Open the door of SUCCESS ENGINE

Enter energy saving & environmental protection era



SUCCESS ENGINE

New Factory in Shanghai of China












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SUCCESS ENGINE®

ROTARY SCREW AIR COMPRESSOR

ISO9001:2008



Stress difference

Create advantage

Success Engine Compressor Co., Ltd.

CORE TECHNOLOGY OF SUCCESS ENGINE

SUCCESS ENGINE derives from the Double Screw Technique which is known as "the mother of shaped conductor". In the past decades, SUCCESS ENGINE has cherished the lofty belief and worked hard on the development of society and human being.





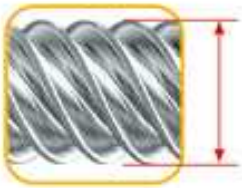
Reform of mesh and seal

Reform the mesh and seal of the bottom line of the double screw rotors, resolve the problem of the leakage of oil air mixture thoroughly in the course of rotor meshing, raise the volume efficiency and reduce the noise which produced when oil air mixture passing from the high pressure cavity to the low one.



Reform the shape of rotors' roots

The shape of rotor's roots are the most important factor which affects the efficiency of air-production. The best solution is to improve the shape of the male and female rotors' roots. SUCCESS ENGINE has realized the technology's historic leap with the computer circle tangent equation software. And it is the achievement which makes SUCCESS ENGINE's technology always set the pace in the market of compressor.





Reform of length : diameter ratio

Improve the length:diameter ratio of the double screw rotors. Raise the integral rigidity of rotors by shorten the distance between the two bearings. Thus, it would achieve higher volume efficiency under the higher pressure and decrease vibration greatly, reduce noise, and extend the machine's useful life.



Reform the distance between the cores of shafts

Increase the efficient sectional area of the rotors and the distance between the driving and driven shafts, then achieve highest utilization ratio of rotor's area. Remain enough space for the installation of the bearings with longer diameter. Solve the problem of bearing abrasion occurred after operation of many years.

It comes from imagination and takes its place on the world stage.

SUCCESS ENGINE



Wisdom leads technology, no being leaded by technology.

The essence of technology isn't serving the time or imitating others, but the essence of wisdom is innovation.

Since the rotors in a 5:6 lobe combination appeared on the market, they have experienced several-time optimization and improvement, and got brilliant achievements in the field of energy saving and environmental protection.

SEC pursues excellence everlastingly. Technical innovation embodies the essence of the wisdom.

Another excellent product with newest rotors in a 6:8 lobe combination is already on the stocks and will be available in the near future.





Reliable Combination

We use the SKF compages of over-loading bearings with good durability and carrying capacity, so we can insure that our products' core components have outstanding reliability and endurance.

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SUCCESS ENGINE COMPRESSOR STATION CENTRAL CONTROL SYSTEM (SELECTIVE CONFIGURATION)

Success Engine specified English software
Remote control on the compressed air

- Know the real-time compressor function condition.
- Monitor the energy consumption and load/unload condition.
- Reset the configurations according to the requirement of air consumption.
- Show, browse all the default configurations.
- Inquire history record and display the maintenance early warning.

ALTERNATIVE OPERATION (STANDARD CONF IGURATION)

- With 485 port, no need to place the extra controller.
- Control two or more compressors easily with connecting line.
- Determine automatically to shut down the compressor or to start the stand-by compressor.
- Timing switch, make the main compressor and the vice compressor work by turns.
- Breakdown judgement and switch to the stand-bycompressor automatically.



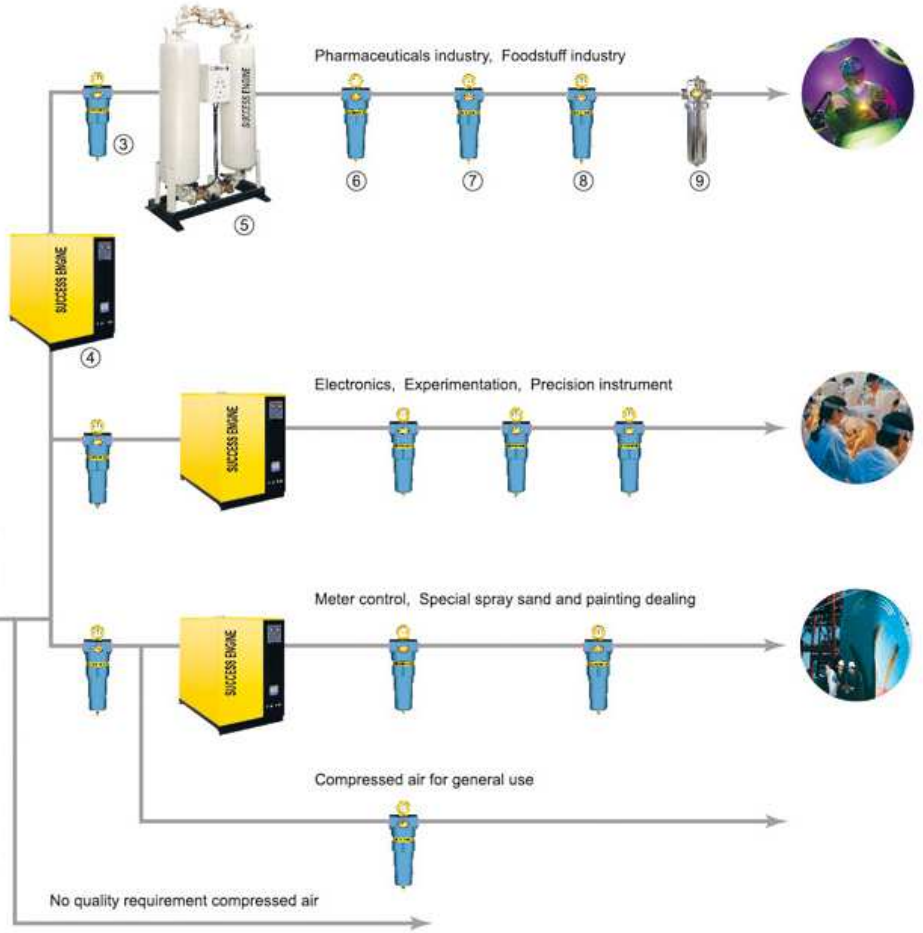


ENGLISH PLC CONTROLLER MENU

OPERATION MODE: VISIBLE, CONVENIENT(STANDARD CONFIGURATION)

- Four control modes: automatic control, manual control, linkage control and remote control.
- The display of running state: power supply, exhaust air pressure temperature and normal time.
- Automatic alarm and protection: overheating, lack of oil, overpressure, separator block, oil filter block, air filter element block, phase-sequence disorder, overload and sensors breakdown.
- Specification preset and modification: control mode, start/stop automatically, load/unload pressure, upper limit/lower limit of temperature, time delay of load, operation order of al ternate operating compressor, maintenance time and calendar/time.
- History record inquiry: load/unload running time, oil filter left time, oil-air separator left time, air filter left time, summary running time and history breakdown record.







