



RCL Series



POWER VENTILATOR
45GD

超越巔峰 頂極卓越



FLOWTECH
賜鼎實業股份有限公司

ROOF CENTRIFUGAL FAN - For Louver Type

with Backward Inclined Wheels



Flowtech Co., Ltd. certifies that the Model RCL-B and RCL-D shown herein (pages 9-31) are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

陽鼎實業股份有限公司特此證明此處所示RCL-B和RCL-D系列目錄中，第9-31頁獲得了加蓋AMCA印章的授權。所示額定值系根據AMCA出版物211和AMCA出版物311所進行測試和程序確定，並符合AMCA認證額定值計劃的要求。



POWER VENTILATOR
45GD

RCL Series are listed
for electrical (UL/cUL
705) File no. E323432

RCL全系列通過UL/
cUL 705產品認證。檔案
號碼E323432



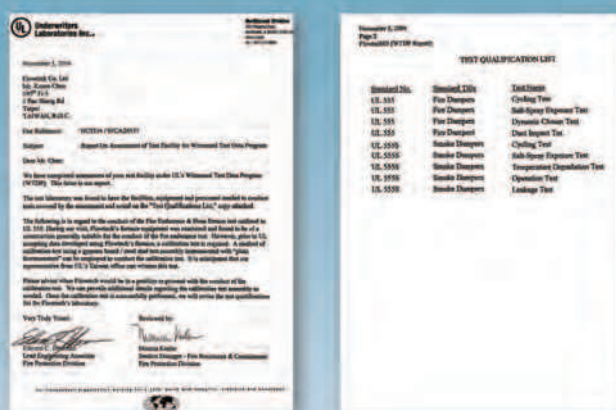
世·界·級·的·認·證

GLOBALLY RECOGNIZED CERTIFICATIONS AND STANDARDS

通風設備性能與耐溫測試實驗室

Ventilation Performance and Smoke Management Laboratory

舉凡通風設備產品如風機、風門所需之性能及品質要求，皆可由本實驗室提供一系列完整的測試服務。並在財團法人全國認證TAF基金會的品質及技術要求監督下，獨立並公正執行每項測試。因此，國內公共工程及消防安全之相關通風設備產品，不必再千里迢迢將產品送到國外測試，也不需業主及顧問公司人員舟車勞頓至國外見證，節省更多的時間費用。



亞洲唯一UL認證實驗室



實驗室TAF證書



常溫風機性能測試設備 Fan Performance Testing Facility

測試標準(Standards)

- AMCA 210
- ISO 5801
- CNS 7778
- BS 848-1
- DIN 24163-2

風門、百葉壓損測試設備 Louver Pressure Drop Testing Facility

測試標準(Standards)

- AMCA 500

隧道通風機振動/推力測試設備 Jet Fan Thrust Testing Facility

測試標準(Standards)

- ISO 13350
- BS 848-10

排煙閘門洩漏測試設備 Smoke Damper Leakage Testing Facility

測試標準(Standards)

- AMCA 500
- UL 555S
- ISO 10294
- GB 15930

消音箱/消音百葉測試設備 Silencer / Acoustical Louver Testing Facility

測試標準(Standards)

- ASTM-E477
- ISO 7235

防火風門測試設備 Fire Damper Testing Facility

測試標準(Standards)

- UL 555

測試標準

- | | | | |
|-------------|---------------|---------------|---------------|
| ● AMCA 210 | ● ASHRAE 149 | ● BS 848-10 | ● ISO 7235 |
| ● AMCA 300 | ● DIN 24163-2 | ● GA 211 | ● ISO 10294 |
| ● AMCA 500 | ● BS 7346-2 | ● GB 15930 | ● ISO 13350 |
| ● AS 4429 | ● BS 848-1 | ● EN 12101-3 | ● UL 555 |
| ● ASTM-E477 | ● BS 848-2 | ● ISO 5801 | ● UL 555S |
| ● CNS 7778 | ● CNS7779-2 | ● ISO 13347-2 | ● ISO 21927-3 |



全響室迴風道出口
Exhaust Duct exit of Reverberant



流量噴嘴
Multiple Nozzles for Flow Measurement



全響室迴風道裝置
Silencer in Exhaust Duct



全響室
Reverberant Room
360°旋轉噪音器
360°Routing Microphone in Reverberant



整流裝置
Flow Straightener



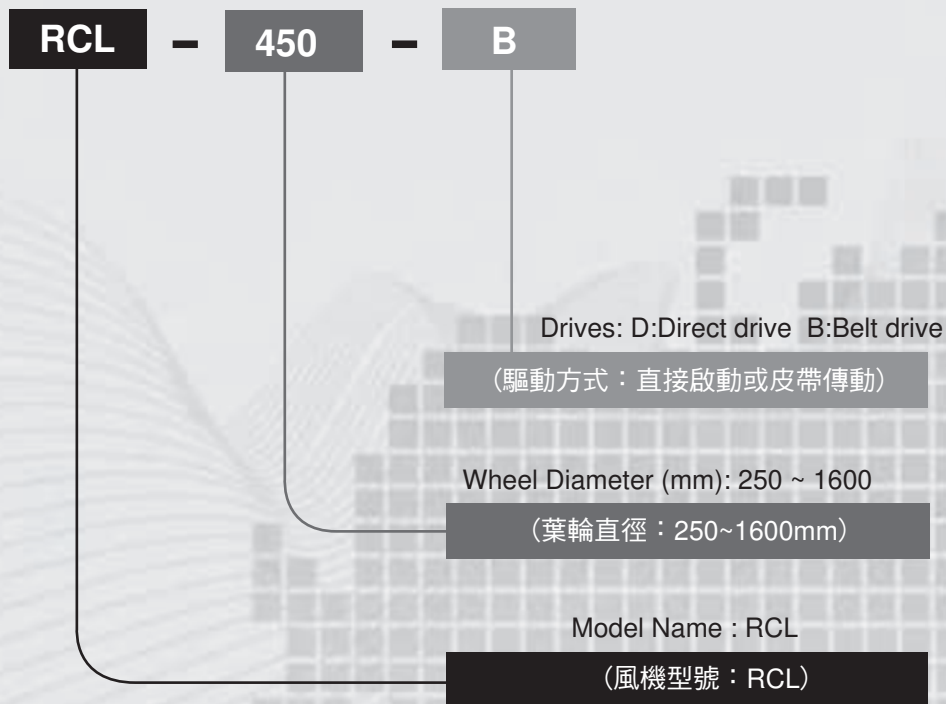


RCL Series

Roof Centrifugal Fan-For Louver Type

Designation ,Formula signs

風機型號、定義



RCL Series

Roof centrifugal fan for type B and D

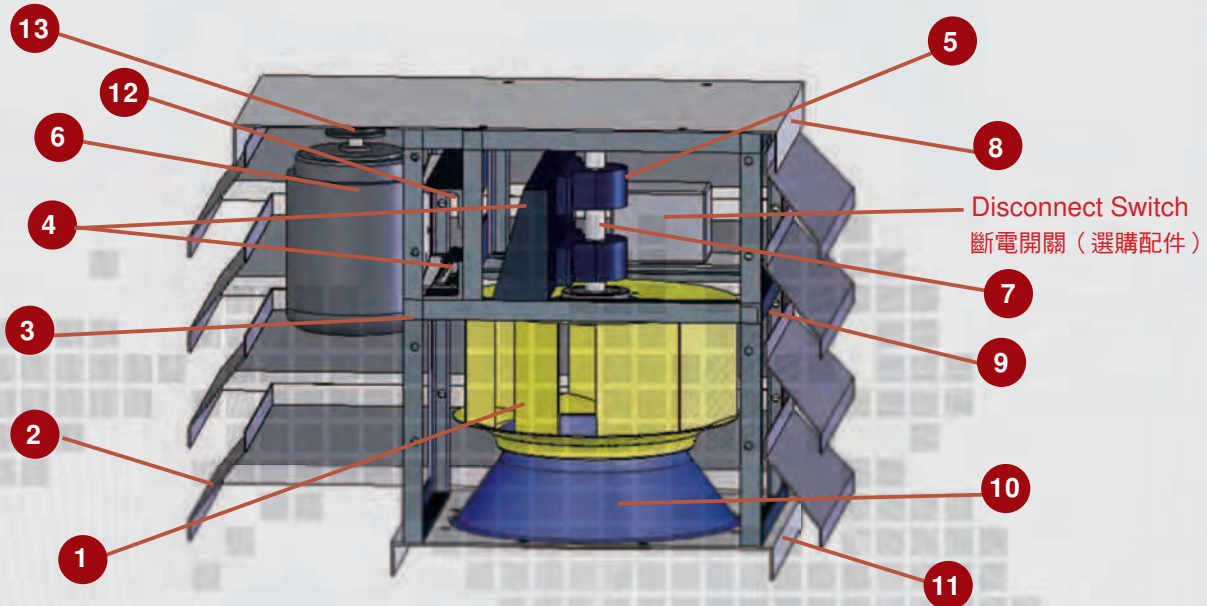


Type B and D centrifugal roof exhaust fans provide the industry's best performance and durability for general clean air applications.

不論是皮帶(B)或直接(D)驅動的屋頂離心風機皆可以滿足性能需求且在乾淨的空氣下使用更能延長其風機使用壽命。

TECHNICAL SPECIFICATION

風機規格



- ① **Wheels** are non overloading, backward inclined centrifugal type. Wheel cones are carefully matched to the venture for maximum efficiency. Each wheel are statically and dynamically balanced to ISO 1940 and AMCA 204-G2.5 standards. Centrifugal Wheel is made of mild steel 、stainless steel 、aluminum alloy or others, and could be anodized film and painted.
葉輪不會過載設計，葉片為後傾式。每個葉輪都需要經過ISO1940或AMCA 204-G2.5標準的動態及靜態平衡校正。葉輪的材質可用一般鋼材、不銹鋼、鋁合金或其他材質製作，並施以陽極或烤漆處理。
- ② The **fan louver** is constructed of heavy gauge aluminum alloy, stainless steel or others. The louver also could be anodized film and painted to prevent corrosion.
風機百葉材質為不銹鋼、鋁擠型(或折彎加工式)鋁合金或其他材質製成。所有風機百葉皆施以陽極或烤漆處理可防止腐蝕。
- ③ **Fan supporting**, Used to join fan louver and base.
風機支撐架(風機框架)是用以連接風機底座及風機百葉，並支撐風機本體。
- ④ The **drive frame, bearing plate and motor plate** are constructed of steel Belt adjustment is accomplished by loosening fasteners, sliding the motor plate to the desired position(on a self aligning rail), and retightening fasteners.
馬達及培林座支撐架可支撐馬達及固定培林座，調整皮帶鬆緊。
- ⑤ **Bearings** basic rating level according to AFBMA. Designed for minimum L10 life in excess 45,000 hours , L50 life in excess 225,000 hours. Bearing are selected for continuous operation and ample size for best possible operating results.
軸承等級符合AFBMA(抗磨軸承生產協會)；軸承壽命可達L10=45,000小時、L50=225,000小時。軸承的功用是針對需要持續不斷運轉的機構所使用，使其達到最好的效率。



TECHNICAL SPECIFICATION

風機規格

- 6 **Motor** - Carefully matched to the fan load and is mounted out of air stream. Less transferring inertia, more accelerating torque, that can improve working efficiency for starting, stopping with frequent machine. Adopt IEC (International Electrotechnical Commission) and NEMA (National Electrical Manufacturers Association) standard size. Adopt heat-resistant, water tolerance, E/B/F grade insulating material able to bear chemistry, the safe durable life-span is the longest.
馬達配合風機選用，其轉部慣性小、加速轉矩大，對於起動、停止頻繁之機器可提高其工作效率且馬達設計採IEC及NEMA制定之國際標準尺寸，具國際互換性，並採用耐熱、耐濕、耐化學之E/B/F 級絕緣材料，安全耐用壽命最長。
- 7 **Fan Shaft** - Is precisely sized, ground, and polished so the first critical speed is at least 25% over the maximum operating speed. Where the shaft makes contact with bearings, close tolerances result in longer bearing life. Shafts are manufactured from ISO C45(JIS S45C ; AISI C1045) carbon steel then coated with an anti-corrosion varnish after assembly.
軸心長短依風機型號大小裁切，且能承受指定轉速的125%而不斷裂。軸心經車削研磨而成能緊密與軸承結合，延長軸承壽命。軸心是以ISO C45碳鋼(JIS S45C ; AISI C1045)、不銹鋼或其他材質加工製作而成，且在組裝前後要塗上防止生鏽或腐蝕的塗料。
- 8 **Fan Cover** - Constructed of aluminum alloy、stainless steel or others to prevent corrosion, The fan cover easy to open and closing, it is convenient to check and maintain. The fan cover also could be anodized film and painted to prevent corrosion.
風機頂蓋（檢修蓋）組成材質為鋁合金、不銹鋼或其他材質且經特殊處理可防止腐蝕。風機頂蓋容易開啟關閉，方便檢查及維修，並檢附不銹鋼鎖門或其他固定樣式。風機頂蓋（檢修蓋）並施以陽極或烤漆處理可防止腐蝕。
- 9 **A birdscreen**. The birdscreen produces minimal effect on air. And sound performance. The size may be 10~20 mm square mesh or another size. The birdscreen material could be galvanized sheet metal or stainless steel.
防鳥網（不銹鋼防護網）可防止鳥類不小心進入風機內部而造成風機損壞。防鳥網安裝與否對於風機性能及噪音影響並不大。防鳥網尺寸為10~20mm正方形網格，φ1.2mm鍍鋅鐵/鋼或不銹鋼材質，另有多種孔目尺寸及材質可供選擇。
- 10 **Inletbell**. The airflow entering from here. Constructed of aluminum alloy、stainless steel or others. The aerodynamically inletcones are bolted in and guarantee a perfect inlet stream onto the impeller. Inletbell also could be anodized film and painted to prevent corrosion.
氣體由**入風口**進入，材質為鋁合金、不銹鋼或其他材質製成。使用喇叭口型（鐘型）導風圈的用意是使氣流能快速的進入葉輪並且流暢的將氣流往後送出去。入風口並施以陽極或烤漆處理可防止腐蝕。
- 11 **Fan base**. Connected with building. Mounting holes are pre punched for ease of installation. Constructed of aluminum alloy、stainless steel or others. The fan base also could be anodized film and painted to prevent corrosion.
風機底座設計可直接安裝於建築物上或使用套管連接。風機底座可為鋁合金、不銹鋼或其他材質製成。風機底座並施以陽極或烤漆處理可防止腐蝕。
- 12 **Vibration isolators**. support the drive assembly and wheel without steel to steel contact providing long life and quiet operation. Internal shock absorbers.
避震墊可以降低風機在運轉時產生的噪音並延長葉輪運轉壽命，避震方式為內避震，風機馬達置於防震橡膠墊上。
- 13 **Belt and Drive(Belt units only)**. Belts shall be heat and oil resistant, non-static type. Drives shall be precision machined cast iron type, keyed and securely attached to the wheel and motor shafts. Drives shall be sized for 150% of the installed motor horsepower.
皮帶型號適用-**皮帶**為防靜電型式且抗熱、抗油性，皮帶鬆緊可由葉輪或馬達端調整。皮帶設計負載至少為制動馬力的1.5倍。皮帶輪採推拔式固定(Tape Lock)。

Additional component 選購配備

Disconnect Switch-It has two kinds of model, one is no fuse switch, another is cut out switch.

