

N TYPE Series Air Cooled Piston Compressors 系列空氣壓縮機



**Innovation, Automatic Control,
Easy Maintenance**

創新、自動控制與簡易維修



SWAN
AIR COMPRESSORS

Special Features of Swan's N TYPE Compressors

N TYPE 獨家專利與強制式潤滑系統特點

Full combination of professional and unique technical design to lubricate all running parts inside the pump with enforced clean oil.

- Special oil carried inside the crankshaft to ensure sufficient and clean lubrication
- Built-in enforced lubricating system to guarantee full lubrication without failure.
- Long-last oil filter and oil capillary pipes to ensure the supply of clean oil.

專業與技術的極致，潔淨強制潤滑機構

- 特殊貯油式曲軸設計，即時得到充分的潔淨潤滑。
- 內藏型強制潤滑系統，簡潔確實，確保充分潤滑的有效性。
- 長效性的潤滑油過濾器與曲軸的導油管設計，確保潤滑油的潔淨。



SVU-205N

Well Spread Oil Film

強均勻潔淨的油膜

Oil Pressure Gauge

潤滑油壓力錶

Provide Immediate Lubrication

With lubricant being always kept and pumped throughout the whole lubricating system.

即時提供潤滑油

預藏型曲軸設計，儲存潤滑油。

Oil Pump

Greatly reducing oil consumption by supplying appropriate lubricant.

潤滑油幫浦

提供適量適壓之潤滑油，減少潤滑油消耗量。

High Efficient Valve Assy

高效率進排氣閥組

Precise Oil Pressure Switch

Oil alert – avoid any possibility of the compressor being blocked due to failure in lubricating.

精確的失油開關

失油開關保護，免束心之慮。

Simple And Concise Appearance

With built-in lubricating mechanism.

造型簡潔

內藏型潤滑機構，外型簡潔美觀。

Powerful Cooling Fan

強力散熱風扇

Oil Capillary Pipe

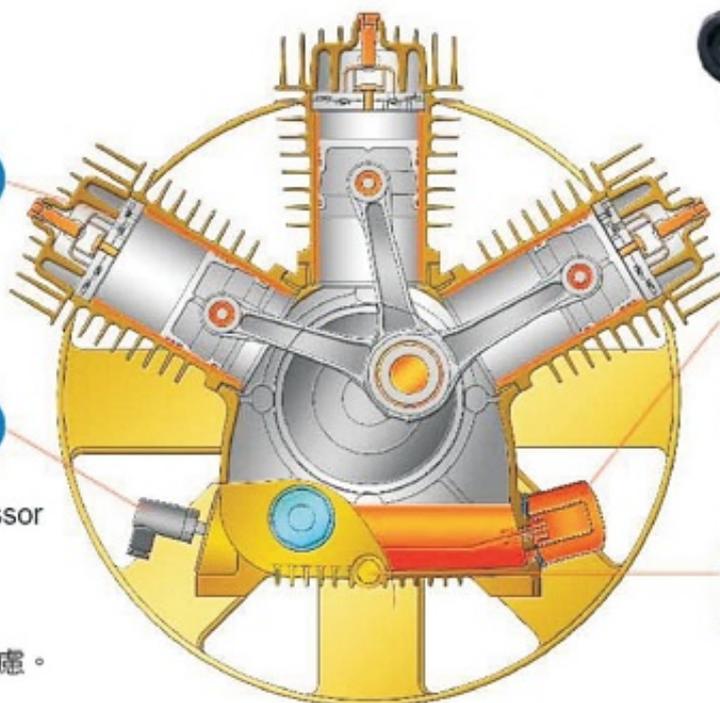
To provide clean lubricants. Equipped with oil filter and guide-piping to extend the service life of running parts.

導油管設計

提供潔淨潤滑油，增設過濾器與導油管，防止污物磨損機件。

Enforced-lubrication Crankshaft

強制潤滑型曲軸



SWU-310N

Long-lasting Oil Filter

Ensure clean lubricating oil by equipping with oil filter.

長效性潤滑油過濾系統

設有過濾裝置，提供潔淨潤滑油。

Crankcase With Ample Oil reservoir Design

曲軸箱具有大型儲油槽設計。

Unique Components and Mechanism

獨特零組件與機械設計



Product quality guaranteed through the application of modern technology such as CAD-CAM software, that are widely used in all areas from product development, modeling and design, to the manufacturing process. 以CAD-CAM進行分析、模擬、設計、製造、品質的發展從設計開始。



Highly efficient and durable valve assemblies are produced through the use of special heat treatments and high precision grinding processes.

經熱處理及精密研磨的進排氣閥組，注意每環節確保效率與壽命。



SWU-415N



High quality and consistent components are manufactured through machining centers which typically are capable of completing a finished surface in a single set-up. 以大型自動加工中心機進行精密加工，一次夾持完成各加工面，確保精度一致性。



All compressor surfaces and air tanks are prepared by initially shot blasting, followed by the application of powder coating to ensure bright, durable and environmentally friendly surface protection. 鋼珠噴砂處理，自動粉體塗裝；注重環保並確保外觀晶亮耐久。

Compressor Pumps

壓縮機機體

SWAN is dedicated to providing a full products line and to satisfy diverse customers' needs.

