固定在中盤板及葉輪蓋板上，在最大功率連續運轉時，葉輪具有足夠的剛度。葉輪按ISO1940-1動平衡精度G2.5等全檢合格。

- **框架**

框架由角鋼和扁鋼焊接製成，表面噴漆，以保證框架具有足夠的剛度和強度。

- **軸承**

此風機採用優質滾珠軸承，該軸承預先加潤滑油並有自動放正功能。

- **軸**

風機軸採用S45C棒鋼粗加工、熱處理及研磨加工製成，嚴格控制軸徑尺寸公差及配合公差，每根軸均經過塗覆防鏽處理。

- **出風口法蘭（選配）**

法蘭採用優質鋼材製成，法蘭及法蘭與殼體的連接採用鉚釘或螺絲固定，外觀精美，並具有足夠的剛度和強度。

- **Scroll**

The scroll is basic made of painted steel sheet and it is designed to provide an aerodynamically efficient flow path. The inlet is formed in one piece. The scroll plate is connected to the side plate by using welding or "Pittsburgh lock" type of system.

- **Impeller**

The impeller is made of high grade painted steel sheet and it is configured to provide a highly efficient and low noise aerodynamic flow path. The blade is fixed to the central disk plate and shroud by welding. The impeller strength is sufficient for it to operate continuously at maximum power. The impellers of models are balanced before assembly in accordance with ISO1940-1, G2.5 requirement.

- **Frame**

The frames use sections of steel to assure sufficient frame rigidity and they are finished with painting.

- **Bearings**

For the ventilators, self-aligning pillow block ball bearings are used and these bearings are supplied with lubrication fittings.

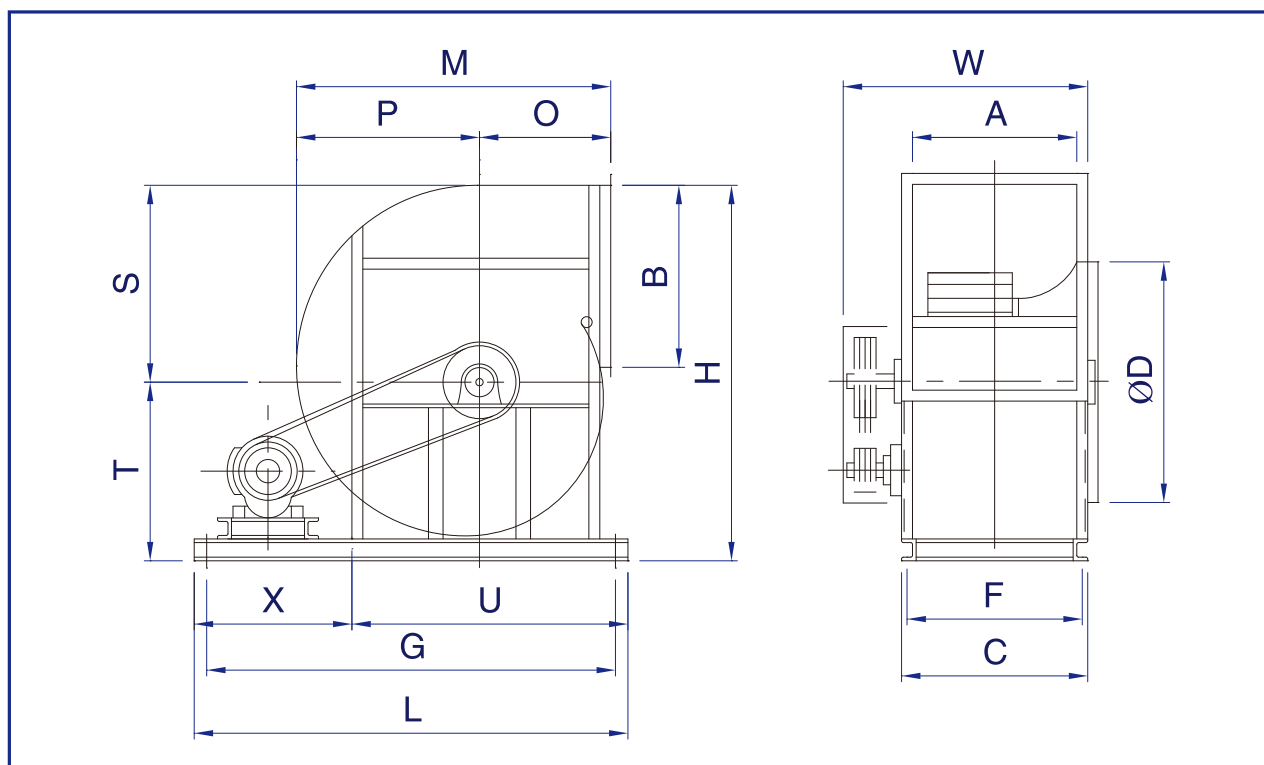
- **Shaft**

The shafts are made of S45C carbon steel bars. The shafts are rough machined and then stress relieved before final machining. The shaft diameters are machined to very accurate tolerance levels and they are fully checked to assure precision fits. They are coated after assembly in order to provide corrosion resistance.