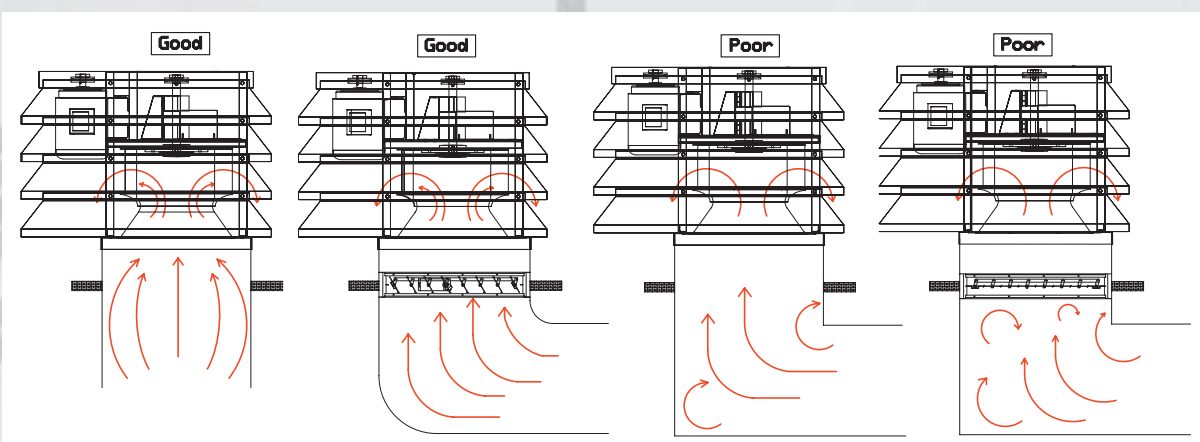
斷電開關有兩種型式，一種為無熔絲開關，另外一種為一般斷電開關。

Fan Inlet Connections

風機入口安裝方式

In order to assure proper fan performance, caution must be exercised in fan placement and connection to the ventilation system. Obstructions, transitions, poorly designed elbows, improperly selected dampers, etc., can cause reduced performance, excessive noise, and increased mechanical stress. For performance to be as published, the system must provide uniform and stable airflow into the fan.

為了保證風機性能，風機一定要小心且正確的與風管連接，任何不適當的安裝皆會降低風機的性能，並且引發過度的噪音甚至增加系統壓力。因此需提供穩定的氣流進入風機，如此才可確保風機的性能及效率與原廠符合。



Provide uniform airflow at fan inlet to assure optimum performance.

提供平穩的氣流使風機能發揮最佳效能。

Provide uniform airflow at fan inlet and through the damper to assure optimum performance.

若風機與風管連接處有安裝閘門時，閘門須完全開啟，以提供平穩氣流，使風機發揮最佳效能。

Avoid sharp turns or entrance conditions which cause uneven flow. Use turning vanes in elbows to reduce adverse effects.

應避免風管急轉彎，否則將會引起氣流不順暢，進而導致性能不佳。

Dampers must open fully. Use motorized dampers in low airflow applications to reduce losses.

若風機與風管連接處有安裝閘門時，閘門必須完全打開。若未完全開啟將影響風機性能。

Explanation of symbols

符號說明

Symbol 符號	Appellation 名稱	Unit 單位
Q	Air flow 流量	m ³ /min
Ps	Static pressure 靜壓力	mmAq
H	Fan power requirement 功率	kW
r	Density of the medium 輸送介質密度	Kg/m ³
LwoA	Sound power level at outlet, A-weighted 風機出口聲功率，經A加權	dB



RCL Series

Roof Centrifugal Fan-For Louver Type

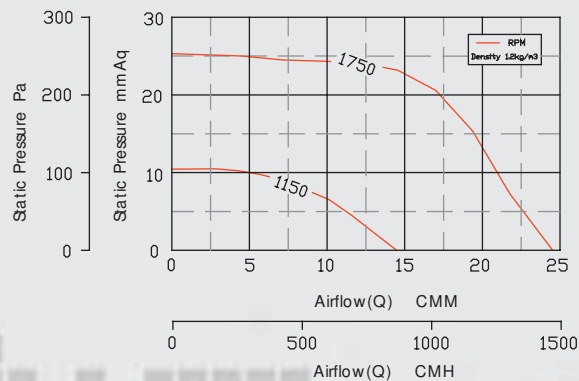
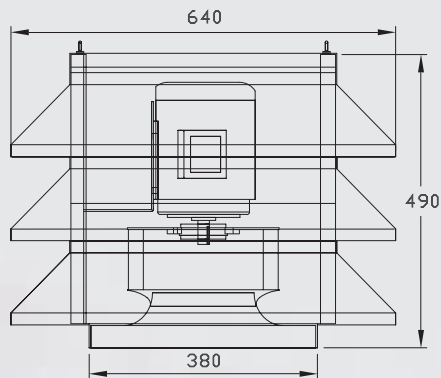
RCL Series Air and Sound Test In Laboratory

屋頂離心風機性能及噪音在實驗室測試照片

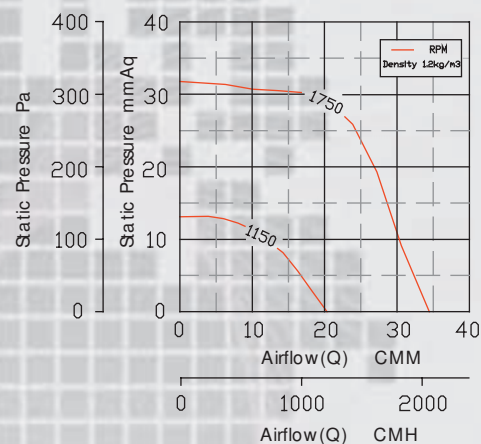
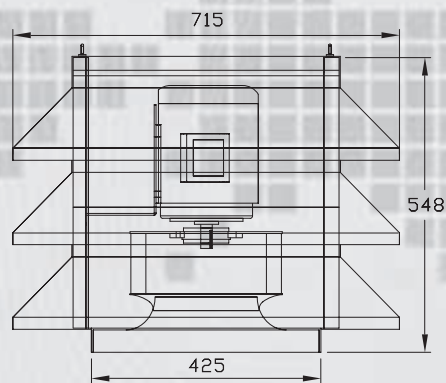




RCL - 250 - D



RCL - 280 - D



- Dimensions shown in millimeters
- The louver are sketch model , not correct shape and amount
- 風機尺寸採用mm表示
- 上述風機百葉圖形為示意圖，並非正確尺寸及數量

■ 流量 Q：單位 cmm ■ 靜壓 Ps：單位 mmAq
■ 功率 H：單位 kW ■ 密度 r：1.2kg/m³

風機型號	轉速 RPM		STATIC PRESSURE (Ps) 靜壓				
			5	10	20	30	40
RCL-250-D	1150	Q , CMM	11.22	5.01			
		H , kW	0.02	0.02			
		LwoA , dB	63	62			
RCL-250-D	1750	Q , CMM	22.63	20.96	17.26		
		H , kW	0.07	0.07	0.09		
		LwoA , dB	78	77	74		
RCL-280-D	1150	Q , CMM	16.73	11.84			
		H , kW	0.04	0.04			
		LwoA , dB	67	66			
RCL-280-D	1750	Q , CMM	32.34	30.30	26.84	17.79	
		H , kW	0.12	0.12	0.14	0.13	
		LwoA , dB	81	80	79	76	

-Performance certified is for Installation type A-free inlet , free outlet with partition. Performance ratings do not include the effects of apertures (accessories).

-The A-weighted sound power ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet LwoA (dB) sound power levels for installation type A-free inlet, free outlet with partition.

經認證的性能是A類安裝：自由入口，自由出口，有隔板。各項性能額定值不包括附屬物（附件）的影響。

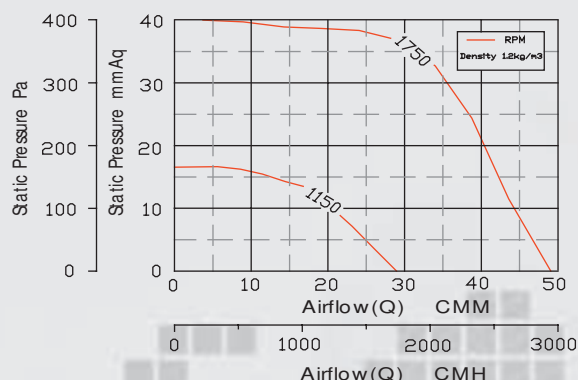
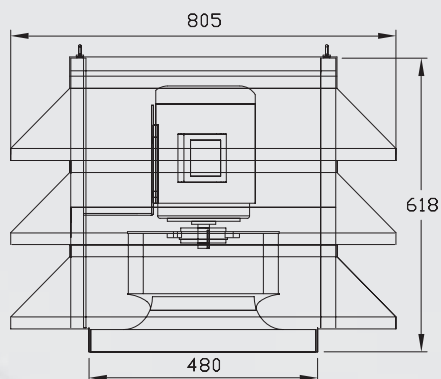
所示A加權聲音性能額定值已按 AMCA International 標準301計算。所示值為安裝類型A：自由入口，自由出口有隔板的聲功率級（出口 LwoA）。



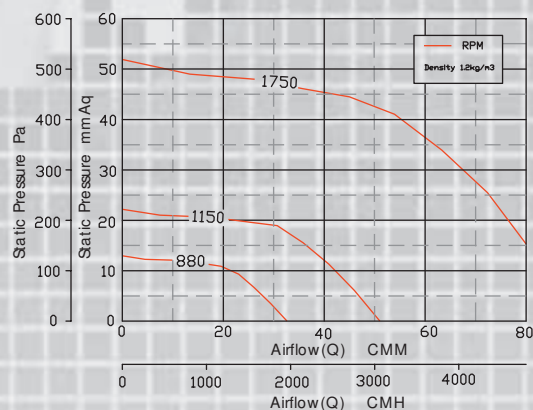
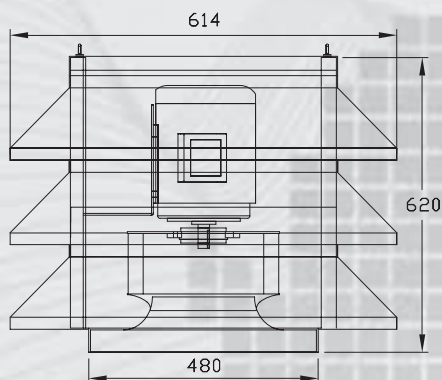
RCL Series

Roof Centrifugal Fan-For Louver Type

RCL - 315 - D



RCL - 355 - D



- Dimensions shown in millimeters
- The louver are sketch model , not correct shape and amount
- 風機尺寸採用mm表示
- 上述風機百葉圖形為示意圖，並非正確尺寸及數量

■ 流量 Q：單位 cmm ■ 靜壓 Ps：單位 mmAq
■ 功率 H：單位 kW ■ 密度 r：1.2kg/m³

風機型號	轉速 RPM		STATIC PRESSURE Ps) 靜壓				
			5	10	20	30	40
RCL-315-D	1150	Q , CMM	24.89	20.57			
		H , kW	0.07	0.07			
		LwoA , dB	71	70			
RCL-315-D	1750	Q , CMM	46.68	44.29	40.39	35.54	
		H , kW	0.21	0.22	0.24	0.27	
		LwoA , dB	85	84	83	82	
RCL-355-D	880	Q , CMM	27.84	21.57			
		H , KW	0.08	0.08			
		LwoA , dB	69	67			
RCL-355-D	1150	Q , CMM	46.90	42.20	22.61		
		H , kW	0.16	0.16	0.13		
		LwoA , dB	76	75	72		
RCL-355-D	1750	Q , CMM	<u>86.66</u>	<u>83.53</u>	<u>76.46</u>	<u>67.50</u>	55.29
		H , kW	<u>0.58</u>	<u>0.61</u>	<u>0.64</u>	<u>0.65</u>	0.61
		LwoA , dB	<u>89</u>	<u>88</u>	<u>87</u>	<u>86</u>	85

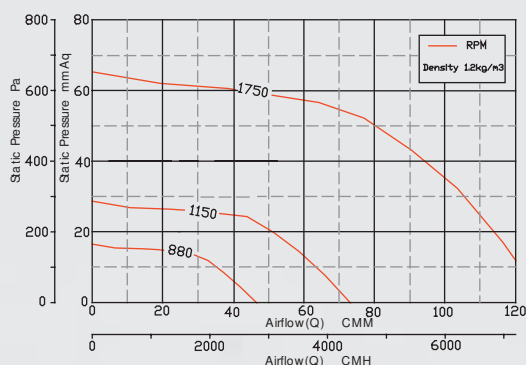
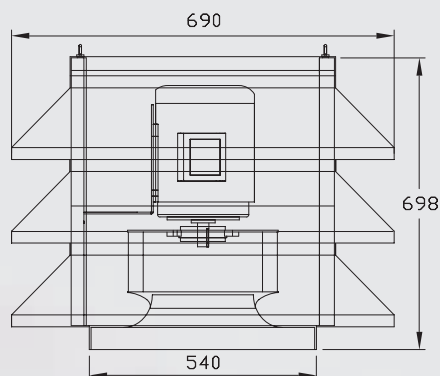
-Performance certified is for Installation type A-free inlet , free outlet with partition. Performance ratings do not include the effects of appurtenances (accessories).

-The A-weighted sound power ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet LwoA (dB) sound power levels for installation type A-free inlet, free outlet with partition.