“堅持品質、不斷創新、永續服務”
是SWAN對客戶支持的回報，也是對客戶不變的承諾！



HVU-205N



HWU-307N
HWU-310N



HWU-415N

N Series

N系列 氣冷移動式

SWAN air compressors has been devoting to the development, production and rigorous quality control of all types of air compressors since its establishment in 1956. SWAN air compressors are used in a wide range of industries and get well-known reputation of high quality, reliability and durability.

1956年成立以來，SWAN以豐富的經驗、精進的技術、持續的研究，生產好品質、高可靠、長耐用的空氣壓縮機，獲得客戶的滿意與支持，並依客戶需求提供ODM/OEM特製產品。



SVU-205N



SWU-310N



HVU-205N



HWU-415N

Model 型式	Specs 規格		Motor (kw/hp) 馬 達	Working Pressure (kg/cm ² .g) 使用壓力	Speed (r.p.m) 轉 速		F.A.D. (l/min) 實際排氣量		Tank Capacity (liter) 儲氣桶容量	Compressor Pumps Physical Dimensions 機體實體尺寸		Compressor Units Physical Dimensions 整台實體尺寸	
					50HZ	60HZ	50HZ	60HZ		LxWxH(mm)	重量(kg)	LxWxH(mm)	重量(kg)
SVU-205N	3.7	5	8		516	620	450	545	155	560x400x450	70	1400x520x980	182
SWU-307N	5.5	7.5			706	850	723	872	240	650x460x550	93	1470x650x1150	243
SWU-310N	7.5	10			706	850	955	1151	300	700x460x560	95	1835x650x1200	263
SWU-415N	11	15			706	850	1229	1480	300	700x520x550	118	1835x650x1200	290
HVU-205N	3.7	5	16		750	900	338	406	237	560x400x450	70	1470x650x1150	239
HWU-307N	5.5	7.5			706	850	503	606	237	650x460x550	93	1470x650x1150	273
HWU-310N	7.5	10			706	850	652	786	237	700x460x550	95	1470x650x1150	275
HWU-415N	11	15	12		706	850	929	1120	300	700x520x550	118	1835x650x1200	365
HWU-307NH	5.5	7.5	30		560	700	277	346	310	700x450x560	94	1850x650x1160	273
HWU-310NH	7.5	10			560	700	371	464	310	700x450x560	95	1850x650x1160	275

※ Keep on developing for excellence, we reserve the right to alter specifications without prior notice.
 ※ Other special air discharge quantity, pressure and drive type are available upon request.

※ 本公司不斷研究改進，規格如有變更，恕不另行通知。
 ※ 規格外之壓力、排氣量、空壓設備，詳細資料歡迎與本公司洽詢。

Smart Controller

智慧型面板



復歸鍵 停止鍵 啟動鍵

Power Indicator 電源指示燈
Stop Indicator 停止指示燈
Start Indicator 運轉指示燈
Stand-by Indicator 備機指示燈

● **Overload Indicator**
O.L 電流過負載指示燈
● **Low oil Pressure Indicator**
A.1 失油保護指示燈
● **Remote-control Indicator**
R/L 遠端操作指示燈

- The distinctive and high efficient design enable to eliminate wearing damages to all mechanical parts during ON/OFF and loading / unloading operations. 特殊的設計，在空車啟動與空車停機時降低磨擦阻力對機械的傷害。
- The user friendly control system can monitor exactly the running conditions of the remote compressors. 本機、遠端彈性化操控，選擇更人性化。
- Intelligent control system is able to self-adjust to execute automatic or semi-automatic control mode. 智慧型自動控制，可自動調節為全自動或半自動操作模式。
- Multiple protective system and intimate design to completely meet customers' requirements. 貼心設計，多重保護控制系統功能。
- Simple and visible indicator lights. 操控面板指示燈顯示運轉狀態。

Compressed Air Cleaning System

空氣清淨化系統

Features

- Comprehensive range of filters to meet requirements from different industrial users.
- We supply different grade of air filtrating systems to meet various applications.

特點

- 配合不同工業用戶需求，提供各種樣式過濾器組合。
- 因應客戶不同的用途，不同的清淨化需求，提供不同等級的過濾系統。



Recommended Air Combination 標準組合選配表

Item 項目	Model 型式	Specs. 規格					
		SVU-205N	SWU-307N SWU-310N	SWU-415N			
Main Line Filter 管路過濾器	---	---	ARF 15A	Flow Rate(m ³ /min) 處理量	0.6	1.2	1.6
Air Dryer 冷凍式乾燥機	SDE-4E SDE-8E SDE-11E	Dew Point 出口露點	3~15°C	Inlet Temp 入口溫度	Max.80°C	Ambient Temp 環境溫度	2~43°C
Oil Removal Filter 油霧過濾器	ARB 04A ARB 08A ARB 15A	W.P.(bar) 工作壓力	2~10	In/Out 管徑	1/2" ∅ 3/4" ∅ 1" ∅	Power 電源	1 1 1
Micro Filter 精密過濾器	ARA 04A ARA 08A ARA 15A	Type of Refrigerant 冷媒型式	R-134A R-134A R-407C	L(mm) 長	254 254 244	Size W(mm) 尺寸 寬	722 722 797
		H(mm) 高	515 515 626	Weight(kg) 重量	34 34 40	Applicable Ranges(hp) 適用馬力	5 5~10 10~15



※Standard products supplied with 220V, and refer to us for the different voltage or higher capacity and urgent delivery.