- **Outlet Flange (Optional)**

The outlet flange is made of high grade steel products. The connections of the flange components to each other and to the scroll are made using rivet or screw. This maintains a good flange appearance while also providing sufficient strength and rigidity.

外型尺寸 DIMENSIONS



尺寸表 (單位 : mm)

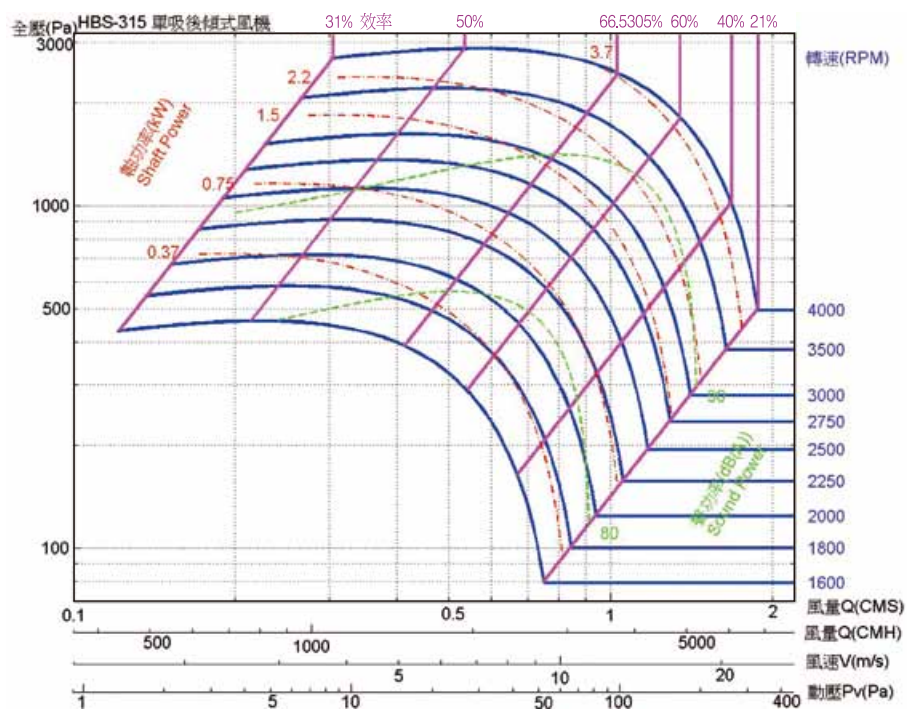
型 號	外型尺寸(最大)			入、出風口尺寸			底座尺寸		安裝孔位		其它尺寸								底 座
	W寬	H高	L長	ØD	A寬	B高	C寬	L長	F寬	G長	M	O	P	S	T	U	X		
HBS-315	440	595	900	340	240	340	300	900	260	850	530	280	250	285	310	500	400	C型鋼	
HBS-400	520	690	975	400	320	400	380	975	340	925	606	306	300	355	335	575	400	C型鋼	
HBS-450	555	835	1130	480	350	480	410	1130	370	1080	761	351	410	455	380	730	400	C型鋼	
HBS-560	600	955	1270	580	380	580	440	1270	400	1220	901	411	450	515	440	870	400	C型鋼	
HBS-630	680	1115	1320	640	450	640	530	1320	490	1120	972	450	522	605	510	820	500	75x40槽鐵	
HBS-710	735	1245	1420	740	500	740	580	1420	540	1220	1066	480	586	650	595	920	500	75x40槽鐵	
HBS-800	785	1390	1570	800	550	800	650	1570	600	1370	1140	520	620	750	640	970	600	100x50槽鐵	
HBS-900	910	1575	1680	900	650	900	750	1680	700	1480	1343	600	743	850	725	1080	600	100x50槽鐵	
HBS-1000	1020	1720	1820	1000	750	1000	850	1820	800	1620	1430	660	770	910	810	1220	600	100x50槽鐵	
HBS-1120	1090	2027	2020	1120	850	1120	980	2020	915	1820	1664	740	924	1117	910	1370	650	125x65槽鐵	
HBS-1250	1300	2230	2190	1250	950	1250	1100	2190	1025	1990	1860	860	1000	1150	1080	1490	700	150x75槽鐵	
HBS-1400	1405	2542	2420	1400	1060	1400	1210	2420	1135	2220	2152	990	1162	1382	1160	1670	750	150x75槽鐵	
HBS-1600	1525	2882	2670	1600	1180	1600	1330	2670	1255	2470	2454	1130	1324	1422	1460	1870	800	150x75槽鐵	
HBS-1800	1675	3205	2920	1800	1320	1800	1470	2920	1395	2720	2747	1260	1487	1765	1440	2070	850	150x75槽鐵	
HBS-2000	2105	3545	3170	2000	1500	2000	1650	3170	1575	2970	3045	1390	1655	1965	1580	2270	900	150x75槽鐵	

