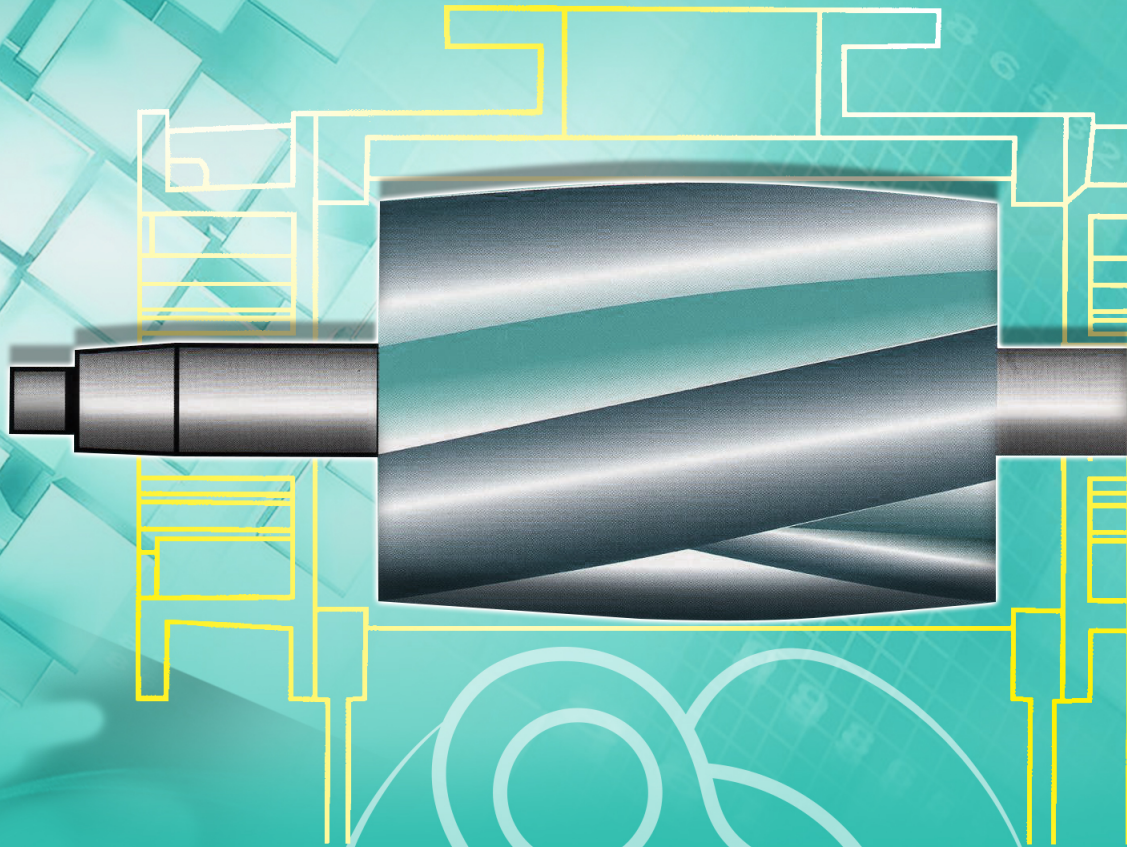


LONGTECH

三葉螺旋魯氏鼓風機

LONGTECH ROOTS BLOWER

ROOTS TYPE BLOWER & VACUUM PUMP CATALOD



高豐機械有限公司
魯氏鼓風機專業製造廠

高品質 / 低噪音三葉螺旋魯氏鼓風機

THREE LOBES REDUCE VIBRATION AND NOISE!

特 長

- ◆ 風量、壓力、真空度範圍廣。
 1. 口 徑 : 50A~250A(2"~10")
 2. 風 量 : 1~79.7m3/min
 3. 壓 力 : 0~8000 mmAq
 4. 真空度 : -5000 mmAq
- ◆ 風量穩定、壓力變化小。
- ◆ 排出氣體潔淨、不含油污。
- ◆ 構造堅實簡單、保養維護容易。
- ◆ 軸承為機油潤滑、散熱佳、壽命長。