※Keep on searching for excellence, we reserve the right to alter specifications without prior notice.

※標準電壓220V，異電壓部份與處理量較大之規範或交期請洽本公司。

※本公司不斷研究改進，規格如有變更，恕不另行通知。

5~15HP **Excellent Efficiency** **Superior Performance**

運轉高效率 實用高性能



CE



ISO 9001:2008



Since **1956**

www.swanair.com.tw



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Smart Controller 智慧型面板



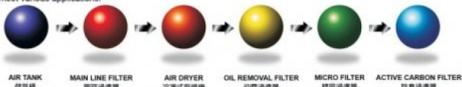
- Power Indicator** 電源指示燈
- Stop Indicator** 停止指示燈
- Start Indicator** 運轉指示燈
- Stand-by Indicator** 待機指示燈
- Overload Indicator** 過載指示燈
- O.L.** 電氣過載指示燈
- Low oil Pressure Indicator** 低油壓指示燈
- A-1** 安全保護指示燈
- Remote-control Indicator** 遙控操作指示燈
- R.L.** 遙控操作指示燈

- The distinctive and high efficient design enable to eliminate wearing damages to all mechanical parts during ON/OFF and loading / unloading operations. 特殊設計，在空壓機啟動與空壓機停機時降低磨損阻力對機械的傷害。
- The user friendly control system can monitor exactly the running conditions of the remote compressors. 友善的人機介面系統，可準確監控遠端空壓機之運行狀況。
- Intelligent control system is able to self-adjust to execute automatic or semi-automatic control mode. 智慧自動控制系統，可自動調整為全自動或半自動操作模式。
- Multiple protective system and intimate design to completely meet customers' requirements. 精心設計，多層保護系統與貼近客戶需求。
- Simple and visible indicator lights. 簡便顯而易見之指示燈。

Compressed Air Cleaning System 空氣淨化系統

- Comprehensive range of filters to meet requirements from different industrial users.
- We supply different grade of air filtering systems to meet various applications.

- 配合不同工業用戶需求，提供各種樣式過濾器組合。
- 因應客戶不同的用途、不同的淨化需求，提供不同等級的過濾系統。



Recommended Air Filtration Combination 標準組合清單

Model 型號	SVA200	SVA300	SVA400	SVA500	SVA600	SVA700	SVA800	SVA900	SVA1000
Item 項目	SVA200	SVA300	SVA400	SVA500	SVA600	SVA700	SVA800	SVA900	SVA1000
Main Line Filter 管路過濾器	—	—	—	ARP 15A					
Air Dryer 冷凍式乾燥機	SDE-4E	SDE-6E	SDE-8E	SDE-11E	SDE-11E	SDE-15E	SDE-15E	SDE-15E	SDE-15E
Oil Removal Filter 油霧過濾器	ARB 04A	ARB 06A	ARB 08A	ARB 15A					
Micro Filter 精密過濾器	ARA 04A	ARA 06A	ARA 08A	ARA 15A					
MAIN LINE FILTER 管路過濾器	—	—	—	—	—	—	—	—	—
AIR TANK 氣瓶	—	—	—	—	—	—	—	—	—
OIL REMOVAL FILTER 油霧過濾器	—	—	—	—	—	—	—	—	—
AIR COMPRESSOR 空壓機	—	—	—	—	—	—	—	—	—
Type of Refrigerant 冷媒型式	R-134A	R-134A	R-134A	R-407C	R-407C	R-407C	R-407C	R-407C	R-407C
Capacity 容量	0.6	1.2	1.6	2.4	2.4	2.4	2.4	2.4	2.4
Flow Rate/Min 流量	0.6	1.2	1.6	2.4	2.4	2.4	2.4	2.4	2.4
Dew Point 出口露點	3-15°C								
Inlet Temp 入口溫度	Max. 80°C								
Ambient Temp 環境溫度	2-43°C								
W.P.(bar) 工作壓力	2-10	2-10	2-10	2-10	2-10	2-10	2-10	2-10	2-10
In/Out 管徑	1/2"Ø	3/4"Ø	1"Ø						
Power 電源	1	1	1	1	1	1	1	1	1
Size (mm) 尺寸	254	254	244	254	254	254	254	254	254
Length 長度	254	254	244	254	254	254	254	254	254
Width 寬度	722	722	797	797	797	797	797	797	797
Height 高度	515	515	626	626	626	626	626	626	626
Weight(kg) 重量	34	34	40	42	42	42	42	42	42
Applike-Range 適用馬力(hp)	5	5-10	10-15	10-20	10-20	10-20	10-20	10-20	10-20