性能曲線 CHARACTERISTIC CURVES

型號
HBS-315

葉輪直徑
D = 315 mm

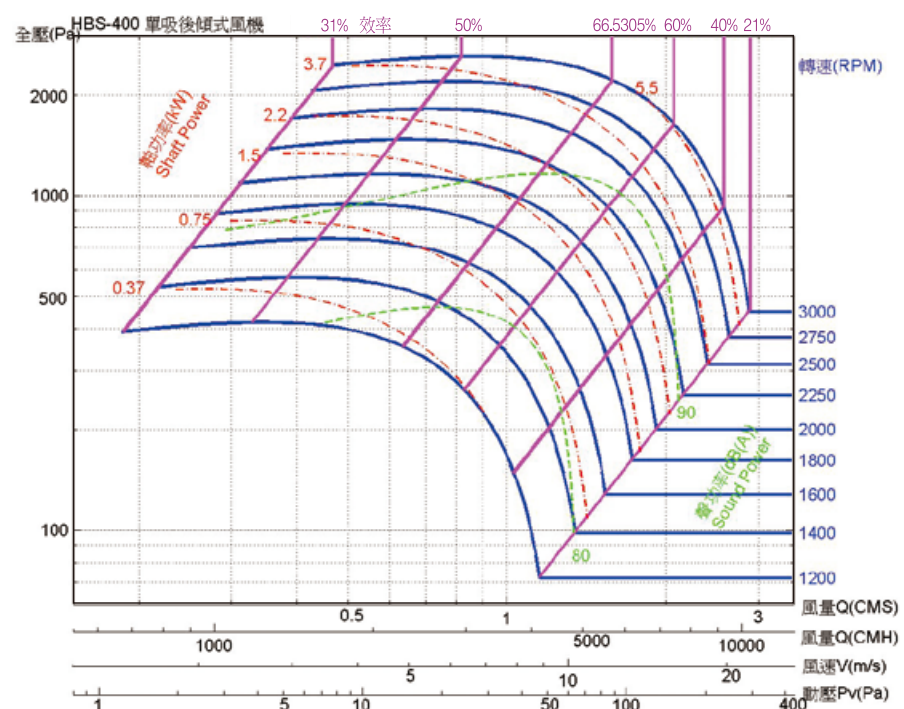
氣體密度
1.2 kg/m³



型號
HBS-400

葉輪直徑
D = 400 mm

氣體密度
1.2 kg/m³

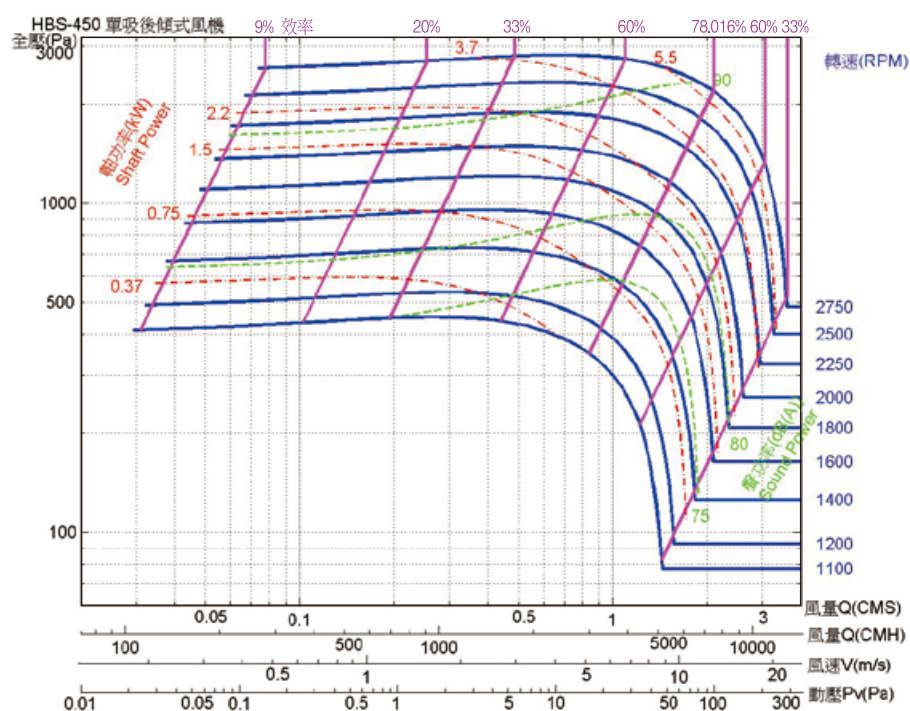


性能曲線 CHARACTERISTIC CURVES

型號 HBS-450

葉輪直徑
D = 450 mm

