

Acoustic Cabinet Fans

with

EC Motors

Single Fan Models

Plant and Roof



*ventilation
systems*



Single Fan Models - up to 3.9 m³/sec - EC Motors - Low SFPs

Features and Benefits

Acoustic Cabinet Fans

- Single fans
- ErP 2018
- EC fans to suit L2
- ACFS - plant models
- RMS - roof mounted models

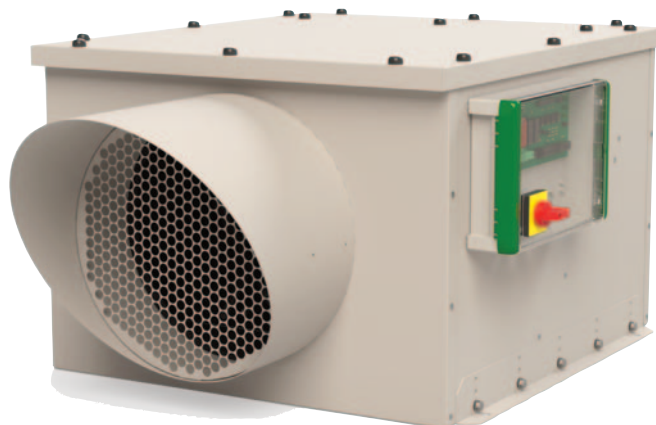
Low Energy EC Fans

- Energy efficient direct drive fans
- Low SFP to help achieve

L2 Regulations

Flexible design - to suit your application

- Units are constructed from galvanised steel 0.9mm to 1.2 mm depending on the model
- Roof mounted models are powder coated.
- Roof mounted models with removable discharge cowl.
- Top or bottom access options available



Acoustic lining to reduce noise breakout

- Units are lined with 20mm Barafoam "O" class liner.
- A 6mm barrier mat layer is incorporated in the liner
- This significantly reduces noise breakout

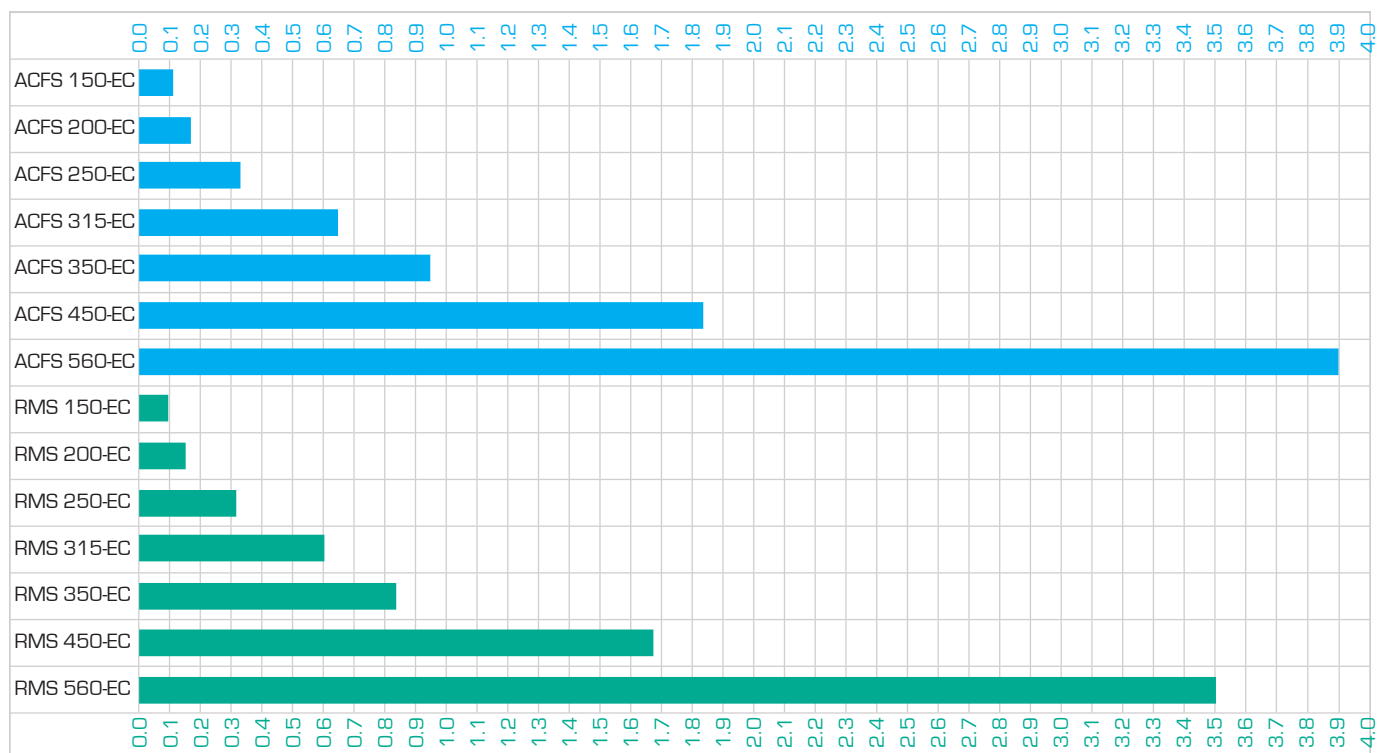
Energy Saving Controls

- All units are fitted with pre-wired controls saving time and money on site.
- The CP has comprehensive features as standard.
 - VFC BMS enable
 - VFC BMS boost
 - Fan fault BMS link
 - Remote 0-10V speed control
 - Run on timer for boost (0-20 minutes)
 - Trickle and boost setting
 - P.I.R. enabled Boost

Accessories

- Silencers
- AV mounts
- Duct clamps

Maximum Air Volume (m³/sec)

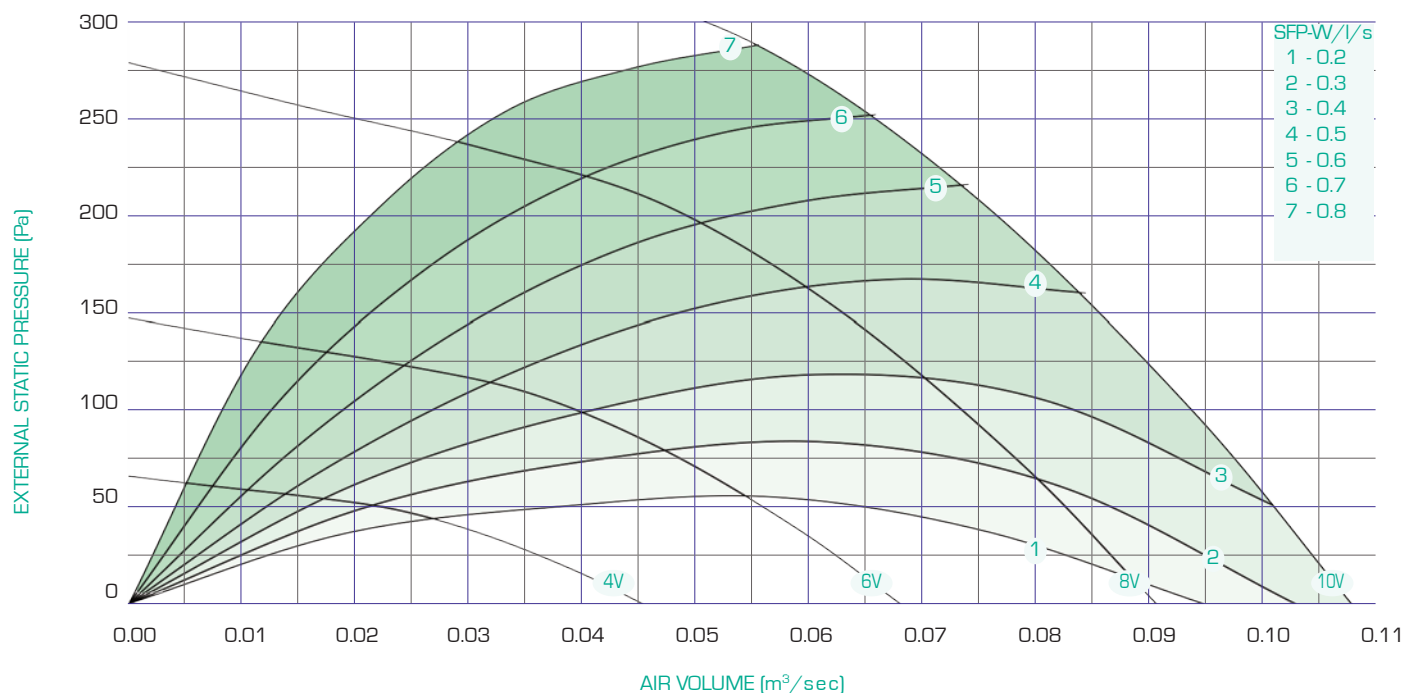


Acoustic Cabinet Fans - Single - ACFS-EC



TECHNICAL DATA - ACFS 150-EC - plant models

FAN SPEED



Tested in accordance with BS EN ISO 5802:2008+A1:2015 Industrial fans. Performance testing in situ

ELECTRICAL DATA

	MODEL	INPUT KW	SUPPLY	FLC amps	RPM
	QSS- 150 EC	0.05	230V 1Ph	0.46	4320

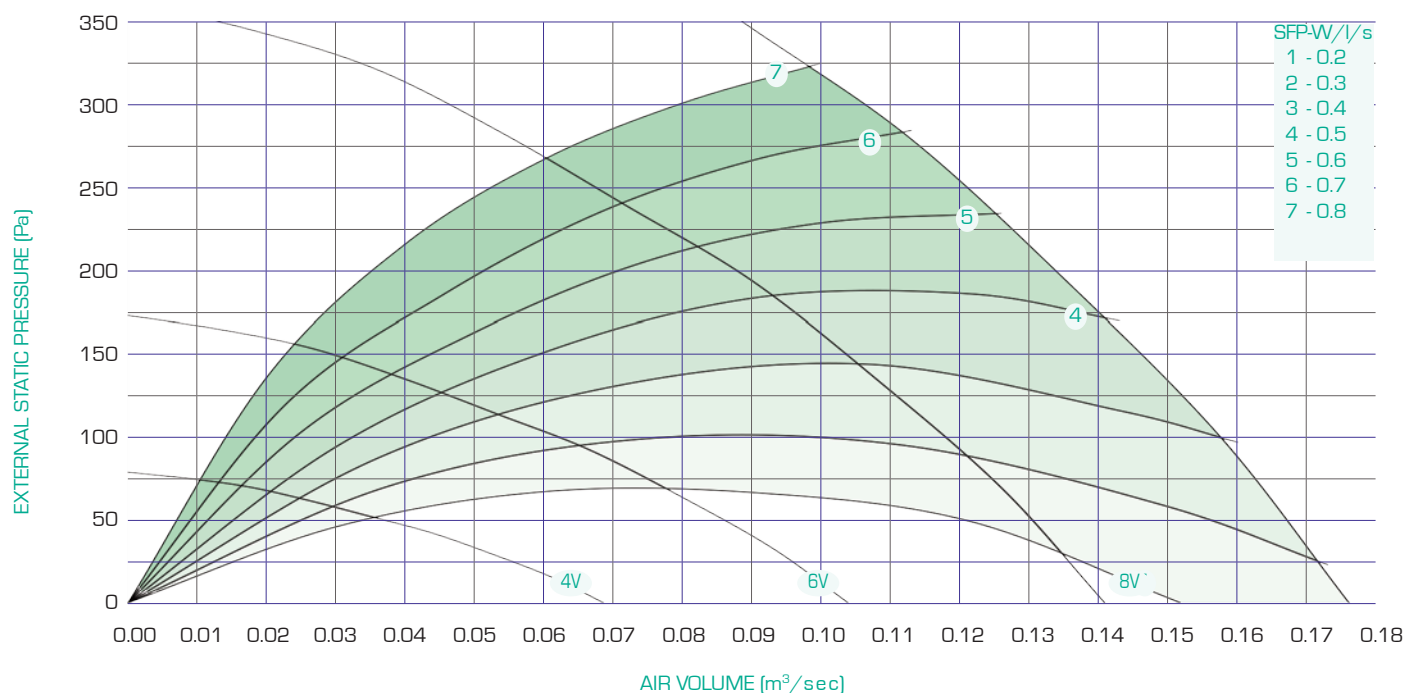
QSS 150 EC @ mid-duty		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
10V 0.077 m³/s @ 200 Pa	Inlet in duct dB	58	62	63	64	61	59	58	49	70	67	39	34	29	24
	Outlet in duct dB	63	67	68	69	66	64	63	54	75	72				
8V 0.063 m³/s @ 150 Pa	Inlet in duct dB	60	59	60	60	57	55	53	44	67	63	35	30	26	20
	Outlet in duct dB	65	64	65	65	62	60	58	49	72	68				
6V 0.040 m³/s @ 100 Pa	Inlet in duct dB	55	55	55	54	51	48	44	34	62	56	30	25	21	15
	Outlet in duct dB	60	60	60	59	56	53	49	39	67	61				
4V 0.020 m³/s @ 50 Pa	Inlet in duct dB	48	51	48	48	43	39	32	20	55	49	24	18	14	8
	Outlet in duct dB	53	56	53	53	48	44	37	25	60	54				

