

Overview

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

BVC J6 / J8 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.

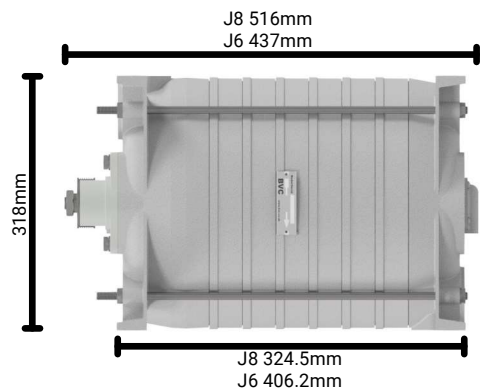
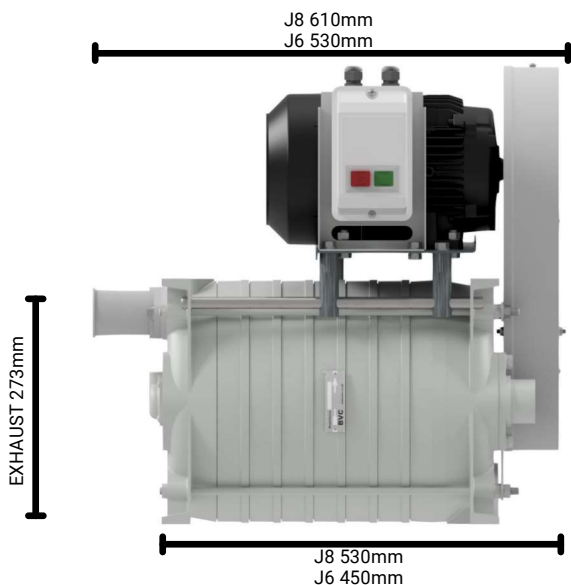
Blower Applications

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	ALUMINIUM	
SHAFT	STEEL	
INTERMEDIATE RINGS	ALUMINIUM	
END COVERS	ALUMINIUM	
BEARINGS	SEALED DEEP GROOVE BALL, NDE OPEN ROLLER DE	
BELT DRIVE	POLYVEE TYPE J8	
NUMBER OF STAGES	6 FOR J6	8 FOR J8

NOMINAL PORT SIZE	51MM
INLET	AXIAL
OUTLET	TANGENTIAL (TAPERFIT)
MOTOR	2.2kW (J6/67, J6/80, J8/67) 3kW (J8/80) INDUCTION 2 POLE TEFV TO IP55 230/400V/3ph/50hz
NORMAL SPEED	J6 & 8/67 – 6,700rpm, J6&8/80 – 8,000rpm
CONTROL SWITCH	Push button starter with overload protection
WEIGHT	J6 motorised – 46kg, J6 bareshaft – 21kg, J8 motorised – 59kg, J8 bareshaft – 26kg



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.

All bare shaft units are supplied complete with Polyvee Pulley (J8):
J6/67-76.2mm dia, J6/80-63.5mm dia
J8/67-76.2mm dia, J8/80-63.5mm dia

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	3.40	3.69	4.0	4.26	4.54	4.82	5.11	5.39	5.68	6.0	6.2	6.5	6.8	7.1	7.4
	"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	157.5	165.3	173.2	181.1	189.0	196.8	204.7
	mmWG	200	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4200	4400	4600	4800	5000	5200

EXHAUSTER J8/67	M³/Hr	279	260	240	220	200	176	154	128	96	54
	CFM	164	153	141	129	118	103	91	75	56	32

EXHAUSTER J6/80	M³/Hr	318	301	284	264	242	219	196	169	141	106	57
	CFM	187	177	167	155	142	129	115	99	83	62	33

EXHAUSTER J8/80	M³/Hr	318	304	289	274	257	240	224	205	187	168	145	121	90	50
	CFM	187	179	170	161	151	141	132	121	110	99	85	71	53	29

BLOWER J6/67	M³/Hr	280	261	242	221	199	176	150	120	83	30
	CFM	165	153	142	130	117	103	88	71	49	18

BLOWER J6/80	M³/Hr	322	306	292	279	259	241	224	206	187	170	146	122	96	64
	CFM	189	180	172	162	152	142	132	121	110	100	86	72	56	38

BLOWER J8/80	M³/Hr	321	320	316	307	296	284	272	259	246	232	219	203	188	170	151	133	113	91	65	35	102
	CFM	189	188	186	181	174	167	160	152	145	136	129	119	111	100	89	78	66	53	38	20	6