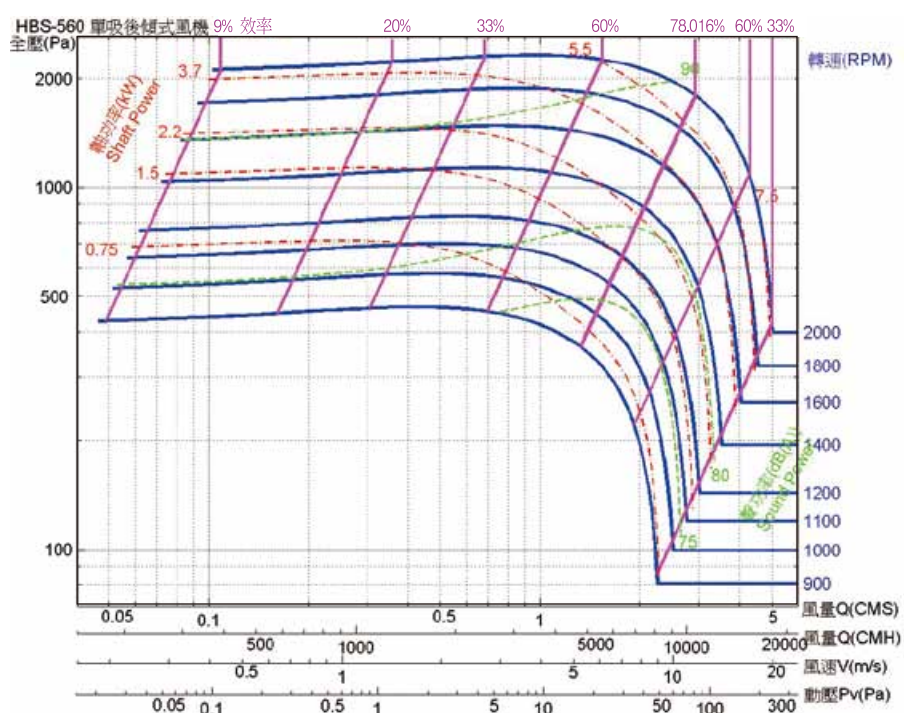
氣體密度
1.2 kg/m³



型號 HBS-560

葉輪直徑
D = 560 mm

氣體密度
1.2 kg/m³

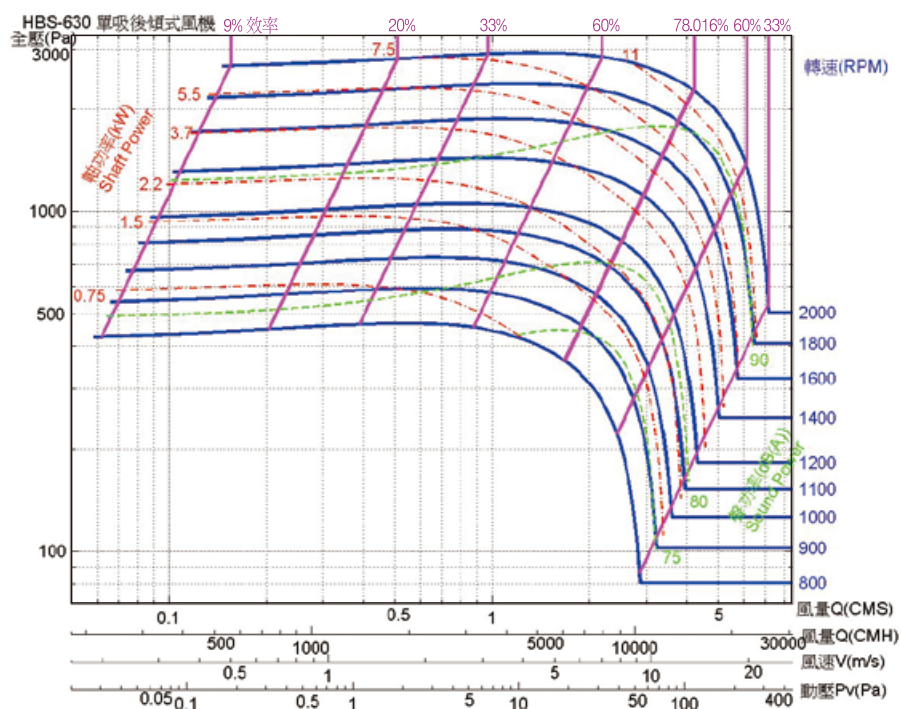


性能曲線 CHARACTERISTIC CURVES

型號
HBS-630

葉輪直徑
D = 630 mm

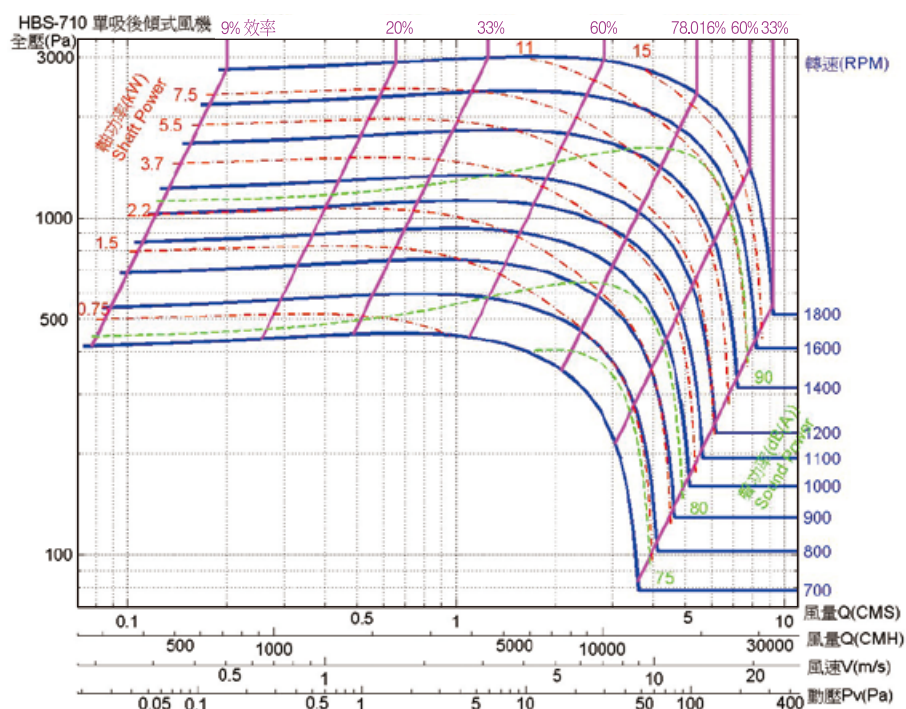
氣體密度