Acoustic Cabinet Fans - Single - ACFS-EC



TECHNICAL DATA - ACFS 200-EC - plant models

FAN SPEED



Tested in accordance with BS EN ISO 5802:2008+A1:2015 Industrial fans. Performance testing in situ

ELECTRICAL DATA

	MODEL	INPUT KW	SUPPLY	FLC amps	RPM
	QSS 200 EC	0.083	230V 1Ph	0.75	3200

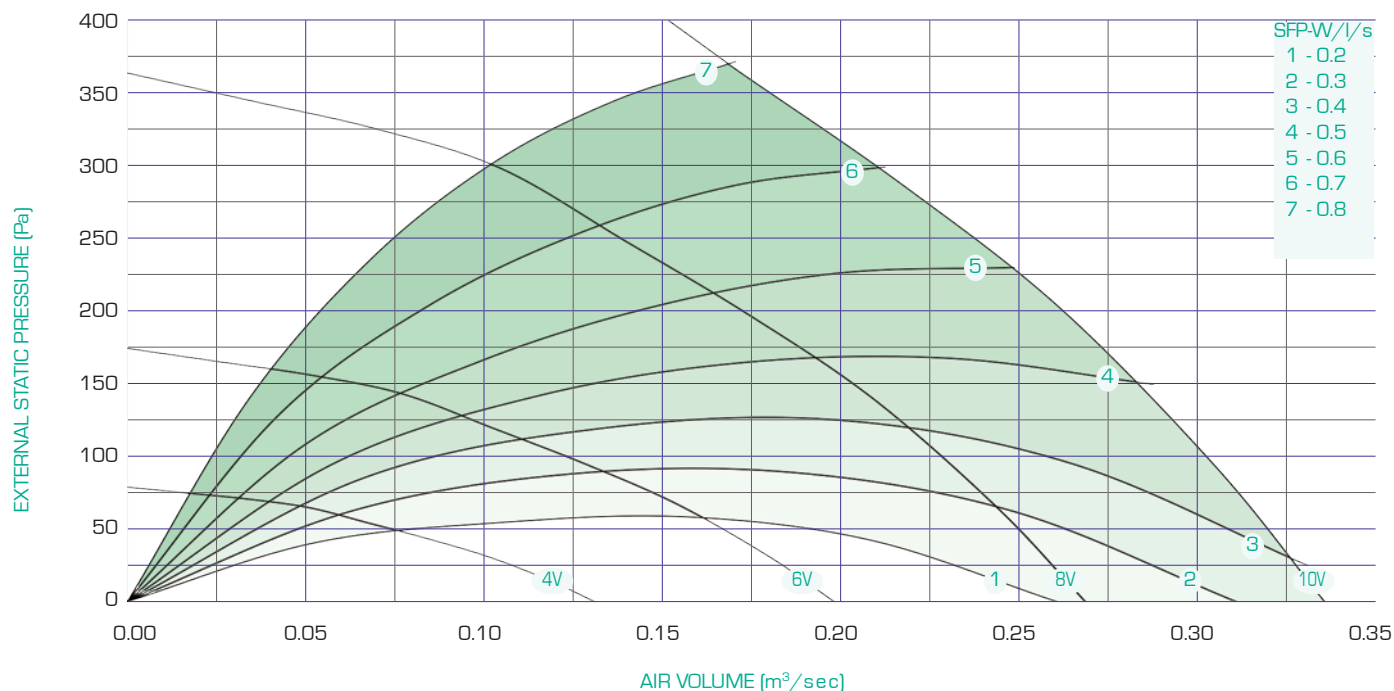
QSS 200 EC @ mid-duty		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
10V 0.133 m³/s @ 200 Pa	Inlet in duct dB	62	62	62	68	59	61	57	53	71	68	41	38	31	28
	Outlet in duct dB	67	67	67	73	64	66	62	58	76	73				
8V 0.104 m³/s @ 150 Pa	Inlet in duct dB	56	57	56	61	53	53	51	45	65	61	35	32	26	22
	Outlet in duct dB	63	63	62	67	59	61	56	50	71	68				
6V 0.060 m³/s @ 100 Pa	Inlet in duct dB	51	52	51	56	48	48	41	33	60	56	29	26	20	16
	Outlet in duct dB	56	57	56	61	53	53	46	38	65	61				
4V 0.035 m³/s @ 50 Pa	Inlet in duct dB	42	43	42	47	39	39	29	19	51	47	20	17	11	7
	Outlet in duct dB	47	48	47	52	44	44	34	24	56	52				

Acoustic Cabinet Fans - Single - ACFS-EC



TECHNICAL DATA - ACFS 250-EC - plant models

FAN SPEED



Tested in accordance with BS EN ISO 5802:2008+A1:2015 Industrial fans. Performance testing in situ

ELECTRICAL DATA

	MODEL	INPUT KW	SUPPLY	FLC amps	RPM
	QSS 250 EC	0.17	230V 1Ph	1.4	2510

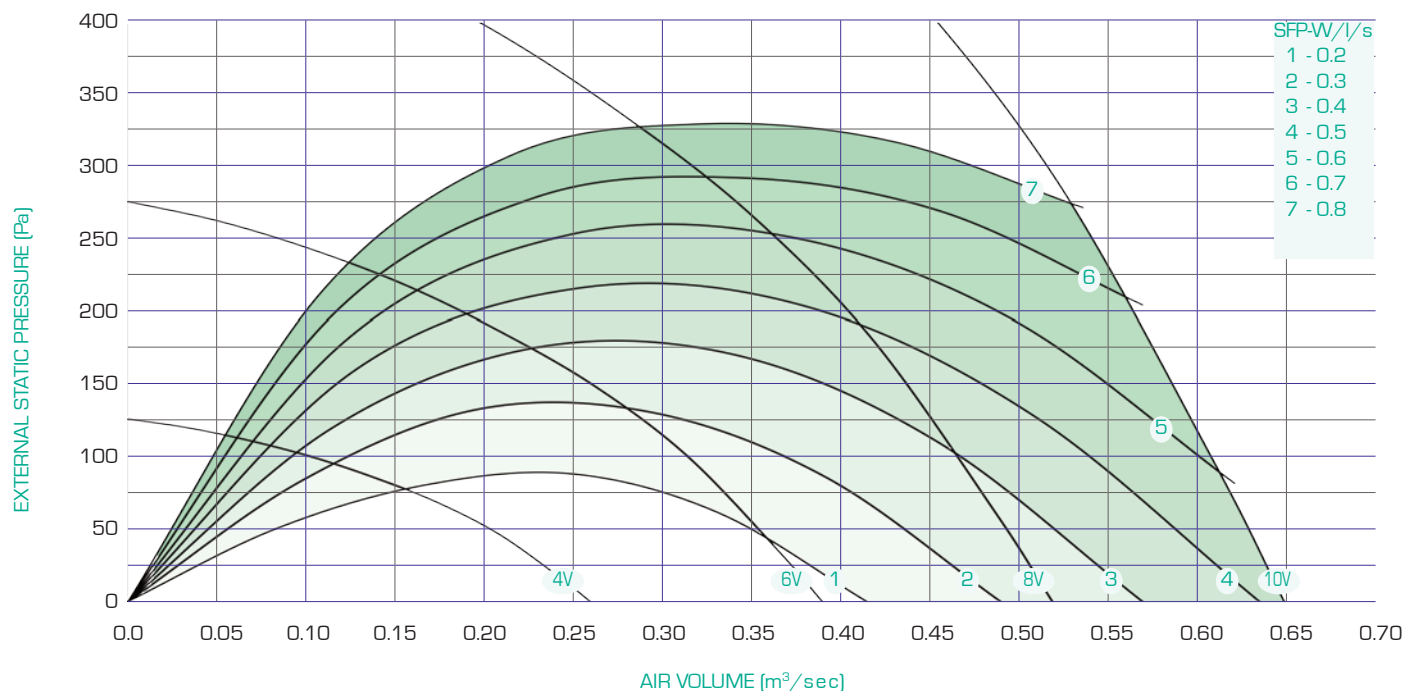
QSS 250 EC @ mid-duty		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
10V 0.257 m³/s @ 200 Pa	Inlet in duct dB	59	63	63	63	62	60	58	51	70	67	39	33	29	23
	Outlet in duct dB	64	68	68	68	67	65	63	56	75	72				
8V 0.200 m³/s @ 150 Pa	Inlet in duct dB	55	58	58	57	57	55	52	43	65	62	34	28	24	18
	Outlet in duct dB	60	63	63	62	62	60	57	48	70	67				
6V 0.125 m³/s @ 100 Pa	Inlet in duct dB	50	52	52	52	50	47	42	33	59	55	28	22	18	12
	Outlet in duct dB	55	57	57	57	55	52	47	38	64	60				
4V 0.075 m³/s @ 50 Pa	Inlet in duct dB	43	45	45	45	42	38	31	20	51	47	21	15	11	5
	Outlet in duct dB	48	50	50	50	47	43	36	25	56	52				

Acoustic Cabinet Fans - Single - ACFS-EC



TECHNICAL DATA - ACFS 315-EC - plant models

FAN SPEED



Tested in accordance with BS EN ISO 5802:2008+A1:2015 Industrial fans. Performance testing in situ