① Screw Air Compressor
② Air Receiver
③ Pre-Air Filter
④ Refrigeration Dryer
⑤ Heatless Regeneration Dryer
⑥ After-Air Filter
⑦ Final-Air Filter
⑧ Activated Carbon-Air Filter
⑨ Sterilizing Air Filter

The latest upgraded products declare the new concept

Products entering the main market of air compressor formally.

Excellent compressor airend

Provided by the European headquarter and congregating the SE wisdom, the high performance compressor airend with ingenious design and great security, makes SE core technology always set the pace in this field.





The specially designed air-cooled system

Equipped with special-angled vane, the latest-model air-cooled compressor is combined as a close freezing system. It enlarges the distance between the freezing vane and the radiator, which sets aside some time for the wind to balance the air pressure, so the wind can pass through the radiator evenly and make the best of the area of the radiator.

Advantage analysis: the smaller cooling machine(energy saving) but better cooling effect, work normally even in the hot summer, consume less energy and reduce noise by 2-3dB(A).

The unique automatic tightener

Transcending the traditional transmission design means, our professional mechanical engineers have created the high efficient belt transmission device and realized the historic leap from manual adjustment to automatic tightening, so increase the transmission efficiency.

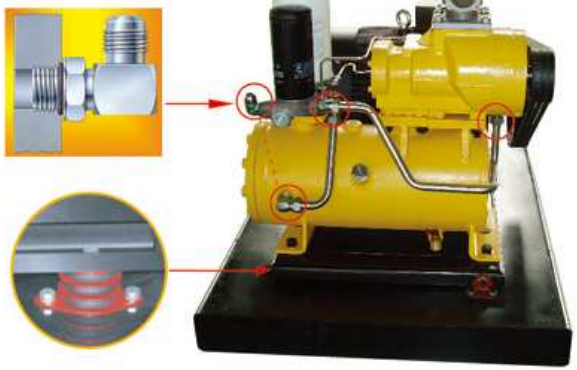
Advantage analysis: convenient maintenance, alternate air pressure easily, less shock to the compressor, transmission efficiency guaranteed everlastingly.



The eliminating leakage pipeline-connected design

Sealing-up connection parts: Adopt the most effective and heat-resisting connecting parts which comforms to the standard of America Auto Industry Association, decrease leak and prolong the useful life.

Pipeline parts: Both the oil pipelines and the air pipelines are made of the stainless steel, inside and outside double protection, heat-resisting, pressure-resisting, long duration and neatness. All the control pipelines are made of F46 materials, so can make the system run stably and for a long time.



Powerful shock absorbers

Add the hidden shock absorbers in the drive parts, reduce the noise produced in the running process of compressors greatly, prolong the useful life of the compressor, make the compressors run steadily and reduce noise by 3-5dB(A).



High efficiency motor

- The Output Efficiency is up to 96%
- Degree of Protection: IP55
- Service Factor: SF=1.15
- The special equipped SKF over-loading bearings
- Low noise and long useful life



High efficiency oil-air separator

The advanced oil and gas separator composed of double pleated-media fitter element and revolving, tackling and colliding crude separate oil-air tank which can obtain the best oil-air separation effect.





SUCCESS ENGINE special cooling lubricant oil

Adopt MSDS special cooling oil fitting for the ISO14001 environmental management standard, heat-resisting and anti-oxidizing, better lubrication and cooling effect in the condition of high temperature difference, the guarantee of the quality of oil air separation and prolong the useful life of the conpressor.

The human-based security design

The high-speed transmission parts adopt the special designed and absolutely isolated transmission parts, protect the operator from being harmed.



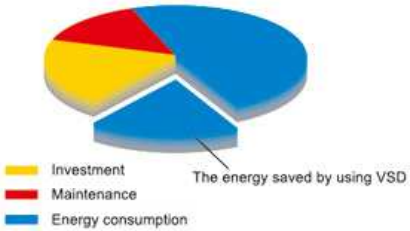
VSD (Variable Speed Drive) Technology

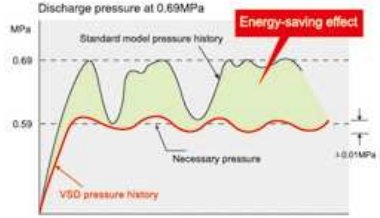
General Overview of the Energy-saving VSD

Success Engine air compressor VSD series is a new-conception energy-saving product. By varying the speed of the drive motor in accordance to the change of air capacity required, it regulates the actual power accordingly and thus saves the energy effectively. By adopting the electronic inverter system and the technology of supplying the exact air capacity required and precise pressure controlling, VSD air compressor not only directly reduces energy consumption by 30% but also brings many other benefits, such as stabilizing the network pressure, eliminating the peak current on starting, etc. VSD compressor serves as the best choice for the modern industrial and mining enterprises to save energy.

Evaluation and Assessment of the saved energy

While electricity consumed by industrial air compressors accounts for a great part of a manufacturing facility's total electricity bill, VSD air compressors can provide valuable energy saving for manufactures. However, an accurate assessment of the varying air capacity required before settling on the investment program is indispensable to getting a good return for the investment.



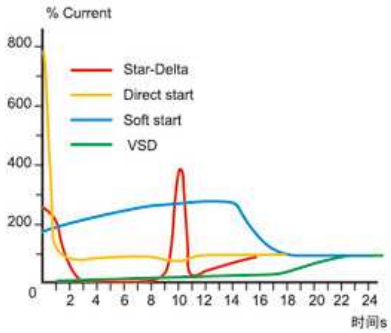


Stable Supply of Pressure

With the adoption of PID (proportional gain,integrational gain and differential gain), VSD air compressors can modulate the speed of the drive motor precisely.VSD series can also automatically track the change of the air volume, stablize the pressure in the system and in turn reduce the electricity consumption.

Avoidance of Peak Current

Regards to VSD air compressor, peak current is avoided on starting the machine,so the damage to the power network and the whole mechanism is greatly reduced and the service life of the compressor is thus prolonged.



High-efficiency Inverter

With the built-in DC reactor restraining the frequence disturbance from the inverter, the high-efficency inverter is appoved by the SE assessment group. In full compliance with the current electromagnetic compatibility standardand, the inverter ensures the best performance of air compressors.





Standard/VSD Double Service

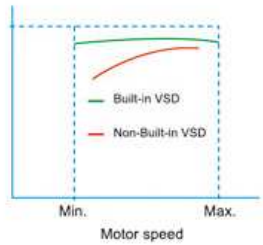
VSD series are all equipped with the standby standard starter in case the inverter breaks down. If the inverter malfunctions, the compressor can be shifted to standard operation. In this way, the impact of the failure on the production can be minimized.