1.2 kg/m³



型號
HBS-710

葉輪直徑
D = 710 mm

氣體密度
1.2 kg/m³

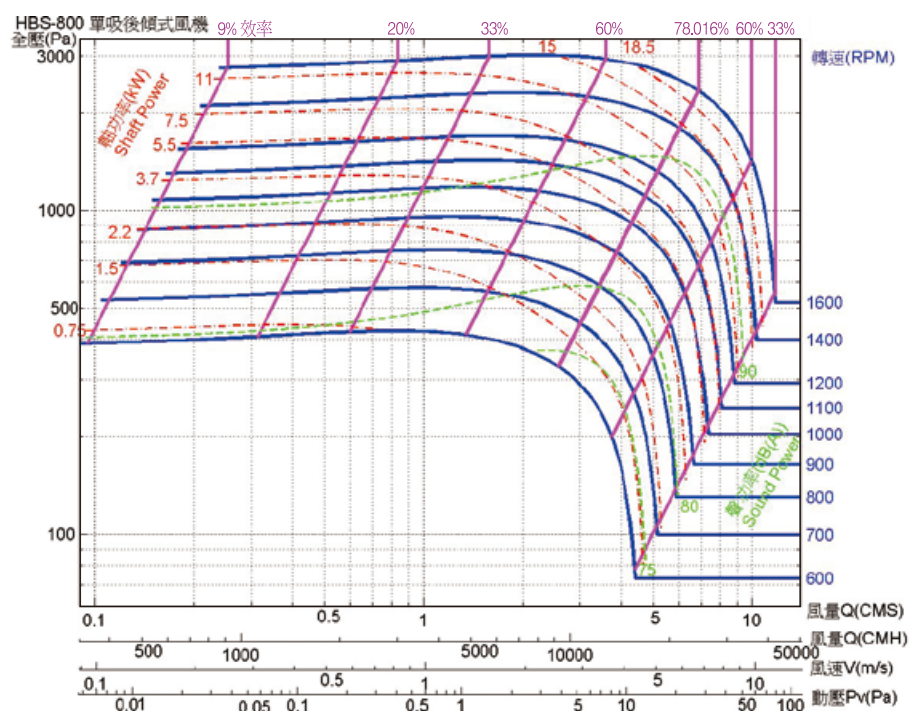


性能曲線 CHARACTERISTIC CURVES

型號
HBS-800

葉輪直徑
D = 800 mm

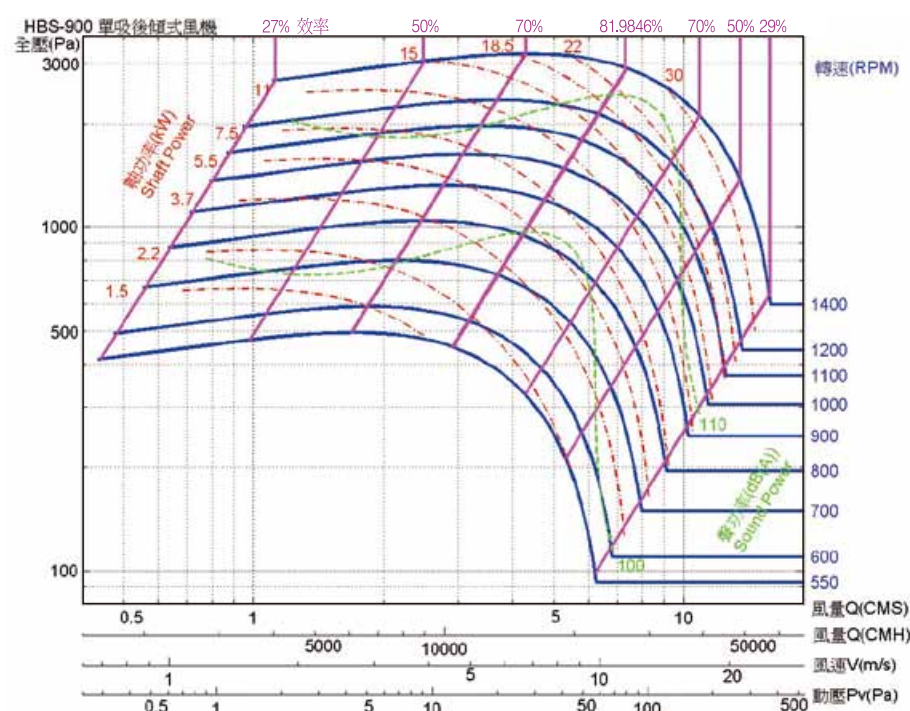
氣體密度
1.2 kg/m³



型號
HBS-900

葉輪直徑
D = 900 mm

氣體密度
1.2 kg/m³