Standard products supplied with 220V, and refer to us for the different voltage or higher capacity need urgent delivery. 標準產品電力220V，具體需求請向我們索取大尺寸規格或更高容量本公司。 本公司不備研究改進，規格如有變更，恕不另行通知。

TC20112A8

Smart

1/4HP~20HP

Safety Reliable 耐久使用 保養簡單

SWAN Air Cooled Piston Compressor 天鵝牌空壓機



Since 1956
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Brand You Know Performance You Trust
優質、專業、新活力



TC20112A8

Smart Controller

智慧型面板



- Power Indicator** 電源指示燈
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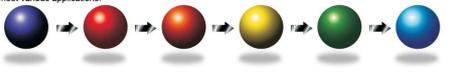
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Recommended Air Filtration Combination

Model 型號	SVM-205	SVM-307	SVM-310	SVM-415	SVM-215	SVM-220
Item 項目	SVP-205	SVP-307	SVP-310	SVP-415	SVP-215	SVP-220
Main Line Filter 管路過濾器	—	—	—	ARP-15A	ARP-15A	ARP-15A
Air Dryer 冷凍式乾燥機	SDE-4E	SDE-8E	SDE-8E	SDE-11E	SDE-11E	SDE-15E
Oil Removal Filter 油霧過濾器	ARB-0A4	ARB-0A8	ARB-0A8	ARB-15A	ARB-15A	ARB-15A
Micro Filter 精密過濾器	ARA-0A4	ARA-0A8	ARA-0A8	ARA-15A	ARA-15A	ARA-15A
MAIN LINE FILTER 管路過濾器	—	—	—	—	—	—
AIR TANK 儲氣罐	—	—	—	—	—	—
AIR COMPRESSOR 空氣壓縮機	—	—	—	—	—	—
Type of Refrigerant 冷媒型式	R-134A	R-134A	R-134A	R-407C	R-407C	R-407C
Flow Rate (l/min) 處理量	0.6	1.2	1.6	2.4	—	—
Dew Point 出口露點	—	—	—	3~15°C	—	—
Inlet Temp 入口溫度	—	—	—	Max. 80°C	—	—
Ambient Temp 環境溫度	—	—	—	2~43°C	—	—
W.P.(bar) 工作壓力	—	—	—	2~10	—	—
In/Out 管徑	1/2"Ø	3/4"Ø	1"Ø	1"Ø	1"Ø	1"Ø
Power 電壓	1	1	1	1	1	1
Size (mm) 尺寸	254	254	244	254	—	—
Weight(kg) 重量	515	515	626	626	—	—
Input(kg/h) 適用馬力(hp)	5	5~10	10~15	10~20	—	—

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TC00172A/B

Smart

1/4HP~20HP

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Brand You Know
Performance You Trust
優質、專業、新活力



TC00172A/B

SWAN Air Cooled Piston Compressors

天鵝牌空氣壓縮機



Patented easy access drain mechanism mounted on top of the air tank for easy periodical maintenance.
獨家專利罐上放水，方便清除罐內的冷凝水。

Smart controller.
Suitable for all industrial users.
智慧型全自動控制操作簡單，更適合各行各業的作業條件。



Special Features For SVU(P)-215/220

SVU(P)-215/220獨家專利與特點



Guide plate for cooling air flow ensures better cooling effects!
設置導流板提高冷卻效率，增加壓縮熱源冷卻效果，大幅降低壓縮熱的溫度。



New breather design and unique oil mist collection mechanism ensures the lowest oil consumption!
獨特的加壓通氣管設計，確保冷凝油不積滯，減少潤滑油的損失，潤滑油色澤保持亮。



Low oil pressure protection
失油保護開關



Special oil return pipe design to reduce possible oil splashing!
潤滑油回油特殊設計，減少內部潤滑油飛濺，降低壓縮空氣含油量。



Spec. Model 規格 型號	Motor (kw/HP) 馬達	Working Pressure (kg/cm ² /p.s.i) 使用壓力	Speed (r.p.m) 轉速	F.A.D. (m ³ /min) 實際排氣量	Tank Capacity (litre) 儲氣罐容量	Compressor Blocks Physical Dimensions (LxWxD)(mm) 儲氣罐尺寸 (長度x寬度x高度)	Compressor Units Physical Dimensions (LxWxD)(mm) 儲氣罐尺寸 (長度x寬度x高度)
SVU(P)-215	11 15	8	550	1520	400	910x700x80	820x300x180
SVU(P)-220	15 20	8	710	2000	400	910x700x80	820x300x180