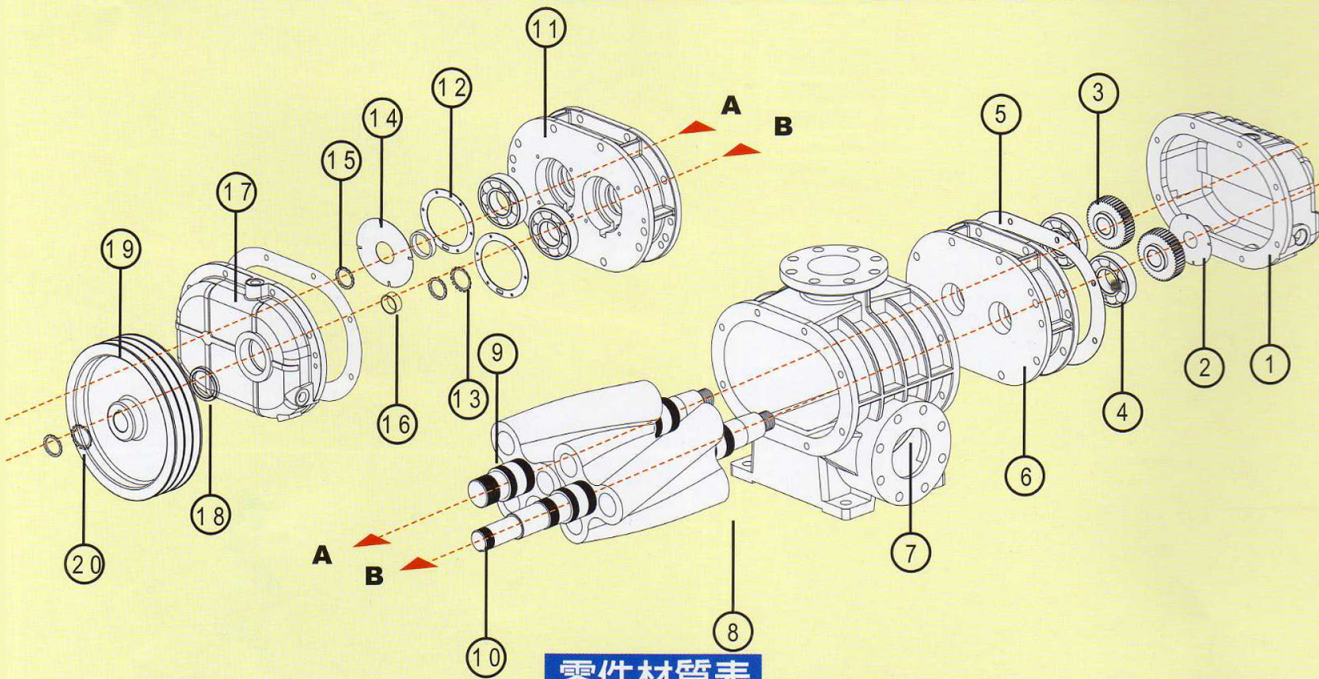
FEATURE

- ◆ Wide range for air volume、pressure and vacuum.
 1. Bore : 50A~250A(2"~10")
 2. Capacity : 1~79.7m3/min
 3. Pressure : 0~8000 mmAq
- ◆ Stable air flow and less pressure variation .
- ◆ Clean air not with oil moist .
- ◆ Construction simple and easy maintenance .
- ◆ Bearings are all lubricated by oil moist .

- 較低的能源損耗
三葉式的設計能減少逆流對轉子的壓力，相對地也減少能源的損耗。
- LOWER ENERGY CONSUMPTION
Three lobes' design control backflow pressure to rotor so reduce energy consumption.
- 較低的噪音
壓力脈衝是主要的噪音源，三葉式鼓風機能有效地降低噪音達5dB。
- LOWER NOISE
Pressure pluses are the major noise source of blower. Three lobes' design can efficiently reduce noise by approximately 5dB.
- 軸承壽命延長
由於葉輪傳遞的振動減少，得以延長軸承壽命達20%。
- LONGER BEARING LIFE
Less vibration transmitted through the lobe results approximately 20% longer bearing life.

傳統魯氏鼓風機壓力震幅大，造成震動及噪音縮短軸承、齒輪及其他傳動元件的壽命。
Conventional blowers result pressure pluses and vibration rob power and shorten the life of every bearing, gear and other drive train components

