

ECO-Efficient Compression: Reducing your Carbon Footprint

***ESG-Aligned Air Solutions:
Driving Sustainability***

***Reliable
Aftermarket
& Service***



SKY Air Compressor Range

- ▶ Pressure range
7 to 12. bar
- ▶ Volume flow
4.5 - 52.5 m³/min
- ▶ Motor Power
5.5kW - 400kW

***Fixed &
Variable Speed***

Oil-free Screw Blower BPM Series

■ Class 0 Oil-free

The special labyrinth and screw seal assembly ensure that the compression chamber is completely oil-free, reaching Class 0 level.

■ Low Energy Consumption

The oil-free screw blower is based on the principle of adiabatic compression with a total efficiency over 75%, which is 20-35% efficiency more than Roots Blowers. Higher discharge pressure, lower pressure pulsation.

■ Low Noise

Low aerodynamic noise, smooth output, waved inlet and discharge minimize airflow fluctuations, less noisy than traditional blowers.

■ Intelligent

Intelligent PLC Control, remotable and multiple language support, user-friendly.

■ Low Cost

Optimized structural design, stable operation, no foundation required, maximize customer's benefits.



As a new environmental protection and energy-saving product, oil-free screw blower is widely used in various industries of production and life. Especially in sewage treatment, textile, cement, chemical, power plant and other industries.



Application

- Sewage treatment industry
- Aeration
- Thermal power plant
- Cement industry
- Gas delivery
- Textile Engineering
- Filters backwash



Technical Parameters

Model	Power (kW)	Pressure (bar/kpa)	Air Delivery (m ³ /min)	Pipe Diameter	Dimension(mm)	Weight (kg)					
SK5.5BPM	5.5	0.4/40	4.0	DN150	1400*1100*1360	700					
		0.6/60	3.2								
SK7.5BPM	7.5	0.4/40	6.4	DN150	1400*1100*1360	750					
		0.6/60	4.6								
		0.8/80	3.5								
SK11BPM	11	0.4/40	9.0	DN150	1400*1100*1360	800					
		0.6/60	7.5								
		0.8/80	6.0								
		1.0/100	4.8								
		1.2/120	4.0								
		1.5/150	2.8								
SK15BPM	15	0.4/40	13.6	DN150	2200*1250*1900	1200					
		0.6/60	10.5	DN150	1400*1100*1360	800					
		0.8/80	8.3								
		1.0/100	6.7								
		1.2/120	5.8								
SK18.5BPM	18.5	1.5/150	4.5	DN150	2200*1250*1900	1250					
		0.4/40	16.2								
		0.6/60	13.1		1400*1100*1360	800					
		0.8/80	10.3								
		1.0/100	9.2								
		1.2/120	7.5								
SK22BPM	22	1.5/150	6.0	DN150	2200*1250*1900	1250					
		0.4/40	22.0								
		0.5/50	19.0								
		0.6/60	16.0								
		0.7/70	14.5								
		0.8/80	13.0								
		1.0/100	9.5								
		1.2/120	8.8								
SK30BPM	30	1.5/150	7.0	DN150	1400*1100*1360	850					
		0.4/40	29.0								
		0.6/60	26.0								
		0.7/70	23.5								
		0.8/80	21.5								
		1.0/100	15.8								
SK37BPM	37	1.2/120	12.5	DN150	1400*1100*1360	800					
		1.7/170	7.5								
		0.4/40	38.0								
		0.5/50	35.0								
		0.6/60	32.0								
		0.8/80	26.0								
		1.0/100	21.5								
SK45BPM	45	1.2/120	15.5	DN150	2200*1250*1900	1250					
		1.5/150	12.5								
		0.4/40	44.0								
		0.5/50	42.0								
		0.6/60	38.0								
		0.8/80	33.5								
		1.0/100	26.0								
SK55BPM	55	1.2/120	21.0	DN150	2200*1250*1900	1300					
		1.5/150	15.5								
		1.7/170	12.7								
		0.4/40	55.0								
		0.6/60	48.0								
		0.7/70	44.0								
		0.8/80	41.5								
		1.0/100	35.0								
SK75BPM	75	1.2/120	31.0	DN150	2200*1250*1900	1350					
		1.5/150	21.0								
		1.8/180	16.5								
		2.0/200	14.5								
		0.4/40	78.0								
		0.6/60	68.0								
		0.7/70	61.0								
		0.8/80	55.0								
SK75BPM	75	0.9/90	51.0	DN250	3100*1500*2150	2200					
		1.0/100	47.0								
		1.2/120	42.5								
		1.5/150	34.0								
		1.8/180	27.0								
		2.0/200	24.5								
		SK75BPM	75				2.0/200	24.5	DN150	2200*1250*1900	1400
1750											
	1800										

