SWAN
天 鵝 牌 空 壓 機

無油渦卷式空壓機

Scroll Oil-less Air Compressor

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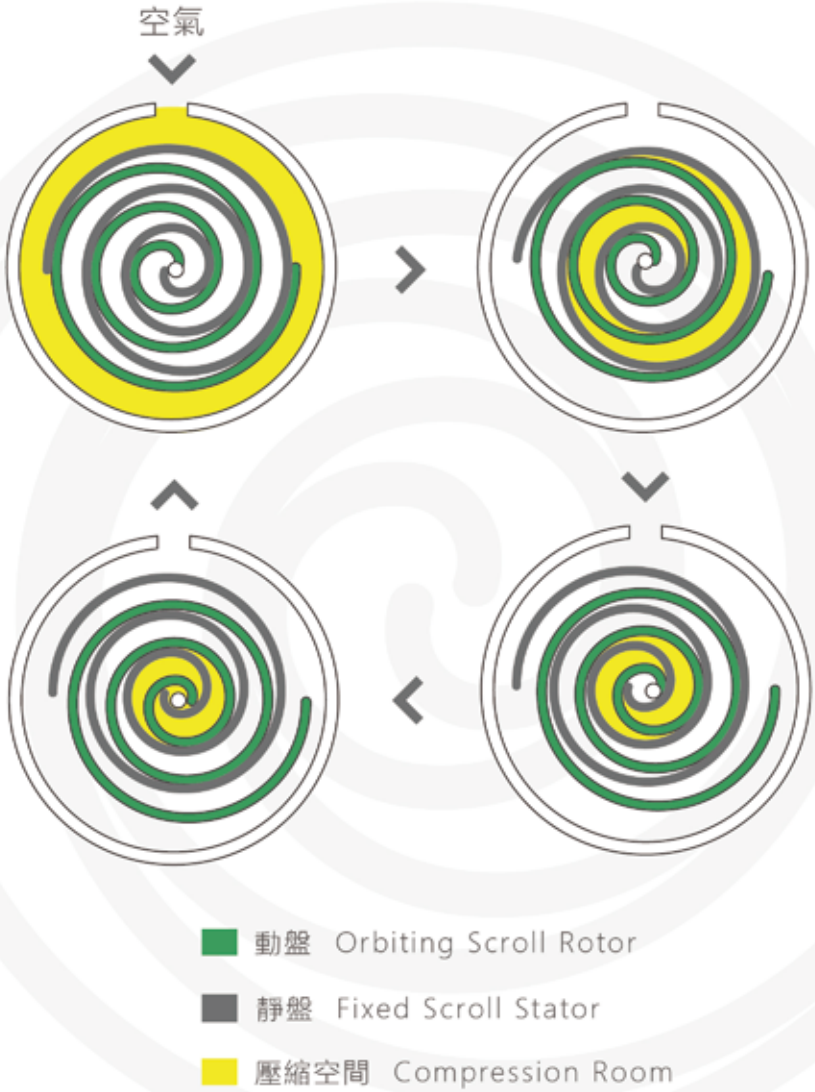
運作原理 Principle Of Operation

渦卷式空氣壓縮機由兩個渦卷體組合而成，分成動盤(旋轉渦卷)與靜盤(固定渦卷)，其壓縮空氣的作用原理，係利用兩個渦卷體旋轉時產生之容積縮小變化，使機體頂部吸入的空氣得到壓縮，以達到設定之工作壓力，並由中心部出口孔排出。

The scroll compressor is composed by one orbiting scroll and one fixed scroll. During the air compressing cycle, the suction free air from the top port of the scroll is compressed due to the reduced volume between the orbiting scroll and the fixed scroll while rotating. The high pressured air is discharged through the scrolls center port.



特 性 Features

高效率
High Efficiency

渦卷式空壓機運轉時，高壓區與低壓區的洩氣量近乎於0，加上吸入與吐出口各自區隔，達到壓縮空氣零洩漏且高效率的運作。
When the scroll air compressor is running, the air leakage in the high-pressure zone and low-pressure zone is close to zero. In addition, the suction and discharge outlets are separated to achieve zero leakage of compressed air. To achieve high efficiency.

易維護
Easy to Maintain

渦卷式空壓機精心設計的結構使維護方便，並以最少的零件組成，替您減省保修費用。
The well-designed structure of the scroll air compressor makes it easy to maintain, and is composed of a minimum of parts. Through smooth operation, low wear, long life and high durability, it can also save you additional maintenace costs.

低震動、低噪音
Low Vibration、Low Noise

渦卷式空壓機的壓縮方式，其扭轉扭距變動小，有低噪音及低震動的特性，如會議室環境般安靜。
The compression method of the scroll air compressor has small torsional torque fluctuations, inherent low noise and low vibration characteristics, and is as quiet as a conference room environment.

