

# RENAIR

*Life with Air*

**SCREW COMPRESSORS**  
5.5 kW / 7.5 hp - 22 kW / 30 hp



**5 Year Airend  
Warranty**



**SFB, SVB Series**

## SFB Series for Small Industries Applications



Automobile Workshops



Garment Manufacturing



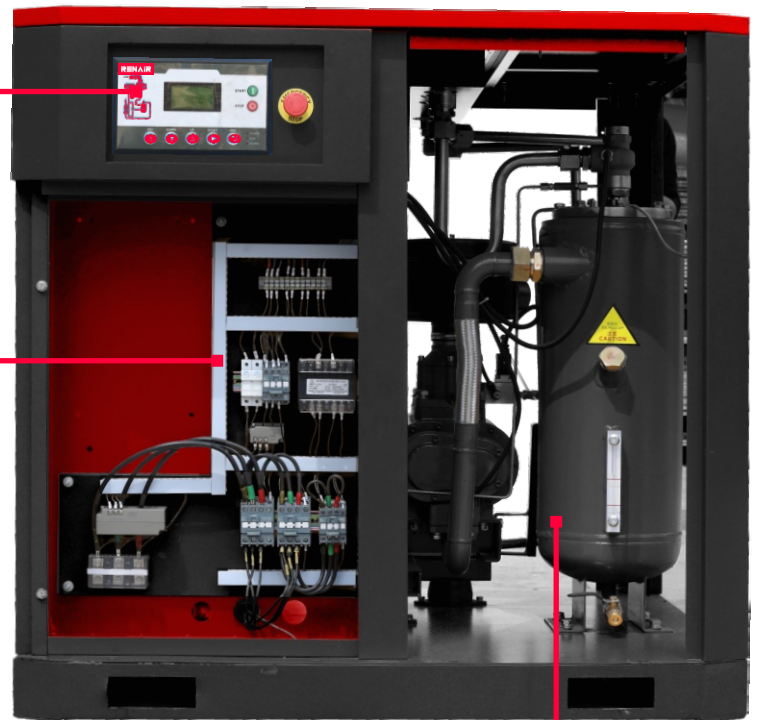
Food Processing



All-in-one Compressor controller LCD Panel offering operation friendly and maintenance monitoring system.



State-of-the-art Electrical control Panel using SIEMENS/SCHNEIDER products with Safety protections.



3-Stage Oil separation system ensuring long replacement life of oil and oil separator cartridge.



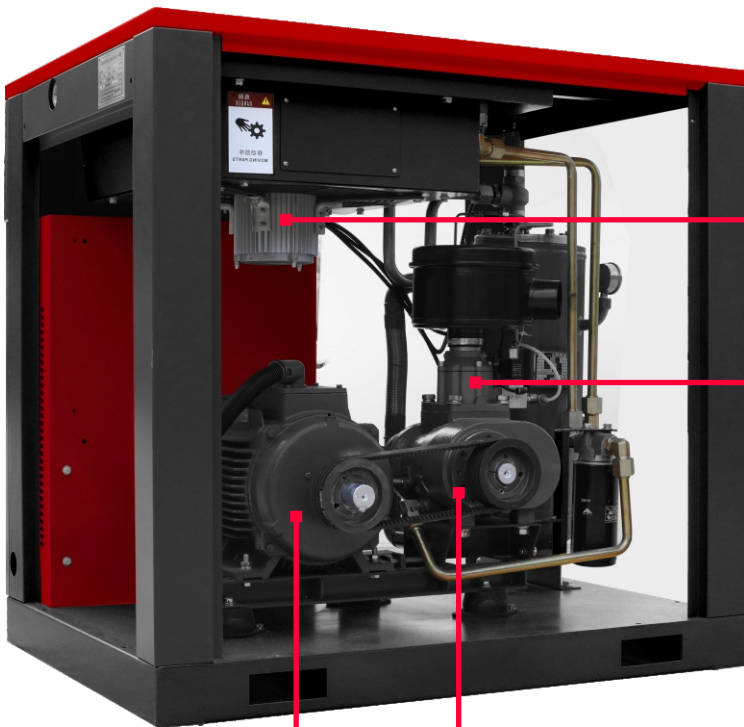
**Wood Working**



**CNC Machine Shops**



**General Engineering**



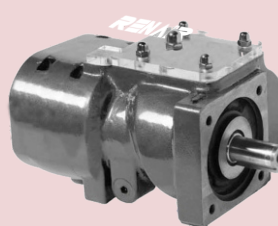
Efficient Cooling System ensuring low discharge temperature and offering Longer Components life.