ELECTRICAL DATA

	MODEL	INPUT KW	SUPPLY	FLC amps	RPM
	QSS 315 EC	0.47	230V 1Ph	3.0	2435

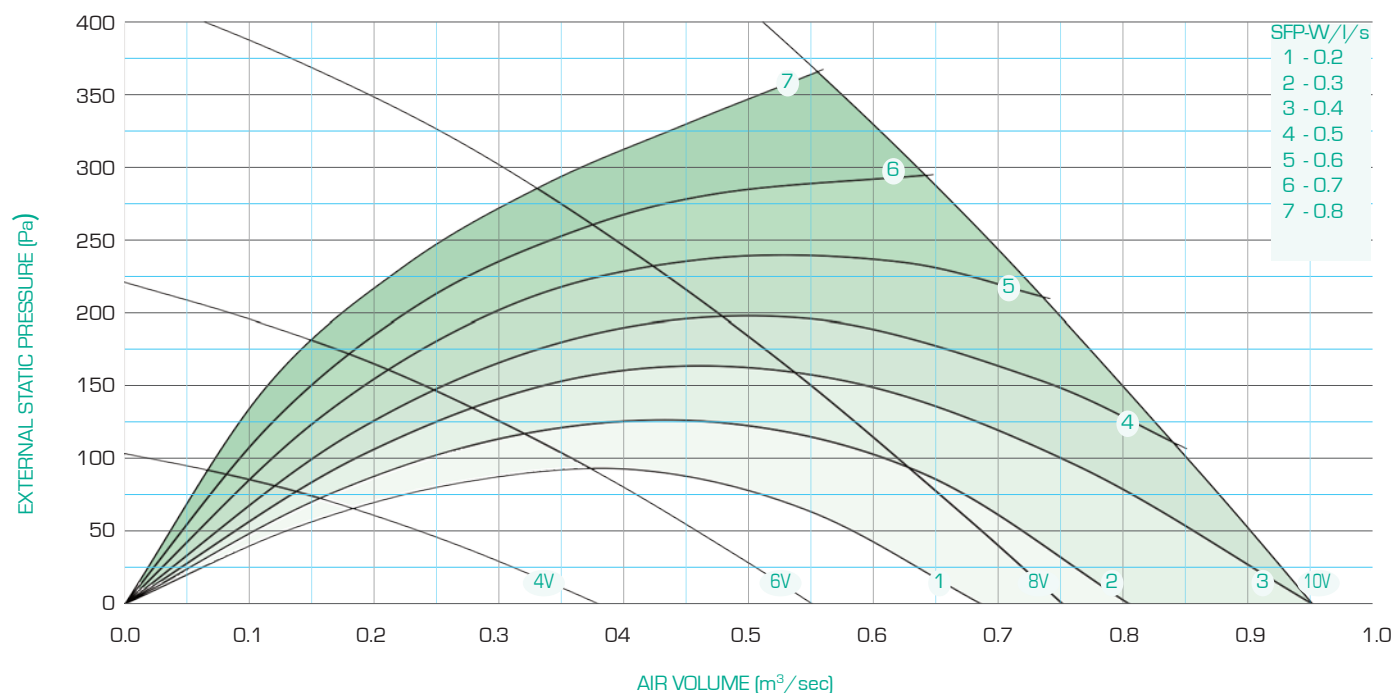
QSS 315 EC @ mid-duty		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
10V 0.610 m³/s @ 200 Pa	Inlet in duct dB	66	71	76	74	72	71	69	62	81	78	50	47	41	37
	Outlet in duct dB	71	76	81	79	77	76	74	67	86	83				
8V 0.470 m³/s @ 150 Pa	Inlet in duct dB	62	67	70	68	66	65	62	54	75	72	44	41	35	31
	Outlet in duct dB	67	72	75	73	71	70	67	59	80	77				
6V 0.340 m³/s @ 100 Pa	Inlet in duct dB	57	62	63	61	60	58	54	44	69	65	38	33	28	23
	Outlet in duct dB	62	67	68	66	65	63	59	49	74	70				
4V 0.220 m³/s @ 50 Pa	Inlet in duct dB	51	54	53	51	51	49	44	31	60	55	28	23	19	12
	Outlet in duct dB	56	59	58	56	56	54	49	36	65	60				

Acoustic Cabinet Fans - Single - ACFS-EC



TECHNICAL DATA - ACFS 350-EC - plant models

FAN SPEED



Tested in accordance with BS EN ISO 5802:2008+A1:2015 Industrial fans. Performance testing in situ

ELECTRICAL DATA

	MODEL	INPUT KW	SUPPLY	FLC amps	RPM
	QSS 350 EC	0.50	230V 1Ph	2.2	1850

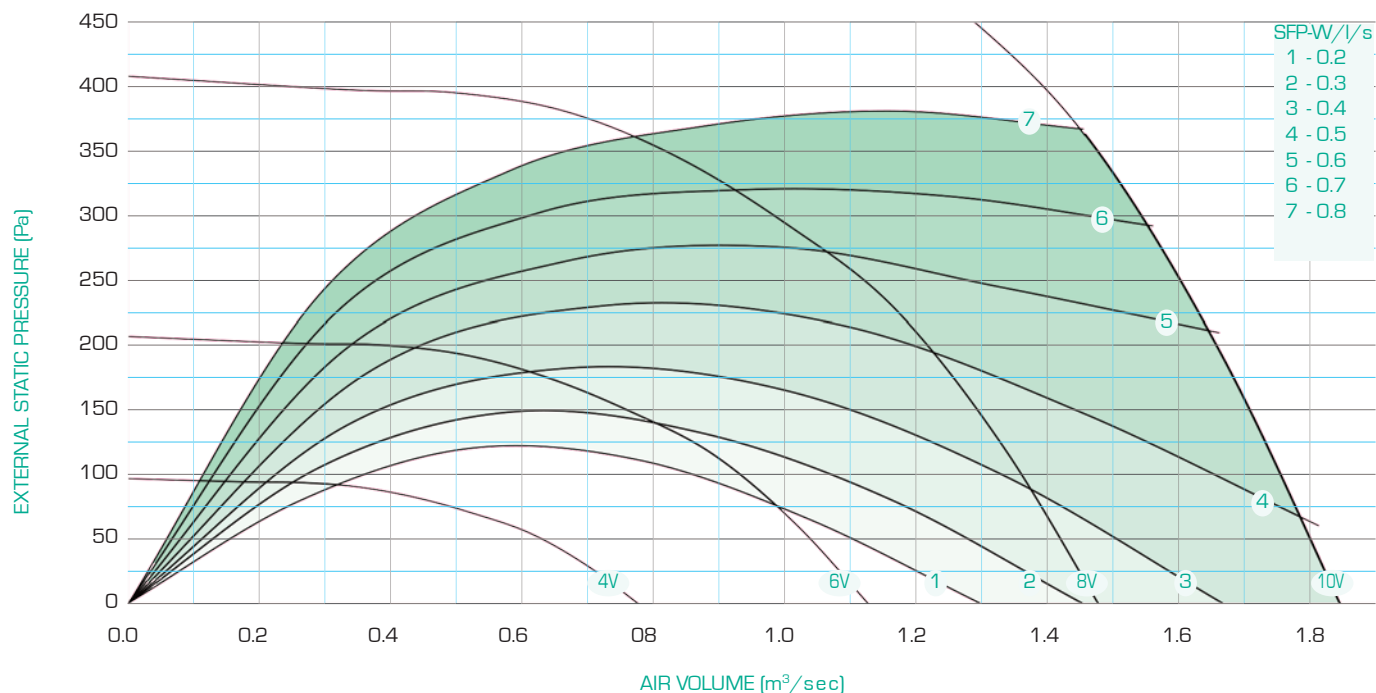
QSS 350 EC @ mid-duty		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
10V 0.745 m³/s @ 200 Pa	Inlet in duct dB	65	74	70	67	62	61	58	50	77	69	45	41	36	31
	Outlet in duct dB	70	79	75	72	67	66	63	55	82	74				
8V 0.550 m³/s @ 150 Pa	Inlet in duct dB	61	70	65	62	57	55	51	43	72	64	41	36	31	25
	Outlet in duct dB	66	75	70	67	62	60	56	48	77	69				
6V 0.360 m³/s @ 100 Pa	Inlet in duct dB	57	66	58	57	51	48	43	34	68	58	36	31	26	20
	Outlet in duct dB	62	71	63	62	56	53	48	39	73	63				
4V 0.230 m³/s @ 50 Pa	Inlet in duct dB	50	59	50	47	42	39	32	20	60	49	28	23	18	12
	Outlet in duct dB	55	64	55	52	47	44	37	25	65	54				

Acoustic Cabinet Fans - Single - ACFS-EC



TECHNICAL DATA - ACFS 450-EC - plant models

FAN SPEED



Tested in accordance with BS EN ISO 5802:2008+A1:2015 Industrial fans. Performance testing in situ

ELECTRICAL DATA

	MODEL	INPUT KW	SUPPLY	FLC amps	RPM
	QSS 450 EC	1.3	230V 1Ph	6.8	2020

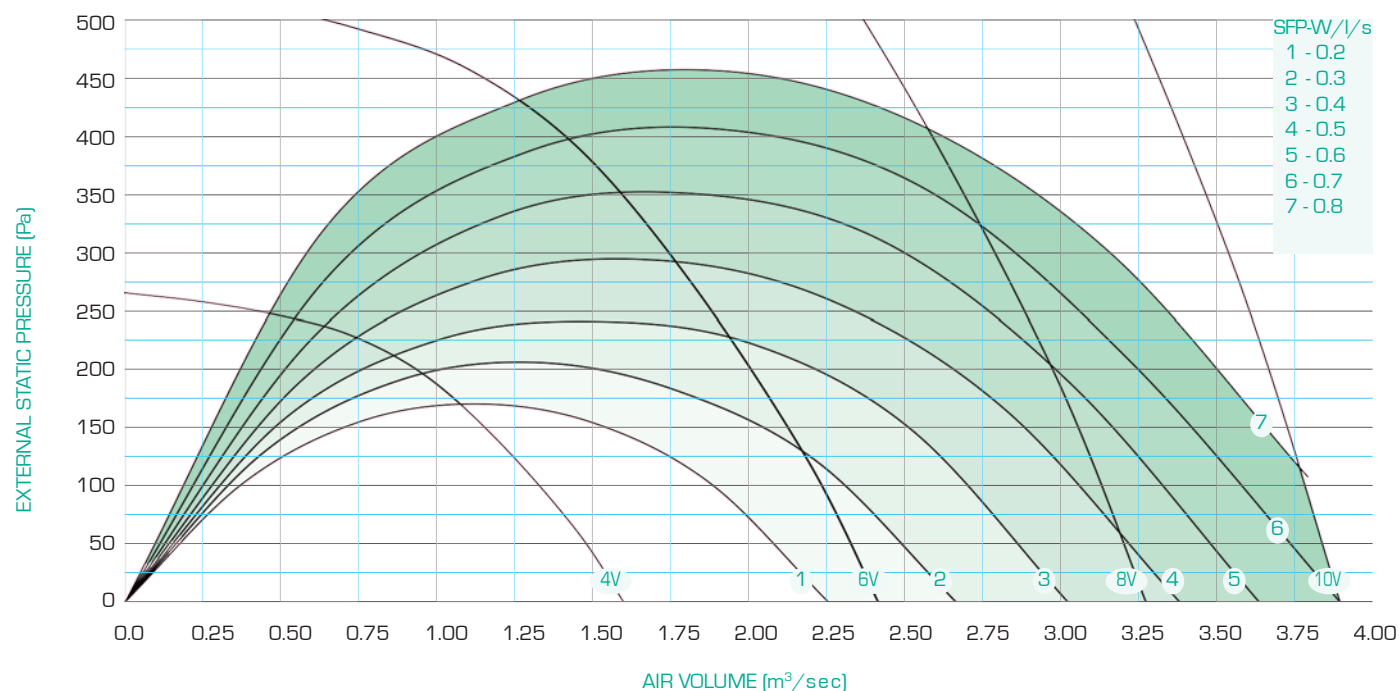
QSS 450 EC @ mid-duty		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
10V 1.660 m³/s @ 200 Pa	Inlet in duct dB	74	77	74	71	65	63	61	66	81	73	51	47	42	36
	Outlet in duct dB	74	85	80	78	76	72	68	71	88	81				
8V 1.280 m³/s @ 150 Pa	Inlet in duct dB	68	73	69	66	60	58	56	55	76	68	46	43	36	32
	Outlet in duct dB	69	81	71	74	71	67	63	61	83	76				
6V 0.920 m³/s @ 100 Pa	Inlet in duct dB	62	67	58	56	51	50	50	38	69	59	38	35	29	24
	Outlet in duct dB	67	74	63	65	62	58	56	45	76	67				
4V 0.610 m³/s @ 50 Pa	Inlet in duct dB	61	51	50	47	44	43	38	27	62	50	26	21	16	11
	Outlet in duct dB	64	53	53	56	54	49	42	31	66	58				