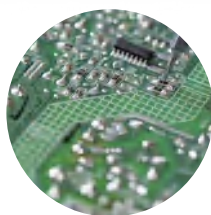
Model	Power (kW)	Pressure (bar/kpa)	Air Delivery (m ³ /min)	Pipe Diameter	Dimension(mm)	Weight (kg)		
SK90BPM	90	0.4/40	98.0	DN300	3300*1750*2350	2550		
		0.6/60	78.0	DN250	3100*1500*2150	2200		
		0.8/80	68.0					
		1.0/100	61.0					
		SK110BPM	110	1.2/120	50.0	DN200	2700*1400*1900	1850
				1.5/150	42.0			
				1.8/180	34.0			
2.0/200	30.5							
0.4/40	113.0			DN300	3300*1750*2350			
SK132BPM	132	0.6/60	112.0	DN300	3300*1750*2350	2600		
		0.8/80	98.0					
		1.0/100	81.0					
		SK160BPM	160	1.1/110	73.0	DN250	3100*1500*2150	2300
				1.2/120	71.0			
				1.5/150	58.0			
				1.8/180	48.0			
2.0/200	44.0							
SK185BPM	185	0.4/40	180.0	DN300	3600*2100*2350	3500		
		0.6/60	130.0	DN300	3300*1750*2350	2750		
		0.8/80	111.0					
		1.0/100	101.0					
		SK200BPM	200	1.1/110	89.0	DN300	3600*2100*2350	3500
				1.2/120	80.0			
				1.5/150	70.0			
SK220BPM	220			0.4/40	203.0	DN300	3600*2100*2350	3500
				0.6/60	154.0	DN300	3300*1750*2350	2800
				0.8/80	129.0			
				1.0/100	110.0			
		SK250BPM	250	1.2/120	96.0	DN300	3600*2100*2350	3600
				1.5/150	83.0			
				1.8/180	66.5			
SK280BPM	280			0.4/40	212.0	DN300	3600*2100*2350	3600
				0.6/60	177.0	DN300	3300*1750*2350	2800
				0.8/80	144.0			
				1.2/120	110.0			
		SK315BPM	315	1.5/150	90.0	DN300	3600*2100*2350	3600
				1.8/180	76.0			
				2.0/200	66.0			
SK480BPM	355			0.6/60	196.0	DN300	3600*2100*2350	3600
				0.8/80	159.0	DN300	3300*1750*2350	2800
				1.0/100	127.0			
				1.5/150	100.0			
		SK540BPM	400	1.8/180	86.0	DN300	3600*2100*2350	3800
				2.0/200	73.0			
				0.6/60	220.0			
SK90BPM	90			0.8/80	182.0	DN300	3600*2100*2350	3800
				1.0/100	150.0	DN300	3300*1750*2350	2700
				1.2/120	125.0			
				1.5/150	109.0			
		SK110BPM	110	1.8/180	95.0	DN300	3600*2100*2350	3900
				2.0/200	85.0			
				0.8/80	206.0			
SK132BPM	132			1.0/100	178.0	DN300	3600*2100*2350	3900
				1.1/110	162.0	DN300	3600*2100*2350	4000
				1.2/120	148.0			
				1.0/100	195.0			
		SK160BPM	160	1.2/120	170.0	DN300	3600*2100*2350	4100
				1.5/150	130.0	DN300	3600*2100*2350	4200
				1.2/120	192.0			
1.5/150	160.0							
SK185BPM	185			1.5/150	188.0	DN300	3600*2100*2350	4200

Dry Oil-free Screw Air Compressor RDO Series

The air quality of dry oil-free air compressor complies with the requirement of Class 0 in terms of total oil content, as defined in ISO 8573-1.