Special Motor exclusively designed for the VSD Series

The inverter-fed motor specially designed for VSD compressors ensures the highest efficiency of the inverter and motor in the whole process of running.



Efficiency Curve of Motor/Inverter



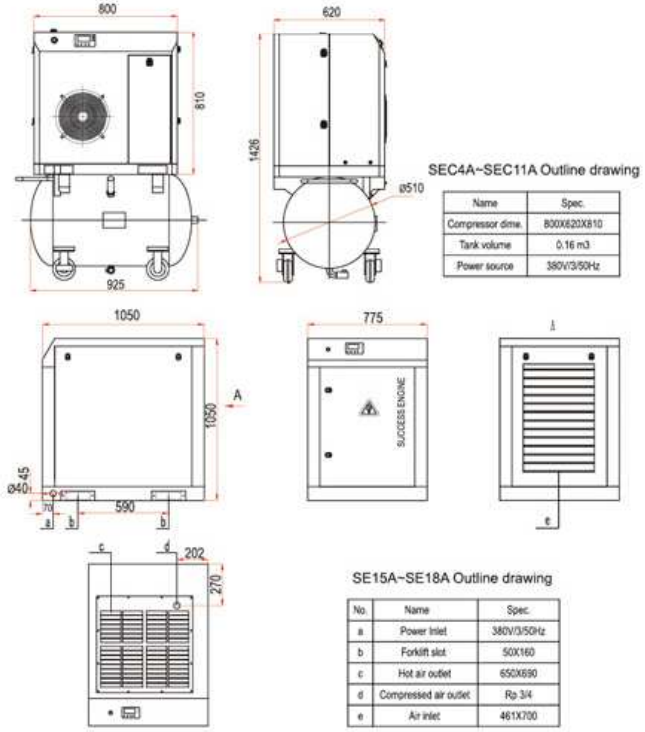
BELT DRIVE SERIES

SPECIFICATIONS OF SE4-18(KW)

MODEL	POWER kW	PRESSURE bar	AIR FLOW m^3/min	NOISE LEVEL dB(A)	OUTLET CONNECTION	WEIGHT Kg	DIMENSION L x W x H mm
SEC4A-7(8) SEC4A-10 SEC4A-13	4.0	7(8) 10 13	0.5 0.4 0.25	60	Rp 3/4	180	925x620x1426
SEC5A-7(8) SEC5A-10 SEC5A-13	5.5	7(8) 10 13	0.8 0.63 0.5	60	Rp 3/4	200	925x620x1426
SEC7A-7(8) SEC7A-10 SEC7A-13	7.5	7(8) 10 13	1.15 1.0 0.79	62	Rp 3/4	220	925x620x1426
SEC11A-7(8) SEC11A-10 SEC11A-13	11	7(8) 10 13	1.80 1.50 1.20	66	Rp 3/4	260	925x620x1426
SE15A-7(8) SE15A-10 SE15A-13	15	7(8) 10 13	2.30 2.05 1.65	66	Rp 3/4	420	775x1050x1050
SE18A-7(8) SE18A-10 SE18A-13	18.5	7(8) 10 13	3.0 2.6 2.2	66	Rp 3/4	480	775x1050x1050







SEC4A~SEC11A Outline drawing

Name	Spec.
Compressor dime.	800X620X810
Tank volume	0.16 m3
Power source	380V/3/50Hz

SE15A~SE18A Outline drawing

No.	Name	Spec.
a	Power Inlet	380V/3/50Hz
b	Forklift slot	50X160
c	Hot air outlet	650X690
d	Compressed air outlet	Rp 3/4
e	Air inlet	461X700

BELT DRIVE SERIES

SPECIFICATIONS OF SE22-45(KW)

MODEL	POWER kW	PRESSURE bar	AIR FLOW m^3/min	NOISE LEVEL dB(A)	OUTLET CONNECTION	WEIGHT Kg	DIMENSION L x W x H mm
SE22A-7 SE22A-8 SE22A-10 SE22A-13	22	7 8 10 13	3.8 3.6 3.2 2.8	68	Rp 1 1/4	620	860X1115X1340
SE30A-7 SE30A-8 SE30A-10 SE30A-13	30	7 8 10 13	5.2 5.0 4.5 3.7	70	Rp 1 1/4	680	860X1115X1340
SE37A-7 SE37A-8 SE37A-10 SE37A-13	37	7 8 10 13	6.8 6.6 5.8 4.8	70	Rp 1 1/2	850	1000X1300X1470
SE45A-7 SE45A-8 SE45A-10 SE45A-13	45	7 8 10 13	8.0 7.6 7.0 5.8	71	Rp 1 1/2	950	1000X1300X1470

FAD measured in accordance with ISO1217 (JB/6430-2002).
Outlet temperature = Ambient temperature + 8~10°c , Oil content: 1~3PPM.
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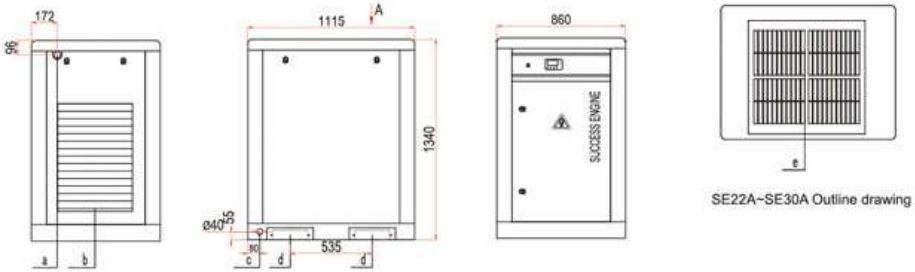
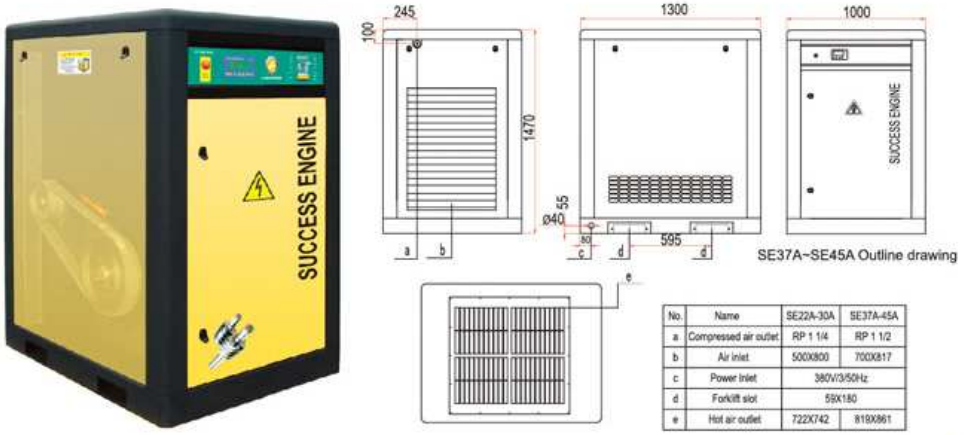