Acoustic Cabinet Fans - Single - ACFS-EC



TECHNICAL DATA - ACFS 560-EC - plant models

FAN SPEED



Tested in accordance with BS EN ISO 5802:2008+A1:2015 Industrial fans. Performance testing in situ

ELECTRICAL DATA

	MODEL	INPUT KW	SUPPLY	FLC amps	RPM
	QSS 560 EC	4.15	400V 3Ph	6.3	2480

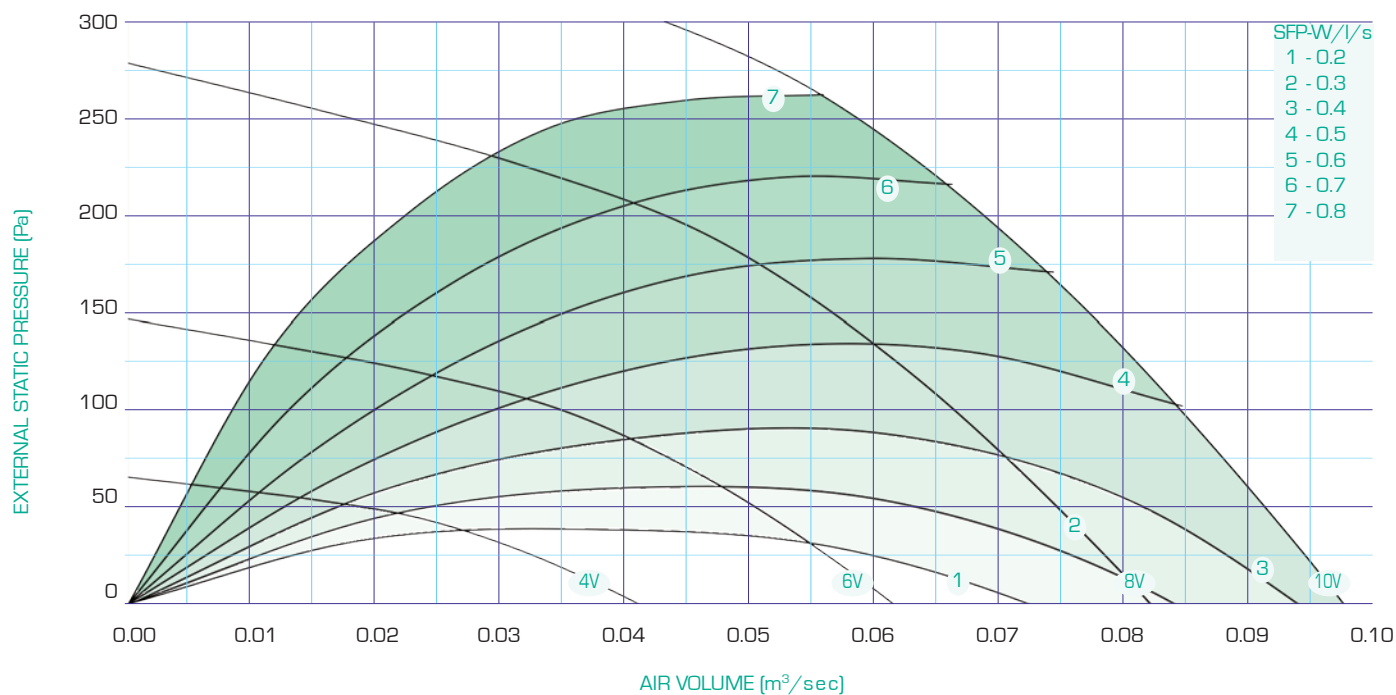
QSS 560 EC @ mid-duty		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
10V 3.700 m³/s @ 200 Pa	Inlet in duct dB	81	80	85	84	80	77	82	82	91	88	58	54	49	44
	Outlet in duct dB	83	82	87	88	87	84	83	83	94	92				
8V 2.950 m³/s @ 150 Pa	Inlet in duct dB	69	78	77	75	72	71	77	73	84	81	51	45	41	36
	Outlet in duct dB	73	79	78	80	80	77	79	75	87	85				
6V 2.300 m³/s @ 100 Pa	Inlet in duct dB	68	73	71	69	66	70	71	62	79	76	45	39	35	28
	Outlet in duct dB	70	75	73	73	73	74	73	63	82	80				
4V 1.450 m³/s @ 50 Pa	Inlet in duct dB	63	59	58	56	55	62	52	45	68	65	32	27	23	17
	Outlet in duct dB	66	60	59	61	62	66	54	45	71	69				

Acoustic Cabinet Fans - Single - RMS-EC



TECHNICAL DATA - RMS 150-EC - roof mounted

FAN SPEED



Tested in accordance with BS EN ISO 5802:2008+A1:2015 Industrial fans. Performance testing in situ

ELECTRICAL DATA

	MODEL	INPUT kW	SUPPLY	FLC amps	RPM
	EM 150 EC	0.05	230V 1Ph	0.46	4320

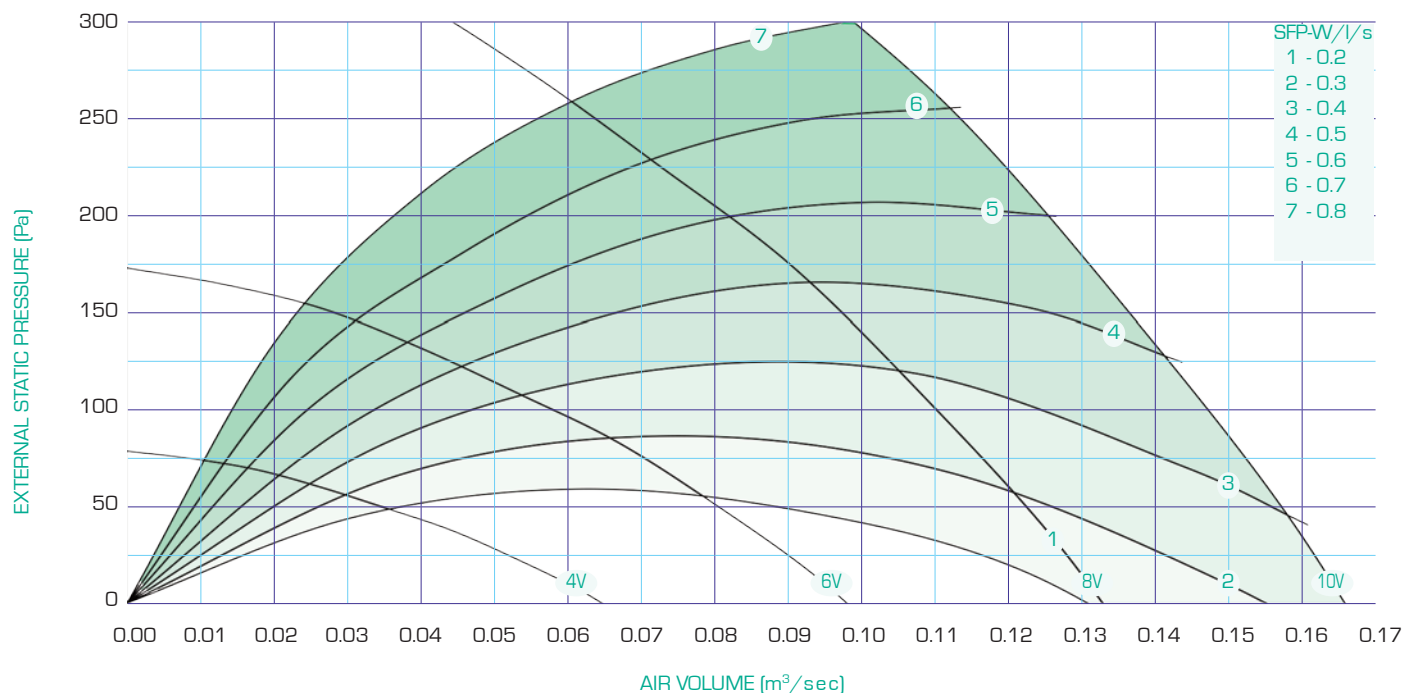
EM 150 EC @ mid-duty		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
10V 0.077 m³/s @ 200 Pa	Inlet in duct dB	58	62	63	64	61	59	58	49	70	67	39	34	29	24
	Outlet in duct dB	63	67	68	69	66	64	63	54	75	72				
8V 0.063 m³/s @ 150 Pa	Inlet in duct dB	60	59	60	60	57	55	53	44	67	63	35	30	26	20
	Outlet in duct dB	65	64	65	65	62	60	58	49	72	68				
6V 0.040 m³/s @ 100 Pa	Inlet in duct dB	55	55	55	54	51	48	44	34	62	56	30	25	21	15
	Outlet in duct dB	60	60	60	59	56	53	49	39	67	61				
4V 0.020 m³/s @ 50 Pa	Inlet in duct dB	48	51	48	48	43	39	32	20	55	49	24	18	14	8
	Outlet in duct dB	53	56	53	53	48	44	37	25	60	54				

Acoustic Cabinet Fans - Single - RMS-EC



TECHNICAL DATA - RMS 200-EC - roof mounted

FAN SPEED



Tested in accordance with BS EN ISO 5802:2008+A1:2015 Industrial fans. Performance testing in situ

