



TAIZHOU SPERAN MACHINERY CO.,LTD.

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TAIZHOU SPERAN MACHINERY CO.,LTD.



ABOUT SPERAN

Taizhou Speran Machinery., Ltd. is located in Taizhou named as the city of compressors . We are specialized in manufacturing screw air compressors, oil free air compressors, direct driven air compressors, belt driven air compressors and air compressor pumps & motors. It is our utmost goal to provide the satisfactory quality products and service for all our customers by using best quality raw materials, parts & standardized operational procedures as well as strictly

quality testing. After endless efforts and dedication trust from our professional team work we have gained the recognition and trust of all the customers from the USA, Europe, South America, Middle East and Southeast Asia, etc. We take : "Consistently create value for our customers, Constantly pursuit the striver's material and spiritual civilization as your our operating concept. It is our aim to build our company as a famous brand in the air compressor industry globally





ADVANCED MANUFACTURING PLATFORM

The lean assembly process and the pursuit of perfect quality consciousness have been deeply rooted in the hearts of SPERAN brand people. Production efficiency and quality are strictly implemented to a high standard. From technology to strength, to industrial support, to manufacturing scale, SPERAN has always been at the forefront of the industry, continue to maintain the industry lead, and constantly expand the industry advantage.

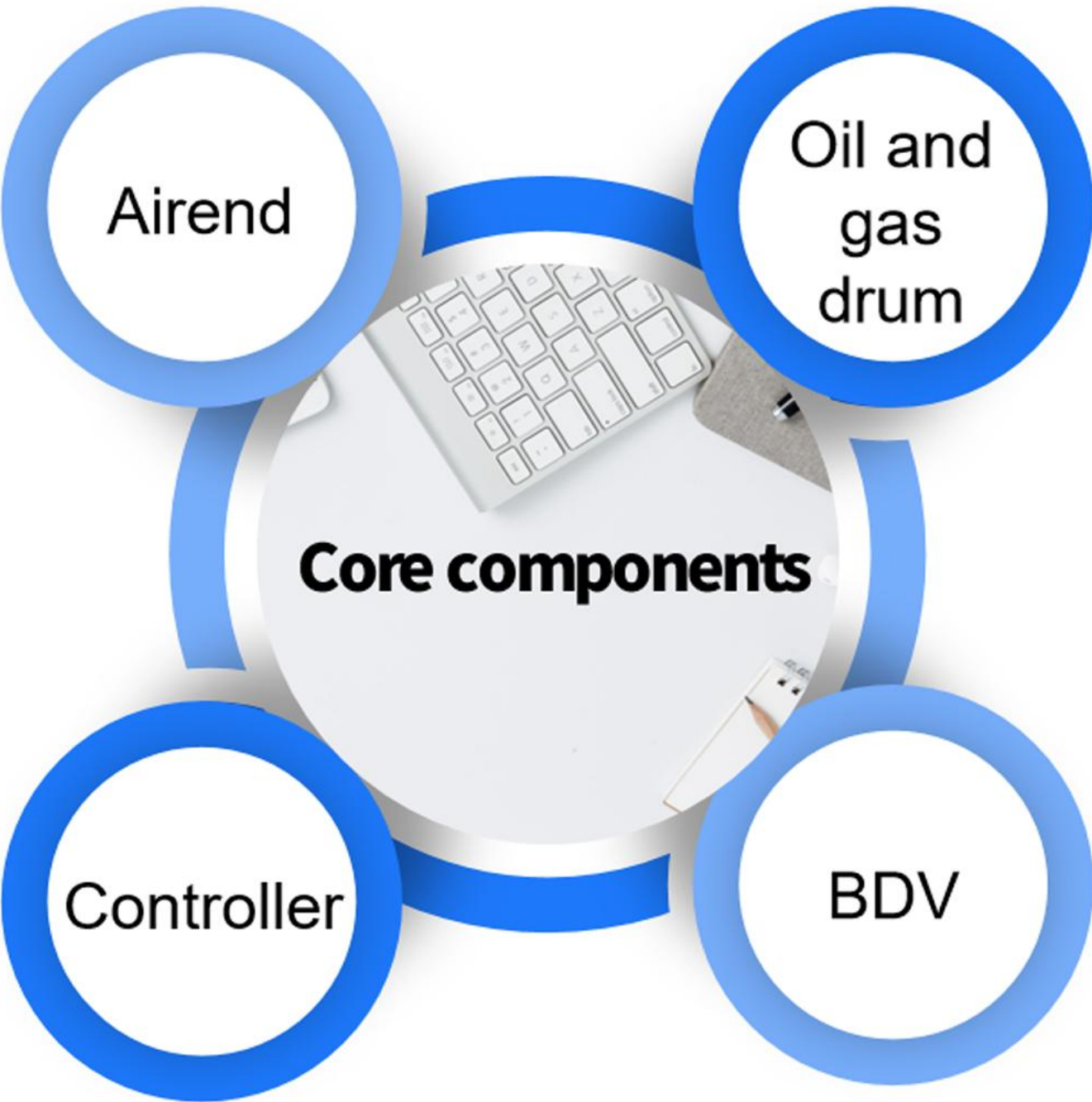


工频螺杆机箱式

Cabinet-Type Fixed-Speed Screw Compressor



Core components



1 Airend: 鲍斯/BAOSI



2 Oil and gas drum : 富海华/FUHAIHUA



3 Controller: 普乐特/PLT TOP ONE BRAND IN CHINA

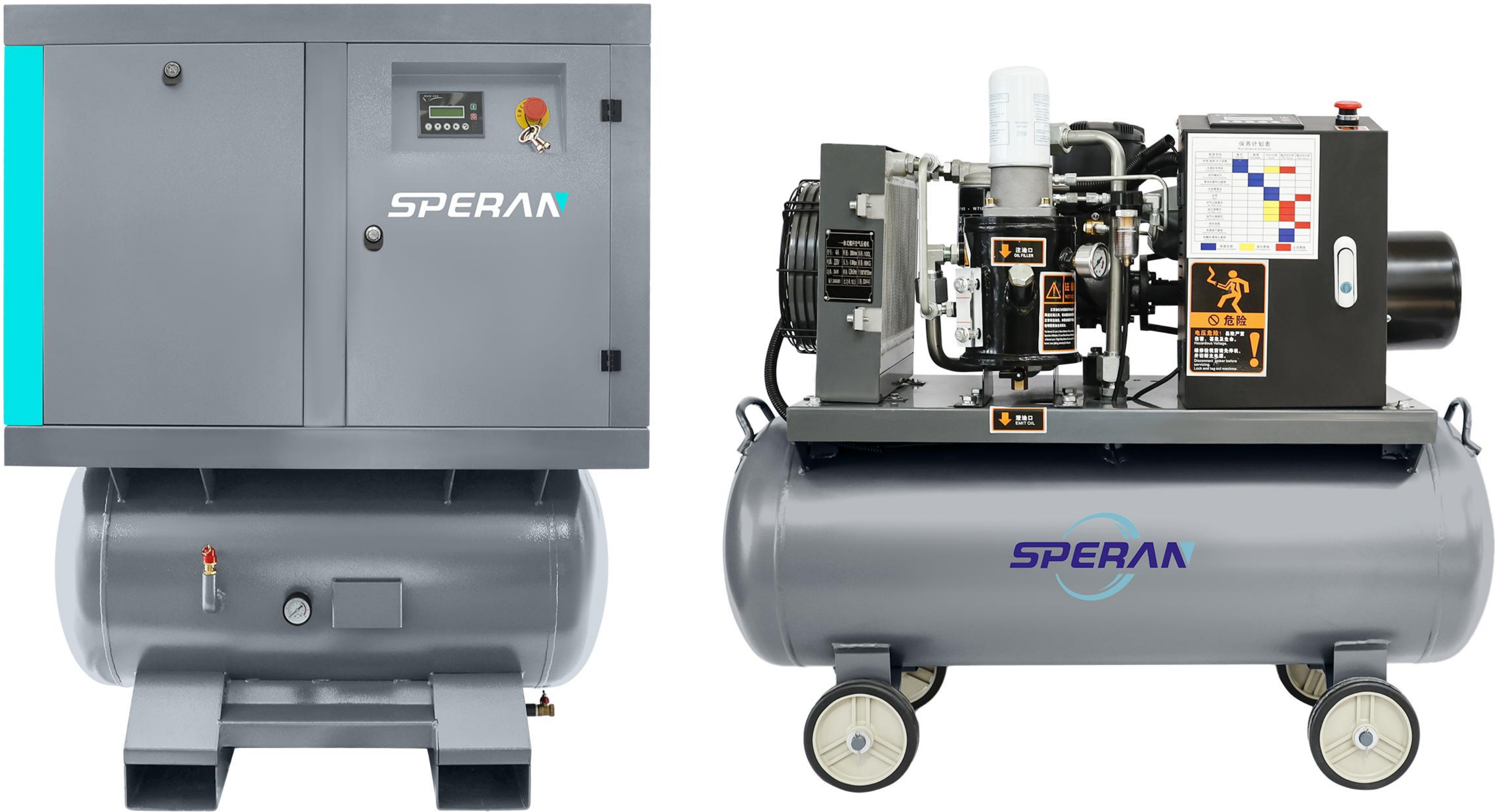


4 BDV: 红星/RED STAR

参数 Parameters	型号 Model	SBN-5A	SBN-7A	SBN-10A	SBN-15A	SBN-20A	SBN-25A	SBN-30A	SBN-40A	SBN-50A	SBN-60A	SBN-75A	SBN-100A
Free air deliver/ Discharge pressure (m³/min/Mpa)	排气量/排气压力 (m³/min/Mpa)	0.45/0.8 0.35/1.0 0.3/1.3	0.75/0.8 0.6/1.0 0.45/1.3	1.1/0.8 0.9/1.0 0.7/1.3	1.5/0.8 1.3/1.0 1.1/1.3	2.3/0.8 2.1/1.0 1.9/1.3	2.9/0.8 2.6/1.0 2.2/1.3	3.6/0.8 3.2/1.0 2.8/1.3	5.0/0.8 4.5/1.0 3.8/1.3	6.2/0.8 5.6/1.0 4.9/1.3	7.0/0.8 6.0/1.0 5.6/1.3	9.1/0.8 8.5/1.0 7.6/1.3	12.6/0.8 11.2/1.0 10.0/1.3
Free air deliver/ Discharge pressure (CFM/PSI)	排气量/排气压力 (CFM/PSI)	16/116 12/145 11/188	26/116 21/145 16/188	39/116 32/145 25/188	53/116 46/145 39/188	81/116 74/145 67/188	102/116 92/145 78/188	127/116 113/145 99/188	177/116 159/145 134/188	219/116 198/145 173/188	247/116 212/145 198/188	321/116 300/145 268/188	445/116 396/145 353/188