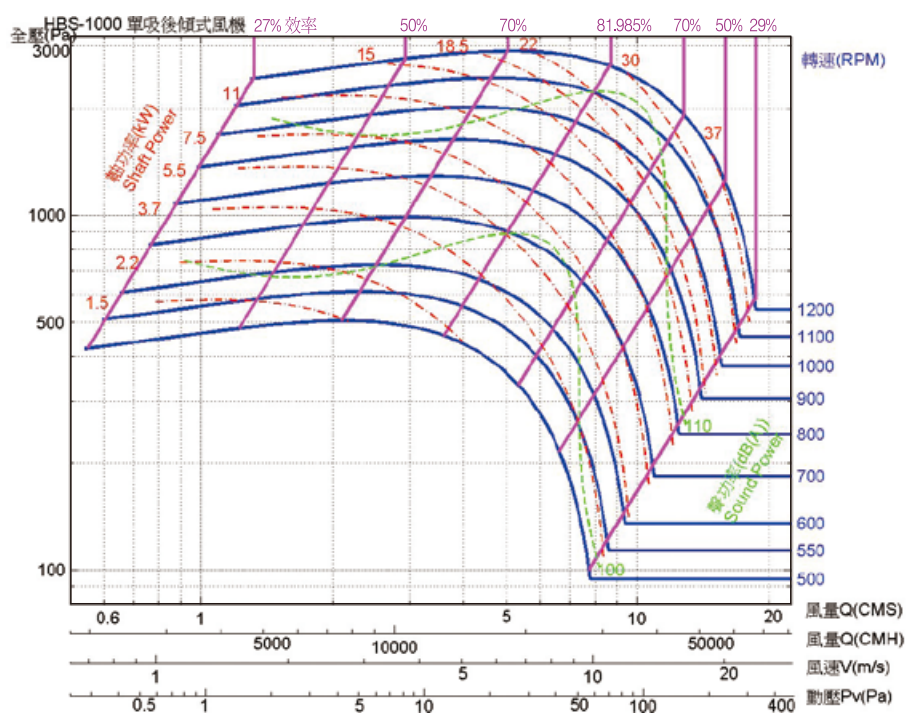


性能曲線 CHARACTERISTIC CURVES

型號 HBS-1000

葉輪直徑
D = 1000 mm

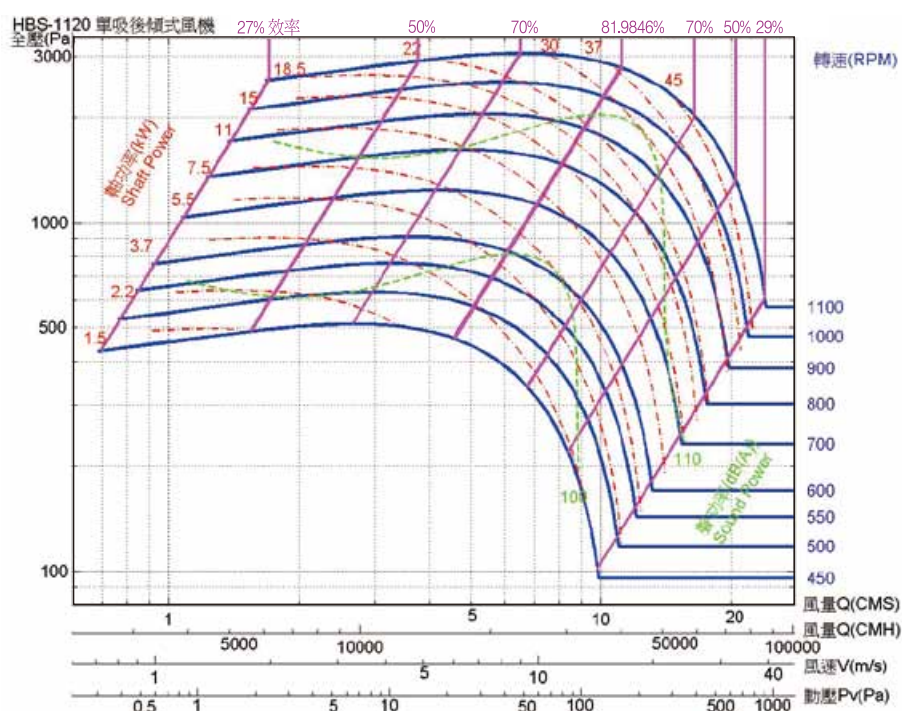
氣體密度
1.2 kg/m³



型號 HBS-1120

葉輪直徑
D = 1120 mm

氣體密度
1.2 kg/m³

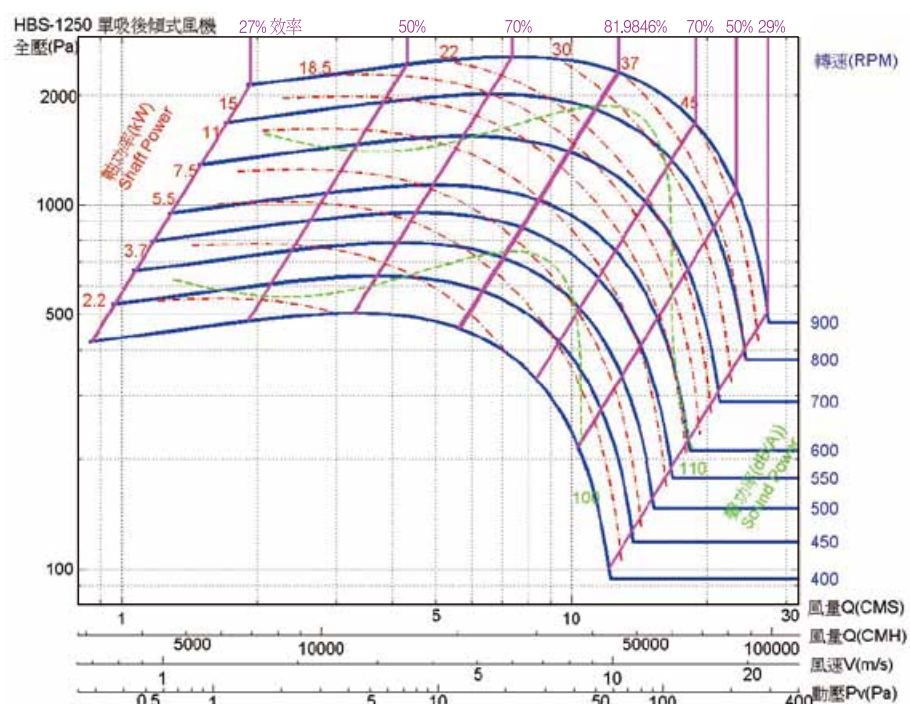