ELECTRICAL DATA

	MODEL	INPUT KW	SUPPLY	FLC amps	RPM
	EM 200 EC	0.083	230V 1Ph	0.75	3200

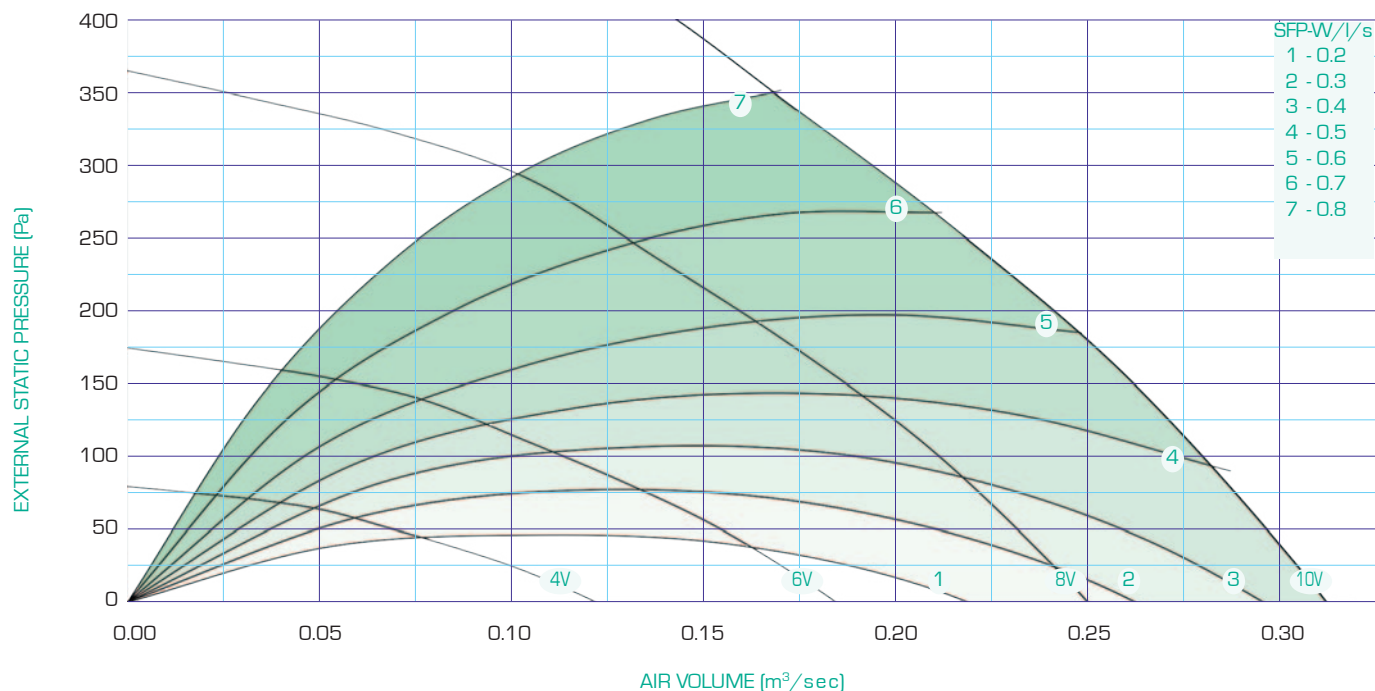
EM 200 EC @ mid-duty		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
10V 0.133 m³/s @ 200 Pa	Inlet in duct dB	62	62	62	68	59	61	57	53	71	68	41	38	31	28
	Outlet in duct dB	67	67	67	73	64	66	62	58	76	73				
8V 0.104 m³/s @ 150 Pa	Inlet in duct dB	56	57	56	61	53	53	51	45	65	61	35	32	26	22
	Outlet in duct dB	63	63	62	67	59	61	56	50	71	68				
6V 0.060 m³/s @ 100 Pa	Inlet in duct dB	51	52	51	56	48	48	41	33	60	56	29	26	20	16
	Outlet in duct dB	56	57	56	61	53	53	46	38	65	61				
4V 0.035 m³/s @ 50 Pa	Inlet in duct dB	42	43	42	47	39	39	29	19	51	47	20	17	11	7
	Outlet in duct dB	47	48	47	52	44	44	34	24	56	52				

Acoustic Cabinet Fans - Single - RMS-EC



TECHNICAL DATA - RMS 250-EC - roof mounted

FAN SPEED



Tested in accordance with BS EN ISO 5802:2008+A1:2015 Industrial fans. Performance testing in situ

ELECTRICAL DATA

	MODEL	INPUT KW	SUPPLY	FLC amps	RPM
	EM 250 EC	0.17	230V 1Ph	1.4	2510

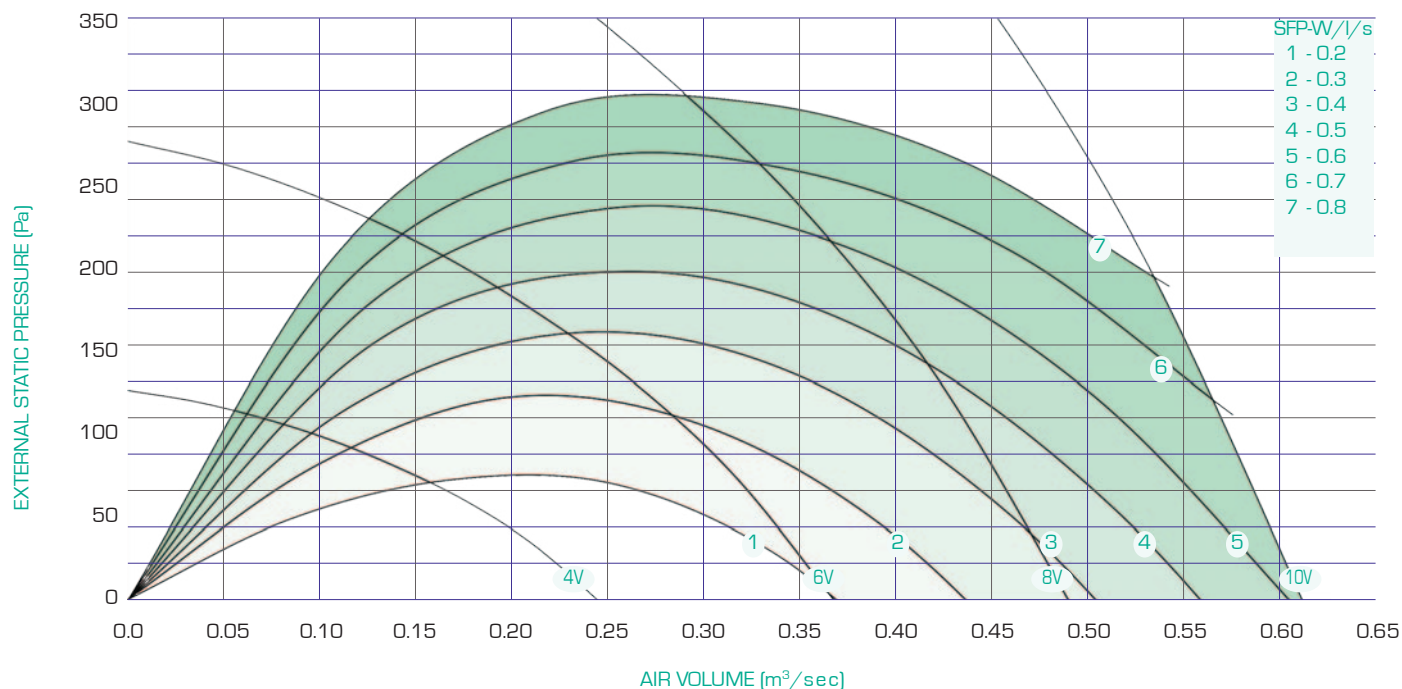
EM 250 EC @ mid-duty		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
10V 0.257 m³/s @ 200 Pa	Inlet in duct dB	59	63	63	63	62	60	58	51	70	67	39	33	29	23
	Outlet in duct dB	64	68	68	68	67	65	63	56	75	72				
8V 0.200 m³/s @ 150 Pa	Inlet in duct dB	55	58	58	57	57	55	52	43	65	62	34	28	24	18
	Outlet in duct dB	60	63	63	62	62	60	57	48	70	67				
6V 0.125 m³/s @ 100 Pa	Inlet in duct dB	50	52	52	52	50	47	42	33	59	55	28	22	18	12
	Outlet in duct dB	55	57	57	57	55	52	47	38	64	60				
4V 0.075 m³/s @ 50 Pa	Inlet in duct dB	43	45	45	45	42	38	31	20	51	47	21	15	11	5
	Outlet in duct dB	48	50	50	50	47	43	36	25	56	52				

Acoustic Cabinet Fans - Single - RMS-EC



TECHNICAL DATA - RMS 315-EC - roof mounted

FAN SPEED



Tested in accordance with BS EN ISO 5802:2008+A1:2015 Industrial fans. Performance testing in situ

ELECTRICAL DATA

	MODEL	INPUT KW	SUPPLY	FLC amps	RPM
	EM 315 EC	0.47	230V 1Ph	3.0	2435

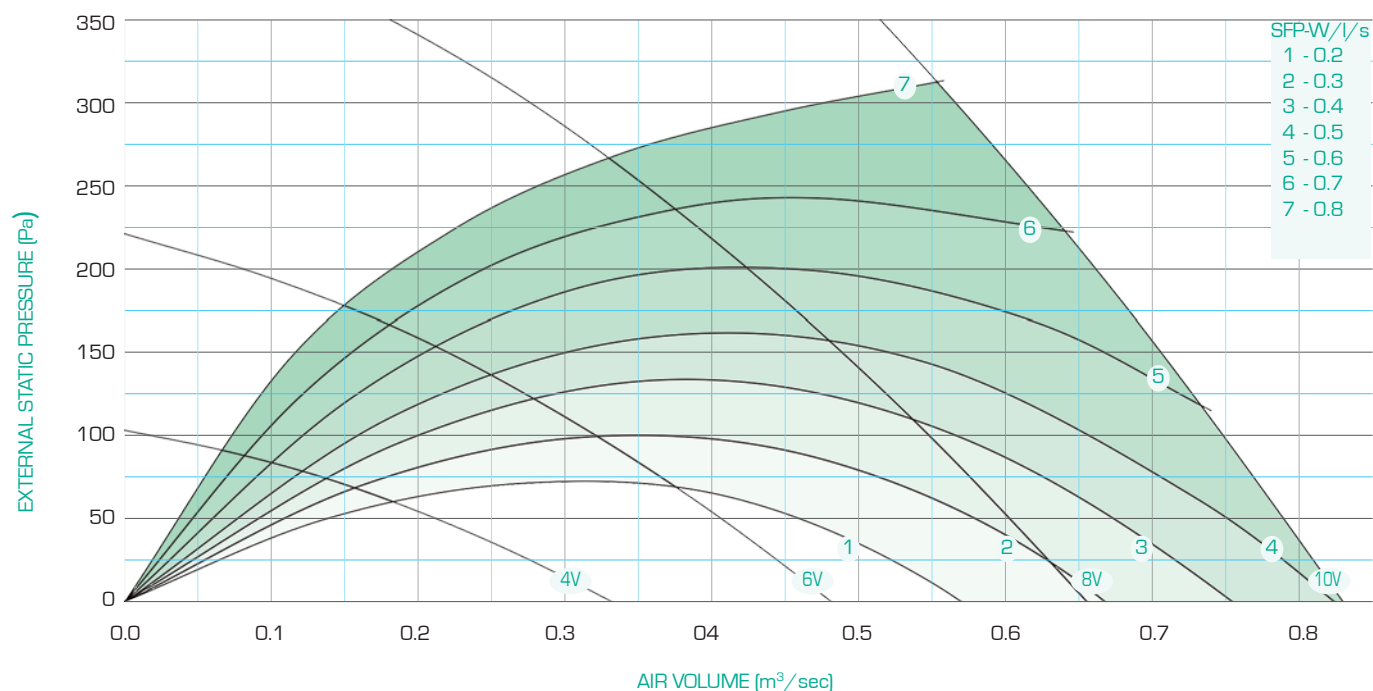
EM 315 EC @ mid-duty		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
10V 0.610 m³/s @ 200 Pa	Inlet in duct dB	66	71	76	74	72	71	69	62	81	78	50	47	41	37
	Outlet in duct dB	71	76	81	79	77	76	74	67	86	83				
8V 0.470 m³/s @ 150 Pa	Inlet in duct dB	62	67	70	68	66	65	62	54	75	72	44	41	35	31
	Outlet in duct dB	67	72	75	73	71	70	67	59	80	77				
6V 0.340 m³/s @ 100 Pa	Inlet in duct dB	57	62	63	61	60	58	54	44	69	65	38	33	28	23
	Outlet in duct dB	62	67	68	66	65	63	59	49	74	70				
4V 0.220 m³/s @ 50 Pa	Inlet in duct dB	51	54	53	51	51	49	44	31	60	55	28	23	19	12
	Outlet in duct dB	56	59	58	56	56	54	49	36	65	60				

Acoustic Cabinet Fans - Single - RMS-EC



TECHNICAL DATA - RMS 350-EC - roof mounted

FAN SPEED



Tested in accordance with BS EN ISO 5802:2008+A1:2015 Industrial fans. Performance testing in situ