SE22A~SE30A Outline drawing



SE37A~SE45A Outline drawing

No.	Name	SE22A-30A	SE37A-45A
a	Compressed air outlet	RP 1 1/4	RP 1 1/2
b	Air inlet	500X800	700X817
c	Power Inlet	380V/3/50Hz	
d	Forklift slot	59X180	
e	Hot air outlet	722X742	819X861

BELT DRIVE SERIES

SPECIFICATIONS OF SE55-90(KW)

MODEL	POWER kW	PRESSURE bar	AIR FLOW m³/min	NOISE LEVEL dB(A)	OUTLET CONNECTION	WEIGHT Kg	DIMENSION L x W x H mm
SE55A-7 SE55A-8 SE55A-10 SE55A-13	55	7 8 10 13	10.8 10.0 9.0 7.8	74	Rp 2	1450	1150X1550X1660
SE75A-7 SE75A-8 SE75A-10 SE75A-13	75	7 8 10 13	13.8 13.0 11.8 9.8	75	Rp 2	1550	1150X1550X1660
SE90A(W)-7 SE90A(W)-8 SE90A(W)-10 SE90A(W)-13	90	7 8 10 13	16.0 15.0 13.6 11.0	75	Rp 2 1/2	1900	1750X1375X1740

FAD measured in accordance with ISO1217 (JB/T6430-2002).
Outlet temperature = Ambient temperature + 8~10°c, Oil content: 1~3PPM.
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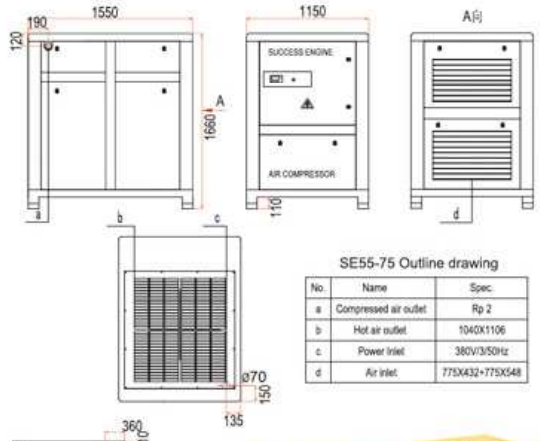
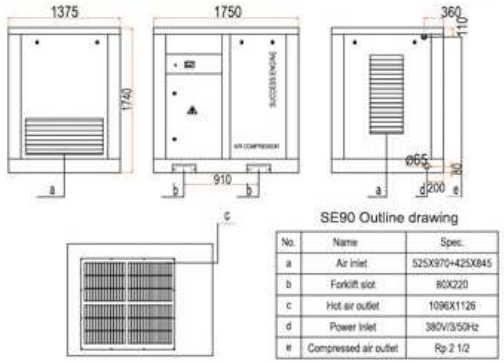


SE55-75 Outline drawing

No.	Name	Spec.
a	Compressed air outlet	Rp 2
b	Hot air outlet	1040X1106
c	Power Inlet	380V/3/50Hz
d	Air inlet	775X432+775X548



SE90 Outline drawing

No.	Name	Spec.
a	Air inlet	525X970+425X845
b	Forklift slot	80X220
c	Hot air outlet	1096X1126
d	Power Inlet	380V/3/50Hz
e	Compressed air outlet	Rp 2 1/2



DIRECT DRIVE SERIES

SPECIFICATIONS OF SE22-90(KW)

MODEL	POWER kW	PRESSURE bar	AIR FLOW m³/min	NOISE LEVEL dB(A)	OUTLET CONNECTION	WEIGHT Kg	DIMENSION L x W x H mm
SE22A-8/D SE30A-8/D	22 30	8 8	3.6 5.0	68 70	RP 1 1/4	630 690	1300X860X1340 1450X860X1340
SE37A-8/D SE45A-8/D	37 45	8 8	6.6 7.8	70 72	RP 1 1/2	870 960	1580X950X1470
SE55A-8/D SE55A-13/D	55	8 13	10.0 7.8	74	RP 2	1460	2000X1100X1585
SE75A-8/D SE75A-10/D	75	8 10	13.0 10.9	75	RP 2	1580	2000X1200X1585
SE90A-8/D SE90A-10/D SE90A-13/D	90	8 10 13	15.0 13.0 10.0	75	RP 2	1950	2000X1200X1585

FAD measured in accordance with ISO1217 (JB/T6430-2002).
Outlet temperature = Ambient temperature + 8~10°c, Oil content: 1~3PPM.
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Special Screw Compressor

This screw comoressor is speceial designed equipment for hostile working conditions, such as high temperature, dust pollution, high magnetic field and big voltage fluctuation place.

It have a unique struction with multi-function, adaptable to the hostile environment and bad working conditions, it is customized screw air compressor.



SPECIFICATIONS

MODEL	POWER kW	PRESSURE bar	AIR/FLOW m³/min	WEIGHT Kg	DIMENSION L x W x H mm
SETC37A-8	37	8.0	7.0	1520	3100X860X1630
SETC55A-8	55	8.0	9.0	1680	3100X860X1630
SETC75A-8	75	8.0	13.2	1920	3380X890X1830
SETC90A-8	90	8.0	16.0	2300	3860X960X1830

DIRECT DRIVE SERIES

SPECIFICATIONS OF SE110-220(KW)/D

MODEL	POWER kW	PRESSURE bar	AIR FLOW m³/min	NOISE LEVEL dB(A)	OUTLET CONNECTION	WEIGHT Kg	DIMENSION L x W x H mm
SE110A(W)-7/D SE110A(W)-8/D SE110A(W)-10/D SE110A(W)-13/D	110	7 8 10 13	20.5 20.0 17.0 13.6	75	DN65	2300	2166X1700X1918
SE132A(W)-7/D SE132A(W)-8/D SE132A(W)-10/D SE132A(W)-13/D	132	7 8 10 13	23.6 23.2 20.0 16.0	75	DN65	2500	2166X1700X1918
SE160A(W)-7/D SE160A(W)-8/D SE160A(W)-10/D SE160A(W)-13/D	160	7 8 10 13	27.2 26.6 24.5 20.8	76	DN65	2750	2466X1900X1918
SE180A(W)-7/D SE180A(W)-8/D SE180A(W)-10/D SE180A(W)-13/D	180	7 8 10 13	30.0 29.2 26.8 23.0	76	DN65	3000	2466X1900X1918
SE200A(W)-8/D SE200A(W)-10/D SE200A(W)-13/D	200	8 10 13	33.6 29.5 25.0	76	DN80	4500	2966X2000X1918
SE220A(W)-8/D SE220A(W)-10/D SE220A(W)-13/D	220	8 10 13	37.5 33.5 28.0	76	DN80	4800	2966X2000X1918