Compression Stage	压缩阶段	Single Stage											
Ambient temperature	环境温度	-5~+45℃											
Cooling mode	冷却方式	Air Cooling											
Lubricant (L)	润滑油 (L)	3	4	10	14.5	20	45						
Noise level (dB)	噪音 (dB)		62±2	64±2	65±2	68±2	72±2						
Drive method	驱动方式	Y-Δ启动											
Electricity (V/ph/Hz)	电压 (V/ph/Hz)	220V单相 380/3/50											
Motor power (KW/HP)	功率 (KW/HP)	4.0/5	5.5/7	7.5/10	11/15	15/20	18.5/25	22/30	30/40	38/50	45/60	56/75	75/100
Starting method	启动方式	Y-Δ启动											
Dimension L*W*H(cm)	尺寸 L*W*H(cm)	950*500*700		880*600*830		1060*720*1010		1210*820*1160		1360*980*1260		1760*1260*1560	
Net weight (kg)	净重 (kg)	105	150	170	260	280	380	400	550	580	620	950	1050
Air outlet diameter (inch/mm)	出口口径 (inch/mm)	G1/2"		G3/4"		G1"		G1 1/2"		G2"			

工频螺杆机二合一

2 in 1 Fixed-Speed Screw Compressor



The motor has a protection class of IP55, which enables it to operate effectively even in harsh environments. It has a low maintenance cost and a failure rate 60% lower than that of IP23.



5X Longer Warranty = 5X More Reliability
While other factories offer only 1 year warranty.



Complete Mobility & Integration
Your air power, ready to go. This all-in-one unit saves you time by delivering air anywhere.