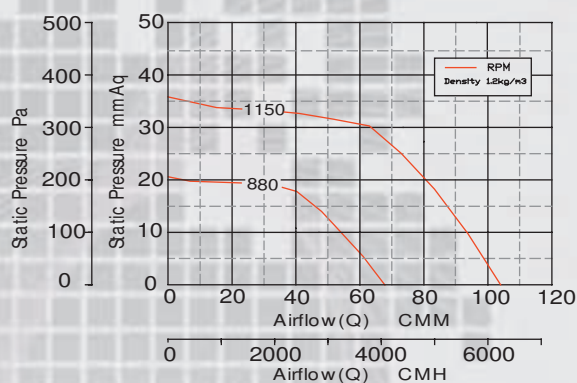
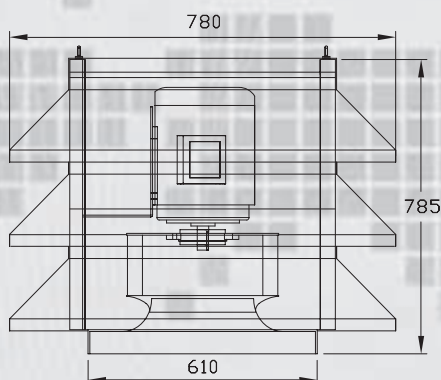
經認證的性能是A類安裝：自由入口，自由出口，有隔板。各項性能額定值不包括附屬物（附件）的影響。

所示A加權聲音性能額定值已按 AMCA International 標準301計算。所示值為安裝類型A：自由入口，自由出口有隔板的聲功率級（出口 LwoA）。

RCL - 400 - D



RCL - 450 - D



- Dimensions shown in millimeters
- The louver are sketch model , not correct shape and amount
- 風機尺寸採用mm表示
- 上述風機百葉圖形為示意圖，並非正確尺寸及數量

■ 流量 Q：單位cmm ■ 靜壓 Ps：單位 mmAq
■ 功率 H：單位 kW ■ 密度 r：1.2kg/m³

風機型號	轉速 RPM		STATIC PRESSURE (Ps) 靜壓					
			5	10	20	30	40	50
RCL-400-D	880	Q , CMM	41.40	35.38				
		H , kW	0.14	0.15				
		LwoA , dB	72	71				
RCL-400-D	1150	Q , CMM	68.35	63.32	50.85			
		H , kW	0.28	0.29	0.30			
		LwoA , dB	80	79	77			
RCL-400-D	1750	Q , CMM	124.93	121.39	113.93	105.48	94.26	80.26
		H , kW	1.05	1.09	1.15	1.19	1.17	1.11
		LwoA , dB	93	92	91	90	89	88
RCL-450-D	880	Q , CMM	60.60	54.14				
		H , kW	0.25	0.26				
		LwoA , dB	77	75				
RCL-450-D	1150	Q , CMM	98.71	93.42	80.61	63.45		
		H , kW	0.49	0.52	0.54	0.51		
		LwoA , dB	84	83	81	79		

-Performance certified is for Installation type A-free inlet , free outlet with partition. Performance ratings do not include the effects of appurtenances (accessories).

-The A-weighted sound power ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet LwoA (dB) sound power levels for installation type A-free inlet, free outlet with partition.

經認證的性能是A類安裝：自由入口，自由出口，有隔板。各項性能額定值不包括附屬物（附件）的影響。

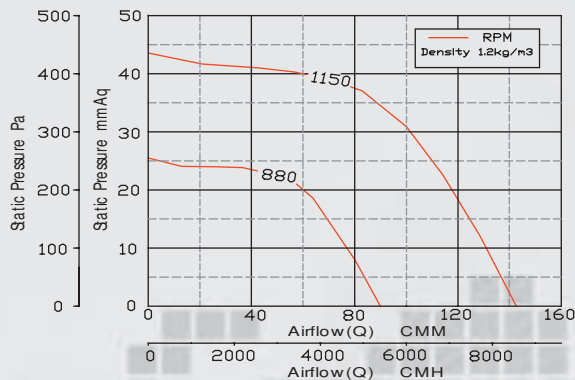
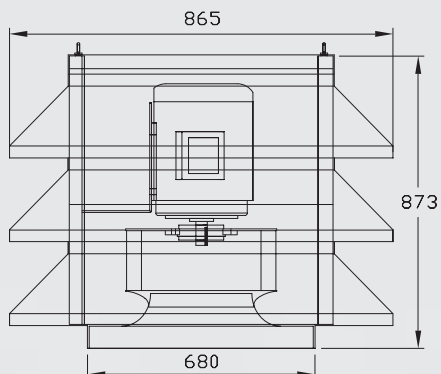
所示A加權聲音性能額定值已按 AMCA International 標準301計算。所示值為安裝類型A：自由入口，自由出口有隔板的聲功率級（出口 LwoA）。



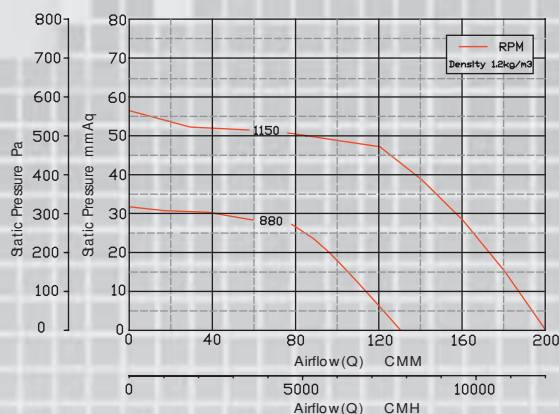
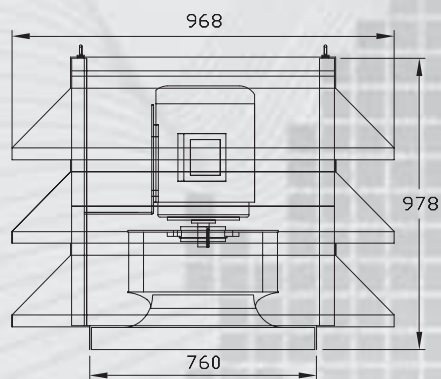
RCL Series

Roof Centrifugal Fan-For Louver Type

RCL - 500 - D



RCL - 560 - D



- Dimensions shown in millimeters
- The louver are sketch model , not correct shape and amount
- 風機尺寸採用mm表示
- 上述風機百葉圖形為示意圖，並非正確尺寸及數量

■ 流量 Q : 單位 cmm ■ 靜壓 Ps : 單位 mmAq
■ 功率 H : 單位 kW ■ 密度 r : 1.2kg/m³

風機型號	轉速 RPM		STATIC PRESSURE (Ps) 靜壓					
			5	10	20	30	40	50
RCL-500-D	880	Q, CMM	84.66	77.67	59.75			
		H, kW	0.42	0.44	0.44			
		LwoA, dB	80	79	77			
RCL-500-D	1150	Q, CMM	136.76	130.94	117.69	101.59	59.66	
		H, kW	0.83	0.86	0.90	0.91	0.72	
		LwoA, dB	87	87	85	84	82	
RCL-560-D	880	Q, CMM	120.80	113.27	96.34	40.12		
		H, kW	0.72	0.76	0.78	0.55		
		LwoA, dB	84	83	81	80		
RCL-560-D	1150	Q, CMM	193.80	187.28	173.14	157.19	137.63	85.94
		H, kW	1.44	1.49	1.57	1.61	1.59	1.28
		LwoA, dB	91	90	89	88	87	86

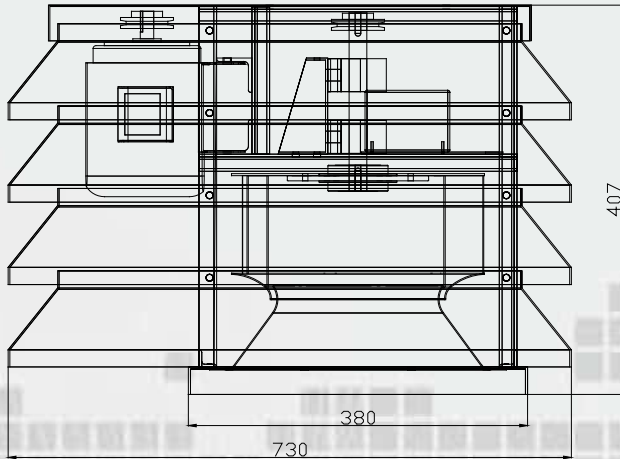
-Performance certified is for Installation type A-free inlet , free outlet with partition. Performance ratings do not include the effects of appurtenances (accessories).

-The A-weighted sound power ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet LwoA (dB) sound power levels for installation type A-free inlet, free outlet with partition.

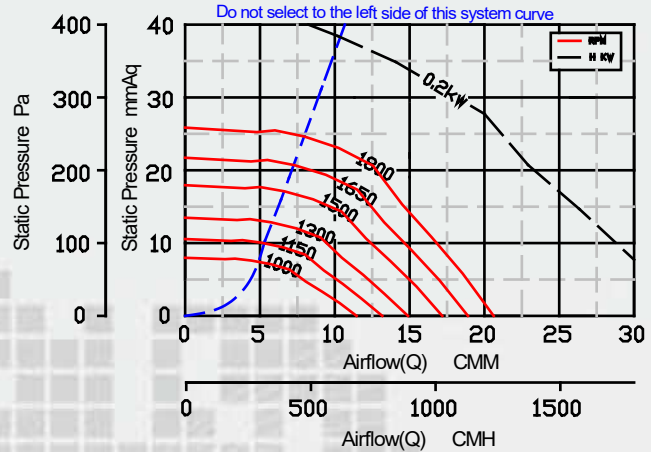
經認證的性能是A類安裝：自由入口，自由出口，有隔板。各項性能額定值不包括附屬物（附件）的影響。

所示A加權聲音性能額定值已按 AMCA International 標準301計算。所示值為安裝類型A：自由入口，自由出口有隔板的聲功率級（出口 LwoA）。

RCL - 250 - B



WHEEL : 250 mm OUTLET : 0.172 m² (outside area)
葉輪 : 250 mm 出口 : 0.172 m² (外圍面積)



- Dimensions shown in millimeters
- The louver are sketch model , not correct shape and amount
- 風機尺寸採用mm表示
- 上述風機百葉圖形為示意圖，並非正確尺寸及數量

■ 流量 Q : 單位 cmm ■ 靜壓 Ps : 單位 mmAq
■ 功率 H : 單位 kW ■ 密度 r : 1.2kg/m³

RPM 轉速		STATIC PRESSURE (Ps) 靜壓					
		5	10	15	20	25	30
1050	Q, CMM	8.61					
	H, kW	0.031					
	LwoA, dB	73					
1200	Q, CMM	10.85	7.16				
	H, kW	0.045	0.043				
	LwoA, dB	76	76				
1350	Q, CMM	12.97	10.25				
	H, kW	0.063	0.064				
	LwoA, dB	78	79				
1500	Q, CMM	14.99	12.22	9.83			
	H, kW	0.085	0.089	0.085			
	LwoA, dB	81	81	82			
1650	Q, CMM	16.95	14.44	12.51			
	H, kW	0.112	0.117	0.117			
	LwoA, dB	83	84	84			
1800	Q, CMM	18.86	16.57	14.41	12.94		
	H, kW	0.145	0.150	0.154	0.148		
	LwoA, dB	85	85	86	86		
2000	Q, CMM	21.35	19.29	17.38	15.88	14.22	10.03
	H, kW	0.197	0.203	0.209	0.211	0.202	0.195
	LwoA, dB	88	88	88	89	89	89

-Performance certified is for Installation type A-free inlet , free outlet with partition. Performance ratings do not include the effects of appurtenances (accessories).

-The A-weighted sound power ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet LwoA (dB) sound power levels for installation type A-free inlet, free outlet with partition.

-經認證的性能是A類安裝:自由入口，自由出口，有隔板。各項性能額定值不包括附屬物（附件）的影響。功率額定值(kW)不包括傳輪（動）損失。

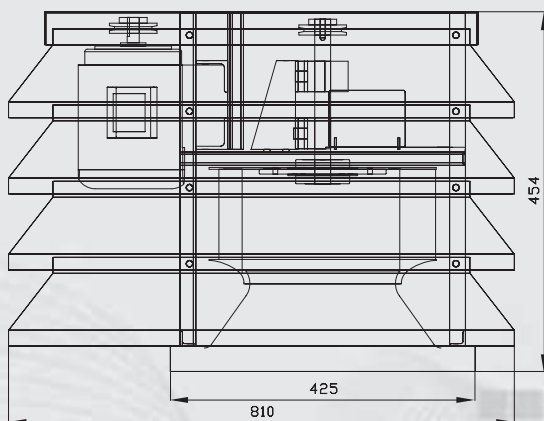
-所示A加權聲音性能額定值已按AMCA International 標準301計算。所示值為安裝類型A:自由入口，自由出口有隔板的聲功率級（出口LwoA）。



RCL Series

Roof Centrifugal Fan-For Louver Type

RCL - 280 - B



WHEEL : 280 mm

葉輪 : 280 mm

OUTLET : 0.211 m² (outside area)

出口 : 0.211 m² (外圍面積)



- Dimensions shown in millimeters
- The louver are sketch model , not correct shape and amount
- 風機尺寸採用mm表示
- 上述風機百葉圖形為示意圖，並非正確尺寸及數量

■ 流量 Q : 單位 cmm ■ 靜壓 Ps : 單位 mmAq
■ 功率 H : 單位 kW ■ 密度 r : 1.2kg/m³

RPM 轉速		STATIC PRESSURE (Ps) 靜壓					
		5	10	15	20	25	30
1000	Q, CMM	12.09					
	H, kW	0.046					
	LwoA, dB	75					
1130	Q, CMM	14.75	11.25				
	H, kW	0.065	0.064				
	LwoA, dB	78	78				
1250	Q, CMM	17.08	13.82	6.05			
	H, kW	0.087	0.090	0.074			
	LwoA, dB	80	81	81			
1350	Q, CMM	18.95	15.74	12.67			
	H, kW	0.109	0.114	0.109			
	LwoA, dB	82	82	83			
1510	Q, CMM	21.87	19.08	16.56	12.57		
	H, kW	0.151	0.157	0.158	0.150		
	LwoA, dB	85	85	85	85		
1650	Q, CMM	24.35	21.88	19.21	17.08	12.82	
	H, kW	0.195	0.202	0.208	0.202	0.197	
	LwoA, dB	87	87	87	88	88	
1800	Q, CMM	26.96	24.76	22.36	20.10	18.16	13.63
	H, kW	0.252	0.259	0.267	0.27	0.259	0.255
	LwoA, dB	89	89	89	89	90	90

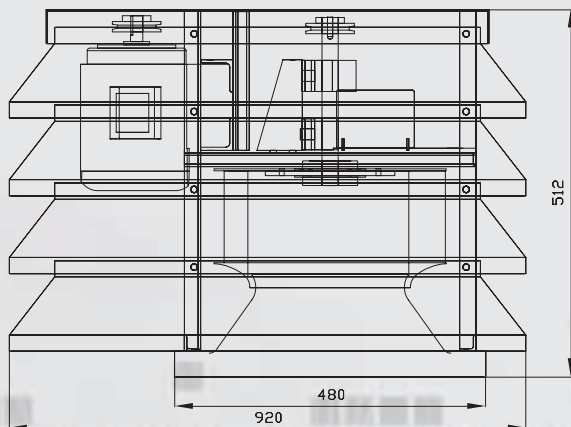
-Performance certified is for Installation type A-free inlet , free outlet with partition. Performance ratings do not include the effects of appurtenances (accessories).

-The A-weighted sound power ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet LwoA (dB) sound power levels for installation type A-free inlet, free outlet with partition.