Dry oil-free screw air compressor is widely used in Food, Medicine, Electronics, Chemicals, Semiconductor Printings, Precision Spraying and other industries.



Original German Air-end with World Well-know Screw Technology

Adopt original German air end with high durability and good quality, which is perfect for compressing pure and clean air.

New Noise Reduction Design - Venturi Tube Muffler

The first and second stage of the air-end all adopt the newly developed venturi muffler, and there is also an impedance integrated muffler, which can greatly eliminate the noise emitted by the compressor pipeline.



Technical Parameters

Model	Air Delivery (m³/min)			Power (kW)	Noise dB(A)	Outlet diameter	Dimension (mm) L * W * H		Weight (Kg)	
	7 bar	8 Bar	10 bar				Air-cooled	Water-cooled	Air-cooled	Water-cooled
SDO-45A/W	4.5-7.8	4.0-6.8	3.7-6.4	45	69±3	DN50	2200*1400*2000	2200*1500*1720	2650	2700
SDO-55A/W	5.7-9.8	5.2-9.0	4.4-7.8	55	69±3	DN50	2200*1400*2000	2200*1500*1720	2850	2900
SDO-75A/W	7.6-13.0	7.2-12.2	6.6-11.2	75	70±3	DN50	2200*1400*2000	2200*1500*1720	2950	2900
SDO-90A/W	9.6-16.0	8.1-13.8	7.6-13.1	90	71±3	DN50	2200*1400*2000	2200*1500*1720	3000	2950
SDO-110A/W	12.1-20.6	11.6-19.5	11.1-18.8	110	71±3	DN65	3000*1990*2180	2800*1900*1990	3500	3550
SDO-132A/W	14.7-24.8	13.6-23.0	11.5-19.5	132	73±3	DN65	3000*1990*2180	2800*1900*1990	3550	3600
SDO-160A/W	16.9-28.5	15.6-26.3	14.1-23.8	160	73±3	DN65	3000*1990*2180	2800*1900*1990	3650	3750
SDO-185A/W	19.5-32.8	17.1-28.9	16.3-27.5	185	74±3	DN65	3000*1990*2180	2800*1900*1990	4100	4200
SDO-200A/W	21.8-36.8	20.4-34.6	18.1-30.6	200	74±3	DN100	4500*2000*2100	3100*2100*2065	5100	4500
SDO-220A/W	24.9-41.5	22.4-37.3	19.8-33.0	220	74±3	DN100	4500*2000*2100	3100*2100*2065	5600	5000
SDO-250A/W	27.3-46.0	25.3-42.8	22.7-38.2	250	74±3	DN100	4500*2000*2100	3100*2100*2065	5700	5200
SDO-280A/W	31.6-48.6	30.9-47.5	29.3-45.0	280	76±3	DN100	4500*2000*2100	3100*2100*2065	5800	5300
SDO-315A/W	34.1-52.5	32.9-50.6	31.5-48.5	315	77±3	DN100	4500*2000*2100	3100*2100*2065	6000	5400

Note: " A " means air cooling, " W " means water cooling.

Oil-free Water Lubricated Screw Air Compressor RW Series

Product features

■ Optimal Water Lubricated Screw Unit

The oil-free water lubricated screw unit adopts PEEK ultra-high-strength ultra-wear-resistant molecular material and aerospace-grade all-stainless steel rotor. The system piping and housing are also made of stainless steel.