ELECTRICAL DATA

	MODEL	INPUT KW	SUPPLY	FLC amps	RPM
	EM 350 EC	0.50	230V 1Ph	2.2	1850

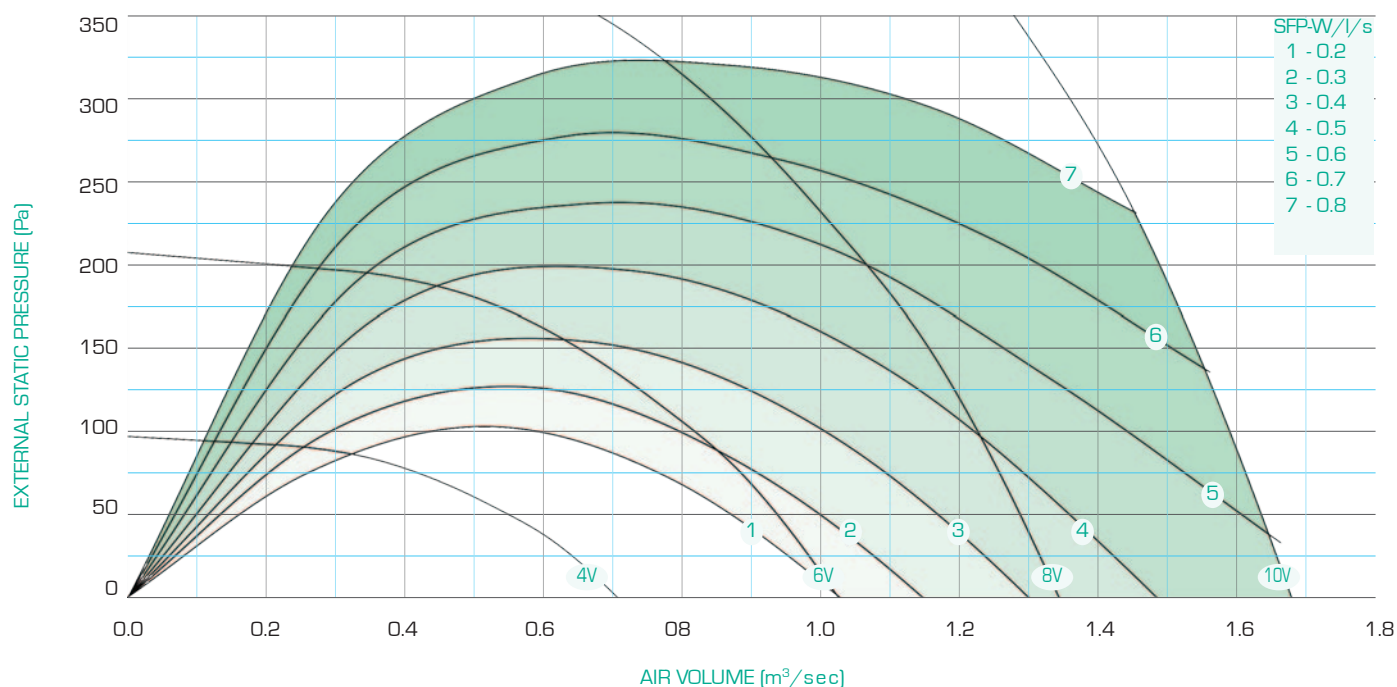
EM 350 EC @ mid-duty		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
10V 0.745 m³/s @ 200 Pa	Inlet in duct dB	65	74	70	67	62	61	58	50	77	69	45	41	36	31
	Outlet in duct dB	70	79	75	72	67	66	63	55	82	74				
8V 0.550 m³/s @ 150 Pa	Inlet in duct dB	61	70	65	62	57	55	51	43	72	64	41	36	31	25
	Outlet in duct dB	66	75	70	67	62	60	56	48	77	69				
6V 0.360 m³/s @ 100 Pa	Inlet in duct dB	57	66	58	57	51	48	43	34	68	58	36	31	26	20
	Outlet in duct dB	62	71	63	62	56	53	48	39	73	63				
4V 0.230 m³/s @ 50 Pa	Inlet in duct dB	50	59	50	47	42	39	32	20	60	49	28	23	18	12
	Outlet in duct dB	55	64	55	52	47	44	37	25	65	54				

Acoustic Cabinet Fans - Single - RMS-EC



TECHNICAL DATA - RMS 450-EC - roof mounted

FAN SPEED



Tested in accordance with BS EN ISO 5802:2008+A1:2015 Industrial fans. Performance testing in situ

ELECTRICAL DATA

	MODEL	INPUT KW	SUPPLY	FLC amps	RPM
	EM 450 EC	1.3	230V 1Ph	6.8	2020

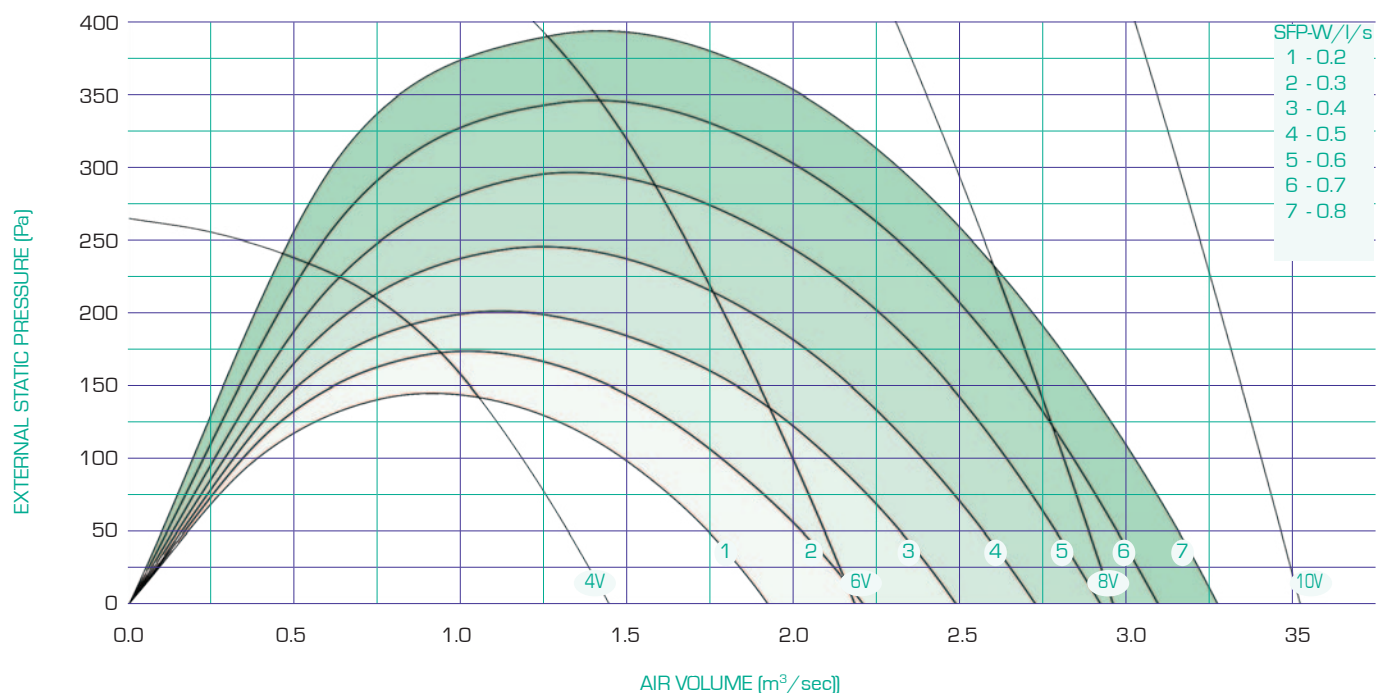
EM 450 EC @ mid-duty		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
10V 1.660 m³/s @ 200 Pa	Inlet in duct dB	74	77	74	71	65	63	61	66	81	73	51	47	42	36
	Outlet in duct dB	74	85	80	78	76	72	68	71	88	81				
8V 1.280 m³/s @ 150 Pa	Inlet in duct dB	68	73	69	66	60	58	56	55	76	68	46	43	36	32
	Outlet in duct dB	69	81	71	74	71	67	63	61	83	76				
6V 0.920 m³/s @ 100 Pa	Inlet in duct dB	62	67	58	56	51	50	50	38	69	59	38	35	29	24
	Outlet in duct dB	67	74	63	65	62	58	56	45	76	67				
4V 0.610 m³/s @ 50 Pa	Inlet in duct dB	61	51	50	47	44	43	38	27	62	50	26	21	16	11
	Outlet in duct dB	64	53	53	56	54	49	42	31	66	58				

Acoustic Cabinet Fans - Single - RMS-EC



TECHNICAL DATA - RMS 560-EC - externally mounted

FAN SPEED



Tested in accordance with BS EN ISO 5802:2008+A1:2015 Industrial fans. Performance testing in situ

ELECTRICAL DATA

	MODEL	INPUT KW	SUPPLY	FLC amps	RPM
	EM 560 EC	4.15	400V 3Ph	6.3	2480

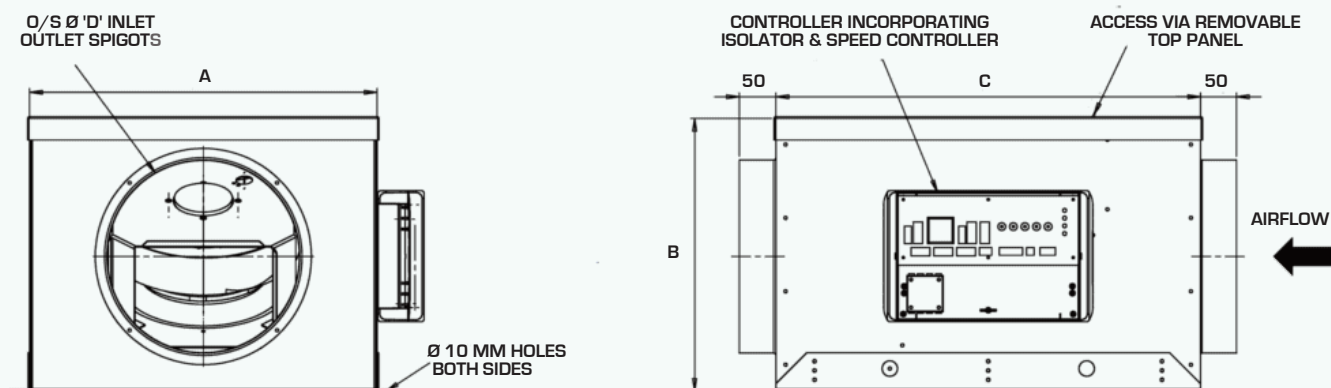
EM 560 EC @ mid-duty		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
10V 3.700 m³/s @ 200 Pa	Inlet in duct dB	81	80	85	84	80	77	82	82	91	88	58	54	49	44
	Outlet in duct dB	83	82	87	88	87	84	83	83	94	92				
8V 2.950 m³/s @ 150 Pa	Inlet in duct dB	69	78	77	75	72	71	77	73	84	81	51	45	41	36
	Outlet in duct dB	73	79	78	80	80	77	79	75	87	85				
6V 2.300 m³/s @ 100 Pa	Inlet in duct dB	68	73	71	69	66	70	71	62	79	76	45	39	35	28
	Outlet in duct dB	70	75	73	73	73	74	73	63	82	80				
4V 1.450 m³/s @ 50 Pa	Inlet in duct dB	63	59	58	56	55	62	52	45	68	65	32	27	23	17
	Outlet in duct dB	66	60	59	61	62	66	54	45	71	69				