Auto-adjustable Intake air System offering lower maintenance and better stability.

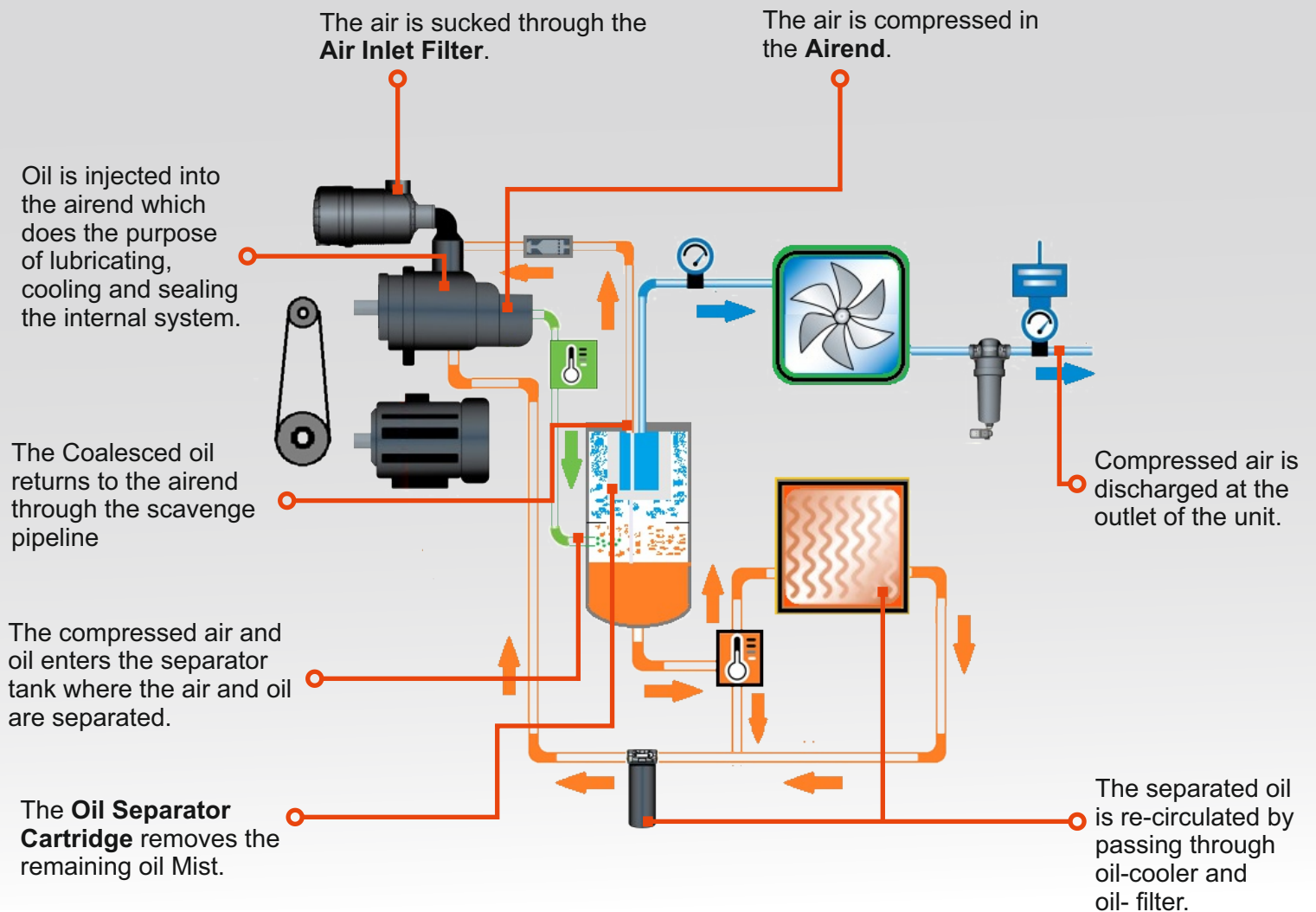


Premium efficiency IE-3 Motors with IP-54 protection class and Class F Insulation offering high efficiency.