参数 Parameters		型号 Model	SBN-7A2	SBN-10A2	SBN-10A2	SBN-15A2	SBN-20A2	SBN-25A2	SBN-30A2
Tank Volume (L)	储气罐升数 (L)		200L	200L	300L	300L	300L	500L	500L
Free air deliver/ Discharge pressure (m³/min/Mpa)	排气量/排气压力 (m³/min/Mpa)		0.7/0.8	1.1/0.8	1.1/0.8	1.5/0.8	2.3/0.8	2.9/0.8	3.6/0.8
			0.6/1.0	0.9/1.0	0.9/1.0	1.3/1.0	2.1/1.0	2.6/1.0	3.2/1.0
			0.45/1.3	0.7/1.3	0.7/1.3	1.1/1.3	1.9/1.3	2.2/1.3	2.8/1.3
Free air deliver/ Discharge pressure (CFM/PSI)	排气量/排气压力 (CFM/PSI)		25/116	39/116	39/116	53/116	81/116	102/116	127/116
			21/145	32/145	32/145	46/145	74/145	92/145	113/145
			16/1.3	25/188	25/188	39/188	67/188	78/188	99/188
Compression Stage	压缩阶段	Single Stage							
Ambient temperature	环境温度	-5~+45℃							
Cooling mode	冷却方式	Air Cooling							
Lubricant (L)	润滑油 (L)	10			12			14.5	
Noise level (dB)	噪音(dB)	62±2			64±2			65±2	
Drive method	驱动方式	Direct Driven							
Electricity (V/ph/Hz)	电压 (V/Ph/Hz)	380/3/50							
Motor power (KW/HP)	功率(KW/HP)	5.5/7	7.5/10	7.5/10	11/15	15/20	18.5/25	22/30	
Starting method	启动方式	Y-Δ启动							
Dimension L*W*H(cm)	尺寸L*W*H(mm)	120*50*128	127*60*95	160*70*158	160*70*158	160*70*158	178*80*165	178*80*165	
Net weight (kg)	净重(kg)	205	205	470	470	470	540	500	
Air outlet diameter (inch/mm)	出气口径(inch/mm)	G1/2"			G3/4"			G1"	

工频螺杆机四合一

4 in-1 Fixed-Speed Screw Compressor



型号 Model		SBN-10A4	SBN-15A4	SBN-20A4	SBN-30A4
参数 Parameters					
Tank Volume (L)	储气罐升数(L)	200L	300L	300L	500L
Free air deliver/ Discharge pressure (m³/min/Mpa)	排气量/排气压力 (m³/min/Mpa)	1.1/0.8	1.5/0.8	2.3/0.8	3.6/0.8
		0.9/1.0	1.3/1.0	2.1/1.0	3.2/1.0
Free air deliver/ Discharge pressure (CFM/PSI)	排气量/排气压力 (CFM/PSI)	0.7/1.3	1.1/1.3	1.9/1.3	2.8/1.3
		39/116	53/116	81/116	127/116
		32/145	46/145	74/145	113/145
		25/188	39/188	67/188	99/188
Compression Stage	压缩阶段	Single Stage			
Ambient temperature	环境温度	-5~+45℃			
Cooling mode	冷却方式	Air Cooling			
Lubricant (L)	润滑油 (L)	4	14.5	22	
Noise level (dB)	噪音(dB)	62±2	64±2	64±2	65±2
Drive method	驱动方式	Direct Driven			
Electricity (V/ph/Hz)	电压(V/Ph/Hz)	380/3/50			
Motor power (KW/HP)	功率(KW/HP)	7.5/10	11/15	15/20	22/30
Starting method	启动方式	Y-Δ启动			
Dimension L*W*H(cm)	尺寸L*W*H(mm)	1655*600*1410	1610*720*1575	1610*720*1575	1850*820*1650
Net weight (kg)	净重(kg)	425	480	480	580
Air outlet diameter (inch/mm)	出气口径(inch/mm)	G1/2"	G3/4"		

- ### Refrigerated Dryer

Protects your system by removing moisture and lowering the pressure dew point to a reliable +3°C, preventing corrosion and tool damage.
- ### Precision Filter

Ensures clean air by removing 99.9% of oil and particles, providing pure air that meets ISO 8573-1 Class 1.2.4 standard for sensitive equipment.
- ### Complete Mobility & Integration

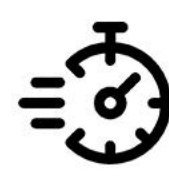
Your air power, ready to go. This all-in-one unit saves you time by delivering air anywhere.