-經認證的性能是A類安裝:自由入口，自由出口,有隔板。各項性能額定值不包括附屬物（附件）的影響。功率額定值(kW)不包括傳輸（動）損失。

-所示A加權聲音性能額定值已按AMCA International 標準301計算。所示值為安裝類型A:自由入口，自由出口有隔板的聲功率級（出口LwoA）。

RCL - 315 - B

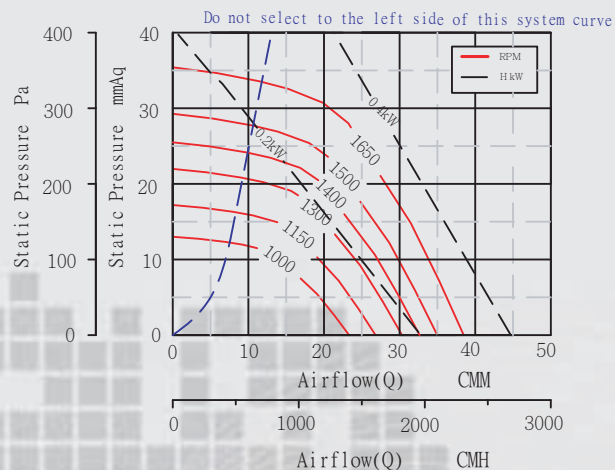


WHEEL : 315 mm

葉輪 : 315 mm

OUTLET : 0.270 m² (outside area)

出口 : 0.270 m² (外圓面積)



- Dimensions shown in millimeters
- The louver are sketch model , not correct shape and amount
- 風機尺寸採用mm表示
- 上述風機百葉圖形為示意圖，並非正確尺寸及數量

■ 流量 Q : 單位 cmm ■ 靜壓 Ps : 單位 mmAq
■ 功率 H : 單位 kW ■ 密度 r : 1.2kg/m³

RPM 轉速		STATIC PRESSURE (Ps) 靜壓					
		5	10	20	30	40	50
1000	Q, CMM	19.44	14.37				
	H, kW	0.07	0.62				
	LwoA, dB	71	69				
1120	Q, CMM	22.69	18.36				
	H, kW	0.91	0.94				
	LwoA, dB	74	73				
1250	Q, CMM	26.12	22.58	3.32			
	H, kW	1.25	1.30	0.85			
	LwoA, dB	77	77	75			
1380	Q, CMM	29.48	26.54	18.83			
	H, kW	1.67	1.75	1.61			
	LwoA, dB	80	80	78			
1500	Q, CMM	32.49	29.83	23.21			
	H, kW	2.12	2.21	2.20			
	LwoA, dB	82	83	81			
1620	Q, CMM	35.48	33.05	27.17	18.53		
	H, kW	2.64	2.75	2.84	2.52		
	LwoA, dB	85	85	84	83		
1750	Q, CMM	38.68	36.48	31.37	25.50		
	H, kW	3.31	3.44	3.58	3.37		
	LwoA, dB	87	88	87	86		

-Performance certified is for Installation type A-free inlet , free outlet with partition. Performance ratings do not include the effects of appurtenances (accessories).

-The A-weighted sound power ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet LwoA (dB) sound power levels for installation type A-free inlet, free outlet with partition.

-經認證的性能是A類安裝:自由入口，自由出口，有隔板。各項性能額定值不包括附屬物（附件）的影響。功率額定值(kW)不包括傳輸（動）損失。

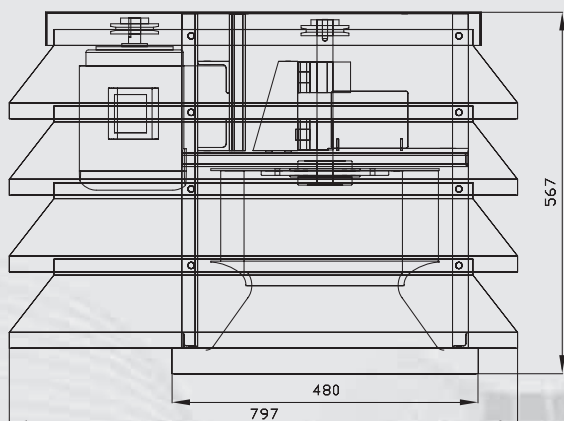
-所示A加權聲音性能額定值已按AMCA International 標準301計算。所示值為安裝類型A:自由入口，自由出口有隔板的聲功率級（出口LwoA）。



RCL Series

Roof Centrifugal Fan-For Louver Type

RCL - 355 - B



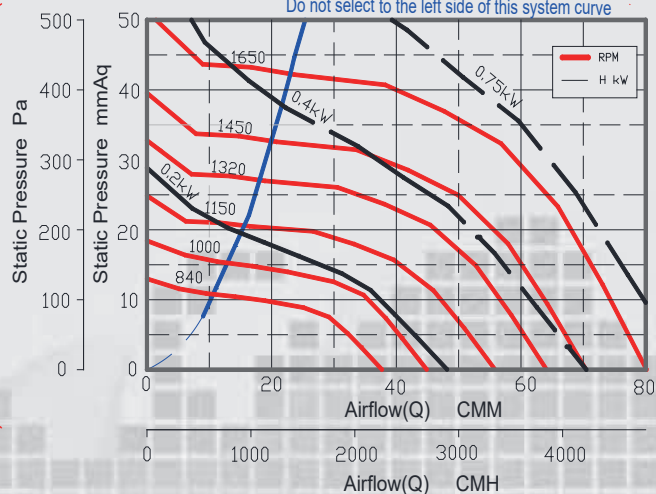
WHEEL : 355 mm

葉輪 : 355 mm

OUTLET : 0.164 m² (outside area)

出口 : 0.164 m² (外圍面積)

Do not select to the left side of this system curve



- Dimensions shown in millimeters
- The louver are sketch model , not correct shape and amount
- 風機尺寸採用mm表示
- 上述風機百葉圖形為示意圖，並非正確尺寸及數量

■ 流量 Q : 單位 cmm ■ 靜壓 Ps : 單位 mmAq
■ 功率 H : 單位 kW ■ 密度 r : 1.2kg/m³

RPM 轉速		STATIC PRESSURE (Ps) 靜壓					
		5	10	20	30	40	50
840	Q, CMM	32.40	17.81				
	H, kW	0.11	0.10				
	LwoA, dB	71	70				
950	Q, CMM	37.97	32.03				
	H, kW	0.15	0.15				
	LwoA, dB	74	73				
1100	Q, CMM	45.36	41.08				
	H, kW	0.23	0.24				
	LwoA, dB	79	77				
1240	Q, CMM	56.37	52.26	38.12			
	H, kW	0.27	0.28	0.27			
	LwoA, dB	82	81	80			
1360	Q, CMM	62.54	58.90	49.24			
	H, kW	0.35	0.36	0.37			
	LwoA, dB	85	84	82			
1500	Q, CMM	69.67	66.48	59.12	44.52		
	H, kW	0.46	0.48	0.50	0.47		
	LwoA, dB	87	86	85	84		
1600	Q, CMM	74.73	71.74	65.21	55.51		
	H, kW	0.56	0.58	0.60	0.59		
	LwoA, dB	89	89	87	86		

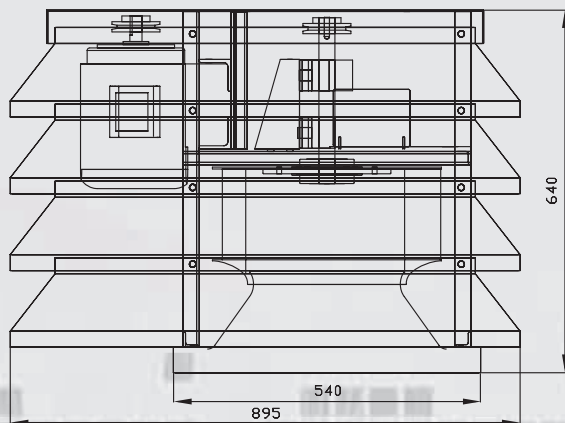
-Performance certified is for Installation type A-free inlet , free outlet with partition. Performance ratings do not include the effects of appurtenances (accessories).

-The A-weighted sound power ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet LwoA (dB) sound power levels for installation type A-free inlet , free outlet with partition.

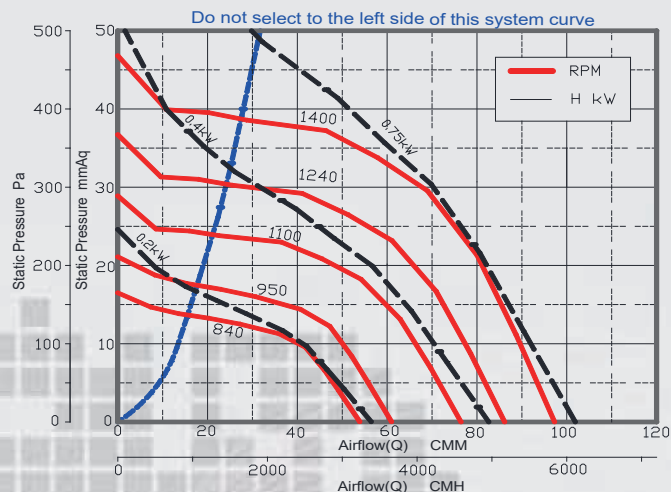
-經認證的性能是A類安裝:自由入口，自由出口，有隔板。各項性能額定值不包括附屬物（附件）的影響。功率額定值(kW)不包括傳輪（動）損失。

-所示A加權聲音性能額定值已按AMCA International 標準301計算。所示值為安裝類型A:自由入口，自由出口有隔板的聲功率級（出口LwoA）。

RCL - 400 - B



WHEEL : 400 mm OUTLET : 0.208 m² (outside area)
葉輪 : 400 mm 出口 : 0.208 m² (外圓面積)



- Dimensions shown in millimeters
- The louver are sketch model , not correct shape and amount
- 風機尺寸採用mm表示
- 上述風機百葉圖形為示意圖，並非正確尺寸及數量

■ 流量 Q : 單位 cmm ■ 靜壓 Ps : 單位 mmAq
■ 功率 H : 單位 kW ■ 密度 r : 1.2kg/m³

RPM 轉速		STATIC PRESSURE (Ps) 靜壓					
		5	10	20	30	40	50
750	Q, CMM	41.46	24.01				
	H, kW	0.14	0.12				
	LwoA, dB	72	71				
840	Q, CMM	47.99	40.26				
	H, kW	0.19	0.19				
	LwoA, dB	75	74				
1000	Q, CMM	59.24	54.02	13.72			
	H, kW	0.31	0.33	0.23			
	LwoA, dB	80	79	78			
1150	Q, CMM	68.77	63.93	52.60			
	H, kW	0.37	0.39	0.41			
	LwoA, dB	84	83	82			
1240	Q, CMM	75.59	71.11	60.85	31.56		
	H, kW	0.45	0.47	0.49	0.41		
	LwoA, dB	86	85	84	83		
1360	Q, CMM	85.58	81.40	72.47	61.22		
	H, kW	0.60	0.63	0.66	0.66		
	LwoA, dB	89	88	86	86		
1500	Q, CMM	97.05	93.13	84.93	75.83	61.28	
	H, kW	0.78	0.81	0.84	0.86	0.83	
	LwoA, dB	91	90	89	88	88	

-Performance certified is for Installation type A-free inlet , free outlet with partition. Performance ratings do not include the effects of appurtenances (accessories).

-The A-weighted sound power ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet LwoA (dB) sound power levels for installation type A-free inlet, free outlet with partition.

-經認證的性能是A類安裝:自由入口，自由出口,有隔板。各項性能額定值不包括附屬物（附件）的影響。功率額定值(kW)不包括傳輸（動）損失。

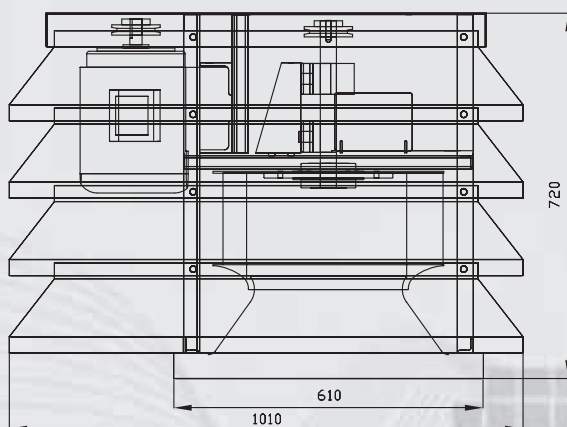
-所示A加權聲音性能額定值已按AMCA International 標準301計算。所示值為安裝類型A:自由入口，自由出口有隔板的聲功率級（出口LwoA）。



RCL Series

Roof Centrifugal Fan-For Louver Type

RCL - 450 - B

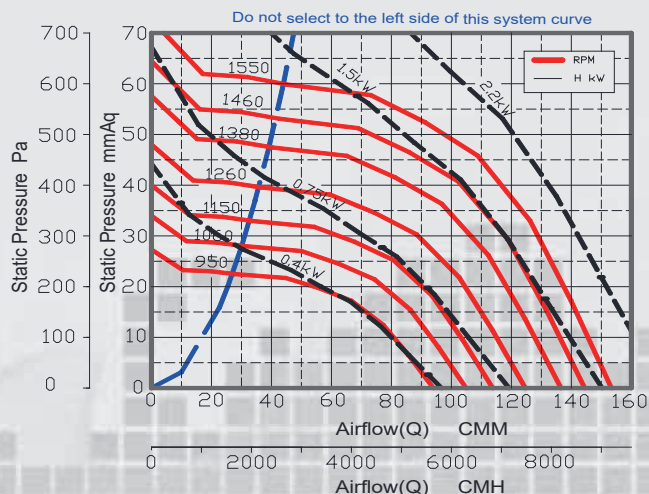


WHEEL : 450 mm

葉輪 : 450 mm

OUTLET : 0.263 m² (outside area)

出口 : 0.263 m² (外圍面積)



- Dimensions shown in millimeters
- The louver are sketch model , not correct shape and amount
- 風機尺寸採用mm表示
- 上述風機百葉圖形為示意圖，並非正確尺寸及數量

■ 流量 Q : 單位 cmm ■ 靜壓 Ps : 單位 mmAq
■ 功率 H : 單位 kW ■ 密度 r : 1.2kg/m³

RPM 轉速		STATIC PRESSURE (Ps) 靜壓						
		5	10	20	30	40	50	60
950	Q, CMM	87.61	80.74	54.16				
	H, kW	0.39	0.41	0.39				
	LwoA, dB	82	81	80				
1060	Q, CMM	99.15	93.20	77.21				
	H, kW	0.54	0.56	0.57				
	LwoA, dB	86	85	83				
1140	Q, CMM	107.47	102.07	88.85	59.48			
	H, kW	0.66	0.69	0.71	0.64			
	LwoA, dB	87	86	85	84			
1260	Q, CMM	119.85	115.04	104.52	88.86			
	H, kW	0.89	0.92	0.96	0.95			
	LwoA, dB	90	89	88	87			
1340	Q, CMM	128.05	123.53	113.78	100.71			
	H, kW	1.07	1.10	1.14	1.48			
	LwoA, dB	92	91	90	89	89		
1460	Q, CMM	140.29	136.14	127.42	117.85	103.37	73.32	
	H, kW	1.37	1.41	1.46	1.50	1.48	1.33	
	LwoA, dB	94	93	92	92	91	91	
1550	Q, CMM	149.44	145.53	137.47	128.81	116.98	97.62	
	H, kW	1.63	1.67	1.74	1.78	1.78	1.72	
	LwoA, dB	96	95	94	93	93	93	

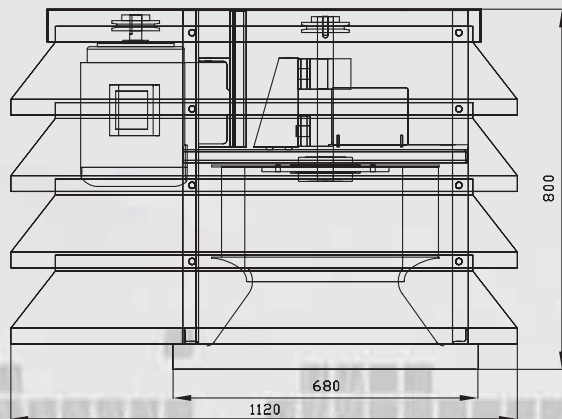
-Performance certified is for Installation type A-free inlet , free outlet with partition. Performance ratings do not include the effects of appurtenances (accessories).