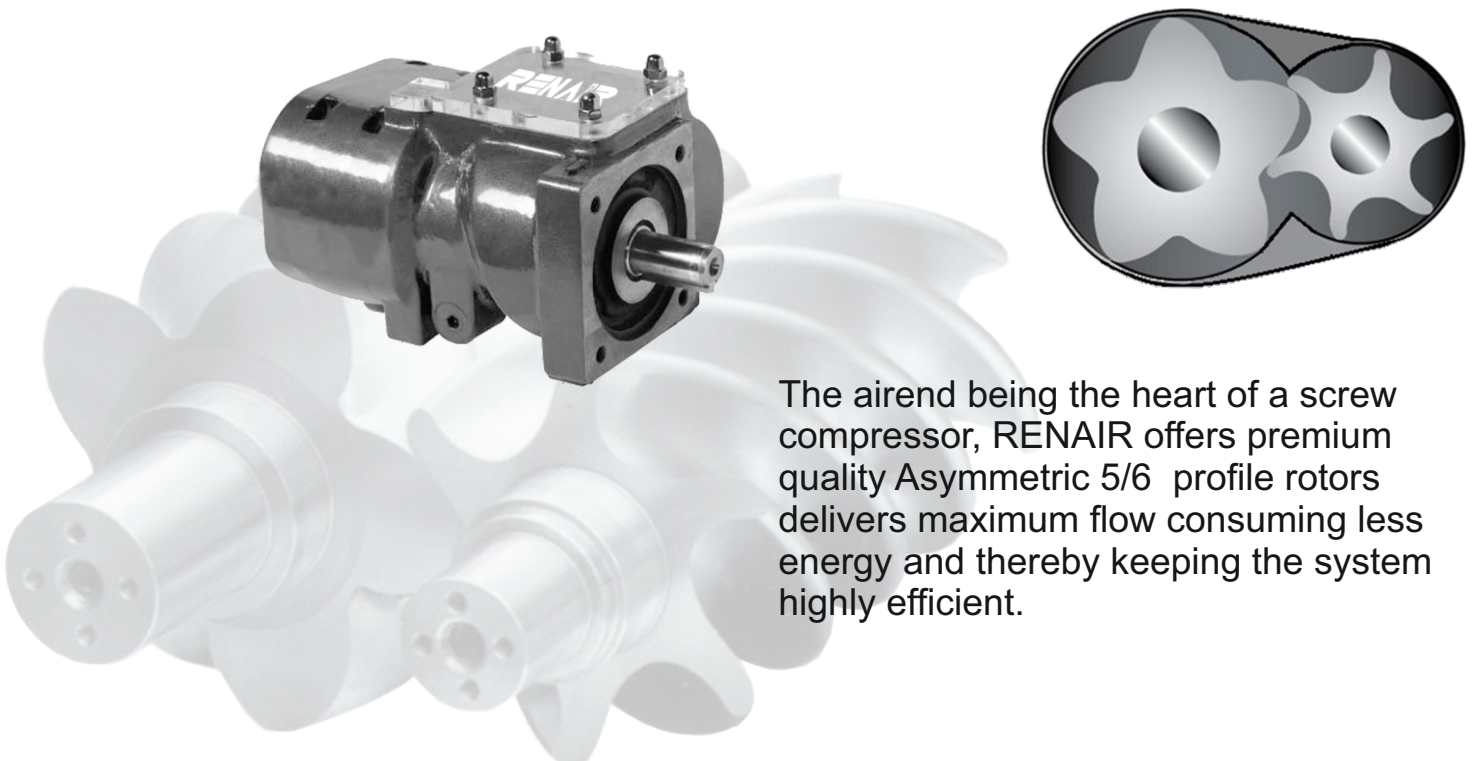


Bigger 5/6 profile Airends running at lower speeds offering Higher efficiency with less moving parts for longer life.

## How it Works:



## The Airend:



The airend being the heart of a screw compressor, RENAIR offers premium quality Asymmetric 5/6 profile rotors delivers maximum flow consuming less energy and thereby keeping the system highly efficient.

## SFB Series – Floor Mounted Screw Compressors



### The smart choice for today's industries

The best-in-class SFB series fixed speed, belt-driven, rotary screw air compressors that deliver outstanding performance with higher air volume flow is the ideal choice for many industries today.

Renair's SFB series fixed speed rotary screw air compressors has a unique combination of simplicity with cutting edge design which exceeds the performance expectations while it always maintains higher efficiency levels.