FAD measured in accordance with ISO1217 (JB/T6430-2002).
Outlet temperature = Ambient temperature + 8~10°C, Oil content: 1~3PPM.
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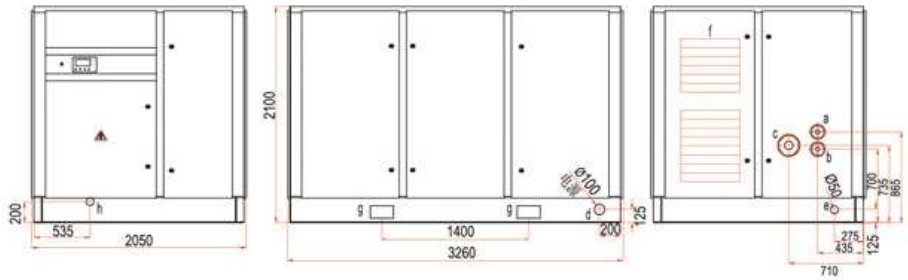



SE250A(W)~SE315A(W) Outline drawing

No.	Name	Spec.
a	Water inlet	DN 50
b	Water outlet	DN 50
c	Compressed air outlet	DN 80
d	Power	380V/3/50Hz
e	Automatic drain port	
f	Air inlet	580X1400
g	Forklift slot	120X220
h	Oil drain port	
i	Hot air outlet	

DIRECT DRIVE SERIES

SPECIFICATIONS OF SE250-630(KW)

MODEL	PRESSURE bar	AIR FLOW m³/min	POWER kW	CABLE V	NOISE LEVEL dB(A)	AIR(kW) WATER(m³/h)	OUTLET CONNECTION	WEIGHT Kg	DIMENSION L x W x H mm
SE250A(W)-8 SE280A(W)-10 SE315A(W)-13	8 10 13	45.0 45.0 45.0	250 280 315	380	78	7.5kW 25m³/h	DN100	6200	3260X2050X2030
SE250A(W)-8 SE280A(W)-10 SE315A(W)-13	8 10 13	45.0 45.0 45.0	250 280 315	6000/10000	78	7.5kW 25m³/h	DN100	7000	3934X2326X2100
SE280A(W)-8 SE315A(W)-8	8 8	49.6 55.0	280 315	380 6000/10000	80	11kW 30m³/h	DN125	8600 8800	4280X2326X2180
SE355W-8 SE355W-10	8 10	65.0 53.5	355	6000/10000	80	30m³/h	DN125	9200	4280X2326X2180
SE400W-8 SE400W-10 SE400W-13	8 10 13	72 62 53	400	6000/10000	82	40m³/h	DN125	9500	4280X2326X2180
SE450W-8 SE450W-10 SE450W-13	8 10 13	80 74 62	450	6000/10000	82	40m³/h	DN125	9500	4280X2326X2180
SE500W-8 SE500W-10 SE500W-13	8 10 13	95 85 72	500	6000/10000	85	60m³/h	DN200	10500	5062X2352X2438
SE560W-8 SE560W-10 SE560W-13	8 10 13	105 95 80	560	6000/10000	85	60m³/h	DN200	11000	5062X2352X2438
SE630W-8 SE630W-10 SE630W-13	8 10 13	115 105 90	630	6000/10000	86	60m³/h	DN200	11500	5062X2352X2438

FAD measured in accordance with ISO1217 (JB/T6430-2002).
Outlet temperature = Ambient temperature + 8~10°C, Oil content: 1~3PPM.
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VSD SERIES

SPECIFICATIONS OF SEVSD15-90(KW)

MODEL	POWER kW	PRESSURE bar	AIR FLOW m³/min	NOISE LEVEL dB(A)	OUTLET CONNECTION	WEIGHT Kg	DIMENSION L x W x H mm
SEVSD15A-8 SEVSD15A-10 SEVSD15A-13	15	8 10 13	0.5-2.3 0.4-2.0 0.3-1.6	65	Rp 3/4	430	775x1350x1050
SEVSD18A-8 SEVSD18A-10 SEVSD18A-13	18	8 10 13	0.6-3.0 0.5-2.6 0.4-2.2	65	Rp 3/4	490	775x1350x1050
SEVSD22A-8 SEVSD22A-10 SEVSD22A-13	22	8 10 13	0.7-3.6 0.5-3.2 0.4-2.8	67	Rp 1 1/4	670	860x1315x1340
SEVSD30A-8 SEVSD30A-10 SEVSD30A-13	30	8 10 13	1.3-5.0 1.0-4.5 0.7-3.7	70	Rp 1 1/4	730	860x1315x1340
SEVSD37A-8 SEVSD37A-10 SEVSD37A-13	37	8 10 13	1.6-6.6 1.3-5.8 1.0-4.8	70	Rp 1 1/2	910	1000x1500x1470
SEVSD37A-8/D SEVSD37A-10/D SEVSD37A-13/D	37	8 10 13	1.6-6.6 1.3-5.8 1.0-4.8	70	Rp 1 1/2	920	1580x950x1470
SEVSD45A-8 SEVSD45A-10 SEVSD45A-13	45	8 10 13	1.7-7.6 1.5-7.0 1.2-5.8	71	Rp 1 1/2	1020	1000x1500x1470
SEVSD55A-8 SEVSD55A-10 SEVSD55A-13	55	8 10 13	2.4-10.0 2.0-9.0 1.5-7.8	73	Rp 2	1550	1150x1760x1660
SEVSD55A-8/D SEVSD55A-10/D SEVSD55A-13/D	55	8 10 13	2.4-10.0 2.0-9.0 1.5-7.8	73	Rp 2	1570	2000x1100x1585
SEVSD75A-8 SEVSD75A-10 SEVSD75A-13	75	8 10 13	3.0-13.0 2.6-11.8 2.2-9.8	75	Rp 2	1860	1150x1760x1660
SEVSD75A-8/D SEVSD75A-10/D SEVSD75A-13/D	75	8 10 13	3.0-13.0 2.6-11.8 2.2-9.8	75	Rp 2	1960	2000x1200x1585
SEVSD90A-8/D SEVSD90A-10/D SEVSD90A-13/D	90	8 10 13	3.9-15.0 3.5-13.0 2.8-11.0	76	Rp 2	2100	2000x1200x1585

FAD measured in accordance with ISO1217 (JB/T6430-2002).
Outlet temperature = Ambient temperature+8~10°c, Oil content: 1~3PPM.
Specifications in this catalog are subject to change by SUCCESS ENGINE without notice and the detailed information is subject to Pre-sales consulting.