-The A-weighted sound power ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet LwoA (dB) sound power levels for installation type A-free inlet , free outlet with partition.

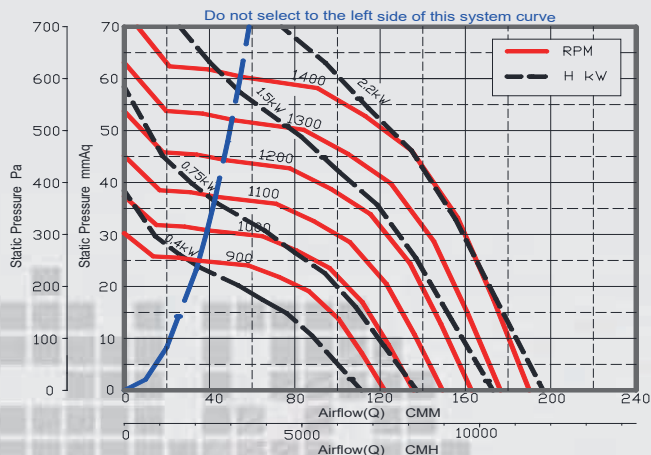
-經認證的性能是A類安裝:自由入口，自由出口，有隔板。各項性能額定值不包括附屬物（附件）的影響。功率額定值(kW)不包括傳輸（動）損失。

-所示A加權聲音性能額定值已按AMCA International 標準301計算。所示值為安裝類型A:自由入口，自由出口有隔板的聲功率級（出口LwoA）。

RCL - 500 - B



WHEEL : 500 mm OUTLET : 0.325 m² (outside area)
葉輪 : 500 mm 出口 : 0.325 m² (外圍面積)



- Dimensions shown in millimeters
- The louver are sketch model , not correct shape and amount
- 風機尺寸採用mm表示
- 上述風機百葉圖形為示意圖，並非正確尺寸及數量

■ 流量 Q : 單位 cmm ■ 靜壓 Ps : 單位 mmAq
■ 功率 H : 單位 kW ■ 密度 r : 1.2kg/m³

RPM 轉速		STATIC PRESSURE (Ps) 靜壓						
		5	10	20	30	40	50	60
750	Q, CMM	85.77	76.68					
	H, kW	0.30	0.31					
	LwoA, dB	79	78					
840	Q, CMM	97.95	90.40	47.85				
	H, kW	0.56	0.59	0.51				
	LwoA, dB	83	82	80				
950	Q, CMM	121.84	114.44	94.51				
	H, kW	0.66	0.68	0.69				
	LwoA, dB	86	85	84				
1050	Q, CMM	136.09	129.64	114.38	83.02			
	H, kW	0.88	0.91	0.94	0.88			
	LwoA, dB	89	88	87	86			
1150	Q, CMM	150.21	144.36	131.60	113.0	59.30		
	H, kW	1.143	1.18	1.23	1.22	0.98		
	LwoA, dB	91	90	89	88	88		
1300	Q, CMM	171.25	166.07	155.14	142.80	124.40	84.80	
	H, kW	1.64	1.68	1.75	1.79	1.76	1.57	
	LwoA, dB	95	94	93	92	91	91	
1400	Q, CMM	185.19	180.38	170.48	159.82	145.05	122.13	60.37
	H, kW	2.04	2.09	2.17	2.22	2.22	2.15	1.66
	LwoA, dB	96	96	95	94	93	93	92

-Performance certified is for Installation type A-free inlet , free outlet with partition. Performance ratings do not include the effects of appurtenances (accessories).

-The A-weighted sound power ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet LwoA (dB) sound power levels for installation type A-free inlet, free outlet with partition.

-經認證的性能是A類安裝:自由入口，自由出口，有隔板。各項性能額定值不包括附屬物（附件）的影響。功率額定值(kW)不包括傳輪（動）損失。

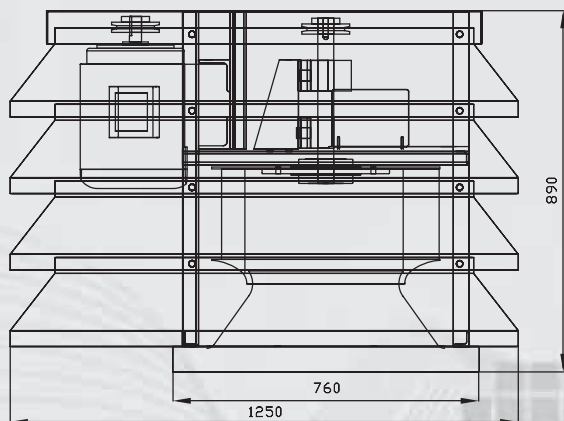
-所示A加權聲音性能額定值已按AMCA International 標準301計算。所示值為安裝類型A:自由入口，自由出口有隔板的聲功率級（出口LwoA）。



RCL Series

Roof Centrifugal Fan-For Louver Type

RCL - 560 - B

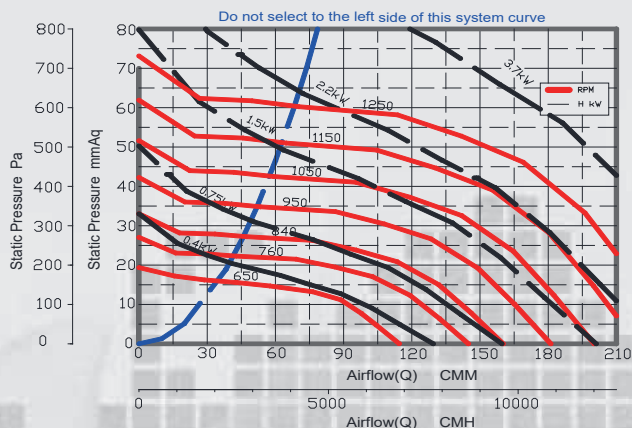


WHEEL : 560 mm

葉輪 : 560 mm

OUTLET : 0.406 m² (outside area)

出口 : 0.406 m² (外圓面積)



- Dimensions shown in millimeters
- The louver are sketch model , not correct shape and amount
- 風機尺寸採用mm表示
- 上述風機百葉圖形為示意圖，並非正確尺寸及數量

■ 流量 Q : 單位 cmm ■ 靜壓 Ps : 單位 mmAq
■ 功率 H : 單位 kW ■ 密度 r : 1.2kg/m³

RPM 轉速		STATIC PRESSURE (Ps) 靜壓						
		5	10	20	30	40	50	60
650	Q , CMM	103.80	91.86					
	H , kW	0.47	0.49					
	LwoA , dB	79	78					
760	Q , CMM	134.98	124.29	81.98				
	H , kW	0.60	0.62	0.58				
	LwoA , dB	83	82	82				
840	Q , CMM	151.18	141.78	116.20				
	H , kW	0.80	0.83	0.84				
	LwoA , dB	86	85	84				
950	Q , CMM	173.19	165.25	146.88	110.37			
	H , kW	1.14	1.19	1.23	1.17			
	LwoA , dB	89	89	88	87			
1050	Q , CMM	193.02	185.83	170.76	148.38	101.93		
	H , kW	1.53	1.58	1.65	1.64	1.48		
	LwoA , dB	92	92	91	90	89		
1150	Q , CMM	212.71	206.15	192.28	176.21	151.32	87.24	
	H , kW	2.0	2.06	2.14	2.18	2.13	1.76	
	LwoA , dB	94	94	93	92	92	91	
1300	Q , CMM	242.07	236.26	224.51	211.65	195.83	175.47	132.79
	H , kW	2.87	2.94	3.06	3.12	3.14	3.10	2.86
	LwoA , dB	98	98	97	96	95	95	94

-Performance certified is for Installation type A-free inlet , free outlet with partition. Performance ratings do not include the effects of appurtenances (accessories).

-The A-weighted sound power ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet LwoA (dB) sound power levels for installation type A-free inlet, free outlet with partition.

-經認證的性能是A類安裝:自由入口,自由出口,有隔板。各項性能額定值不包括附屬物(附件)的影響。功率額定值(kW)不包括傳輸(動)損失。

-所示A加權聲音性能額定值已按AMCA International 標準301計算。所示值為安裝類型A:自由入口,自由出口有隔板的聲功率級(出口LwoA)。

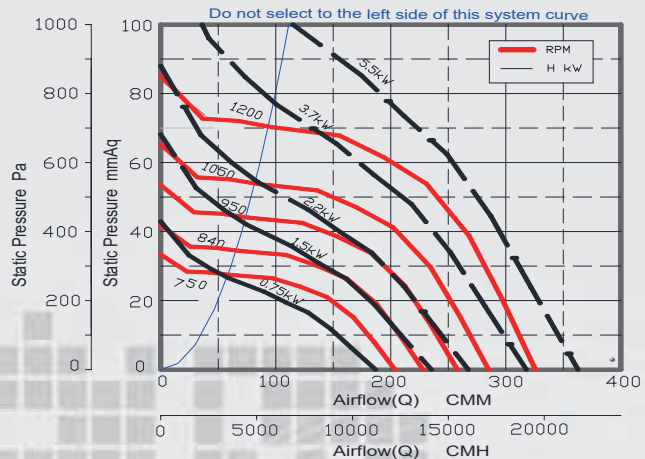
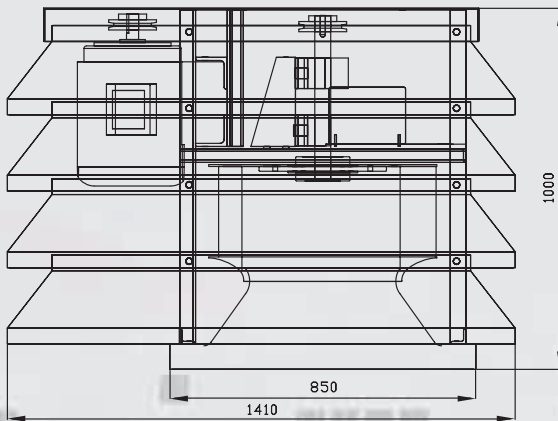
RCL - 630 - B

WHEEL : 630 mm

葉輪 : 630 mm

OUTLET : 0.515 m² (outside area)

出口 : 0.515 m² (外圍面積)



- Dimensions shown in millimeters
- The louver are sketch model , not correct shape and amount
- 風機尺寸採用mm表示
- 上述風機百葉圖形為示意圖，並非正確尺寸及數量

■ 流量 Q : 單位 cmm ■ 靜壓 Ps : 單位 mmAq
■ 功率 H : 單位 kW ■ 密度 r : 1.2kg/m³

RPM 轉速		STATIC PRESSURE (Ps) 靜壓						
		5	10	20	30	40	50	60
540	Q, CMM	120.90	103.22					
	H, kW	0.49	0.50					
	LwoA, dB	77	77					
630	Q, CMM	145.62	132.49					
	H, kW	0.76	0.79					
	LwoA, dB	82	81					
720	Q, CMM	183.68	171.2	133.64				
	H, kW	0.91	0.95	0.94				
	LwoA, dB	86	85	84				
840	Q, CMM	217.94	207.82	184.17	136.78			
	H, kW	1.42	1.48	1.53	1.45			
	LwoA, dB	90	89	88	88			
950	Q, CMM	248.97	240.04	220.76	194.52	142.44		
	H, kW	2.04	2.11	2.19	2.20	2.04		
	LwoA, dB	93	92	91	91	90		
1050	Q, CMM	276.97	268.87	251.94	233.74	205.55	149.49	
	H, kW	2.74	2.81	2.93	3.0	2.95	2.70	
	LwoA, dB	96	95	95	94	93	93	
1150	Q, CMM	304.82	297.44	282.46	266.11	245.67	215.59	163.59
	H, kW	3.58	3.66	3.81	3.90	3.92	3.86	3.55
	LwoA, dB	98	98	97	96	96	96	95

-Performance certified is for Installation type A-free inlet , free outlet with partition. Performance ratings do not include the effects of appurtenances (accessories).

-The A-weighted sound power ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet LwoA (dB) sound power levels for installation type A-free inlet, free outlet with partition.