Renair SFB Series compressors are built with superior quality, sound insulating enclosure panels, thermostatic controlled motor driven fan. The best quality components within the unit ensures the noise to whisper levels and also can avoid the need for a separate compressor room thereby saving money on space and installation cost.

Compressor Model	Motor Power		Working Pressure		Free Air Delivery		Noise Level dB(A)	Dimension L x B x H mm	Weight Kgs	Air Outlet Connection
	KW	HP	Kg/Cm2 G	Psi G	m3/Min	CFM				
SFB 7	5.5	7.5	8	114	0.85	30	60	800 x 650 x 880	223	G 3/4"
			10	142	0.76	27				
			13	185	0.59	21				
SFB 10	7.5	10	8	114	1.30	46	60	940 x 720 x 1030	315	G 3/4"
			10	142	1.10	39				
			13	185	0.85	30				
SFB 15	11	15	7	100	2.10	74	60	1070 x 670 x 950	325	G 3/4"
			8	114	1.98	70				
			10	142	1.67	59				
			13	185	1.39	49				
SFB 20	15	20	7	100	2.89	102	60	1200 x 820 x 1135	440	G 1"
			8	114	2.60	92				
			10	142	2.35	83				
			13	185	2.04	72				
SFB 25	18.5	25	8	114	3.60	127	60	1200 x 820 x 1135	470	G 1"
			10	142	3.03	107				
			13	185	2.46	87				
SFB 30	22	30	7	100	3.99	141	60	1200 x 820 x 1135	500	G 1"
			8	114	3.79	134				
			10	142	3.45	122				
			13	185	2.97	105				

## SFB T Series – Tank Mounted Screw Compressors



### *The smart choice for today's industries*

The best-in-class SFB-T series tank mounted, belt-driven, fixed-speed rotary screw compressors ensures to offer solution not only with higher air flow for lesser energy consumption but also ensures lesser space consumption which is the ideal and smart choice for many industries today.

The smaller footprint Renair's SFB-T series fixed speed rotary screw air compressors has an unique combination of simplicity with cutting edge design which exceeds the performance expectations while it always maintains higher efficiency levels

Renair SFB-T Series compressors are built with superior quality, sound insulating enclosure panels, thermostatic controlled motor driven fan. The best quality components within the unit ensures the noise to whisper levels and also can avoid the need for a separate compressor room thereby saving money on space and installation cost.

Compressor Model	Motor Power		Working Pressure		Free Air Delivery		Tank Size	Noise Level	Dimension	Weight
	KW	HP	Kg/Cm <sup>2</sup> G	Psi G	m <sup>3</sup> /Min	CFM	Ltrs	dB(A)	L x B x H mm	Kgs
SFB 7 T	5.5	7.5	8	114	0.85	30	300	60	1600 x 650 x 1330	388
			10	142	0.76	27				
			13	185	0.59	21				
SFB 10 T	7.5	10	8	114	1.30	46	500	60	1600 x 720 x 1730	480
			10	142	1.10	39				
			13	185	0.85	30				
SFB 15 T	11	15	7	100	2.10	74	500	60	1600 x 670 x 1650	490
			8	114	1.98	70				
			10	142	1.67	59				
			13	185	1.39	49				
SFB 20 T	15	20	7	100	2.89	102	500	60	1600 x 820 x 1835	605
			8	114	2.60	92				
			10	142	2.35	83				
			13	185	2.04	72				
SFB 25 T	18.5	25	8	114	3.60	127	500	60	1600 x 820 x 1835	635
			10	142	3.03	107				
			13	185	2.46	87				
SFB 30 T	22	30	7	100	3.99	141	500	60	1600 x 820 x 1835	665
			8	114	3.79	134				
			10	142	3.45	122				
			13	185	2.97	105				

## SFB TD Series – Tank Mounted, Dryer Integrated Screw Compressors

### The smart choice for today's industries

When moisture free compressed air is preferred along with higher efficiency, Renair's Best-in-class, SFB TD series tank mounted, belt-driven, rotary screw compressor integrated with refrigeration dryer would be the ideal solution to offer clean, moisture free compressed air for many industries today.

Additionally, the space utilized for the entire air station is very much lesser as it is offered with the smallest footprint.

The offered refrigeration air dryer unit is efficiently designed & built to work for maximum air flow offering effective dew point and handle the air flow even under extreme weather conditions.