*Keep on developing for excellence, we reserve the right to alter specifications without prior notice.
※(For special air discharge quantity, pressure and drive type are available upon request.)
※本公司不斷研發新產品，規格如有變更，恕不另行通知。
※規格外之壓力、儲氣量、空壓設備、詳細資料請致本公司查詢。

S Series

S系列 氣冷移動式

Unique Components and Mechanism

獨特配件與功能



Highly efficient and durable valve assemblies are provided through the use of special material treatments and high precision grinding processes.
經熱處理及精密研磨的進排氣閥組，注意每環均確保效率與壽命。



High quality and consistent components are manufactured through machining centers which typically are capable of completing a finished surface in a single set-up.
以大型自動加工中心機進行精密加工，一次夾持完成各加工面，確保精確的一致性。



Product quality guaranteed through the application of modern technology such as CAD/CAM that is used in all functions from product development, modeling and design, right through to the manufacturing process.
以CAD/CAM進行分析、保護、設計、製造、品質的強後從設計開始。



Compressor Pump Only

壓縮機機體



All metal surfaces on compressor units are prepared by initially shot blasting, followed by the application of powder coating to ensure bright, durable and environmentally friendly air tank surface protection.
機殼採用噴砂+自動噴漆塗裝，注重環保並確保外觀美觀持久。

Spec. Model 規格 型號	Motor (kw/HP) 馬達	Working Pressure (kg/cm ² /p.s.i) 使用壓力	Speed (r.p.m) 轉速	F.A.D. (m ³ /min) 實際排氣量	Tank Capacity (litre) 儲氣罐容量	Compressor Blocks Physical Dimensions (LxWxD)(mm) 儲氣罐尺寸 (長度x寬度x高度)	Compressor Units Physical Dimensions (LxWxD)(mm) 儲氣罐尺寸 (長度x寬度x高度)
SP-114	0.2 1/4	12	675	36	36	160x200x250	6.2 770x260x55
SVU-212	0.4 1/2	12	700	76	56	330x260x265	14.6 940x320x70
SVU(P)-201	0.75 1	2	1020	140	85	300x260x350	21 1000x400x80
SVU(P)-202	1.5 2	2	880	225	85	410x260x350	25 1000x400x80
SVU(P)-203	2.2 3	8	650	355	108	540x400x450	51 1330x500x80
SVU(P)-206	3.7 5	8	620	545	155	500x400x450	70 1400x500x80
SWU(P)-307	5.5 7.5	10	850	872	240	650x400x450	93 1400x500x100
SWU(P)-310	7.5 10	10	850	1151	300	700x400x450	95 1515x500x100
SWU(P)-415	11 15	15	850	1480	300	700x400x450	118 1650x500x100

H Series

H系列 氣冷移動式

Insist on the best and prestige comes from 60 years' experience and persistence.
一甲子專業經驗與最佳品質。



Spec. Model 規格 型號	Motor (kw/HP) 馬達	Working Pressure (kg/cm ² /p.s.i) 使用壓力	Speed (r.p.m) 轉速	F.A.D. (m ³ /min) 實際排氣量	Tank Capacity (litre) 儲氣罐容量	Compressor Blocks Physical Dimensions (LxWxD)(mm) 儲氣罐尺寸 (長度x寬度x高度)	Compressor Units Physical Dimensions (LxWxD)(mm) 儲氣罐尺寸 (長度x寬度x高度)
HWU(P)-203	2.2 3	3	900	270	270	500x300x400	47 1070x500x100
HWU(P)-205	3.7 5	5	900	406	237	500x300x460	67 1070x500x100
HWU(P)-307	5.5 7.5	7.5	850	606	237	620x400x460	83 1070x500x100
HWU(P)-310	7.5 10	10	850	786	237	620x400x460	103 1070x500x100
HWU(P)-415	11 15	15	850	1120	300	680x400x460	116 1300x500x100
HWU(P)-215	11 15	15	710	1004	300	680x400x460	230 1300x500x100

Model Selection

Define the predicted air volume requirement, plus 30% additional to select for an appropriate compressor model.
Consider any predictable increase in air volume demand, such as increasing automatic equipment in the future.
The correct selection will minimize capital and power consumption costs.

節能省電

• 此款系列機體並選擇至少有30%餘裕之機型。
• 請考慮將來自動設備增加，壓縮空氣使用量增多的情況，並操作規劃。
• 儘量選擇正確與否影響設備成本及電費。

Control System Selection

• **Automatic Unloader System "U" Type**
Through automatic unloading system allows for the control of loaded and unloaded compressor status through a range of pre-set pressure values. This system is recommended where the duty cycle exceeds 50%, and for all larger compressors units.
• **Pressure Switch System "P" Type**
The automatic pressure switch will stop and start the compressor according to air demand. It is normally recommended for intermittent operation and smaller compressor units.

• **U Type & P Type Interchangeable System**
The integration of pressure switch, solenoid valve and smart IC controller allows air compressor to switch U type system and P type system automatically according to the air volume requirement, ensuring best efficiency. (For SVU(P)-215, SVU(P)-220, SWU(P)-415, HWU(P)-215 and HWU(P)-415 only.)
• The correct selection will extend compressor's service life and reduce power consumption.