-經認證的性能是A類安裝:自由入口,自由出口,有隔板。各項性能額定值不包括附屬物(附件)的影響。功率額定值(kW)不包括傳輸(動)損失。

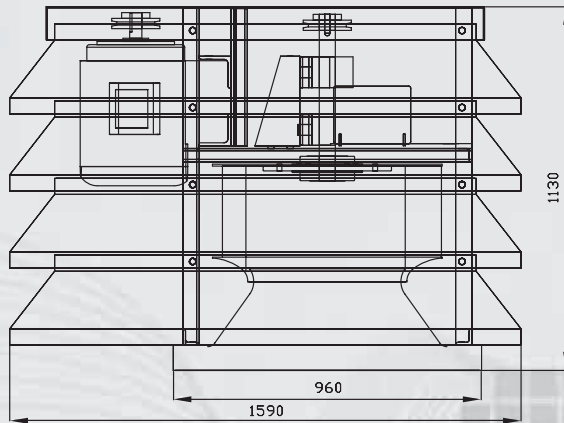
-所示A加權聲音性能額定值已按AMCA International 標準301計算。所示值為安裝類型A:自由入口,自由出口有隔板的聲功率級(出口LwoA)。



RCL Series

Roof Centrifugal Fan-For Louver Type

RCL - 710 - B

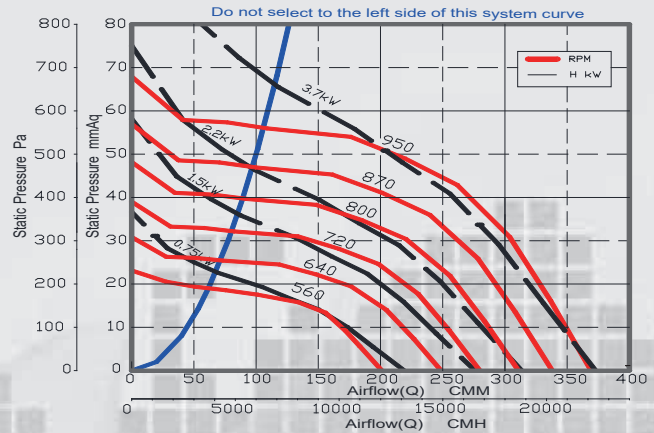


WHEEL : 710 mm

OUTLET : 0.655 m² (outside area)

葉輪 : 710 mm

出口 : 0.655 m² (外圍面積)



- Dimensions shown in millimeters
- The louver are sketch model , not correct shape and amount
- 風機尺寸採用mm表示
- 上述風機百葉圖形為示意圖，並非正確尺寸及數量

■ 流量 Q : 單位 cmm ■ 靜壓 Ps : 單位 mmAq
■ 功率 H : 單位 kW ■ 密度 r : 1.2kg/m³

RPM 轉速		STATIC PRESSURE (Ps) 靜壓						
		5	10	20	30	40	50	60
440	Q, CMM	137.77	98.99					
	H, kW	0.48	0.47					
	LwoA, dB	76	76					
520	Q, CMM	169.75	150.96					
	H, kW	0.78	0.81					
	LwoA, dB	80	79					
600	Q, CMM	217.21	200.04	132.42				
	H, kW	0.96	1.0	0.94				
	LwoA, dB	85	84	83				
680	Q, CMM	250.17	235.58	196.95				
	H, kW	1.39	1.44	1.46				
	LwoA, dB	88	87	86				
760	Q, CMM	282.74	270.15	242.0	187.35			
	H, kW	1.91	2.0	2.07	1.98			
	LwoA, dB	91	90	89	89			
840	Q, CMM	315.03	303.64	279.05	245.36	177.51		
	H, kW	2.57	2.65	2.76	2.76	2.55		
	LwoA, dB	94	93	92	91	91		
950	Q, CMM	359.09	349.02	328.05	305.74	271.77	210.88	
	H, kW	3.69	3.78	3.93	4.03	3.99	3.75	
	LwoA, dB	97	96	95	95	94	94	

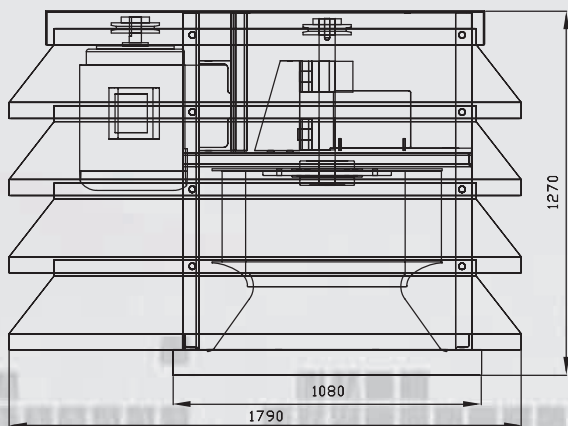
-Performance certified is for Installation type A-free inlet , free outlet with partition. Performance ratings do not include the effects of appurtenances (accessories).

-The A-weighted sound power ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet LwoA (dB) sound power levels for installation type A-free inlet, free outlet with partition.

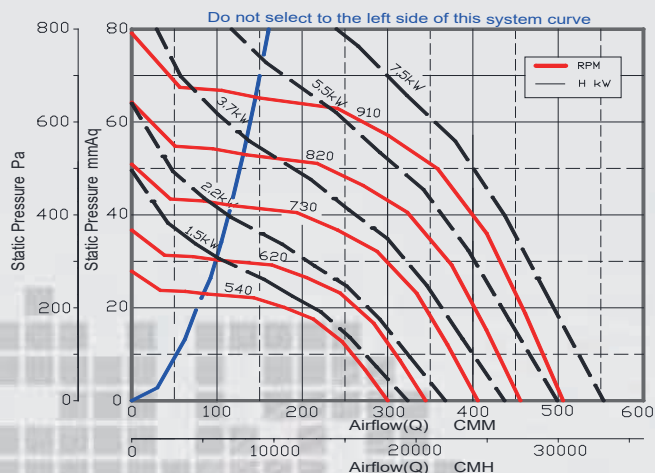
-經認證的性能是A類安裝:自由入口，自由出口，有隔板。各項性能額定值不包括附屬物（附件）的影響。功率額定值(kW)不包括傳輸（動）損失。

-所示A加權聲音性能額定值已按AMCA International 標準301計算。所示值為安裝類型A:自由入口，自由出口有隔板的聲功率級（出口LwoA）。

RCL - 800 - B



WHEEL : 800 mm OUTLET : 0.829 m² (outside area)
葉輪 : 800 mm 出口 : 0.829 m² (外圍面積)



- Dimensions shown in millimeters
- The louver are sketch model , not correct shape and amount
- 風機尺寸採用mm表示
- 上述風機百葉圖形為示意圖，並非正確尺寸及數量

■ 流量 Q : 單位 cmm ■ 靜壓 Ps : 單位 mmAq
■ 功率 H : 單位 kW ■ 密度 r : 1.2kg/m³

RPM 轉速		STATIC PRESSURE (Ps) 靜壓						
		5	10	20	30	40	50	60
410	Q, CMM	186.20	150.63					
	H, kW	0.71	0.71					
	LwoA, dB	77	77					
470	Q, CMM	220.28	197.10					
	H, kW	1.04	1.09					
	LwoA, dB	81	80					
540	Q, CMM	280.22	258.81	179.93				
	H, kW	1.28	1.33	1.27				
	LwoA, dB	85	84	84				
600	Q, CMM	315.57	296.90	247.15				
	H, kW	1.73	1.80	1.83				
	LwoA, dB	88	87	87				
680	Q, CMM	362.15	346.30	311.35	245.10			
	H, kW	2.49	2.59	2.69	2.59			
	LwoA, dB	92	91	90	90			
760	Q, CMM	408.29	394.11	363.64	323.40	249.02		
	H, kW	3.45	3.56	3.7	3.72	3.53		
	LwoA, dB	95	94	93	93	93		
850	Q, CMM	459.82	447.14	420.80	392.71	350.74	278.89	
	H, kW	4.79	4.91	5.11	5.24	5.19	4.94	
	LwoA, dB	98	97	97	96	95	95	

-Performance certified is for Installation type A-free inlet , free outlet with partition. Performance ratings do not include the effects of appurtenances (accessories).

-The A-weighted sound power ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet LwoA (dB) sound power levels for installation type A-free inlet, free outlet with partition.

-經認證的性能是A類安裝:自由入口,自由出口,有隔板。各項性能額定值不包括附屬物(附件)的影響。功率額定值(kW)不包括傳輸(動)損失。

-所示A加權聲音性能額定值已按AMCA International 標準301計算。所示值為安裝類型A:自由入口,自由出口有隔板的聲功率級(出口LwoA)。



RCL Series

Roof Centrifugal Fan-For Louver Type

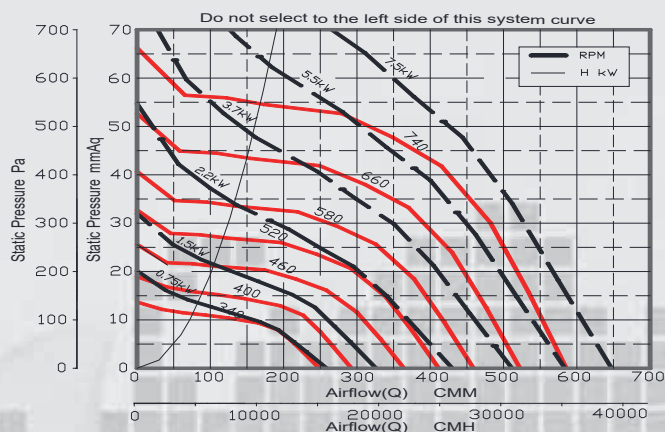
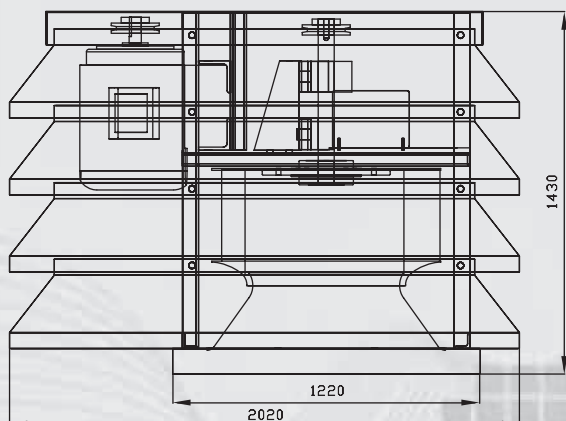
RCL - 900 - B

WHEEL : 900 mm

OUTLET : 1.051 m² (outside area)

葉輪 : 900 mm

出口 : 1.051 m² (外圍面積)



- Dimensions shown in millimeters
- The louver are sketch model , not correct shape and amount
- 風機尺寸採用mm表示
- 上述風機百葉圖形為示意圖，並非正確尺寸及數量

■ 流量 Q : 單位 cmm ■ 靜壓 Ps : 單位 mmAq
■ 功率 H : 單位 KW ■ 密度 r : 1.2kg/m³

RPM 轉速		STATIC PRESSURE (Ps) 靜壓						
		5	10	20	30	40	50	60
340	Q, CMM	215.47	139.99					
	H, kW	0.73	0.68					
	LwoA, dB	76	76					
420	Q, CMM	280.56	251.47					
	H, kW	1.34	1.40					
	LwoA, dB	82	81					
480	Q, CMM	354.65	327.55	227.72				
	H, kW	1.61	1.68	1.61				
	LwoA, dB	86	85	85				
560	Q, CMM	421.58	399.47	343.92	214.19			
	H, kW	2.52	2.62	2.69	2.37			
	LwoA, dB	90	90	89	88			
620	Q, CMM	471.17	451.61	408.72	339.04			
	H, kW	3.39	3.52	3.66	3.59			
	LwoA, dB	93	92	91	91			
700	Q, CMM	536.72	519.40	482.54	437.45	362.03		
	H, kW	4.84	4.99	5.19	5.26	5.09		
	LwoA, dB	97	96	95	94	94		
780	Q, CMM	601.82	586.27	554.33	519.89	472.53	399.85	214.4
	H, kW	6.66	6.82	7.1	7.26	7.25	7.03	5.60
	LwoA, dB	99	99	98	98	97	97	96

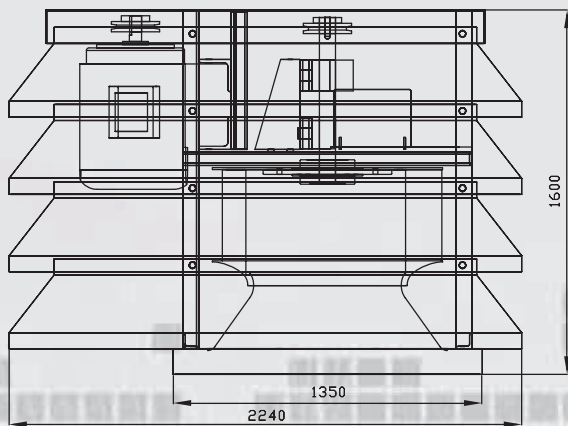
-Performance certified is for Installation type A-free inlet , free outlet with partition. Performance ratings do not include the effects of appurtenances (accessories).

-The A-weighted sound power ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet LwoA (dB) sound power levels for installation type A-free inlet, free outlet with partition.

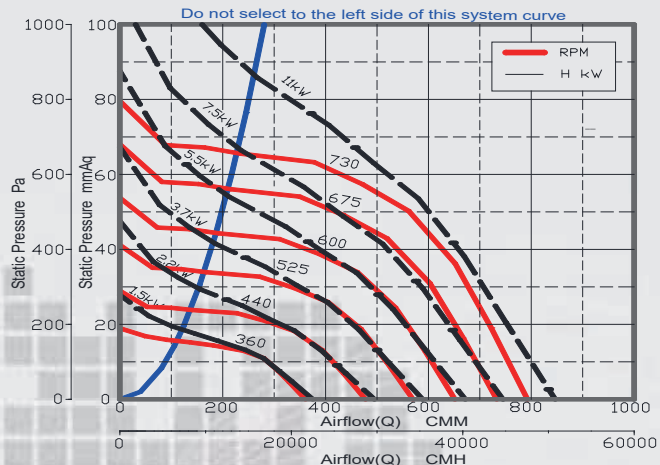
-經認證的性能是A類安裝:自由入口，自由出口，有隔板。各項性能額定值不包括附屬物（附件）的影響。功率額定值(kW)不包括傳輸（動）損失。

-所示A加權聲音性能額定值已按AMCA International 標準301計算。所示值為安裝類型A:自由入口，自由出口有隔板的聲功率級（出口LwoA）。

RCL - 1000 - B



WHEEL : 1000 mm OUTLET : 1.300 m² (outside area)
葉輪 : 1000 mm 出口 : 1.300 m² (外圍面積)



- Dimensions shown in millimeters
- The louver are sketch model , not correct shape and amount
- 風機尺寸採用mm表示
- 上述風機百葉圖形為示意圖，並非正確尺寸及數量

■ 流量 Q : 單位 cmm ■ 靜壓 Ps : 單位 mmAq
■ 功率 H : 單位 kW ■ 密度 r : 1.2kg/m³

RPM 轉速		STATIC PRESSURE						
		5	10	20	30	40	50	60
320	Q , CMM	281.92	218.84					
	H , kW	1.03	1.02					
	LwoA , dB	77	76					
380	Q , CMM	348.55	312.95					
	H , kW	1.68	1.76					
	LwoA , dB	83	82					
440	Q , CMM	447.09	414.41	301.95				
	H , kW	2.1	2.18	2.13				
	LwoA , dB	87	86	86				
500	Q , CMM	515.91	488.31	418.25	228.84			
	H , kW	3.04	3.16	3.24	2.70			
	LwoA , dB	90	90	89	88			
575	Q , CMM	600.86	577.42	526.39	451.98	237.16		
	H , kW	4.57	4.73	4.93	4.89	3.93		
	LwoA , dB	95	94	93	92	92		
650	Q , CMM	684.99	664.26	620.57	571.20	497.59	339.22	
	H , kW	6.56	6.74	7.01	7.16	7.04	6.26	
	LwoA , dB	98	97	96	96	96	95	
730	Q , CMM	774.12	755.66	718.31	677.42	627.59	563.22	429.88
	H , kW	9.23	9.44	9.82	10.03	10.11	9.98	9.25
	LwoA , dB	101	100	100	99	99	98	98

-Performance certified is for Installation type A-free inlet , free outlet with partition. Performance ratings do not include the effects of appurtenances (accessories).

-The A-weighted sound power ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet LwoA (dB) sound power levels for installation type A-free inlet, free outlet with partition.