The entire unit as an air station can be mounted on a surface floor and avoid any special foundations.



Compressor Model	Motor Power		Working Pressure		Free Air Delivery		Tank Size Ltrs	Noise Level dB(A)	Air Dryer KW	Dimension L x B x H mm	Weight Kgs
	KW	HP	Kg/Cm <sup>2</sup> G	Psi G	m <sup>3</sup> /Min	CFM					
SFB 7 TD	5.5	7.5	8	114	0.85	30	300	60	0.32	1600 x 650 x 1330	428
			10	142	0.76	27					
			13	185	0.59	21					
SFB 10 TD	7.5	10	8	114	1.30	46	500	60	0.36	1600 x 720 x 1730	525
			10	142	1.10	39					
			13	185	0.85	30					
SFB 15 TD	11	15	7	100	2.10	74	500	60	0.36	1600 x 670 x 1650	535
			8	114	1.98	70					
			10	142	1.67	59					
			13	185	1.39	49					
SFB 20 TD	15	20	7	100	2.89	102	500	60	0.55	1600 x 820 x 1835	650
			8	114	2.60	92					
			10	142	2.35	83					
			13	185	2.04	72					
SFB 25 TD	18.5	25	8	114	3.60	127	500	60	0.55	1600 x 820 x 1835	685
			10	142	3.03	107					
			13	185	2.46	87					
SFB 30 TD	22	30	7	100	3.99	141	500	60	0.55	1600 x 820 x 1835	715
			8	114	3.79	134					
			10	142	3.45	122					
			13	185	2.97	105					

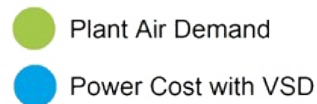
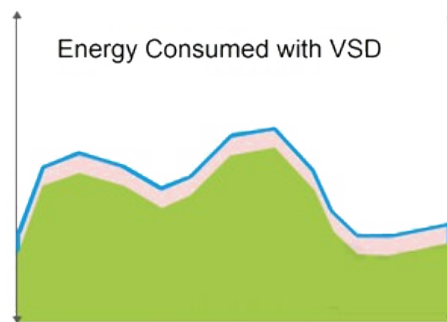
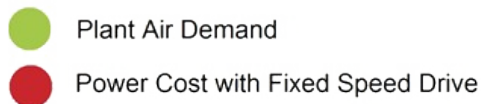
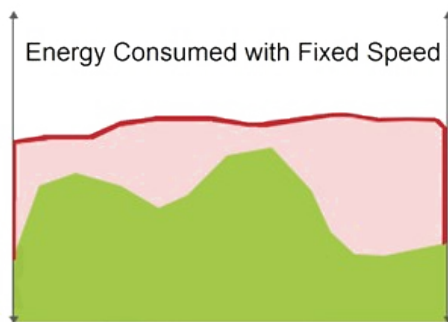
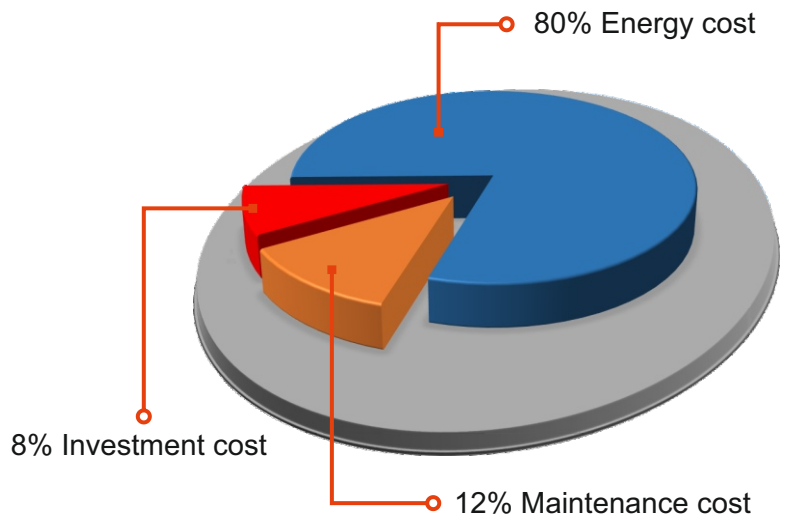


## SVB – Variable Speed Screw Compressors

A fixed solution for varying air demands

When the air demand fluctuates in your plant, RENAIR's SVB range variable speed rotary screw air compressors offers the ultimate solutions with consistent performance and flexible operation in the most efficient way. It can efficiently and reliably handle the varying air demand.

