



Condensation, Mould & Radon Specialists

Acoustic Residential Purge Ventilator

Wholehouse Ventilation Unit

Product Datasheet



- Rapid local extract
- Satisfies Part F purge requirements
- Acoustically treated for low noise
- Helps to reduce overheating
- Can be used in conjunction with MVHR and MEV units or as standalone system
- 220x90 or 250 diameter spigots
- Low profile design
- Easy setup
- Energy efficient EC fan

Order Code

477988	Acoustic Purge Fan
479829	Acoustic Purge Fan XL
10520602	Remote Speed Control
475775	Trickle/Boost Controller

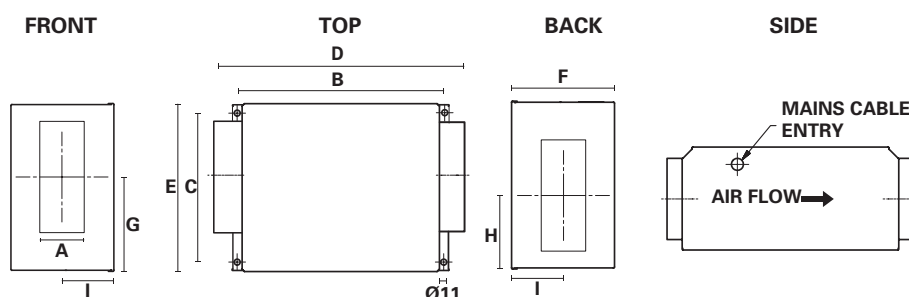
Benefits

The Airtech Acoustic Purge Fan is used to rapidly remove indoor pollutants as well as reducing the impact of overheating in residential dwellings, providing a more comfortable and healthy internal environment for home-owners.

The Acoustic Purge Fan can be used in conjunction with a MVHR unit or independently via a separate switched live connection or 0-10V external sensor input. The Acoustic Purge Fan can be installed in habitable rooms to satisfy Approved Document F Purge requirements (4 air changes per hour). The unit can be installed in conjunction with controllable duct dampers and/ or background ventilators to manage the supply air into the dwelling under purge operation.

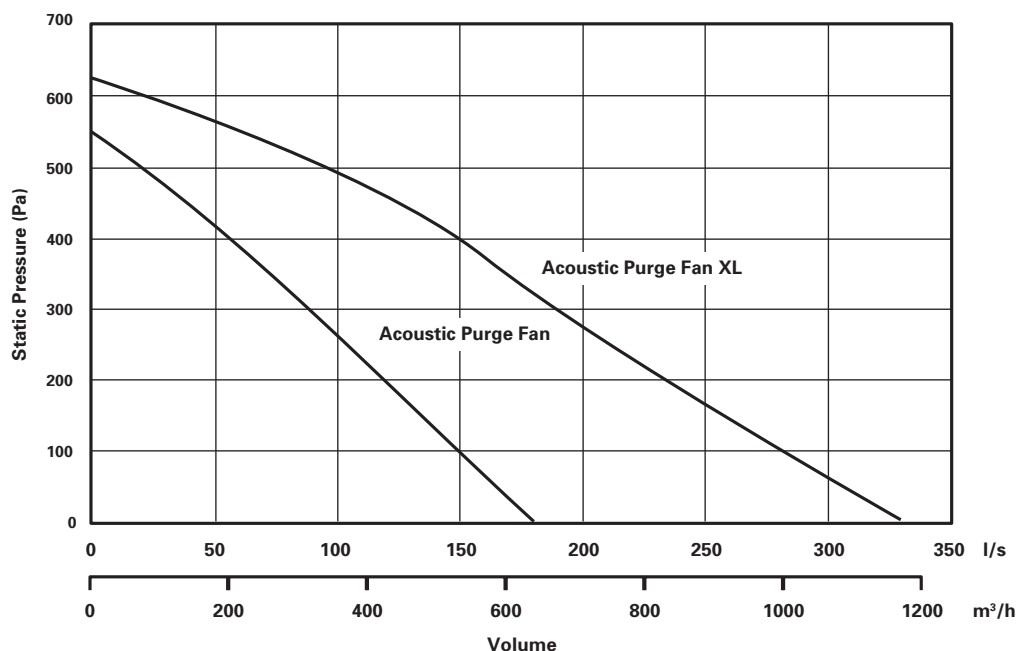
The Acoustic Purge Fan is specially treated with acoustic foam to reduce breakout and induct noise, ensuring end-user comfort during operation. As well as boasting a low-profile design, the unit utilises 220x90 spigots to allow easy use of flat ducting in tight void spaces in apartments.

Fan Dimensions (mm)



Order Code	Spigot	A	B	C	D	E	F	G	H	I	kg
477988	220x90	85	380	275	456	310	191	165	145	103.5	7.5
479829	250Ø	250	435	330	511	364	287	182	122	143	13

Performance



Sound Data

Acoustic Purge Fan

		Octave Band (Hz) Sound Power Levels, dB										dB(A)
Speed	Test mode	63	125	250	500	1k	2k	4k	8k	LwA	@ 3m	
25%	Inlet	35	30	34	32	26	20	18	24	32	15	
	Outlet	36	32	36	34	33	28	20	23	37	19	
	Breakout	37	34	31	28	24	18	18	23	30	10	
50%	Inlet	40	38	51	47	41	38	31	26	48	31	
	Outlet	40	44	57	51	50	49	43	31	56	38	
	Breakout	43	46	50	46	43	39	32	27	48	27	
80%	Inlet	45	45	60	60	52	49	44	40	59	42	
	Outlet	50	50	68	65	61	61	56	49	68	50	
	Breakout	64	53	57	58	54	50	47	45	59	39	
100%	Inlet	55	46	60	61	53	50	45	41	60	43	
	Outlet	53	51	65	66	62	63	57	51	68	51	
	Breakout	56	54	57	60	56	52	49	47	61	41	

Acoustic Purge Fan XL

		Octave Band (Hz) Sound Power Levels, dB										dB(A)
Speed	Test mode	63	125	250	500	1k	2k	4k	8k	LwA	@ 3m	
25%	Inlet	48	49	42	38	35	24	24	29	40	22	
	Outlet	47	46	41	37	41	29	24	29	42	24	
	Breakout	42	42	37	31	29	26	25	31	40	19	
50%	Inlet	55	57	65	58	49	43	45	38	57	39	
	Outlet	53	57	62	58	54	55	51	36	59	41	
	Breakout	52	48	53	43	37	36	34	30	48	27	
80%	Inlet	63	65	69	76	62	54	53	49	71	53	
	Outlet	63	66	69	72	69	68	62	55	72	54	
	Breakout	54	56	57	57	48	46	45	36	57	36	
100%	Inlet	68	71	72	80	68	62	59	56	76	58	
	Outlet	68	71	70	78	75	75	68	63	78	60	
	Breakout	61	63	62	62	55	54	52	45	63	42	

Wiring Diagram