-經認證的性能是A類安裝:自由入口，自由出口，有隔板。各項性能額定值不包括附屬物（附件）的影響。功率額定值(kW)不包括傳輸（動）損失。

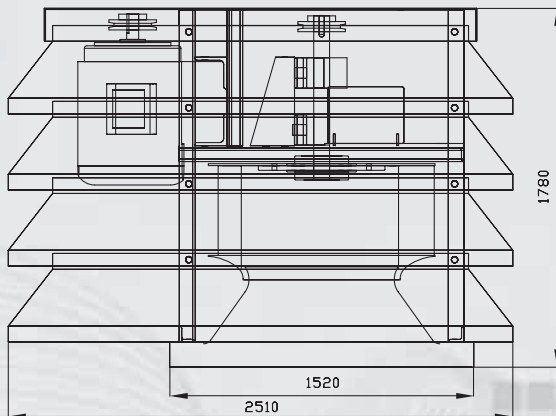
-所示A加權聲音性能額定值已按AMCA International 標準301計算。所示值為安裝類型A:自由入口，自由出口有隔板的聲功率級（出口LwoA）。



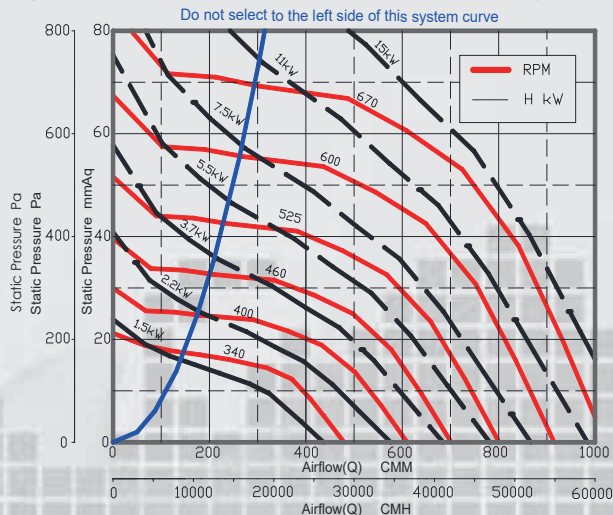
RCL Series

Roof Centrifugal Fan-For Louver Type

RCL - 1120 - B



WHEEL : 1120 mm OUTLET : 1.632 m² (outside area)
葉輪 : 1120 mm 出口 : 1.632 m² (外圍面積)



- Dimensions shown in millimeters
- The louver are sketch model , not correct shape and amount
- 風機尺寸採用mm表示
- 上述風機百葉圖形為示意圖，並非正確尺寸及數量

■ 流量 Q : 單位 cmm ■ 靜壓 Ps : 單位 mmAq
■ 功率 H : 單位 kW ■ 密度 r : 1.2kg/m³

RPM 轉速		STATIC PRESSURE (Ps) 靜壓						
		5	10	20	30	40	50	60
300	Q, CMM	376.22	315.64					
	H, kW	1.48	1.52					
	LwoA, dB	79	79					
360	Q, CMM	468.78	428.39					
	H, kW	2.5	2.62					
	LwoA, dB	85	84					
420	Q, CMM	604.72	567.13	464.80				
	H, kW	3.20	3.33	3.36				
	LwoA, dB	89	88	88				
480	Q, CMM	700.73	669.29	598.33	459.72			
	H, kW	4.71	4.90	5.09	4.86			
	LwoA, dB	93	92	91	91			
550	Q, CMM	811.51	784.07	725.33	649.79	515.31		
	H, kW	7.02	7.24	7.53	7.60	7.27		
	LwoA, dB	97	96	95	95	94		
625	Q, CMM	929.20	905.06	855.41	801.92	727.78	612.78	
	H, kW	10.23	10.48	10.90	11.16	11.14	10.78	
	LwoA, dB	100	100	99	98	98	98	
690	Q, CMM	1030.63	1008.76	965.01	917.12	868.67	793.96	690.54
	H, kW	13.71	13.98	14.52	14.83	15.10	14.96	14.57
	LwoA, dB	103	103	102	101	101	101	101

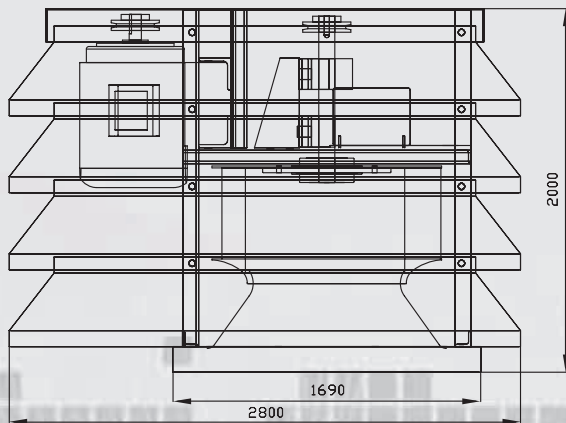
-Performance certified is for Installation type A-free inlet , free outlet with partition. Performance ratings do not include the effects of appurtenances (accessories).

-The A-weighted sound power ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet LwoA (dB) sound power levels for installation type A-free inlet, free outlet with partition.

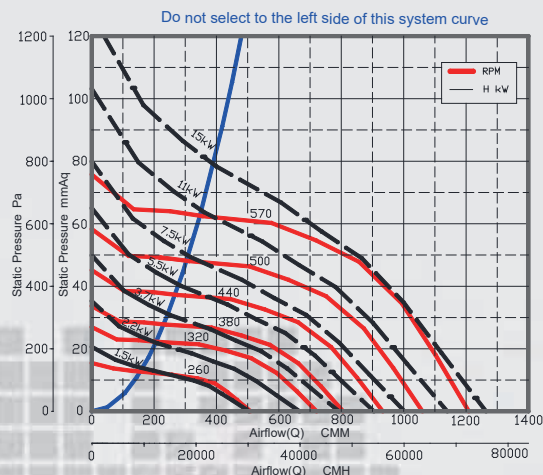
-經認證的性能是A類安裝:自由入口，自由出口，有隔板。各項性能額定值不包括附屬物（附件）的影響。功率額定值(kW)不包括傳輪（動）損失。

-所示A加權聲音性能額定值已按AMCA International 標準301計算。所示值為安裝類型A:自由入口，自由出口有隔板的聲功率級（出口LwoA）。

RCL - 1250 - B



WHEEL : 1250 mm OUTLET : 2.033 m² (outside area)
葉輪 : 1250 mm 出口 : 2.033 m² (外圍面積)



- Dimensions shown in millimeters
- The louver are sketch model , not correct shape and amount
- 風機尺寸採用mm表示
- 上述風機百葉圖形為示意圖，並非正確尺寸及數量

■ 流量 Q : 單位 cmm ■ 靜壓 Ps : 單位 mmAq
■ 功率 H : 單位 kW ■ 密度 r : 1.2kg/m³

RPM 轉速		STATIC PRESSURE (Ps) 靜壓						
		5	10	20	30	40	50	60
240	Q, CMM	404.91	234.45					
	H, kW	1.34	1.19					
	LwoA, dB	76	77					
290	Q, CMM	514.62	454.71					
	H, kW	2.29	2.39					
	LwoA, dB	82	82					
340	Q, CMM	671.49	618.08	405.47				
	H, kW	2.97	3.09	2.89				
	LwoA, dB	87	86	86				
390	Q, CMM	783.83	739.19	622.30				
	H, kW	4.41	4.59	4.68				
	LwoA, dB	91	90	89				
440	Q, CMM	891.76	856.48	772.29	622.36			
	H, kW	6.27	6.51	6.78	6.57			
	LwoA, dB	94	93	92	93			
500	Q, CMM	1026.59	992.90	921.08	831.58	678.29		
	H, kW	9.13	9.40	9.78	9.91	9.54		
	LwoA, dB	97	97	96	96	96		
570	Q, CMM	1179.16	1149.62	1089.26	1023.80	937.58	813.21	582.98
	H, kW	13.43	13.74	14.30	14.62	14.65	14.31	12.9
	LwoA, dB	101	101	100	99	99	99	98

-Performance certified is for Installation type A-free inlet , free outlet with partition. Performance ratings do not include the effects of appurtenances (accessories).

-The A-weighted sound power ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet LwoA (dB) sound power levels for installation type A-free inlet, free outlet with partition.

-經認證的性能是A類安裝:自由入口，自由出口，有隔板。各項性能額定值不包括附屬物（附件）的影響。功率額定值(kW)不包括傳輸（動）損失。

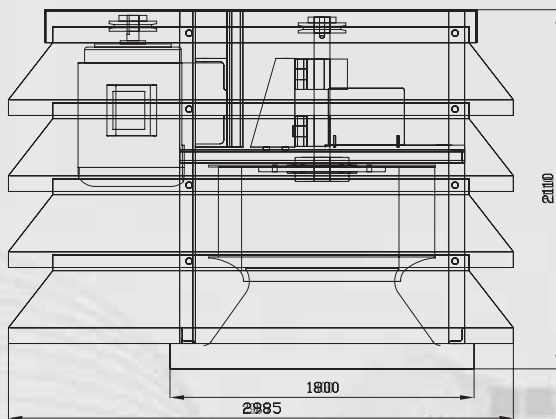
-所示A加權聲音性能額定值已按AMCA International 標準301計算。所示值為安裝類型A:自由入口，自由出口有隔板的聲功率級（出口LwoA）。



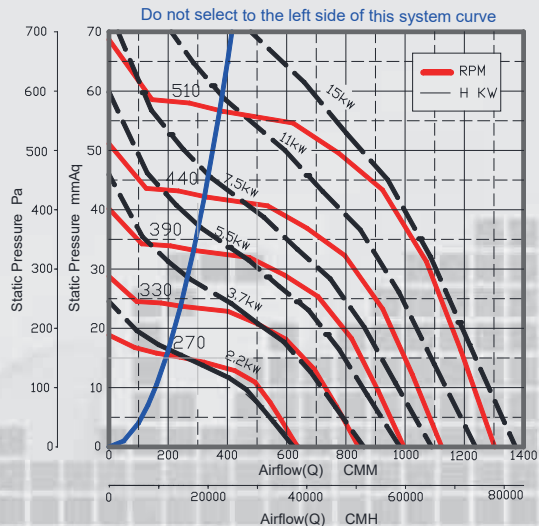
RCL Series

Roof Centrifugal Fan-For Louver Type

RCL - 1330 - B



WHEEL : 1330 mm OUTLET : 2.302 m² (outside area)
葉輪 : 1330 mm 出口 : 2.302 m² (外圍面積)



- Dimensions shown in millimeters
- The louver are sketch model , not correct shape and amount
- 風機尺寸採用mm表示
- 上述風機百葉圖形為示意圖，並非正確尺寸及數量

■ 流量 Q : 單位 cmm ■ 靜壓 Ps : 單位 mmAq
■ 功率 H : 單位 kW ■ 密度 r : 1.2kg/m³

RPM 轉速		STATIC PRESSURE (Ps) 靜壓						
		5	10	20	30	40	50	60
200	Q, CMM	385.49						
	H, kW	1.07						
	LwoA, dB	73						
240	Q, CMM	497.09	384.16					
	H, kW	1.81	1.79					
	LwoA, dB	78	79					
300	Q, CMM	653.29	596.62					
	H, kW	3.44	3.58					
	LwoA, dB	85	84					
360	Q, CMM	869.77	817.99	679.66				
	H, kW	4.74	4.94	5.01				
	LwoA, dB	91	90	89				
420	Q, CMM	1030.14	987.47	893.93	743.09			
	H, kW	7.43	7.71	8.02	7.86			
	LwoA, dB	95	94	93	94			
480	Q, CMM	1188.73	1151.40	1072.28	978.54	828.48		
	H, kW	11.0	11.31	11.77	11.98	11.67		
	LwoA, dB	98	98	97	96	96		
540	Q, CMM	1346.14	1312.95	1245.37	1171.85	1077.35	946.16	692.92
	H, kW	15.56	15.92	16.57	16.93	17.01	16.67	15.17
	LwoA, dB	102	101	100	100	99	99	99

-Performance certified is for Installation type A-free inlet , free outlet with partition. Performance ratings do not include the effects of appurtenances (accessories).

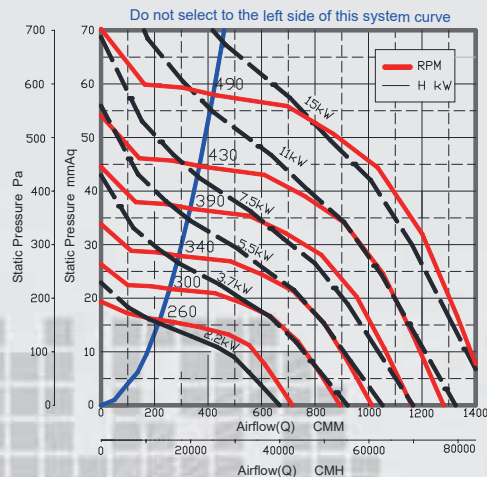
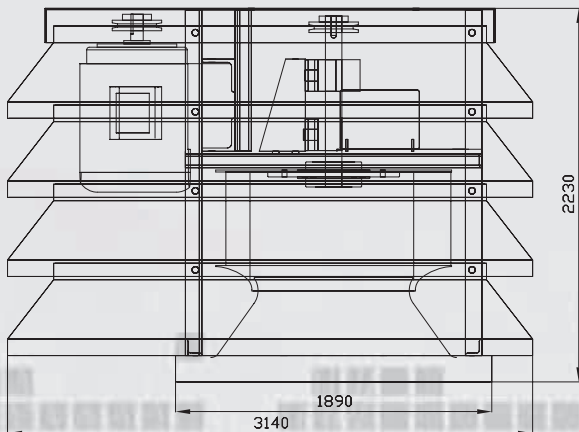
-The A-weighted sound power ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet LwoA (dB) sound power levels for installation type A-free inlet , free outlet with partition.