SUCCESS ENGINE

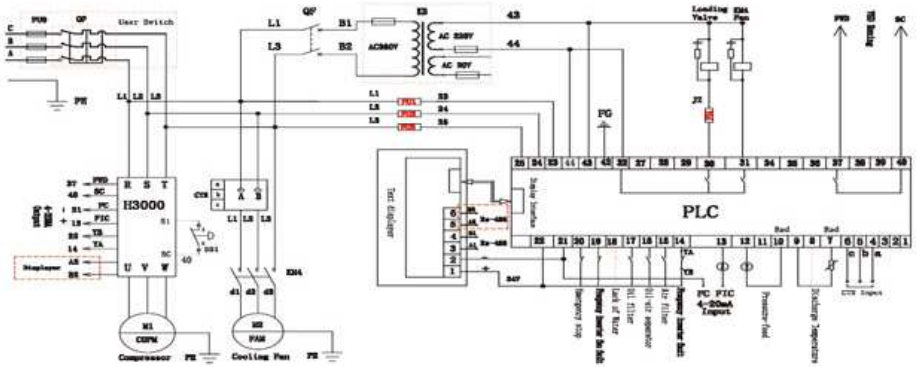
VSD SERIES

SPECIFICATIONS OF SEVSD110-315(KW)

MODEL	POWER kW	PRESSURE bar	AIR FLOW m³/min	NOISE LEVEL dB(A)	OUTLET CONNECTION	WEIGHT Kg	DIMENSION L x W x H mm
SEVSD110A-8 SEVSD110A-10 SEVSD110A-13	110	8 10 13	4.2-20.0 3.8-17.0 3.3-13.6	75	DN 65	2520	2166x1700x1918
SEVSD132A-8 SEVSD132A-10 SEVSD132A-13	132	8 10 13	6.0-23.5 5.8-20.2 4.0-16.0	75	DN 65	2720	2166x1700x1918
SEVSD160A-8 SEVSD160A-10 SEVSD160A-13	160	8 10 13	6.0-26.6 5.8-24.5 4.1-20.8	76	DN 65	3000	2466x1900x1918
SEVSD180A-8 SEVSD180A-10 SEVSD180A-13	180	8 10 13	7.2-29.2 6.4-26.8 5.2-23.0	76	DN 65	3000	2466x1900x1918
SEVSD220A-8 SEVSD220A-10 SEVSD220A-13	220	8 10 13	10.5-37.5 8.6-33.5 7.5-28.0	78	DN 80	4900	2780x2000x1918
SEVSD250W-8 SEVSD280W-10 SEVSD315W-13	250 280 315	8 10 13	12.2-45.0 12.0-45.0 12.0-45.0	78	DN 100	6600	3760x2050x2100
SEVSD250A-8 SEVSD280A-10 SEVSD315A-13	250 280 315	8 10 13	12.2-45.0 12.0-45.0 12.0-45.0	78	DN 100	6600	3760x2050x1918
SEVSD280W-8 SEVSD315A-13	280 315	8 8	15.0-49.6 13.8-55.0	80	DN 125	9200	4580x2326x2180

FAD measured in accordance with ISO1217 (JB/T6430-2002).
Outlet temperature = Ambient temperature+8~10°c, Oil content: 1~3PPM.
Specifications in this catalog are subject to change by SUCCESS ENGINE without notice and the detailed information is subject to Pre-sales consulting.

VSD Screw Compressor Electric Circuit Diagram



Middle - High Pressure Screw Air Compressor

SPECIFICATIONS OF SE15-250(KW)/D

MODEL	POWER kW	AIR FLOW m³/min	PRESSURE bar	OUTLET CONNECTION	WEIGHT Kg	DIMENSION L x W x H mm
SE15A-20	15	1.30	20	Rp 3/4	680	1020x750x1020
SE15A-25	15	1.20	25		680	
SE22A-30	22	1.15	30		720	
SE30A-20	30	2.60	20	Rp 1 1/2	830	1500x1000x1360
SE30A-25	30	2.40	25		830	
SE37A-30	37	2.15	30		900	
SE45A-20	45	3.50	20	Rp 1 1/2	950	1500x1000x1360
SE45A-25	45	3.30	25		950	
SE55A-20	55	4.20	20	Rp 2	1450	1950x1200x1580
SE55A-25	55	3.85	25		1450	
SE55A-30	55	3.10	30		1450	
SE75A-20	75	6.20	20	Rp 2	1600	1950x1200x1580
SE75A-25	75	5.50	25		1600	
SE75A-30	75	4.00	30		1600	
SE90A-20	90	8.20	20	Rp 2	2200	1200x1680x1960
SE90A-25	90	7.30	25		2200	
SE90A-30	90	5.60	30		2200	
SE110A-20	110	9.50	20	DN 65	2900	2450x1680x1960
SE110A-25	110	8.90	25		2900	
SE110A-30	110	7.25	30		2900	
SE132A-20	132	12.5	20	DN 65	3200	2450x1680x1960
SE132A-25	132	11.2	25		3200	
SE132A-30	132	8.60	30		3200	
SE160A-25	160	14.6	25	DN 65	3650	2850x1950x1950
SE180A-30	180	13.2	30		3850	
SE200A(W)-20	200	18.5	20	DN 80	4500	2980x2100x1950
SE200A(W)-25	200	17.3	25		4500	
SE220A(W)-20	220	22.6	20	DN 80	5200	2980x2100x1950
SE220A(W)-30	220	16.3	30		5200	
SE250A(W)-25	250	22.2	25	DN 80	6600	3250x2250x2050
SE250A(W)-30	250	20.2	30		6600	

FAD measured in accordance with ISO1217 (JB/T6430-2002).
Outlet temperature = Ambient temperature + 8~10℃, Oil content: 1~3PPM.
Specifications in this catalog are subject to change by SUCCESS ENGINE without notice and the detailed information is subject to Pre-sales consulting.





Oil-Free Screw Air Compressor (Water Lubricant)

1. Oil-free screw compressor features

a. Use purified water as the lubrication and cooling medium,no oil in the working system, the impurities, after lubrication water rinsing during the process of compression, was removed from the air,the cleanest air at the end was exhausted.

b. Ehausted temperssure is less than 50℃ with the speed of 2950 r/min,unique features:no need to use gear to increase speed , low speed,low exhaust temperature,low noise,small vibration,simple structure, and easy to maintain,stable and durable.