無油渦卷單機式空壓機

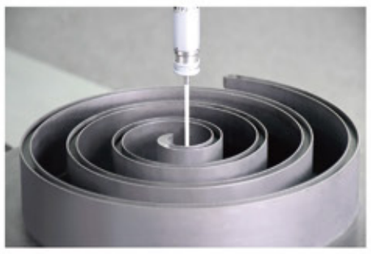
Scroll Oil-less Simplex Air Compressor

SKR-02A

SKR-06C

SKR-04E

結構 Structure



渦卷機體 Scroll Air End

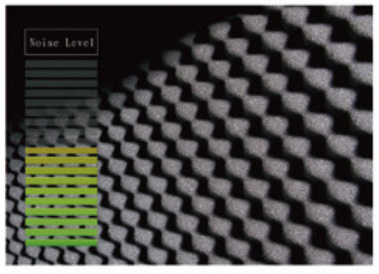
低震動、低噪音，提供您更舒適的工作環境。
Low vibration and low noise, provide you with a comfortable working environment.

鋁鰭片冷卻器 Aluminum Fin Cooler

運用高效率鋁鰭片冷卻器及自身輪葉風扇散熱，大幅降低排氣溫度，使空壓機運轉更穩定、壽命更長。
High efficiency aluminum fin cooler, the vane fan dissipate heat effectively, and greatly reduce the temperature in the cabinet, that benefits to the air compressor withstand constant running, more stable with longer service life.

桶上設計(僅SKR-A/E系列機型)
Air receiver mounting type (only SKR-A/E series)

桶上機一體式設計，替您節省設置空間。
The integrated design that saves installation space.



靜音箱型設計 Silent Cabinet Type Design

採用結實板金結構與吸音棉與高效能防音設計，有效降低運轉噪音和震動。
Adopt strong sheet metal structure, sound-absorbing material, and high efficiency soundproof design to effectively reduce running noise and vibration.

無油渦卷多機式空壓機
Scroll Oil-less Multiple Air Compressor

SKR-30M

SKR-30R

結構 Structure

堅固結構設計 Multi-air Ends Sturdy Structure

結實板金結構，能夠穩固將多個空壓機體組合一體，減少空間占比、提供工作效率。
The strong sheet metal structure can steadily combine multiple air ends to save the space and improve work efficiency.

智慧控制器 Smart Controller

智慧型自動控制，多機搭配可依照用量調整，配置最優化的運轉效能。
According to different air discharge quantity the Smart Controller adjust the running units to be simplex or multiple operation units ; available for remote control, configure and optimize the operation performance.

規格 Specs. / 型式 Model	馬　力 Motor (kW/HP)		使用壓力 Working Pressure (kg/cm^2)	排氣量 F.A.D. (l/min)	儲氣桶容量 Tank Capacity (liter)	尺　寸 Dimension LxWxH (mm)
桶上箱型渦卷式無油空壓機 Scroll Oil-Less Air Compressors (Cabinet Type Mounted On The Air Receiver)						
SKR-02A-155	2.2	3	8	240	155	1477X600X1385
SKR-02A-237			10	210	237	1515X600X1455
SKR-04A-240	3.7	5	8	400	240	1525X600X1530
SKR-06A-300	5.5	7.5	8	600	300	1845X600X1465
SKR-06A-237			10	470	237	1515X600X1455
箱型渦卷式無油空壓機 Scroll Oil-Less Air Compressors (Cabinet Type)						
SKR-02C	2.2	3	8	240	-	850X600X930
			10	210		
SKR-04C	3.7	5	8	400	-	850X600X930
SKR-06C	5.5	7.5	8	600	-	850X600X930
			10	470		
多機體箱型渦卷式無油空壓機 Scroll Oil-Less Air Compressors (Multiple Units Combined In The Cabinet)						
SKR-06M	2.2x2	3x2	8	480	-	1200X800X955
			10	420		
SKR-10M	3.7x2	5x2	8	800	-	1200X800X955
			10	680		
SKR-15M	5.5x2	7.5x2	8	1200	-	1200X800X955
			10	940		
SKR-20M	5.5x3	7.5x3	8	1800	-	1200X800X1370
			10	1410		
SKR-30M	5.5x4	7.5x4	8	2400	-	1200X800X1785
			10	1880		
開放型渦卷式無油空壓機Scroll Oil-less Air Compressors (Stationary Open Type)						
SKR-02E	2.2	3	8	240	-	1490X600X930
			10	210		1540X600X930
SKR-04E	3.7	5	8	400	-	1540X600X930
SKR-06E	5.5	7.5	8	600	-	1850X600X930
			10	470		1540X600X930
多機體開放型渦卷式無油空壓機 Scroll Oil-less Air Compressors (Open Type, Multiple Units Combined)						
SKR-10R	3.7x2	5x2	8	800	-	1434X600X1000
SKR-15R	3.7x3	5x3	8	1200	-	1434X600X1469
	5.5x2	7.5x2	10	940		
SKR-20R	3.7x4	5x4	8	1600	-	1434X600X1937
SKR-23R	5.5x3	7.5x3	8	1800	-	1434X600X1469
			10	1410		
SKR-30R	5.5x4	7.5x4	8	2400	-	1434X600X1937
			10	1880		

※本公司不斷研究改進，規格數據若有變更，恕不另行通知。
※如有規格外之壓力、馬力、排氣量等其他需求，歡迎您與本公司洽詢!
※Reserve the right to alter design or specifications. Due to time lag, actual specification may differ from that shown above.
※Other specific requirement about working pressure, horsepower, air delivery, etc. are available upon request.

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