Acoustic Cabinet Fans - Single - ACFS-EC. RMS-EC Plant and Roof



UNIT DIMENSIONS

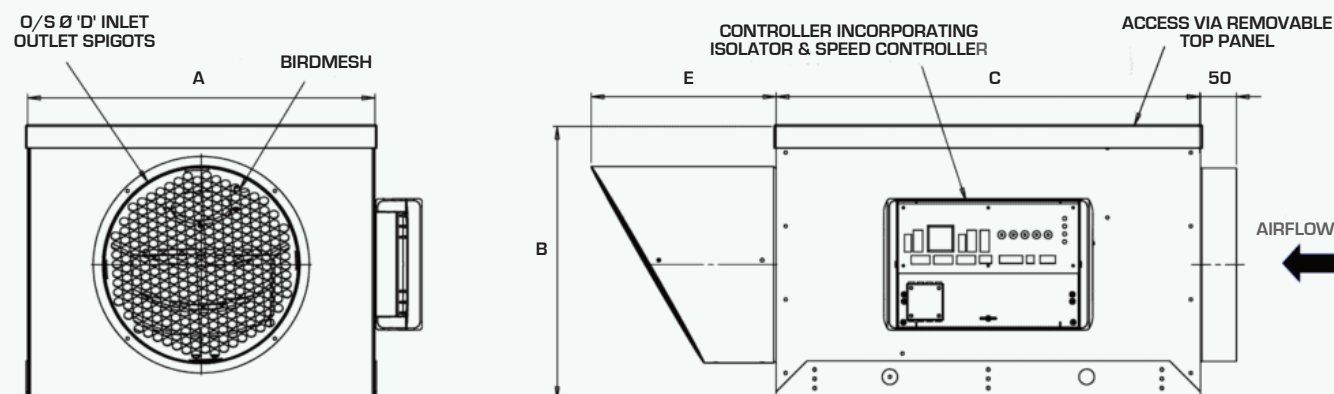
SINGLE PLANT



SINGLE INTERNAL AND EXTERNAL

Model	A	B	C	D	E	kg internal	kg external	trickle/boost	Isolator
150-EC	250	250	300	150	180	9	10	yes	yes
200-EC	350	250	400	200	210	14	15	yes	yes
250-EC	450	350	550	250	240	26	27	yes	yes
315-EC	550	400	600	310	275	32	33	yes	yes
350-EC	650	550	650	350	295	45	47	yes	yes
450-EC	750	650	975	450	350	74	80	yes	yes
560-EC	900	800	1100	560	415	114	118	yes	yes

SINGLE ROOF

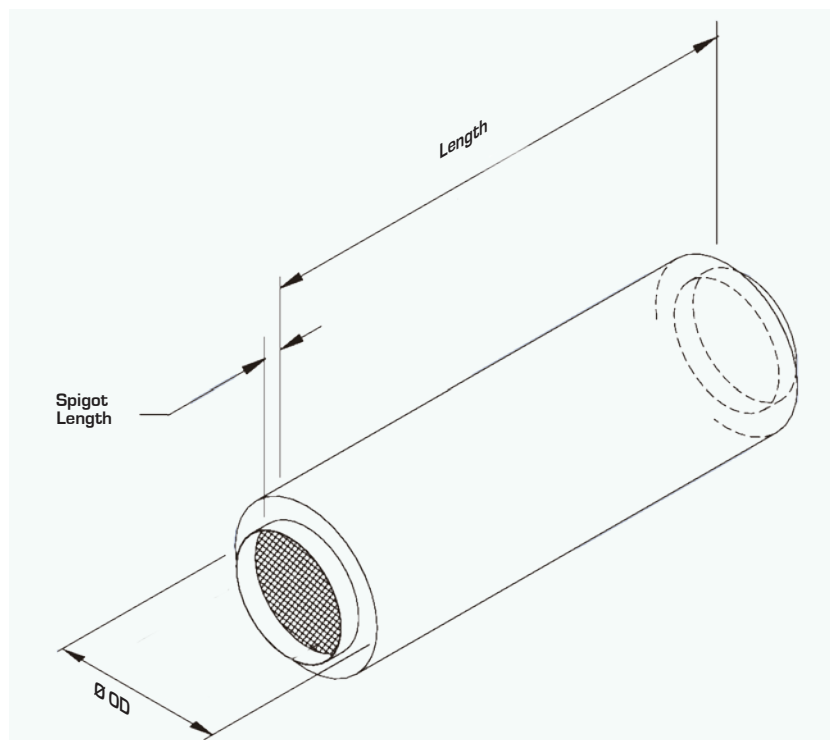


Acoustic Cabinet Fans - Single - ACFS-EC. RMS-EC Plant and Roof



ANCILLARIES - ATTENUATOR

- Circular duct attenuator
- Constructed from spiral wound, galvanised sheet steel.
- Peripheral out of airstream acoustic lining.
- Spigot connections with EPDM seals for slip jointing to adjoining ductwork



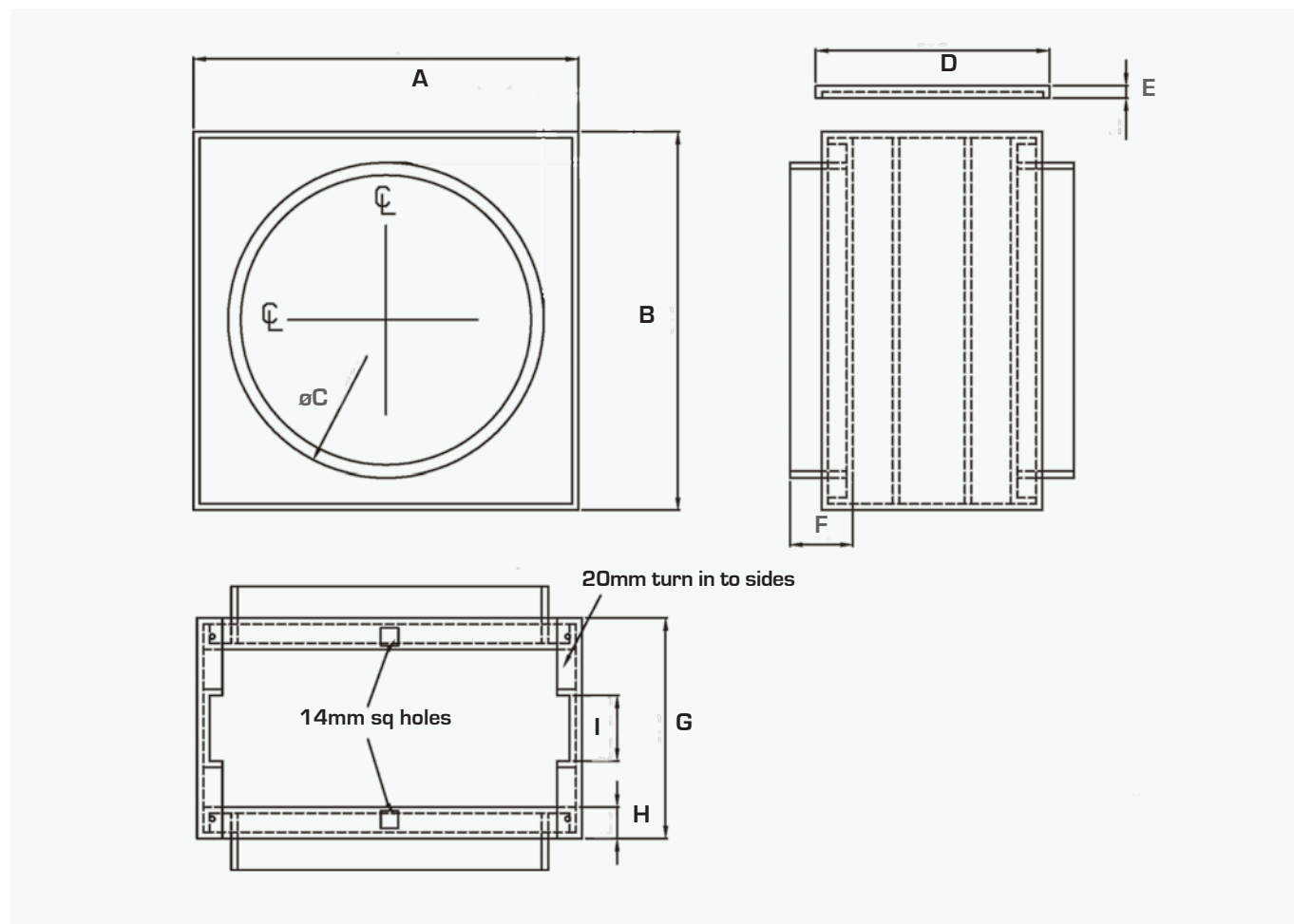
Model	Length	Spigot Length	External Diameter
SIL150	600	38	255
SIL200	600	38	305
SIL250	600	38	360
SIL315	600	38	405
SIL350	600	38	455
SIL450	600	38	565
SIL560	600	38	605
SIL150/90	900	38	255
SIL200/90	900	38	305
SIL250/90	900	38	360
SIL315/90	900	38	405
SIL350/90	900	38	455
SIL450/90	900	38	565
SIL560/90	900	38	605

Dimensions in mm

Acoustic Cabinet Fans - Single - ACFS-EC. RMS-EC Plant and Roof



ANCILLARIES - FILTER BOX WITH G3 FILTER



Model	A	B	øC	D	E	F	G	H	I
FUV150	204	198	150	185	10	50	175	25	52i/s
FUV200	254	249	200	185	10	50	175	25	52i/s
FUV250	305	300	250	185	10	50	175	25	52i/s
FUV315	350	376	315	185	10	50	175	25	52i/s
FUV350	455	450	350	210	10	50	200	25	52i/s
FUV450	500	505	450	210	10	50	200	25	52i/s
FUV560	600	605	560	210	10	50	200	25	98i/s

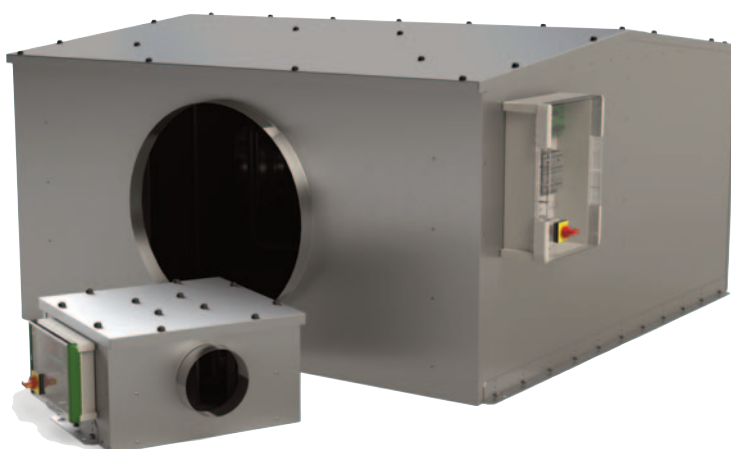
Dimensions in mm

Acoustic Cabinet Fans - Twin - DMTSQ-EC. RMTS-EC Plant and Roof



TWIN FAN MODELS

- Twin Fan models are available to complement the Single Fan range.
- Twin Fan Models up to 3.8 m³/sec
- Plant and roof mounted versions.
- Acoustic lining to reduce noise breakout
- EC fans, direct drive
- Low SFP to help achieve L2 Regulations.
- Constant Pressure Controller available
- All units are fitted with pre-wired auto changeover panel saving time and money on site.
The ACOP's features comprise:
 - VFC BMS enable
 - VFC BMS boost
 - Fan fault BMS link
 - Remote 0-10V speed control
 - Duty Share (adjustable)
 - Run on timer for boost 0-20 minutes)
 - Trickle and boost setting
 - P.I.R. enabled Boost