永磁变频螺杆机箱式 VFD Screw Compressor



 Up to 30% Energy Savings
Motor speed matches air demand in real-time to eliminate energy waste.

 ±0.1 Bar Pressure Stability
Maintains constant pressure for superior tool performance and product quality.

 50% Fewer Starts & Longer Life
Soft-start feature reduces stress to significantly extend component lifespan.

参数 Parameters		型号 Model	SBN-5PM	SBN-7PM	SBN-10PM	SBN-15PM	SBN-20PM	SBN-25PM	SBN-30PM	SBN-40PM	SBN-50PM	SBN-60PM	SBN-75PM	SBN-100PM
Free air deliver/ Discharge pressure (m³/min/Mpa)	排气量/排气压力 (m³/min/Mpa)		0.45/0.8	0.75/0.8	1.1/0.8	1.5/0.8	2.3/0.8	2.9/0.8	3.6/0.8	5.0/0.8	6.2/0.8	7.0/0.8	9.1/0.8	12.6/0.8
			0.35/1.0	0.6/1.0	0.9/1.0	1.3/1.0	2.1/1.0	2.6/1.0	3.2/1.0	4.5/1.0	5.6/1.0	6.0/1.0	8.5/1.0	11.2/1.0
			0.3/1.3	0.45/1.3	0.7/1.3	1.1/1.3	1.9/1.3	2.2/1.3	2.8/1.3	3.8/1.3	4.9/1.3	5.6/1.3	7.6/1.3	10.0/1.3
Free air deliver/ Discharge pressure (CFM/PSI)	排气量/排气压力 (CFM/PSI)		16/116	26/116	39/116	53/116	81/116	102/116	127/116	177/116	219/116	247/116	321/116	445/116
			12/145	21/145	32/145	46/145	74/145	92/145	113/145	159/145	198/145	212/145	300/145	396/145
			11/188	16/188	25/188	39/188	67/188	78/188	99/188	134/188	173/188	198/188	268/188	353/188
Compression Stage	压缩阶段	Single Stage												
Ambient temperature	环境温度	-5~+45℃												
Cooling mode	冷却方式	Air Cooling												
Lubricant (L)	润滑油 (L)		3	4		10		14.5		20				45
Noise level (dB)	噪音(dB)		60±2	62±2		64±2		65±2		68±2			72±2	
Drive method	驱动方式	Direct Driven												
Electricity (V/Ph/Hz)	电压(V/Ph/Hz)		220V单相 380/3/50						380/3/50					
Motor power (KW/HP)	功率(KW/HP)		4.0/5	5.5/7	7.5/10	11/15	15/20	18.5/25	22/30	30/40	38/50	45/60	56/75	75/100
Starting method	启动方式	Frequency conversion												
Dimension L*W*H(cm)	尺寸L*W*H(mm)		950*500*700		880*630*860		1060*720*1010		1210*820*1160		1360*980*1260		1760*1260*1560	
Net weight (kg)	净重(kg)		105	150	170	260	280	380	400	550	580	620	950	1050
Air outlet diameter (inch/mm)	出气口径(inch/mm)		G1/2"		G3/4"		G1"		G1 1/2"				G2"	

永磁变频螺杆机二合一

2 in 1 VFD Screw Compressor



Up to 35% Total Cost Savings The VFD cuts energy use by up to 30%.



Complete Mobility & Integration
Your air power, ready to go. This all-in-one unit saves you time by delivering air anywhere 50% Fewer Starts & Extended Lifespan.



The VFD's soft-start and the tank's capacity drastically reduce motor cycles. This significantly lowers mechanical stress, protecting your long-term investment.

