



ABO8 Exhauster/Blower

Features/Benefits

- 1 Robust construction, British design and manufacture.
- 1 Suitable for a broad range of applications.
- 1 Provide warm, dry, non-pulsating air.
- 1 Bare shaft or fully motorised units available.
- 1 Electric motors/starters from a wide range can be fitted.

Exhauster Applications

- Inlet** Should be fitted with in-line filter and flexible connector to pipework.
- Outlet** Silencer should be fitted.

Blower Applications

- Inlet** Should be fitted with in-line filter (and throttle valve if required).
- Outlet** Should be fitted with flexible connector to pipework.

Exhauster/Blower	Impellers/Diffusers/Shaft	Intermediate rings/End covers	Bearings NDE DE	Lubrication	Belt Drive	Bearing Housings	No of stages	Nominal port size	Inlet & Outlet port	Motor	Nominal Speed	Control Starter	Mounting	Weight
ABO8	Steel	Aluminium	Self aligning ball bearing Roller bearing	Grease restrictors fitted to bearing housings	Multi-vee belt with taper lock brushes	Outboard from end covers for cooler running	8	76mm with flange drilled 3" BS Table D	Vertical as standard, but can be fitted horizontally	5.5kW (ABO8/45) 7.5kW (ABO8/49) 11kW (ABO8/57, ABO8/59) 15kW (ABO8/60, ABO8/62) Induction 2 pole TEFV to IP55 380-415V / 3ph / 50Hz (suitable for Star/Delta starting)	ABO8/45 - 4,500rpm Ex/Blower ABO8/49 - 4,900rpm Ex/Blower ABO8/57 - 5,700rpm Blower ABO8/59 - 5,900rpm Exhauster ABO8/60 - 5,900rpm Blower ABO8/62 - 6,200rpm Exhauster	Not supplied. Suitable overload protection and fuse protection must be provided	Motor and exhauster/blower supplied mounted on bed plate, complete with belt-guard and anti-vibration mounts	ABO8/45 - Motor Unit 227kg ABO8/49 - Motor Unit 227kg ABO8/57 - Motor Unit 262kg ABO8/59 - Motor Unit 262kg ABO8/60 - Motor Unit 262kg ABO8/62 - Motor Unit 262kg All models - Bare Shaft 90kg

NB: Alternative frequencies and voltages are available, as well as starters, upon request.

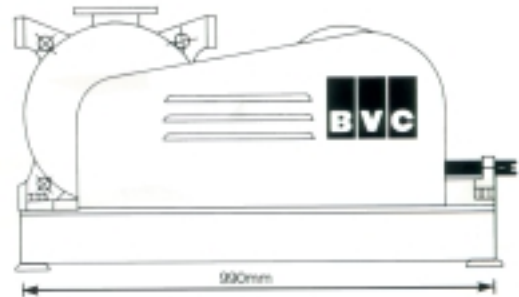
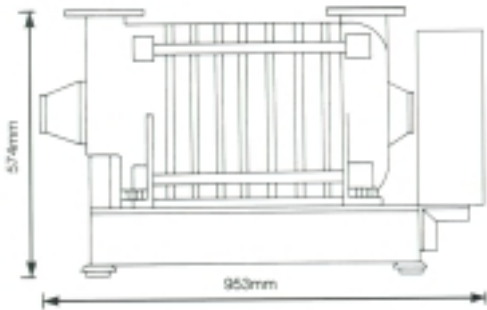


FM 13944

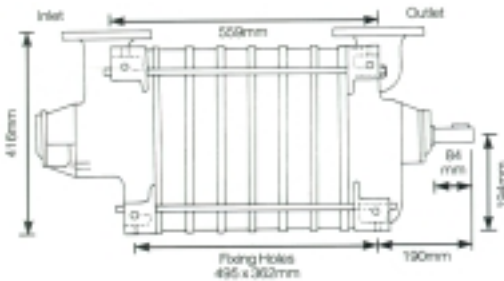
PERFORMANCE TABLE

VACUUM	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	5.1	5.39	5.68	6.0	6.24	6.53	
OR	"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	
PRESSURE	mmWG	200	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4200	4400	4600	
AIR FLOW																									
EXHAUSTER	M ³ /Hr	892	845	795	755	680	615	540	455	335	140														
ABO8/45	CFM	525	497	468	432	400	362	318	268	197	82														
EXHAUSTER	M ³ /Hr	970	925	880	830	785	730	675	610	530	430	300	77												
ABO8/49	CFM	570	544	518	488	462	429	397	359	312	253	176	45												
EXHAUSTER	M ³ /Hr	1159	1127	1088	1049	1011	964	913	853	790	731	629	527	493	382	238									
ABO8/59	CFM	682	663	640	617	595	567	537	502	465	430	370	310	290	225	140									
EXHAUSTER	M ³ /Hr	1250	1210	1172	1137	1090	1052	1010	970	925	880	830	770	697	612	510	374	335	90						
ABO8/62	CFM	735	712	689	669	641	619	594	570	544	518	488	453	410	360	300	220	197	53						
BLOWER	M ³ /Hr	895	855	805	755	705	645	590	535	459	374	270	150												
ABO8/45	CFM	526	503	473	444	415	379	347	315	270	220	159	88												
BLOWER	M ³ /Hr	975	940	900	860	810	765	710	655	600	540	480	420	340	255	135									
ABO8/49	CFM	573	553	529	506	476	450	418	385	353	318	282	247	200	150	79									
BLOWER	M ³ /Hr	1120	1080	1040	1000	960	920	875	830	785	735	690	640	590	530	470	410	289	250	150	40				
ABO8/57	CFM	659	635	612	588	565	541	515	488	462	432	406	376	347	312	276	241	170	147	88	23				
BLOWER	M ³ /Hr	1300	1270	1230	1190	1155	1115	1080	1040	1005	965	925	885	840	790	750	707	612	595	530	465	390	300	160	
ABO8/60	CFM	765	747	723	700	679	656	635	612	591	568	544	521	494	465	441	416	360	350	312	273	229	176	94	
Multiply CFM x 0.4719 for Litres/sec													Divide "WG by 13.6 for "Hg												

MOTOR DRIVEN UNIT



BARE SHAFT UNIT



Inlet filters (Blowers) and outlet silencer (Exhausters) are supplied as extras. Blowers may be fitted with a throttle on inlet - details on request.

We reserve the right to change design without notice

Harbour Road,
Gosport,
Hampshire
PO12 1BG UK

Tel: +44 (0) 870 010 7666
Fax: +44 (0) 870 010 6916
email: admin@bvc.co.uk
www.bvc.co.uk