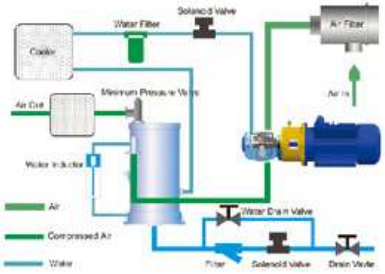
c. The woking principle is to spray purified water directly in the compression chamber.Because the higher specific heat of water, gas in the compression chamber is almost isothermal compression,which is the most ideal condition and lowest energy consum ption in the process of compression.

2. Specifications of ZW11-160 (KW)

MODEL	POWER kW	PRESSURE bar	AIR FLOW m³/min	NOISE LEVEL dB(A)	OUTLET CONNECTION	WEIGHT Kg	DIMENSION L x W x H mm
ZW11A-8	11	8	1.65	66	Rp 3/4	580	1060X800X1020
ZW11A-10		10	1.55				
ZW15A-8	15	8	2.50	67	Rp 3/4	620	1060X800X1020
ZW15A-10		10	2.25				
ZW18A-8	18	8	3.00	67	Rp 3/4	800	1460X860X1420
ZW18A-10		10	2.60				
ZW22A-8	22	8	3.60	68	Rp 1	860	1460X860X1420
ZW22A-10		10	3.20				
ZW30A-8	30	8	5.00	70	Rp 1	980	1460X860X1420
ZW30A-10		10	4.50				
ZW37A-8	37	8	6.60	71	Rp 1 1/2	1200	1680X1090X1600
ZW37A-10		10	5.80				
ZW45A-8	45	8	7.60	72	Rp 1 1/2	1280	1680X1090X1600
ZW45A-10		10	7.00				
ZW55A-8	55	8	10.0	74	Rp 2	1600	1900X1320X1560
ZW55A-10		10	9.00				
ZW75A-8	75	8	13.0	75	Rp 2	1860	1900X1320X1560
ZW75A-10		10	11.8				
ZW90A(W)-8	90	8	15.0	76	Rp 2	2300	1900X1320X1560
ZW90A(W)-10		10	13.2				
ZW110A(W)-8	110	8	20.5	78	DN 65	2800	2166X1900X1918
ZW110A(W)-10		10	17.0				
ZW132A(W)-8	132	8	23.5	78	DN 65	3100	2166X1900X1918
ZW132A(W)-10		10	20.2				
ZW160A(W)-8	160	8	26.0	79	DN 80	3300	2300X1700X2000
ZW160A(W)-10		10	24.0				

3. Compressor Picture & System Flowchat





Portable screw air compressor

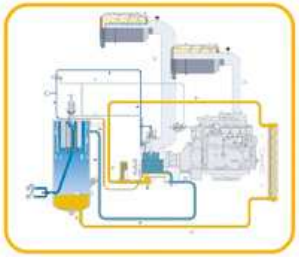


Highest fuel economy Vigorous Power

- Adopt PEV Necking combustion technology, small low inertia injector nozzle, sufficient burning. Further improve the low-speed torque.
- Adopt powerful oil-proof starting motor, strengthen the motor design to ensure the reliability and lifetime of the electrical system.
- Improve the capacity of the air filter, adopt PU air filter element, safer to protect, more convenient to maintain.
- Compact and beautiful design: Industrial modeling theory, low pressure pipe, good casting quality.



System Diagram



Driving stability Convenient to maintain

- With a highly efficient and stable driving function and the high ability of bias compensation.
- The connection between Flanged connection body and airend shaft can be dismantle in radial direction.



Rain proof and noise reduction, safe and reliable

- Adopt a rain-proof movable trailer whose outer housing is made of anti-corrosive quality steel, with good sealing and corrosion-resistant effects.
- Side window adopt automatic pressure support, open easily.
- Wheel steering mode: Wheel Steering, Single wheel steering and multi-wheel steering. Also it can be set to parking braking, service braking and emergency braking.
- Trailer with the following features: High speed, brake flexibly, turning smoothly and safety.



Exquisite quality Honest service

- Sound and light alarm, intelligent control system.
- Be equipped with a heavy-duty air filtering device to guarantee safely running of compressor.
- Easy to be maintained by built-in working light, increase the working efficiency.
- Satisfy different movable machines' requirements with multi-outlets.

Specifications

Model	Capacity (m^3/min)	Power kw(HP)	Fuel Tank Capacity (L)	Outlet Connection	L X W X H (MM)	Weight (KG)
YSE30-8	3.8	30/40	70	1×Rp1 1/4 + 2×Rp3/4	2500×1400×1500	1280
YSE50-8	6.2	50/65	100	1×Rp1 1/2 + 2×Rp3/4	2800×1400×1500	1650
YSE90-8	10.8	90/120	180	1×Rp2 + 2×Rp1 1/2	3900×1800×1750	2500
YSE110-8	15	110/150	270	1×Rp2 1/2 + 2×Rp1 1/2	3900×1800×1750	3350
YSE160-8	20	160/220	400	1×Rp2 1/2 + 2×Rp1 1/2	4200×1800×2100	4600

WHY THE COMPRESSED AIR NEED DRYING





The compressed air contains some water vapour which relative humidity is 100%. As the air vapour cooled down in the pipe, it condensed into water. The presence of water in the air-compressing system may causes many disadvantages:

- More costs for the function and maintenance of instrument, electromagnetic valve, cylinder etc. and lower efficiency, even the interruption of production.
- More costs for the presence of condenser, separator,and blow-off line.
- Lower processing quality ,especially for spraying lacquer,sand blasting plant,air-operated system,foodstuff,pharmaceuticals industry,etc.

The dry extent of the compressed air is associated with the dew point. At constant barometric pressure, for the water vapor component to condense into water, called dew point.

SPECIFICATIONS OF DA SERIES REFRIGERATION DRYERS

MODEL	CAPACITY (m^3/min)	ELECTRICITY (V/P/Hz)	POWER (W)	L × W × H (mm)	WEIGHT (Kg)	INLET/OUTLET
DA-14	1.4	220/1/50	800	640x350x590	60	G 1
DA-18	1.8	220/1/50	800	640x350x590	60	G 1
DA-26	2.6	220/1/50	800	640x350x590	60	G 1
DA-38	3.8	220/1/50	1200	750x460x680	78	G 1
DA-55	5.5	220/1/50	1300	810x460x680	85	G 1 1/2
DA-69	6.9	220/1/50	1400	980x520x735	120	G 1 1/2
DA-85	8.5	220/1/50	2500	1100x645x975	150	G 2
DA-108	10.8	380/3/50	3100	1350x690x1120	195	DN50
DA-145	14.5	380/3/50	3200	1500x775x1110	250	DN50
DA-165	16.5	380/3/50	3300	1500x775x1110	280	DN65
DA-195	19.5	380/3/50	4800	1500x775x1110	320	DN65
DA-225	22.5	380/3/50	4800	1500x775x1110	320	DN65
DA-285	28.5	380/3/50	5200	1510x850x1360	420	DN80
DA-360	36.0	380/3/50	5600	1510x850x1360	520	DN80
DA-430	43.0	380/3/50	6800	1510x850x1360	630	DN100
DA-520	52.0	380/3/50	7500	2060x860x1400	750	DN100
DA-630	63.0	380/3/50	8500	2060x860x1400	780	DN125
DW-800	80.0	380/3/50	9700	2060x1050x1560	950	DN125

Using Conditions
1. Working pressure: standard 7 bar, (≤10 bar)
2. Inlet Temperature: standard 45℃ (≤80℃).
3. Dew Point Temperature: 2℃ ~ 10℃.