■ Class 0 Oil-free

Water is used for lubrication, cooling, sealing and noise reduction. 100% oil-free and pollution-free, the used water is environmentally friendly and can be drained directly.

■ Reliable Solenoid Valve

Danfoss and ODE solenoid valves are selected, high sensitivity & longer lifetime.

■ Less Consumables and Easy Operation

Air filter and water filter only. Lubricating water is automatically replenished and drained regularly.



Technical Parameters

Model	Air Delivery (m ³ /min)			Power (kW)	Lubricating water amount (Liters)	Cooling water amount T/Hour	Cooling water inlet/outlet diameter	Noise dB(A)	Outlet diameter	Dimension (mm)	Weight (Kg)
	8 bar	10 Bar	12.5 bar							L * W * H	
SW-08A/W	1.17	1.05	0.81	7.5	10	2.0	3/4"	58	3/4"	800*800*1200	470
SW-11A/W	1.65	1.42	1.10	11	26	2.5	1"	60	3/4"	1150*755*1340	580
SW-15A/W	2.43	2.17	1.80	15	26	3.5	1"	63	3/4"	1150*755*1340	650
SW-18A/W	3.13	2.82	2.05	18.5	30	4.0	1"	65	1"	1400*900*1450	705
SW-22A/W	3.52	3.21	2.78	22	30	5.0	1"	65	1"	1400*900*1450	745
SW-30A/W	5.12	4.43	3.63	30	40	7.0	1 1/2"	67	1 1/4"	1550*1150*1550(A) 1500*1150*1300(W)	1100
SW-37A/W	6.30	5.33	4.77	37	40	9.0	1 1/2"	67	1 1/4"	1550*1150*1550(A) 1500*1150*1300(W)	1150
SW-45A/W	7.40	6.30	5.56	45	90	10.0	1 1/2"	68	2"	1980*1300*1760(A) 1800*1300*1670(W)	1390
SW-55A/W	9.60	8.55	7.67	55	120	12.0	1 1/2"	70	2"	1980*1300*1760(A) 1800*1300*1670(W)	1470
SW-75A/W	13.00	11.50	9.70	75	120	18.0	1 1/2"	73	2"	2100*1600*1900(A) 2200*1500*1800(W)	2250(A) 1630(W)
SW-90A/W	14.80	13.90	12.60	90	180	20.0	1 1/2"	73	2 1/2"	2400*1600*2000(A) 2200*1500*1800(W)	2650(A) 2350(W)
SW-110A/W	19.85	16.66	15.56	110	180	24.0	2"	78	2 1/2"	3000*1700*2250(A) 2200*1500*1800(W)	3150(A) 2460(W)
SW-132A/W	23.10	19.97	16.90	132	240	30.0	2"	78	2 1/2"	3000*1700*2250(A) 2200*1500*1800(W)	3500(A) 2500(W)
SW-160W	28.11	25.45	22.52	160	240	35.0	3"	80	DN80	2700*2800*2050	3700
SW-185W	33.97	29.00	25.21	185	300	38.0	3"	80	DN80	2700*2800*2050	3750
SW-200W	36.75	32.78	29.24	200	300	42.0	4"	80	DN100	2700*2800*2050	3900
SW-220W	39.67	36.75	29.63	220	360	47.0	4"	80	DN100	2700*2800*2050	4200
SW-250W	43.50	39.30	34.00	250	360	58.0	4"	80	DN100	2700*2800*2050	4600

Note: "A" means air cooling, "W" means water cooling.

