

# SB Variable Speed Base Mount Air Compressors

25hp – 75hp

UP TO 35%  
POWER SAVINGS



Inverter utilised to largely increase operation efficiency and power savings

Phase reversal protection, Overheat protection, Motor TH Protection, Emergency stop protection, Over Pressure protection

Compact design ensures minimal footprint with maximum quality compressed air

Very quiet full load operation – standard conversation can be held right next to the machine

5 Year / 10,000h warranty

## DESCRIPTION

The SB Variable Speed Base Mount series utilises an inverter connected to the drive supply system to greatly increase efficiency and savings.

They are perfectly designed to optimize energy consumption when running at intervals. Direct-driven with an innovative separator tank device and the use of energy efficient motors, the SB VSD compressors offer remarkable advantages in terms of being user friendly, very reliable, ensuring high energy savings, low noise levels and reduced maintenance costs.

The SB VSD series, installed in systems with varying air consumption, ensures reduction of energy costs as it is able to adjust the speed of the electric motors rpm and accordingly the speed of the air end depending on air usage. This is all based on the customers consumption of compressed air being maintained at different flow levels. This operation mode saves energy by establishing an ideal balance between energy consumption and compressed air release.

Compressors with inverter technology and controlling speed are capable of adjusting the release of compressed air to the real consumption.

The electronic controller monitors and controls the electric motor and air-end speed, adjusting the airflow rate release to a consistent and steady pressure in an entire factory.



MODEL	MOTOR POWER		PRESSURE		FLOW RATE		NOISE LEVEL	POWER	OUTLET	DIMENSIONS	WEIGHT	D-CURVE BREAKER
	kW	Hp	Bar	Psi	l/min	C.F.M						
SB250V	18.5	25	8	116	2920	103	66	400/50/3	1-1/4"	1660 x 760 x 1420	556	40
			10	145	2560	90						
			13	188	2230	79						
SB300V	22	30	8	116	3500	124	66	400/50/3	1-1/4"	1660 x 760 x 1420	601	50
			10	145	3000	106						
			13	188	2420	86						
SB400V	30	40	8	116	4710	166	66	400/50/3	1-1/4"	1660 x 760 x 1420	657	63
			10	145	4060	143						
			13	188	3370	119						
SB500V	37	50	8	116	6370	225	68	400/50/3	1-1/2"	1940 x 1070 x 1800	984	75
			10	145	5610	198						
			13	188	4770	168						
SB600V	45	60	8	116	7500	265	70	400/50/3	1-1/2"	1940 x 1070 x 1800	1057	90
			10	145	6700	237						
			13	188	5800	205						
SB750V	55	75	8	116	9000	318	70	400/50/3	1-1/2"	1940 x 1070 x 1800	1215	110
			10	145	8000	283						
			13	188	6500	230						



### COMPACT AIR-ENDS INTEGRATED IN JUST ONE SYSTEM

Manufactured with the objective of an efficient and long-lasting steady performance, all our air-ends guarantee a better air flowrate with minimum energy consumption. Equipped with wear and-tear resistant bearings and highly sophisticated machined components, these air-ends output an extremely low level of noise during their work phase and require very low maintenance costs.

The premium quality pumping system integrated with the reservoir unit allows reduced overall dimensions whilst still ensuring the operation and output of larger footprint machines. This compact footprint is achieved by grouping together the following components: Oil-injected air-end, Minimum pressure valve, Thermostatic valve, Intake valve and reservoir oil tank.

### AIR-OIL RADIATORS

The incorporated radiators are designed with a wide exchange surface and designed to maintain a low level of flows and air even in an environmental condition with high temperatures. This further reduces noise output without sacrificing operation or output. Vacuum-brazed radiators in aluminium alloy with highly efficient tubular parts ensure the efficient cooling of the compressor within the set targets and parameters.

### NOISE KEPT TO A MINIMUM

The SB Fixed Speed Base Mount Series is fitted with a professional grade double thickness soundproofing foam with fire retardant and oil resistant characteristics for maximum protection and easy cleaning.



### THE CONVENIENCE OF A KTRONIC 100 CONTROLLED TOUCH SCREEN

A KTRONIC 100 controlled touch screen is included on all the SB VSD series ensuring the increased performance and efficiency are easily monitored. The KTRONIC 100 makes remote monitoring of the compressor possible when a LAN connection is present. Energy savings are possible thanks to a built-in timer that allows adjustment of the working pressure around the clock.

A log of the working state of the compressor is automatically kept providing invaluable data when optimizing the cost of compressed air. The premium quality controller and monitoring system is the only thing suitable for a premium quality SB Series Air Compressor.

### HIGH PERFORMANCE ELECTRIC MOTOR

The electric motor used by the compressor is a PREMIUM EFFICIENCY IE3. This ensures its efficiency exceeds and is compliance with the minimum efficiency requirements (MEPS). This first-class performance guarantees energy savings over time and the best-in-class reliability of a high standard certified product.

### DRIVING SYSTEM

Direct-driven compressors with a 1:1 ratio. This means that the air end and motor, directly connected via a coupling, rotate at the same speed.

This not only reduces energy consumption and maintenance need, but it also decreases the level of noise. The use of high efficiency motors and the possibility of adjusting the energy consumption to the actual air intake provides an over 30% yearly saving if compared to the performance of fixed speed air compressors in adequate applications.



### SYSTEM OF AIR PRE FILTER AND VENTILATION

The SB Series includes a mounted pre-filter that guarantees the protection of internal component by filtering all the machine air intake from dust, dirt, shavings and pollutants that will prematurely clog the air filter.

A high flow-rate electrical fan, almost noise-free, circulates and pushes all air flow into just one point, ensuring the right thermal balance for all the internal components.

### REMOTE CONTROL AND CONNECTIVITY

The KTRONIC 100 electronic controller can be connected to a LAN, doing so, allows monitoring and management of the compressor from a remote PC or smartphone. The USB port can be used to: export compressor's data for in depth analysis, and to manage software updates.

### EXTREMELY COMPACT COMPRESSOR.

Special consideration has been given to the design of the compressor internal structure to ensure the minimal footprint yet full efficiency and temperature control of the series.

The motor and the main running parts of the compressor are fixed to a unique load-bearing frame with anti-vibration elements that isolate all the running components from the rest of the structure and remain free from any fastenings to external panels of noise insulation.