

SB Fixed Speed Base Mount Air Compressors

25hp – 75hp

Compact design ensures minimal footprint with maximum quality compressed air

Phase Reversal Protection, Overheat Protection, Motor TH Protection, Emergency Stop Protection, Over Pressure Protection

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

5 Year / 10,000h warranty



DESCRIPTION

The SB Fixed Speed Base Mount series is Poly V-belt-driven and incorporates important and cutting-edge advantages suitable to the modern-day designs and regulations. The SB Fixed Speed Base Mount series is complimented by a compact, easy-to-use system, occupying just a modest amount of space, with a noticeable power efficiency and a significant long lifecycle.

The compressor range includes the unique Ktronic10 control board utilised in all our Compressors. This control board allows total function control through a user-friendly menu and parameter access.

The SB Fixed Speed Base Mount Series ensures extremely low noise levels as well as reduced maintenance costs and times allowing installation almost anywhere in a factory and increased uptime in factory production.

A Poly-V belt-driven system and cast-iron taper-hub pulleys ensuring the highest reliability in any work condition.

Reduced overall dimensions and simplified installation are a bonus when looking to overcome space problems.



MODEL	MOTOR POWER		PRESSURE		FLOW RATE		NOISE LEVEL	POWER	OUTLET	DIMENSIONS	WEIGHT	D-CURVE BREAKER
SB	kW	Hp	Bar	Psi	l/min	C.F.M	dB(A)	V/H/PH	BSP	L x W x H (mm)	Kg	Amps
SB250	18.5	25	8	116	2880	101	66	400/50/3	1-1/4"	1060 x 860 x 1240	458	40
			10	145	2540	91						
			13	188	1920	68						
SB300	22	30	8	116	3440	122	66	400/50/3	1-1/4"	1060 x 860 x 1240	495	50
			10	145	3020	108						
			13	188	2460	87						
SB400	30	40	8	116	4730	167	67	400/50/3	1-1/4"	1060 x 860 x 1240	515	63
			10	145	4210	150						
			13	188	3310	117						
SB500	37	50	8	116	6130	217	70	400/50/3	1-1/2"	1940 x 1070 x 1800	960	75
			10	145	5510	196						
			13	188	4250	150						
SB600	45	60	8	116	7810	276	70	400/50/3	1-1/2"	1940 x 1070 x 1800	1030	90
			10	145	6830	242						
			13	188	5690	201						
SB750	55	75	8	116	8695	307	70	400/50/3	1-1/2"	1940 x 1070 x 1800	1188	110
			10	145	7910	281						
			13	188	7070	250						



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.

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.



HIGH PERFORMANCE ELECTRIC MOTOR

The electric motor used by the compressor is a PREMIUM EFFICIENCY IE3. This ensures its efficiency exceeds and is compliant 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.

ELECTRONIC CONTROL BOARD

Based on direct, user-friendly reading, all machine functions are run safely through a microprocessor, from the control of safety alarms (oil temperature, electrical engine, control of cooling electrical fan, maintenance time) to command systems (start-stop, alarm reset). The access to all microprocessor functions is protected by password (supplied only to authorized staff).

DRIVING SYSTEM

The belt drive system is engineered to guarantee driving stability during a work phase and off load cycle. The plate system with a sliding electrical motor is designed to prevent stress to rotating parts. Our machine, availing itself of a poly-v belt-driven system with cast-iron taper-hub pulleys, always ensures the utmost reliability in any work condition and limits power loss with low noise level of rotating elements together with their perfect alignment. Moreover, an easy system of belt tightening allows an accurate adjustment of the belt itself.



NOISE KEPT AT 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.

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.

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.