The largest cost of a compressor during its lifetime is the power required to operate it and the energy cost amounts to 80% of its life cycle costs.



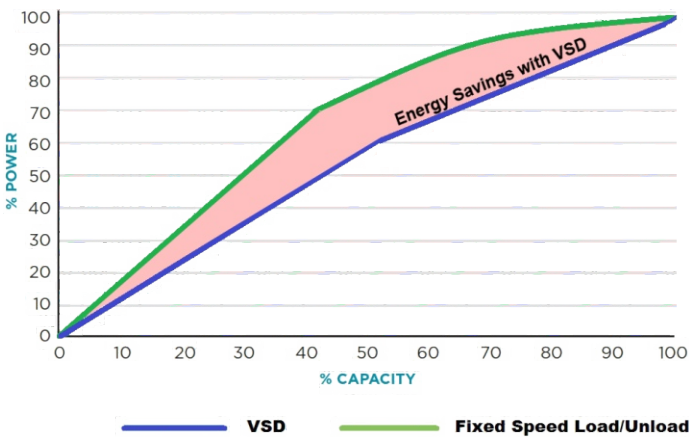
The conventional fixed speed compressors work with the principle of full load and no load control operating between two set pressure points. The compressor goes off load when the maximum pressure is reached and the power consumed during the idle running can be excessive and large amount of energy is wasted.

The variable speed drive compressors understand the plant air demand and adjust the flow in accordance to the air demand. The VSD compressors ensure there is no energy wastage when the air demand is low thereby reducing the compressor's life cycle cost.



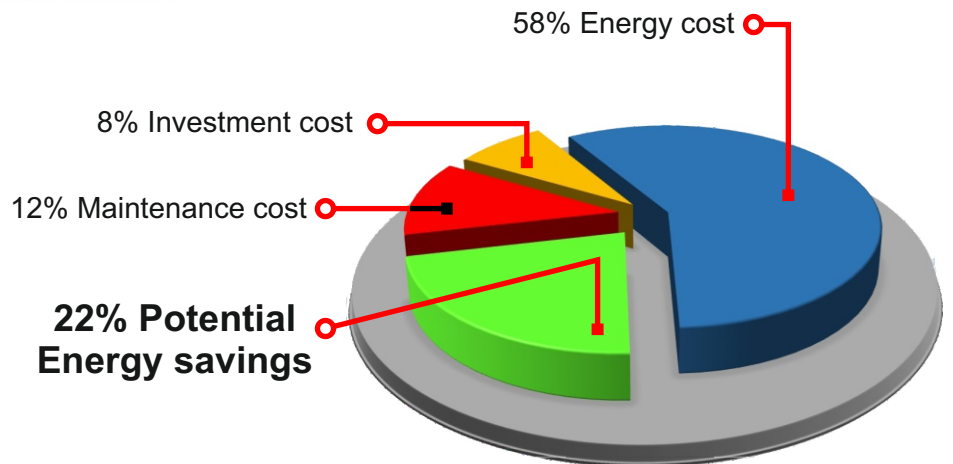


**Variable Speed Drive**



Most of the times, you never know the actual air demand and may fluctuate based on the production capacity in the plant during when the fixed speed compressors keeps loading and unloading due to which an unknown amount of energy is wasted. The variable speed drive compressor understands the demand and produces compressed air only for the required demand and saves a large amount of energy.

RENAIR's SVB range of variable speed rotary screw compressors reduces energy costs up to 35% and ensures it saves money throughout its lifetime.



## SVB Series - Floor Mounted VSD Screw Compressors



### A fixed solution for varying air demands

The smart SVB series variable speed, belt-driven, rotary screw air compressors that deliver outstanding performance with higher air volume flow is the ideal choice for many industries today.

Renair's SVB range variable speed rotary screw air compressors offers the ultimate solutions with consistent performance and flexible operation in the most efficient way. It can efficiently and reliably handle the varying air demand.

Renair SVB Series compressors are built with superior quality, sound insulating enclosure panels, thermostatic controlled motor driven fan.

The VSD compressors ensure there is no energy wastage when the air demand is low thereby reducing the compressor's life cycle cost.

