

Overview

This data sheet provides a summary of the exhauster/blowers technical characteristics, components, applications and materials.

BVC S6 & S8 exhauster/blowers incorporate multiple impellers mounted on a shaft which runs in outboard bearings. The impeller shaft assembly is enclosed in a sectional cast housing incorporating fixed blade diffusers. The impeller shaft assembly is caused to rotate by an electric motor via a belt and pulley.



Features & Benefits

Our exhauster blowers are meticulously crafted with robust British design and manufacturing. They are suitable for a broad range of applications, delivering a consistent stream of warm, dry non-pulsating air. You can choose from bare shaft options or fully motorised units, and we offer a wide selection of electric motors and starters for your specific needs.

Exhauster Applications

Inlet Should be fitted with flexible sleeve to take out any vibration.

Outlet Should be fitted with a discharge silencer.

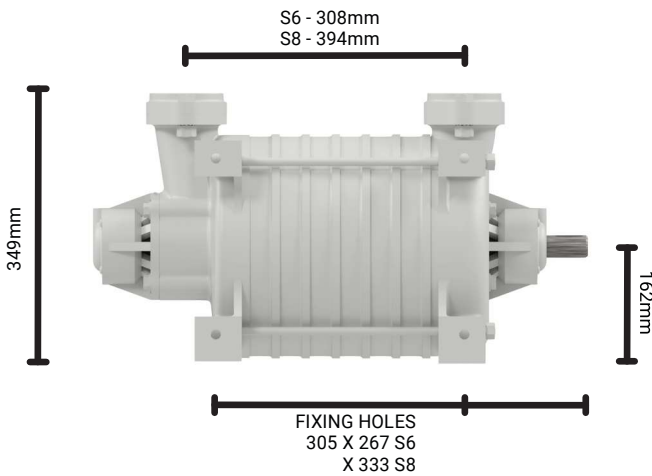
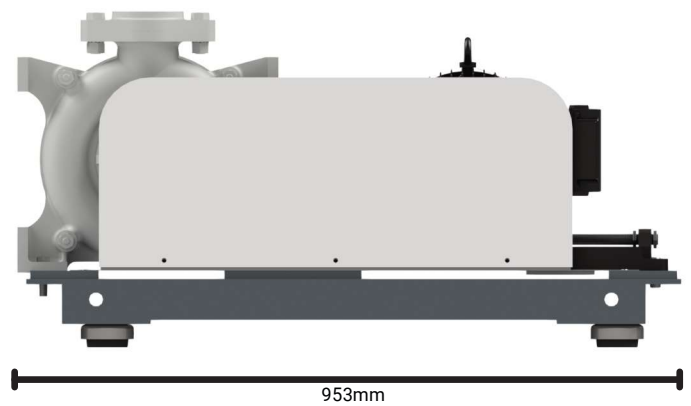
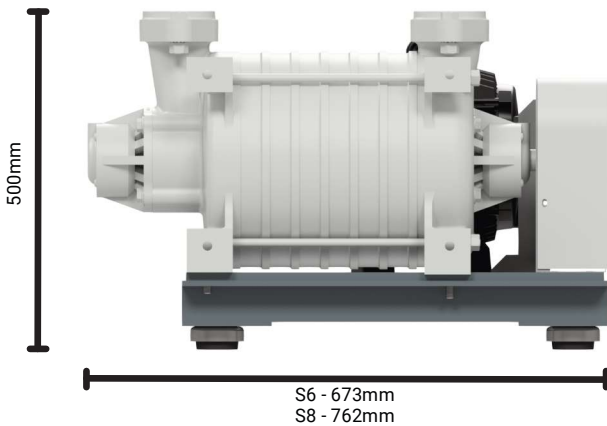
Blower Applications

Inlet Should be fitted with in-line filter (and throttle valve if required).

Outlet Should be fitted with flexible sleeve to take out any vibration.

IMPELLERS/DIFFUSERS	STEEL	
SHAFT	STEEL	
INTERMEDIATE RINGS	ALUMINIUM	
END COVERS	ALUMINIUM	
BEARINGS	SELF-ALIGNING BALL BEARING NDE ROLLER BEARING DE	
BELT DRIVE	MULTI-VEE BELT TAPER LOCK PILLEYS	
NUMBER OF STAGES	6 FOR S6	8 FOR S8

NOMINAL PORT SIZE	FLANGE WITH 3" BSP PARALLEL THREAD
INLET & OUTLET PORT	VERTICAL AS STANDARD
LUBRICATION	GREASE WITH RESTRICTORS TO BEARING HOUSINGS
MOTOR	4kW (S6), 5.5kW (S8) INDUCTION 2 POLE TEFV TO IP55 380-415 / 3ph / 50Hz (suitable for star / delta starting)
NORMAL SPEED	6,600 RPM
CONTROL SWITCH	NOT SUPPLIED
WEIGHT	S6 - MOTOR UNIT - 137KG. S6 BARE SHAFT - 49KG S8 - MOTOR UNIT - 164KG. BARE SHAFT - 58KG



Exhauster/Blower Supply

Inlet filters (blowers) and outlet silencer (exhausters) can be supplied as optional extras. Blowers may be fitted with a throttle on inlet - details on request.

IE3 high efficiency motor and exhauster / blower supplied mounted on bed plate, complete with belt-guard and anti-vibration mounts.

The unit can be supplied with or without starter, or with inverter drive.

VACUUM OR PRESSURE	PSI	0.28	0.57	0.85	1.13	1.42	1.70	2.0	2.27	2.55	2.84	3.12	3.41	3.69	4.0	4.26	4.54	4.82	5.11	5.39
	"WG	7.9	15.7	23.6	31.5	39.4	47.2	55.1	63.0	70.9	78.7	86.6	94.5	102.4	110.2	118.1	126.0	133.8	141.7	149.6
	mmWG	200	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800
BLOWER S8/66	M ³ /Hr	605	600	590	576	561	546	527	508	486	461	435	408	377	343	304	264	170	145	51
	CFM	356	353	347	339	330	321	310	299	286	271	256	240	222	202	179	155	100	85	30
BLOWER S6/66	M ³ /Hr	605	580	559	534	508	480	455	410	367	318	258	163							
	CFM	356	341	329	314	299	281	262	241	216	187	152	96							
EXHAUSTER S8/66	M ³ /Hr	602	580	558	534	508	475	446	410	371	333	276	216	132						
	CFM	354	341	328	314	290	281	262	241	218	196	162	127	78						
EXHAUSTER S6/66	M ³ /Hr	602	570	541	508	473	434	386	334	272	184									
	CFM	354	335	318	299	278	255	227	196	160	108									