SPECIFICATIONS OF DH SERIES HEATLESS REGENERATION DRYERS

MODEL	CAPACITY (m^3/min)	INLET/OUTLET	L × W × H (mm)	WEIGHT (Kg)	MODEL	CAPACITY (m^3/min)	INLET/OUTLET	L × W × H (mm)	WEIGHT (Kg)
DH-12	1.2	G 1	760x350x1650	121	DH-220	22	DN 65	1300x550x2175	625
DH-26	2.6	G 1	760x350x1650	150	DH-270	27	DN 65	1500x600x2050	650
DH-36	3.6	G 1 1/2	1200x500x1485	300	DH-320	32	DN 80	1500x600x2050	700
DH-55	5.5	G 1 1/2	1200x520x1485	300	DH-450	45	DN 100	1600x700x2279	850
DH-69	6.9	DN 50	1200x500x1850	405	DH-550	55	DN 100	1600x700x2279	950
DH-85	8.5	DN 50	1200x500x1850	495	DH-650	65	DN 125	2100x900x2590	1050
DH-110	11	DN 50	1300x500x1950	500	DH-850	85	DN 125	2400x1050x2720	1250
DH-135	13.5	DN 50	1300x550x1950	550	DH-1100	110	DN 150	2760x1200x2900	1500
DH-170	17	DN 65	1300x550x2175	600	DH-1400	140	DN 150	2760x1200x2900	1800

All products are designed according to the international standard ISO7183-B.
Inlet temperature: < 40℃, Working pressure: ≤10bar.
Dew Point Temperature: ≤-40℃, Regeneration consumes the tolerance: ≤15%.

ELEMENTS FILTRATION RATING

	GRADE P	GRADE A	GRADE F	GRADE AC	GRADE AD
FUNCTION	PRE-FILTER	AFTER-FILER	FINAL-FILER	ACTIVATED CARBON	STERILE FILFER(Stainless steel box)
PARTICLE REMOVAL	1μm	1μm	0.01μm	Odourless	Oilless, odourless, bacteria-free, low dew point
OIL CONTENT	1ppm	0.1ppm	0.01ppm	0.003ppm	Oilless, odourless, bacteria-free, low dew point

Grade AD: Blocking bacteria and bacteriophages efficiently in compressed air with steam at 200℃ passing through regularly to sterilize. Times of recycle:100.

When pressure is not 7 bar, their capacities should divided by correctness parameter listed in the following table. Then, select models needed.

Pressure: bar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Correctness parameter	0.25	0.37	0.5	0.62	0.75	0.87	1	1.12	1.25	1.37	1.5	1.62	1.75	1.87	2	2.12

SPECIFICATIONS OF SF SERIES HIGH EFFICIENCY FILTER

MODEL	CAPACITY (m^3/min)	CONNECTIONS	ELEMENTS MODEL & QUANTITY	DIMENSIONS (mm) L	H
SF18-**	1.80	G 1	E-16x1	104	243
SF26-**	2.60	G 1	E-20x1	104	313
SF38-**	3.80	G 1 1/2	E-24x1	138	424
SF55-**	5.50	G 1 1/2	E-28x1	138	424
SF69-**	6.90	G 1 1/2	E-32x1	138	624
SF100-**	10.00	G 2	E-36x1	138	624
SF140-**	14.00	G 2	E-40x1	148	685
SF165-**	16.50	G 2 1/2	E-44x1	148	825
SF180-**	18.00	G 2 1/2 DN65	E-44x1	300	940
SF220-**	22.00	G 2 1/2 DN65	E-48x1	150	1000
SF280-***	28.00	DN80	E-40x2	336	1118
SF360-**	36.00	DN80	E-44x2	500	1150
SF540-**	54.00	DN100	E-44x3	500	1150
SF720-**	72.00	DN125	E-44x4	600	1250
SF900-**	90.00	DN150	E-44x5	600	1250

Referred to a pressure of 7 bar. ****- elements filtration rating

Max working pressure:13 bar



COMPRESSED AIR RECEIVER

Main specifications & basic fixed dimensions

Model	m^3	Bar	Φ1	H_1	H_2	H_3	Materials	c	a、b	Kg
C-0.3/8	0.3	8	550	1594	642	1242	Q235-B	RP3/4	DN50	121
C-0.3/10		10		1594	642	1242	Q235-B			139
C-0.3/13		13		1598	644	1244	Q235-B			167
C-0.6/8	0.6	8	700	1905	680	1550	Q235-B	RP3/4	DN65	185
C-0.6/10		10		1907	681	1551	Q235-B			217
C-0.6/13		13		1909	682	1552	Q235-B			265
C-1/8	1	8	800	2305	690	1920	Q235-B	RP1	DN65	283
C-1/10		10		2307	691	1921	Q235-B			324
C-1/13		13		2305	690	1920	Q345R			283
C-1.5/8	1.5	8	1000	2265	760	1810	Q345R	RP1	DN65	348
C-1.5/10		10		2265	760	1810	Q345R			348
C-1.5/13		13		2267	761	1811	Q345R			385
C-2/8	2	8	1000	2780	760	2320	Q345R	RP1 1/4	DN80	416
C-2/10		10		2780	760	2320	Q345R			416
C-2/13		13		2782	761	2321	Q345R			504
C-2.5/8	2.5	8	1000	3300	760	2840	Q345R	RP1 1/4	DN80	486
C-2.5/10		10		3300	760	2840	Q345R			486
C-2.5/13		13		3302	761	2841	Q345R			583
C-3/8	3	8	1200	2920	850	2410	Q345R	RP1 1/2	DN80	562
C-3/10		10		2922	851	2411	Q345R			648
C-3/13		13		2926	853	2413	Q345R			851
C-4/8	4	8	1400	3030	910	2470	Q345R	RP1 1/2	DN100	790
C-4/10		10		3032	911	2471	Q345R			790
C-6/8	6	8	1400	4330	910	3620	Q345R	RP2	DN125	1060
C-6/10		10		4332	911	3621	Q345R			1060
C-10/8	10	8	2000	3754	1082	2962	Q345R	RP2 1/2	DN150	1610
C-10/10		10		3756	1083	2963	Q345R			1743