-經認證的性能是A類安裝:自由入口，自由出口，有隔板。各項性能額定值不包括附屬物（附件）的影響。功率額定值(kW)不包括傳輸（動）損失。

-所示A加權聲音性能額定值已按AMCA International 標準301計算。所示值為安裝類型A:自由入口，自由出口有隔板的聲功率級（出口LwoA）。

RCL - 1400 - B

WHEEL : 1400 mm OUTLET : 2.562 m² (outside area)
葉輪 : 1400 mm 出口 : 2.562 m² (外圍面積)



- Dimensions shown in millimeters
- The louver are sketch model , not correct shape and amount
- 風機尺寸採用mm表示
- 上述風機百葉圖形為示意圖，並非正確尺寸及數量

■ 流量 Q : 單位 cmm ■ 靜壓 Ps : 單位 mmAq
■ 功率 H : 單位 kW ■ 密度 r : 1.2kg/m³

RPM 轉速		STATIC PRESSURE (Ps) 靜壓						
		5	10	20	30	40	50	60
180	Q, CMM	392.58						
	H, kW	1.01						
	LwoA, dB	72						
220	Q, CMM	525.86	353.25					
	H, kW	1.81	1.70					
	LwoA, dB	77	78					
280	Q, CMM	709.11	644.37					
	H, kW	3.62	3.77					
	LwoA, dB	84	84					
320	Q, CMM	894.40	831.80	632.07				
	H, kW	4.36	4.51	4.44				
	LwoA, dB	89	88	89				
380	Q, CMM	1082.46	1032.82	917.97	689.79			
	H, kW	7.14	7.43	7.70	7.3			
	LwoA, dB	94	93	92	91			
440	Q, CMM	1267.98	1225.11	1133.33	1015.29	805.17		
	H, kW	11.0	11.31	11.77	11.88	11.35		
	LwoA, dB	97	97	96	96	96		
500	Q, CMM	1451.88	1414.15	1336.58	1253.0	1137.16	957.47	
	H, kW	15.99	16.37	17.04	17.42	17.40	16.84	
	LwoA, dB	101	100	100	99	99	99	

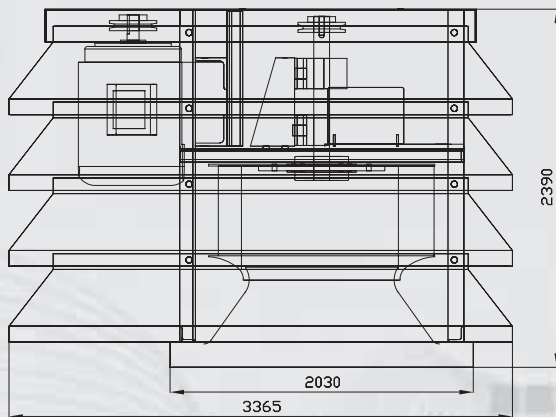
-Performance certified is for Installation type A-free inlet , free outlet with partition. Performance ratings do not include the effects of appurtenances (accessories).

-The A-weighted sound power ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet LwoA (dB) sound power levels for installation type A-free inlet, free outlet with partition.

-經認證的性能是A類安裝:自由入口，自由出口，有隔板。各項性能額定值不包括附屬物（附件）的影響。功率額定值(kW)不包括傳輪（動）損失。

-所示A加權聲音性能額定值已按AMCA International 標準301計算。所示值為安裝類型A:自由入口，自由出口有隔板的聲功率級（出口LwoA）。

RCL - 1500 - B

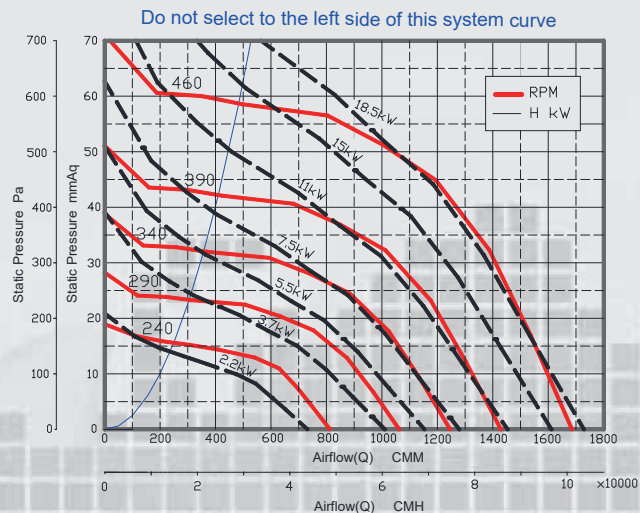


WHEEL : 1500 mm

葉輪：1500 mm

OUTLET : 2.903 m² (outside area)

出口：2.903 m² (外圍面積)



- Dimensions shown in millimeters
- The louver are sketch model , not correct shape and amount
- 風機尺寸採用mm表示
- 上述風機百葉圖形為示意圖，並非正確尺寸及數量

- 流量 Q：單位 cmm ■ 靜壓 Ps：單位 mmAq
■ 功率 H：單位 kW ■ 密度 r：1.2kg/m³

RPM 轉速		STATIC PRESSURE (Ps) 靜壓						
		5	10	20	30	40	50	60
190	Q , CMM	543.06						
	H , kW	1.66						
	LwoA , dB	75						
210	Q , CMM	621.58	463.10					
	H , kW	2.21	2.17					
	LwoA , dB	78	79					
260	Q , CMM	808.70	731.99					
	H , kW	4.07	4.27					
	LwoA , dB	84	84					
300	Q , CMM	1031.92	960.47	737.05				
	H , kW	5.04	5.25	5.19				
	LwoA , dB	89	88	89				
360	Q , CMM	1263.01	1206.87	1081.51	838.54			
	H , kW	8.56	8.9	9.25	8.85			
	LwoA , dB	94	93	93	94			
420	Q , CMM	1490.89	1442.77	1340.39	1215.15	1006.63		
	H , kW	13.45	13.848	14.141	14.62	14.15		
	LwoA , dB	98	98	97	97	97		
480	Q , CMM	1716.75	1674.66	1588.99	1495.71	1376.75	1213.72	894.54
	H , kW	19.94	20.39	21.23	21.70	21.8	21.1	19.52
	LwoA , dB	102	101	101	100	100	100	100

-Performance certified is for Installation type A-free inlet , free outlet with partition. Performance ratings do not include the effects of appurtenances (accessories).

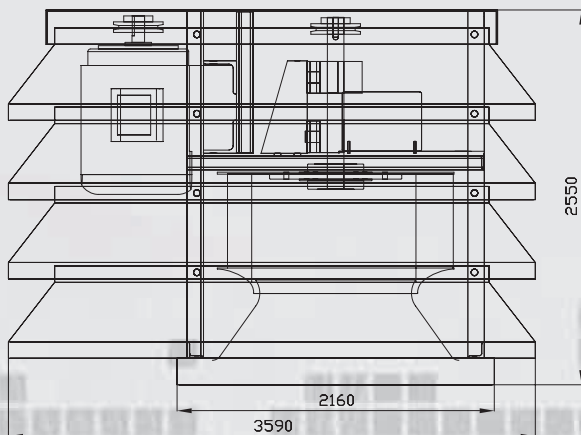
-The A-weighted sound power ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet Lw_{oA} (dB) sound power levels for installation type A-free inlet, free outlet with partition.

—經認證的性能是A類安裝:自由入口,自由出口,有隔板。各項性能額定值不包括附屬物(附件)的影響。功率額定值(kW)不包括傳輸(動)損失。

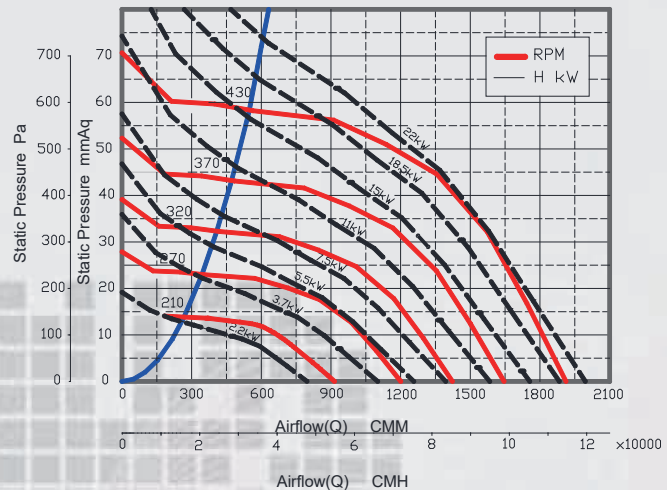
-所示A加權聲音性能額定值已按AMCA International 標準301計算。所示值為安裝類型A:自由入口,自由出口有隔板的聲功率級(出口L_{woA})。

RCL - 1600 - B

WHEEL : 1600 mm OUTLET : 3.04 m² (outside area)
葉輪 : 1600 mm 出口 : 3.04 m² (外圓面積)



Do not select to the left side of this system curve



- Dimensions shown in millimeters
- The louver are sketch model , not correct shape and amount
- 風機尺寸採用mm表示
- 上述風機百葉圖形為示意圖，並非正確尺寸及數量

■ 流量 Q : 單位 cmm ■ 靜壓 Ps : 單位 mmAq
■ 功率 H : 單位 kW ■ 密度 r : 1.2kg/m³

RPM 轉速		STATIC PRESSURE (Ps) 靜壓						
		5	10	20	30	40	50	60
170	Q, CMM	576.98						
	H, kW	1.65						
	LwoA, dB	74						
190	Q, CMM	675.14	423.38					
	H, kW	2.28	2.08					
	LwoA, dB	77	79					
230	Q, CMM	858.66	762.75					
	H, kW	3.92	4.09					
	LwoA, dB	83	82					
280	Q, CMM	1168.20	1086.43	825.56				
	H, kW	5.66	5.89	5.81				
	LwoA, dB	89	89	89				
330	Q, CMM	1402.22	1336.74	1183.15	874.16			
	H, kW	9.12	9.50	9.82	9.27			
	LwoA, dB	94	93	92	93			
390	Q, CMM	1679.10	1623.82	1515.90	1358.44	1104.71		
	H, kW	14.88	15.33	15.95	16.15	15.55		
	LwoA, dB	99	98	97	97	97		
450	Q, CMM	1953.29	1905.39	1807.91	1701.78	1566.44	1380.94	1017.79
	H, kW	22.70	23.20	24.15	24.68	24.80	24.35	22.21
	LwoA, dB	102	102	101	100	100	100	100

-Performance certified is for Installation type A-free inlet , free outlet with partition. Performance ratings do not include the effects of appurtenances (accessories).

-The A-weighted sound power ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet LwoA (dB) sound power levels for installation type A-free inlet, free outlet with partition.

-經認證的性能是A類安裝:自由入口，自由出口，有隔板。各項性能額定值不包括附屬物（附件）的影響。功率額定值(kW)不包括傳輸（動）損失。

-所示A加權聲音性能額定值已按AMCA International 標準301計算。所示值為安裝類型A:自由入口，自由出口有隔板的聲功率級（出口LwoA）。



RCL Series

Roof Centrifugal Fan-For Louver Type

Drawings / Dimensions

風機外觀尺寸表

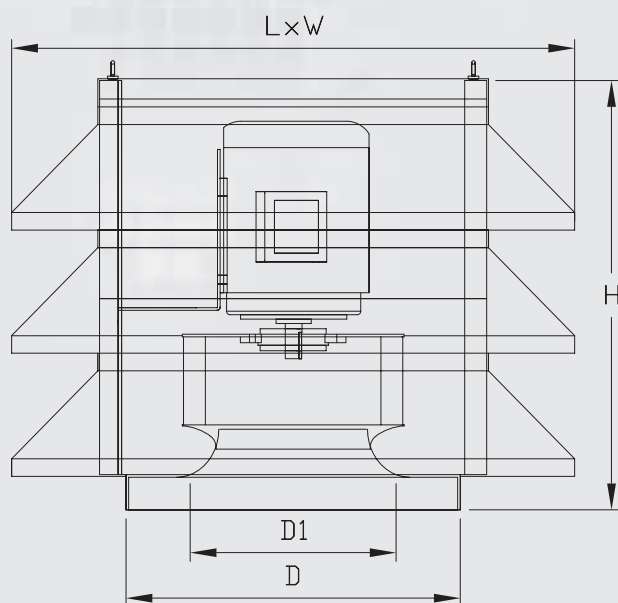
DIRECT DRIVE

直結式風機

型號	L	W	H	D	D1	MAX HP	RPM
RCL-250-D	640	580	490	380	258	0.25	1150
RCL-250-D	640	580	490	380	258	0.25	1750
RCL-280-D	715	650	548	425	287	0.25	1150
RCL-280-D	715	650	548	425	287	0.25	1750
RCL-315-D	805	730	618	480	323	0.25	1150
RCL-315-D	805	730	618	480	323	0.5	1750
RCL-355-D	614	544	620	480	355	0.25	880
RCL-355-D	614	544	620	480	355	0.25	1150
RCL-355-D	614	544	620	480	355	1	1750
RCL-400-D	690	613	698	540	400	0.25	880
RCL-400-D	690	613	698	540	400	0.5	1150
RCL-400-D	690	613	698	540	400	2	1750
RCL-450-D	780	690	785	610	450	0.5	880
RCL-450-D	780	690	785	610	450	1	1150
RCL-500-D	865	766	873	680	500	1	880
RCL-500-D	865	766	873	680	500	2	1150
RCL-560-D	968	858	978	760	560	1	880
RCL-560-D	968	858	978	760	560	3	1150

■ Above-mentioned H are the standard size
■ 上表所述H是標準尺寸

■ All dimensions in millimeters
■ 所有尺寸以mm表示



Drawings / Dimensions

風機外觀尺寸表

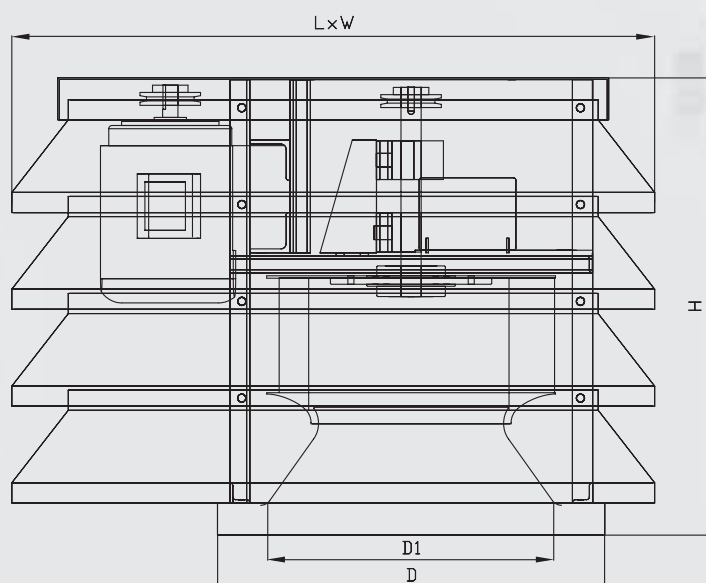
BELT DRIVE

皮帶式風機

型號	L	W	H	D	D1
RCL-250-B	730	540	407	380	258
RCL-280-B	810	600	454	425	287
RCL-315-B	920	680	512	480	323
RCL-355-B	797	544	567	480	355
RCL-400-B	895	610	640	540	400
RCL-450-B	1010	690	720	610	450
RCL-500-B	1120	765	800	680	500
RCL-560-B	1250	860	890	760	560
RCL-630-B	1410	960	1000	850	630
RCL-710-B	1590	1090	1130	960	710
RCL-800-B	1790	1225	1270	1080	800
RCL-900-B	2020	1380	1430	1220	900
RCL-1000-B	2240	1530	1600	1350	1000
RCL-1120-B	2510	1715	1780	1520	1120
RCL-1250-B	2800	1915	2000	1690	1250
RCL-1330-B	2985	2038	2110	1800	1330
RCL-1400-B	3140	2145	2230	1890	1400
RCL-1500-B	3365	2298	2390	2030	1500
RCL-1600-B	3590	2450	2550	2160	1600

■ Above-mentioned H are the standard size
■ 上表所述H是標準尺寸

■ All dimensions in millimeters
■ 所有尺寸以mm表示











THE FLOWTECH GROUP

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CNo.:CAT-RCL-March 2026

AGENT(經銷商):