操作靈活

• U型：用自動釋壓控制空壓機的開、關，適用於較大馬力機型及連續運轉型。
• P型：用壓力開關控制空壓機的停車及再啟動，適用於較小馬力機型及間歇運轉型。
• U&P共用型：用壓力開關與電磁閥，結合智慧型IC控制器，空壓機可依空氣流量需求自動開、關、半自動，最佳運轉效能。
(此種選擇型SVU(P)-215、SVU(P)-220、SWU(P)-415、HWU(P)-215、HWU(P)-415。)
• 款式選擇正確與否影響空壓機壽命及電費。

AIR COOLED PISTON COMPRESSORS



Highly efficient and durable valve assemblies are provided through the use of special material treatments and high precision grinding processes.



Product quality guaranteed through the application of modern technology such as CAD/CAM that is used in all functions from product development, modeling and design, right through to the manufacturing process.



SVP-215, 220



High quality and consistent components are maintained through the use of Numerically Controlled Machine Centers which typically are capable of completing a finished surface in a single pass.



All metal surfaces on compressor units are prepared by initially shot blasting, followed by the application of powder coating to ensure you of a bright, durable and environmentally friendly surface protection.



SW-310

BARE HEAD



HV-205

Specification		MODEL	S SERIES, AIR COOLED PORTABLE TYPE					
			SVP-202	SVP-203	SVP-205	SWP-310 SWU-310	SWP-415 SWU-415	SVU-220
Motor	kw		1.5	2.2	3.7	7.5	11	15
	hp		2	3	5	10	15	20
Working Pressure	kg/cm ² /lb/in ²		8 / 115	8 / 115	8 / 115	8 / 115	8 / 115	7 / 100
Compressor Speed	rpm		880	650	620	850	850	710
F.A.D	l/min		225	355	545	1151	1480	2000
Tank Capacity	liter		85	106	155	300	300	400
Compressor Block Physical Dimension	LxWxH cm		41x29x35	54x40x45	56x40x45	70x46x56	70x52x55	91x76x86
	kg		25	51	70	95	118	265
Compressor Unit Physical Dimension	LxWxH cm		100x44x78	135x45x84	140x52x98	183.5x65x120	183.5x65x120	165x75x148
	kg		62	110	168	250	275	560





40Kgs/cm² High Pressure Booster Compressors

Professional design and development for applications to PET bottles blowing, deep well drilling, special clamp mechanism, high-pressure press, testing, and leak testing etc.

Space saving and simple maintenance

- A solid stand design with anti-vibration that provides a stable operation and easy installation.
- Air-cooled compact design:with the large cooling fan, no extra power consumption in the cooler.
- No need installing foundation, can freely choose the appropriate place to install the SWAN Booster.
- Air-cooled SWAN Booster with compact size design is able to save or much more 50% of installation space.
- High-load resistant and simple structure design, with automatic oil recovery system,to be easy maintenance, and durable for long-term operation.

Higher efficiency, much more displacement

- Specifically designed for the purpose of high-pressure and supercharging.After cooling and drying of the inlet air, the compression efficiency of SWAN booster is much higher than multi-stage high pressure air compressors.
- The amount of air suction by SWAN Booster is bigger than the regular air compressor with same volume,its Free Air Delivery is bigger too.

Lower Capital Cost

- Flexible Air compression system designed to generate High pressure air with the existing low pressure air in the plant, no need to equip with two sets of independent high-pressure and low pressure system to save the cost.

Comprehensive protection and dual control systems

- Depend on your air consumption to switch either to automatic operation or continuous operation automatically.
- Shutdown protection when overload or lower oil pressure.
- With idle running design before shutdown or soft starting, to reduce worn-out of the related parts.

Superior Lubrication

- Oil pump with enforced-lubrication structure;Enforced lubrication and low-oil pressure protection design to make sure SWAN Booster to be well lubricated.
- SWAN Booster is equipped with oil filter device to ensure clean lubricant.
- SWAN booster is equipped with robust structure and loading-resistant design. The critical key components such as crankcase, cylinders, connecting rods, crank shaft..etc are all well approved.

BST-315 & BST-230

Product Specification

Specification		BST-315		BST-230	
Motor	K.W	7.5	11	19	22
	HP	10	15	25	30
Inlet Pressure	kg/cm ² .G	5 - 7			
Discharge Pressure	kg/cm ² .G	30		40	
Design Pressure	kg/cm ² .G	35		45	
Inlet Air Volume	l/min	1495	2616	3282	4012
F.A.D	l/min	1166	2040	2494	3049
Air Tank Capacity	Liter	310			