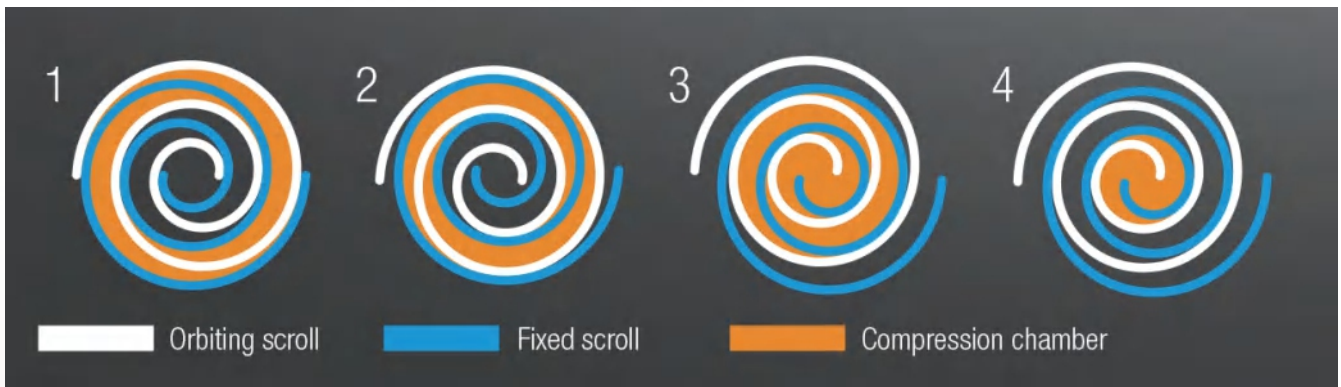
Application

- Food
 - Medicine
 - Electronics
- Chemicals
 - Aerospace fields
 - Semiconductor
- Precision Spraying
 - Biological Engineering
 - Medical instruments

Oil-free Scroll Air Compressor RO Series

Scroll Compression Principle

As the orbiting scroll goes from No. 1 to No.4 position, the room of the symmetrical crescent-shaped compression chambers is gradually reduced, compressing the air contained within. This is then discharged through the central exhaust port.



Fully Oil-free

Class 0 oil-free is certified by German TUV organization.



Low Vibration

The high-pressure area around the axis is evenly distributed, without eccentricity, good balance and well controlled vibration.



Super Silent

Reasonable vibration and noise reduction design, smooth output airflow without fluctuation, low noise and low vibration.



Intelligent and Reliable

Multi-stage scroll air-ends, automatically controls the scroll units according to the air demand. Failed air-end doesn't affect to the system as all units are controlled independently.

Compared with the traditional compressor, the oil-free scroll type has excellent performance such as novel structure, compact size, light weight, low noise level, long life and low maintenance cost. It is known as "maintenance-free air compressor" and is an ideal model for air compressors below 50HP.



Technical Parameters

Model	Air Delivery (m ³ /min)		Power (kW)	Air-end	Air tank	Noise dB(A)	Outlet diameter	Dimension (mm)	Weight (Kg)
	8 Bar	10 Bar		Power * Qty	Liters			L * W * H	
SKO-2.2AT	0.24	0.22	2.2	2.2*1	40	55	G1/2	700*500*1220	160
SKO-3.7AT	0.40	0.34	3.7	3.7*1	40	55	G1/2	700*500*1220	170
SKO-2.2A	0.24	0.22	2.2	2.2*1	/	55	G1/2	650*500*870	125
SKO-3.7A	0.40	0.34	3.7	3.7*1	/	55	G1/2	650*500*870	135
SKO-5.5A	0.60	0.55	5.5	5.5*1	/	55	G1/2	790*640*1050	190
SKO-7.5A	0.80	0.68	7.4	3.7*2	/	60	G1/2	980*675*1270	350
SKO-11A	1.20	1.10	11	5.5*2	/	60	G3/4	852*1274*1330	450
SKO-15A	1.60	1.36	14.8	3.7*4	/	63	G1 1/2	1565*1274*1330	700
SKO-16.5A	1.80	1.65	16.5	5.5*3	/	63	G1 1/2	1565*1274*1330	710
SKO-22A	2.40	2.20	22	5.5*4	/	63	G1 1/2	1565*1274*1330	730
SKO-33A	3.60	3.30	33	5.5*6	/	65	G1 1/2	1565*1274*1775	1020
SKO-44A	4.80	4.40	44	5.5*8	/	68	G1 1/2	1565*1274*1775	1250

Pakistan Customers

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