Compressor Model	Motor Power		Working Pressure		Free Air Delivery Min - Max		Noise Level dB(A)	Dimension L x B x H mm	Weight Kgs	Air Outlet Connection
	KW	HP	Kg/Cm <sup>2</sup> G	Psi G	m <sup>3</sup> /Min	CFM				
SVB 7	5.5	7.5	8	114	0.26 - 0.85	09 - 30	60	800 x 650 x 880	223	G 3/4"
			10	142	0.23 - 0.76	08 - 27				
			13	185	0.18 - 0.59	06 - 21				
SVB 10	7.5	10	8	114	0.39 - 1.30	14 - 46	60	940 x 720 x 1030	315	G 3/4"
			10	142	0.33 - 1.10	12 - 39				
			13	185	0.26 - 0.85	09 - 30				
SVB 15	11	15	7	100	0.63 - 2.10	22 - 74	60	1070 x 670 x 950	325	G 3/4"
			8	114	0.59 - 1.98	21 - 70				
			10	142	0.50 - 1.67	18 - 59				
			13	185	0.42 - 1.39	15 - 49				
SVB 20	15	20	7	100	0.87 - 2.89	31 - 102	60	1200 x 820 x 1135	440	G 1"
			8	114	0.78 - 2.60	28 - 92				
			10	142	0.71 - 2.35	25 - 83				
			13	185	0.61 - 2.04	22 - 72				
SVB 25	18.5	25	8	114	1.08 - 3.60	38 - 127	60	1200 x 820 x 1135	470	G 1"
			10	142	0.91 - 3.03	32 - 107				
			13	185	0.74 - 2.46	26 - 87				
SVB 30	22	30	7	100	1.20 - 3.99	42 - 141	60	1200 x 820 x 1135	500	G 1"
			8	114	1.14 - 3.79	40 - 134				
			10	142	1.04 - 3.45	37 - 122				
			13	185	0.89 - 2.97	31 - 105				

**SVB T Series – Tank Mounted Screw Compressors**

**SVB TD Series - Tank Mounted, Dryer Integrated Screw Compressors**



Compressor Model	Motor Power		Working Pressure		Free Air Delivery Min - Max		Tank Size Ltrs	Noise Level dB(A)	Air Dryer KW	Dimension L x B x H mm	Weight Kgs
	KW	HP	Kg/Cm2 G	Psi G	m3/Min	CFM					
SVB 7 T/TD	5.5	7.5	8	114	0.26 - 0.85	09 - 30	300	60	0.32	1600 x 650 x 1330	388 / 428
			10	142	0.23 - 0.76	08 - 27					
			13	185	0.18 - 0.59	06 - 21					
SVB 10 T/TD	7.5	10	8	114	0.39 - 1.30	14 - 46	500	60	0.36	1600 x 720 x 1730	480 / 525
			10	142	0.33 - 1.10	12 - 39					
			13	185	0.26 - 0.85	09 - 30					
SVB 15 T/TD	11	15	7	100	0.63 - 2.10	22 - 74	500	60	0.36	1600 x 670 x 1650	490 / 535
			8	114	0.59 - 1.98	21 - 70					
			10	142	0.50 - 1.67	18 - 59					
SVB 20 T/TD	15	20	7	100	0.87 - 2.89	31 - 102	500	60	0.55	1600 x 820 x 1835	605 / 650
			8	114	0.78 - 2.60	28 - 92					
			10	142	0.71 - 2.35	25 - 83					
SVB 25 T/TD	18.5	25	8	114	1.08 - 3.60	38 - 127	500	60	0.55	1600 x 820 x 1835	635 / 685
			10	142	0.91 - 3.03	32 - 107					
			13	185	0.74 - 2.46	26 - 87					
SVB 30 T/TD	22	30	7	100	1.20 - 3.99	42 - 141	500	60	0.55	1600 x 820 x 1835	665 / 715
			8	114	1.14 - 3.79	40 - 134					
			10	142	1.04 - 3.45	37 - 122					
			13	185	0.89 - 2.97	31 - 105					

Unit performance measured according ISO 1217 ed. 4 2009, annex E, latest edition.

Mean noise level measured at a distance of 1 m according to ISO 2151: 2004 using ISO 9614/2 (sound intensity method); tolerance 3 dB(A). Reference conditions:- Absolute inlet pressure 1 bar (14.5 psi).- Intake air temperature 20°C, 68°F.

# RENAIR

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\* Products and Specifications are subject to change without prior notice.

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