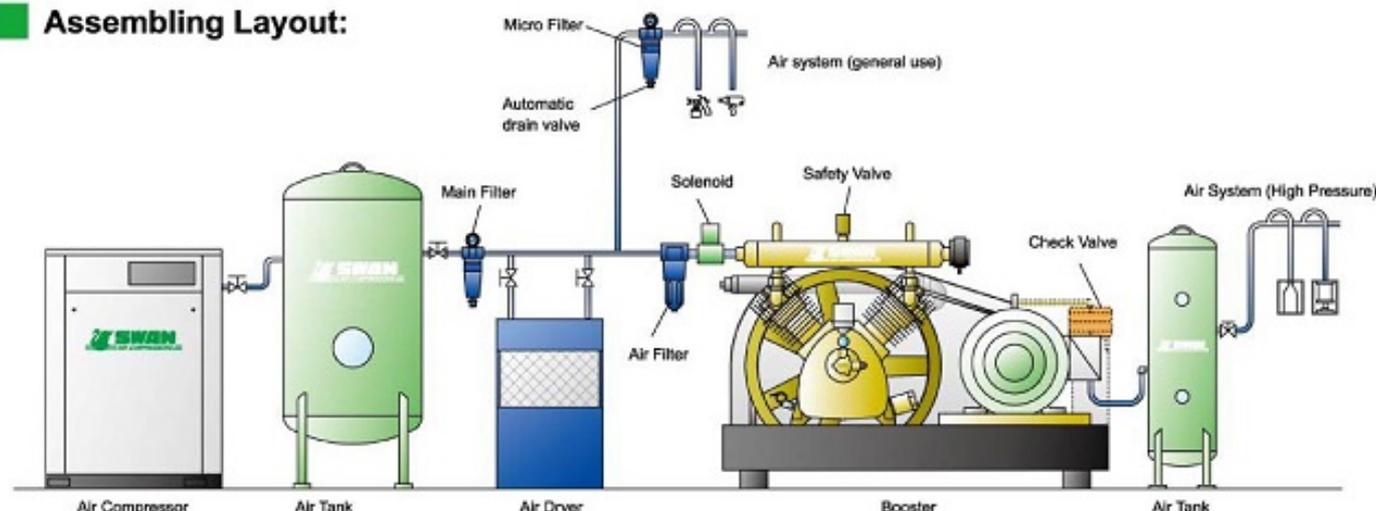


- ※ We welcome any required special specifications, please feel free to contact with us for further assistance.
- ※ We keep the rights for modifying specifications without further notice.

Comparison between SWAN BST series booster and general compressors

Products Specification	BST Series	General Compressors
Structure	Air cooled type, boosting design, oil pump enforced lubrication,removable.	multi-stage compression structures, oil pump enforced lubrication, fixed installing Foundation.
Compression	Low-pressure inlet air, single-stage compression	The inhaling air is from atmosphere, multi-stage compression
Energy efficiency	High efficiency, high displacement, energy saving	low efficiency, low displacement, wasting energy
Installation	Air cooled structure, no installing foundation needed, space-saving	Water-cooled, need to establish an installing foundation, water cooling system, large-space needed
environmental design	Low pollution, less noise	High pollution, noisy
Lubrication While starting	Crankshaft with oil storage design,can supply clean lubricant right away.	Can not supply lubricant in time.
Control mode	Automatically change to auto or Semi-auto mode due to different required air consuming quantity. No load while start /stop the unit to avoid parts worn-out,and increase running life-time.	With individual control and can not change the running condition automatically. Low energy efficiency.Under loading condition while start/stop the unit and not able to establish the lubricating Oil protection in time to increase Running life-time.

Assembling Layout:



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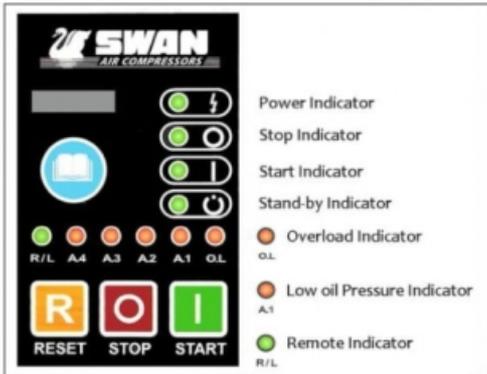
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ENFORCE-LUBRICATED AIR COMPRESSORS

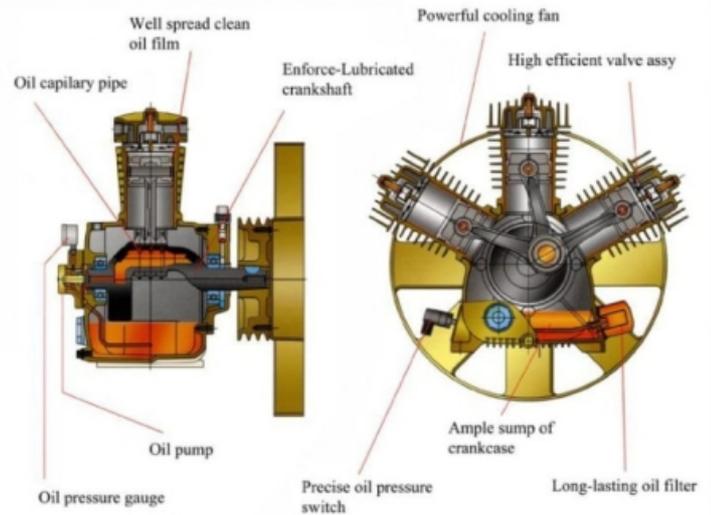


SWU-310N



The electronic self-diagnosis system and the control card with hour meter display exactly the running conditions of the compressor. Flexible switch into automatic or semi-automatic mode based on different need.