細部零件分解圖



零件材質表

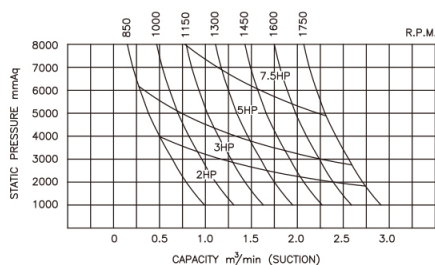
NO	NAME		MATREIAL	NO	NAME		MATREIAL
1.	Gear case	齒輪箱	FC250	11.	Side cover	前側蓋	FC250
2.	Oil splash	甩油片	SS41	12.	Fixed cover	固定蓋	SS41
3.	Spur gear	正齒輪	SCM415/SNCM21	13.	Washer	軸用墊圈	S45C
4.	Bearing	軸 承	SUJ2	14.	Oil splash	前甩油片	SS41
5.	Packing	油箱迫緊	FIBRE	15.	Nut	螺 帽	SS41
6.	Side cover	後側蓋	FC250	16.	Sleeve	軸 套	SUJ2
7.	Main casing	主 體	FC250	17.	Oil case	前油箱	FC250
8.	Rotor	轉子/葉輪	FCD500	18.	Oil Seal	油 封	NBR
9.	Labyrinth seal	軸 封					