性能曲線 CHARACTERISTIC CURVES

型號 HBS-1250

葉輪直徑
D = 1250 mm

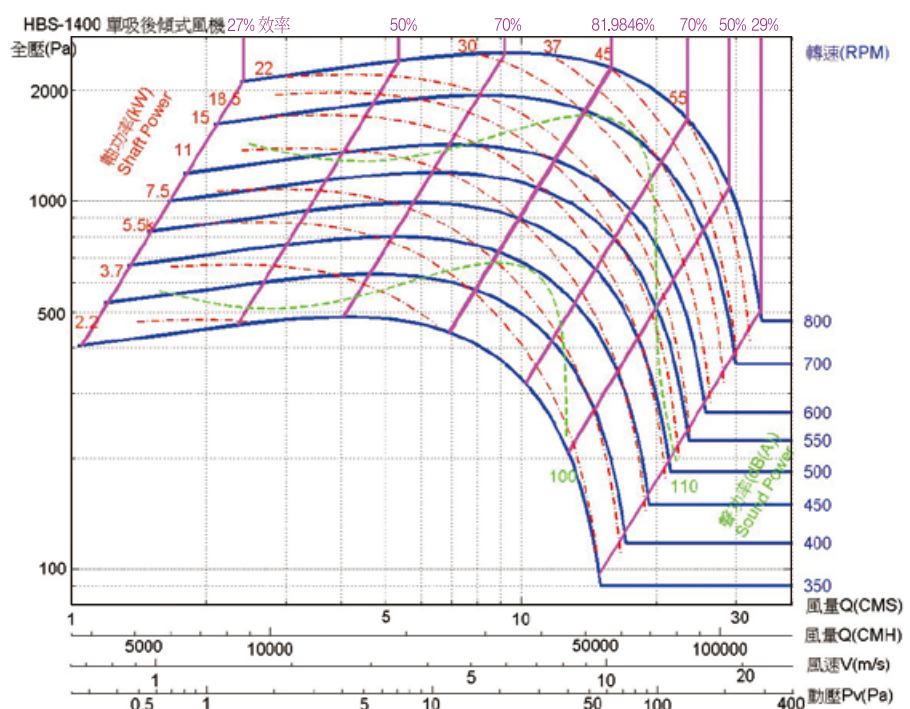
氣體密度
1.2 kg/m³



型號 HBS-1400

葉輪直徑
D = 1400 mm

氣體密度
1.2 kg/m³

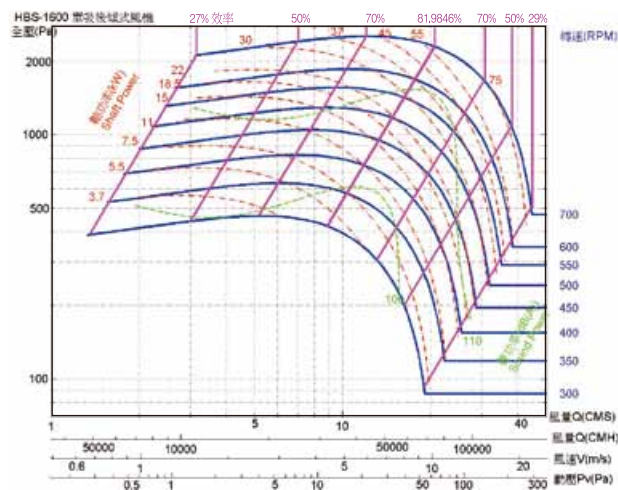


性能曲線 CHARACTERISTIC CURVES

型 號
HBS-1600

葉輪直徑
D = 1600 mm