型号 Model 参数 Parameters		SBN-4PM2	SBN-5PM2	SBN-7PM2	SBN-10PM2	SBN-10PM2	SBN-15PM2	SBN-20PM2	SBN-30PM2
Tank Volume (L)	储气罐升数(L)	100L	150L	200L	200L	300L	500L	500L	500L
Free air deliver/ Discharge pressure (m³/min/Mpa)	排气量/排气压力 (m³/min/Mpa)	0.4/0.8	0.48/0.8	0.7/0.8	1.1/0.8	1.1/0.8	1.5/0.8	2.3/0.8	3.6/0.8
				0.6/1.0	0.9/1.0	0.9/1.0	1.3/1.0	2.1/1.0	3.2/1.0
				0.45/1.3	0.7/1.3	0.7/1.3	1.1/1.3	1.9/1.3	2.8/1.3
Free air deliver/ Discharge pressure (CFM/PSI)	排气量/排气压力 (CFM/PSI)	14/116	17/116	25/116 21/145 16/1.3	39/116 32/145 25/188	39/116 32/145 25/188	53/116 46/145 39/188	81/116 74/145 67/188	127/116 113/145 99/188
Compression Stage	压缩阶段	Single Stage							
Ambient temperature	环境温度	-5~+45℃							
Cooling mode	冷却方式	Air Cooling							
Lubricant (L)	排气温度 (℃)	6.5			10		12		14.5
Noise level (dB)	噪音(dB)	62±2			64±2			65±2	
Drive method	驱动方式	Direct Driven							
Electricity (V/ph/Hz)	电压 (V/Ph/Hz)	220V 380/3/50			380/3/50				
Motor power (KW/HP)	功率 (KW/HP)	2.2/3	3/4.0	3.7/5	5.5/7	5.5/7	11/15	15/20	22/30
Starting method	启动方式	Frequency conversion							
Dimension L*W*H(cm)	尺寸L*W*H(mm)	105*46*85	105*46*85	120*50*95	120*50*128	1610*720*1575	178*80*165	178*80*165	178*80*165
Net weight (kg)	净重(kg)	155	155	175	205	480	500		
Air outlet diameter (inch/mm)	出气口径 (inch/mm)	G1/2"					G1"		

永磁变频螺杆机四合一

4-in-1 VFD Screw Compressor



Up to 35% Total Cost Savings The VFD cuts energy use by up to 30%.



Refrigerated Dryer

Protects your system by removing moisture and lowering the pressure dew point to a reliable +3°C, preventing corrosion and tool damage.



Precision Filter

Ensures clean air by removing 99.9% of oil and particles, providing pure air that meets ISO 8573-1 Class 1.2.4 standard for sensitive equipment.



Complete Mobility & Integration

Your air power, ready to go. This all-in-one unit saves you time by delivering air anywhere .

型号 Model		SBN-10PM4	SBN-15PM4	SBN-20PM4	SBN-30PM4
参数 Parameters					
Tank Volume (L)	储气罐升数(L)	300L	500L	500L	500L
Free air deliver/ Discharge pressure (m³/min/Mpa)	排气量/排气压力 (m³/min/Mpa)	1.1/0.8	1.5/0.8	2.3/0.8	3.6/0.8
		0.9/1.0	1.3/1.0	2.1/1.0	3.2/1.0
		0.7/1.3	1.1/1.3	1.9/1.3	2.8/1.3
Free air deliver/ Discharge pressure (CFM/PSI)	排气量/排气压力 (CFM/PSI)	39/116	53/116	81/116	127/116
		32/145	46/145	74/145	113/145
		25/188	39/188	67/188	99/188
Compression Stage	压缩阶段	Single Stage			
Ambient temperature	环境温度	-5~+45℃			
Cooling mode	冷却方式	Air Cooling			
Lubricant (L)	排气温度 (°C)	4	10		14.5
Noise level (dB)	噪音(dB)	62±2	64±2	64±2	65±2
Drive method	驱动方式	Direct Driven			
Electricity (V/ph/Hz)	电压 (V/Ph/Hz)	380/3/50			
Motor power (KW/HP)	功率(KW/HP)	7.5/10	11/15	15/20	22/30
Starting method	启动方式	Frequency conversion			
Dimension L*W*H(cm)	尺寸L*W*H(mm)	1610*720*1575	1610*720*1575	1610*720*1575	1850*820*1650
Net weight (kg)	净重(kg)	480	480	480	580
Air outlet diameter (inch/mm)	出气口径 (inch/mm)	G1/2"	G3/4"		G1"