性能曲線表

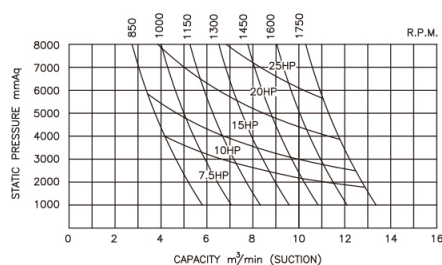
PERFORMANCE CURVE

RTS型性能曲線表 PRESSURE PERFORMANCE CURVE

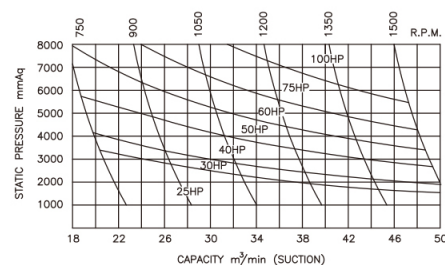
RTS-050



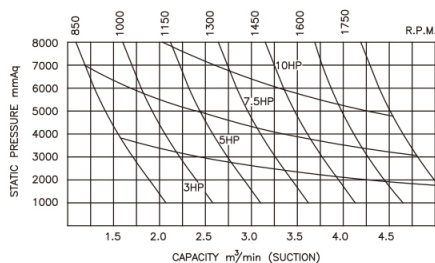
RTS-100



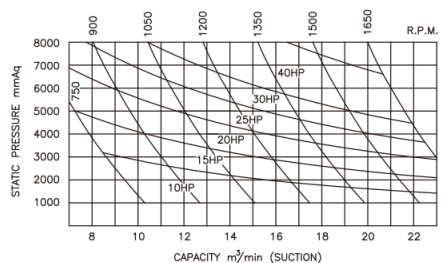
RTS-200



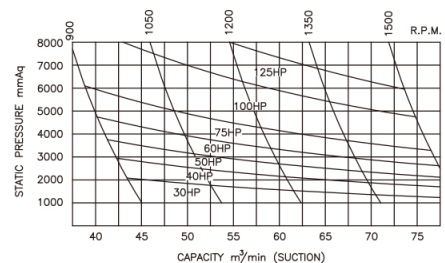
RTS-065



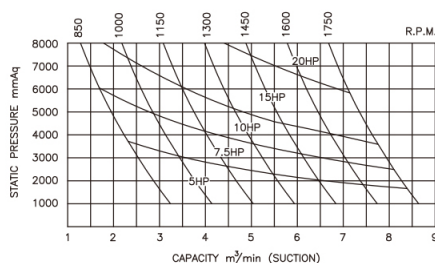
RTS-125



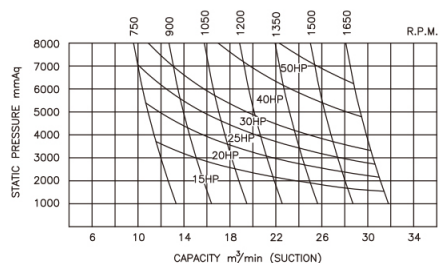
RTS-250



RTS-080

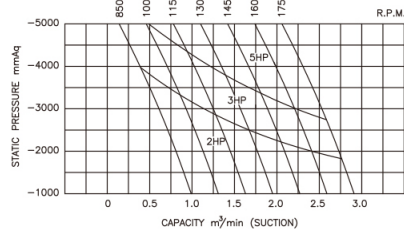


RTS-150

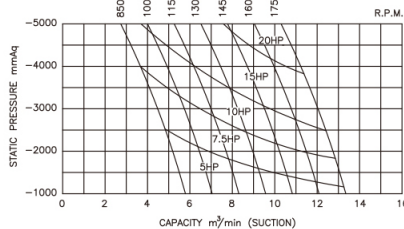


RTS-V型性能曲線表 VACUUM PERFORMANCE CURVE

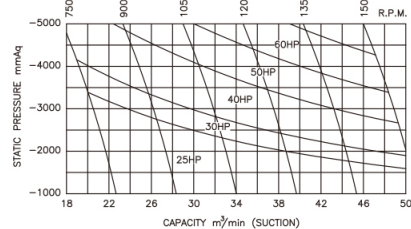
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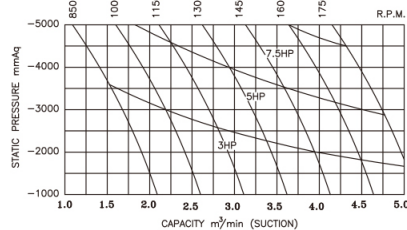
RTS-100V



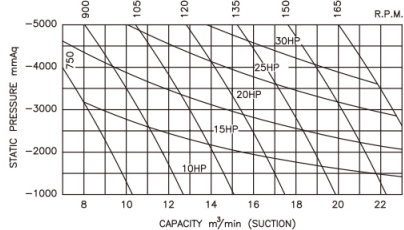
RTS-200V



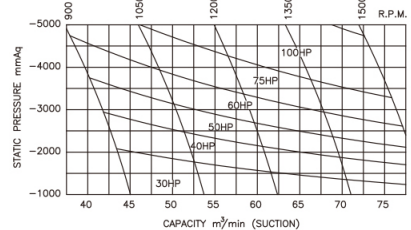
RTS-065V



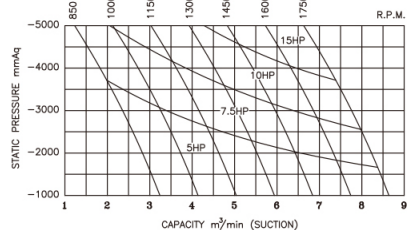
RTS-125V



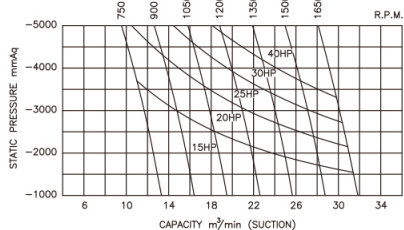
RTS-250V



RTS-080V



RTS-150V





高品質 / 低噪音三葉螺旋魯氏鼓風機 THREE LOBES REDUCE VIBRATION AND NOISE!

單位換算 UNIT CONVERSION

壓力 PRESSURE

	mbar	Pa	atm	lbf/in ²	kgf/cm ²	in-Hg	mmAq
1 mbar	1	10 ²	9.869x10 ⁻⁴	1.45x10 ⁻²	1.02x10 ⁻³	2.953x10 ⁻²	10.197
1 Pa	0.01	1	9.869x10 ⁻⁶	1.45x10 ⁻⁴	1.02x10 ⁻⁵	2.953x10 ⁻⁴	0.102
1 atm	1.013x10 ³	1.013x10 ⁵	1	14.7	1.033	29.92	1.033x10 ⁴
1 lbf/in ²	68.95	6.895x10 ²	6.805x10 ⁻²	1	7.03x10 ⁻²	2.036	7.03x10 ²
1 kgf/cm ²	9.807x10 ²	9.807x10 ⁴	0.968	14.22	1	28.96	10 ⁴
1 in-Hg	33.86	3.386x10 ³	3.342x10 ⁻²	0.491	3.45x10 ⁻²	1	3.45x10 ²
1 mmAq	9.807x10 ⁻²	9.807	9.677x10 ⁻⁵	1.42x10 ⁻³	10 ⁻⁴	2.896x10 ⁻³	1

風量 CAPACITY

	m ³ /min	m ³ /hr	l/min	ft ³ /min
1 m ³ /min	1	60	1000	35.31
1 m ³ /hr	0.017	1	16.67	0.589
1 l/min	0.001	0.06	1	0.035
1 ft ³ /min	0.028	1.699	28.32	1

功率 POWER

	kg-m/sec	Kw	HP	PS
1 kg-m/sec	1	0.01	0.013	0.013
1 Kw	101.97	1	1.341	1.360
1 HP	76.038	0.746	1	1.014
1 PS	75	0.736	0.986	1

應用例 APPLICATIONS