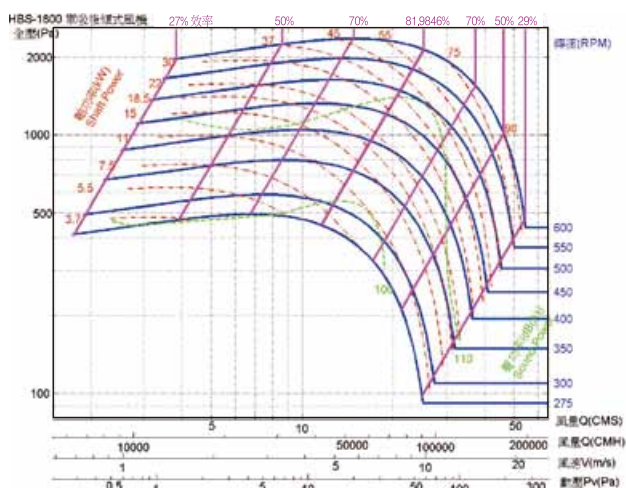
氣體密度
1.2 kg/m³



型 號
HBS-1800

葉輪直徑
D = 1800 mm

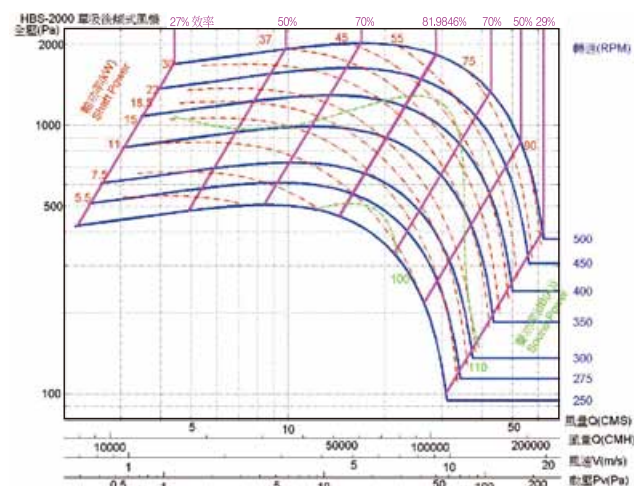
氣體密度
1.2 kg/m³



型 號
HBS-2000

葉輪直徑
D = 2000 mm

氣體密度
1.2 kg/m³





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