Available for five optional alert systems based on customers' need. Simple and visible indicator : User friendly.



Specification		MODEL	N SERIES, AIR COOLED PORTABLE TYPE							
			SVU-205N	SWU-307N	SWU-310N	SWU-415N	HVU-205N	HWU-307N	HWU-310N	HWU-415N
Motor	kw	3.7	5.5	7.5	11	3.7	5.5	7.5	11	
	hp	5	7.5	10	15	5	7.5	10	15	
Working Pressure	kg/cm ²	8	8	8	8	16	16	16	12	
Compressor Speed	rpm	620	850	850	850	620	850	850	850	
F.A.D	l/min	545	872	1151	1480	406	606	786	1120	
Tank Capacity	liter	155	240	300	300	237	237	237	300	
Compressor Block Physical Dimension	LxWxH cm	56x40x45	65x46x55	70x46x56	70x52x55	56x40x45	65x46x55	70x46x56	70x52x55	
	kg	70	93	95	118	70	93	95	118	
Compressor Unit Physical Dimension	LxWxH cm	140x52x98	147x65x115	183.5x65x120	183.5x65x120	147x65x115	147x65x115	147x65x115	183.5x65x120	
	kg	168	230	250	275	225	260	262	350	



OIL-LESS AIR COMPRESSORS



Features:

- No oil in the compressor. Completely eliminate oil from the compressed air system.
- Low maintenance and less operational costs.
- Air Receiver made by stainless steel or painted with powder coating for rustproof.
- Various options for different application.
- The best solution for pure, oil-less quality air.



Model		DR-115-22L	DR-115-30L	DR-115-50L	DT-175-2C	PV-202-30	PV-202-50D
Specification							
Motor	hp	1.5	1.5	1.5	1 x 2	2	2
Working Pressure	kg/cm ²	7	7	7	7	7	7
FAD	l/min	77	77	77	160	126	100
Dimension (LxWxH)	cm	61x30x60	41x40x88	41x40x103	66x56x84	45x42x73	63x45x91
Weight	kg	27	34	36.7	100	49	69
Tank Capacity	liter	22	30	50	39	30	50

OIL-LESS AIR COMPRESSORS



SDU-415



SDU-203



SDU-310
SDU-307



SDU-205

Specification Model	Motor	Working Pressure	FAD	Tank Capacity	Dimension (mm)			Weight
	hp	kg/cm ²	l/min	liter	L	W	H	kg
SDU-203	3	8	285	155	1400	520	950	150
SDU-205	5	8	485	240	1450	650	1000	230
SDU-307	7.5	8	730	300	1750	650	1300	250
SDU-310	10	8	885	300	1750	650	1300	250
SDU-415	15	8	1320	300	1750	650	1300	275

AIR COOLED PISTON COMPRESSORS



Model Selection

- Define the predicted air volume required, plus 30% to allow for an appropriate duty cycle.
- Consider any predictable future increase in air volume demand as a result of such things as increased automation equipment.
- The correct selection will minimize capital and power consumption costs.

Control System Selection

- **Automatic Unloader System "U" Type**
The automatic unloading system allows for the control of loaded and unloaded compressor states through a range of pre-set pressure values.
This system is recommended where the duty cycle exceeds 50%, and for all larger compressors units.
- **Pressure Switch System "P" Type**
The automatic pressure switch will stop and start the compressor according to air demand. It is normally recommended for intermittent operation and smaller compressor units.



HWP-310V



HVU-203E



HVP-203

Specification	MODEL	H SERIES, ENGINE, HV SERIES, AIR COOLED PORTABLE TYPE					
		HVU-203 HVP-203	HVU-203E	HVU-205E	HVP-205V	HWP-307V	HWP-310V
Motor / Engine	kw	2.2	Honda GX160	Yanmar L100	3.5	5.5	7.5
	hp	3	5.5	10	5	7.5	10
Working Pressure	kg/cm ² /lb/in ²	16 / 230	12 / 175	12 / 175	12 / 175	12 / 175	12 / 175
Compressor Speed	rpm	960	960	900	900	850	850
F.A.D	l/min	270	270	406	442	633	830
Tank Capacity	liter	237	175 / 237	237	250	250	250
Compressor Block Physical Dimension	LxWxH cm	50x33x40	50x33x40	56x38x46	56x38x46	62x48x53	65x48x54
	kg	47	47	67	67	93	95
Compressor Unit Physical Dimension	LxWxH cm	147x55x110	147x55x110	147x55x110	100x60x175	100x60x182	100x60x183
	kg	205	220	240			