Products manufactured in the UK to ISO 9001:2015 and ISO 14001:2015

Other Vectaire Products

Whole House Mechanical Ventilation

MVHR, MEV, dMEV

Midi & Midi BY-AT (MVHR)

- For wall or loft installation in homes and offices
- **Midi BY-AT with integral acoustic attenuation - very low noise levels**
- Summer bypass and frost-stat
- Up to 94% heat exchange efficiency - sfp from 0.50 W/l/s
- Up to 95 l/s at 50Pa - max 101 l/s capacity
- Models with integral humidistat
- Commissioned via integral LCD or remote LCD commissioning unit

Maxi & Maxi BY-AT (MVHR)

- For wall or loft installation in homes and offices
- **Maxi BY-AT with integral acoustic attenuation - very low noise levels**
- Summer bypass and frost-stat
- Up to 92% heat exchange efficiency - sfp from 0.40 W/l/s
- **Up to 163 l/s at 50Pa - max 177 l/s capacity**
- Models with integral humidistat
- Commissioned via integral LCD or remote LCD commissioning unit

MaxiPlus-BY & MaxiPlus/BY/AT (MVHR)

- For wall or loft installation in homes and offices
- **MaxiPlus/ BY/AT with integral acoustic attenuation - very low noise levels**
- Summer bypass and frost-stat
- Up to 89% heat exchange efficiency - sfp from 0.46 W/l/s
- **Up to 230 l/s at 50Pa - max 238 l/s capacity**
- Models with integral humidistat
- Commissioned via integral LCD or remote LCD commissioning unit

EVO200 & EVO250 (MVHR)

- For in-line installation in homes and offices
- Summer bypass and frost-stat
- Up to 94/88% heat exchange efficiency
- Up to 74/80 litre/sec at 50Pa - max 81/85 l/s capacity
- Specific Fan Power from 0.64/0.70 W/l/s
- Models with integral humidistat
- Commissioned via remote LCD commissioning unit

-EVO220 (MVHR)

- For in-line installation in homes and offices
- Summer bypass and frost-stat
- Up to 87% heat exchange efficiency - sfp from 0.55 W/l/s
- Up to 70 l/s at 50Pa - max 75 l/s capacity
- Models with integral humidistat
- Commissioned via remote LCD commissioning unit

EVO350 (MVHR)

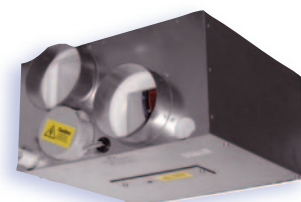
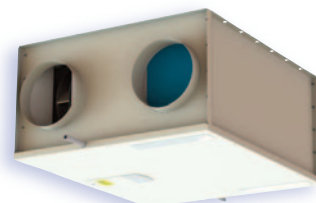
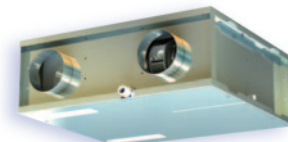
- For in-line installation in homes and offices
- Summer bypass and frost-stat
- Up to 88% heat exchange efficiency - sfp from 0.67 W/l/s
- Up to 107 l/s at 50Pa - max 116 l/s capacity
- Models with integral humidistat
- Commissioned via remote LCD commissioning unit

Studio (MVHR)

- For in-line installation in multi-occupancy establishments
- With and without summer bypass and frost-stat
- Up to 80% heat exchange efficiency - sfp from 0.91 W/l/s
- Up to 55 l/s at 50Pa - max 59 l/s capacity
- Models with integral humidistat
- Commissioned via remote LCD commissioning unit

Mini (MVHR)

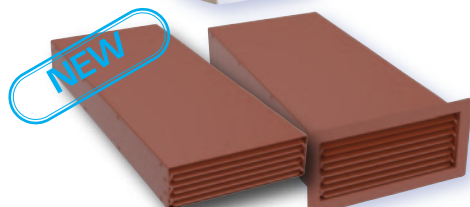
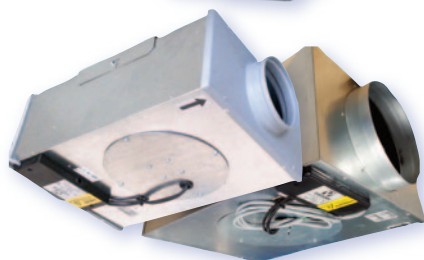
- For in-line installation in multi-occupancy establishments
- With and without summer bypass and frost-stat
- Up to 83% heat exchange efficiency - sfp from 1.11 W/l/s
- Up to 30 l/s at 50Pa - max 34 l/s capacity
- Commissioned via remote LCD commissioning unit



Other Vectaire Products

Whole House Mechanical Ventilation

MVHR, MEV, dMEV



Purge Ventilation

- 2 capacities for in-line installation in residential dwellings
- For rapid purge ventilation and tackling overheating issues
- Purge Box 100 up to 100 l/s at 50Pa - max 200 l/s capacity sfp from 0.20 W/l/s
- Purge Box 200 up to 233 l/s at 50Pa - max 250 l/s capacity sfp from 0.27 W/l/s
- Use as stand alone units or with MVHR and MEV systems

MBOX125/2DC-B//MBOX200/2DC (MEVs)

- For in-line installation in homes and offices
- MBOX125/2DC-B - ultra low profile - 184mm deep
- Up to 97 l/s at 50Pa - max 108 l/s capacity//Up to 233 l/s at 50Pa - max 251 l/s capacity
- sfp from 0.20 W/l/s//sfp from 0.27 W/l/s
- Optional purge cable factory set
- Available with 204mm x 60mm spigot//Available with 220mm x 90mm spigot
- Continuous running - choice of trickle and boost speeds

Elegance (dMEV) EL1003 & EL1203

- EL1003 - 4"/10cm, EL1203 - 5"/12cm
- Continuous running 3 speed (2 trickle speeds and boost) axial fans
- For installation in any domestic wet room
- Up to 26.9 litre/sec - 44 litre/sec capacity - sfp from 0.09 W/l/s
- AC motor versions in 100mm dia and 150mm dia available - Page 86

Elix (dMEV)

- Continuous running 3 speed (2 trickle speeds and boost) centrifugal fan
- EC motor for high efficiency low energy usage
- For installation in any domestic wet room
- Up to 27.8 litre/sec capacity - sfp from 0.14 W/l/s

ELPREX (dMEV)

- Continuous running 4 speed (1 trickle and choice of 3 boost speeds) centrifugal fan
- Energy efficient motor
- For installation in walls and ceilings in all kitchens
- Up to 60 litre/sec capacity - sfp from 0.35 W/l/s

E-Smile (dMEV)

- Continuous running 3 speed (2 trickle speeds and boost) axial fan
- For installation in any domestic wet room
- Up to 21 litre/sec capacity, sfp from 0.37 W/l/s

Heatrec 1003

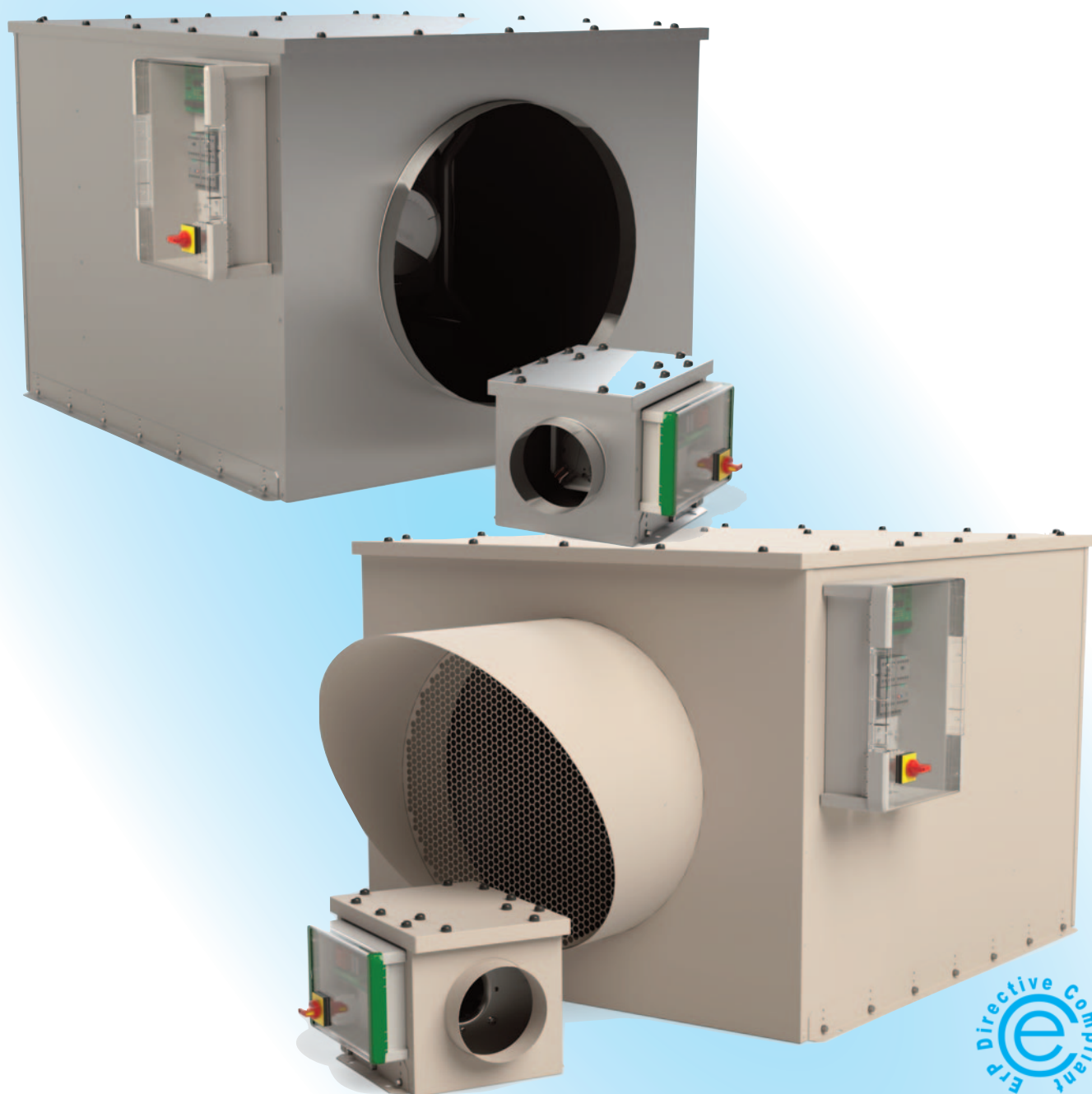
- Single room heat recovery unit
- EC motors for high efficiency low energy usage
- Recovers up to 75% of heat from extracted, polluted air
- 3 speed for any domestic wet room
- Continuous running - choice of trickle and boost speeds
- Heat exchange tube available in 3 lengths
- With summer bypass and frost-stat

Fire Rated Air Bricks

- High performance no-combustible terminals (Approved Document B (fire safety) Volume 1: Dwellings, 2019 Edition)
- Manufactured from 0.9mm electro-galvanised sheet steel, fire class A1
- Corrosion resistant-salt spray tested to ISO9227:2022, ASTM B117-19
- Polyester powder coating meeting EN13501-1 classification A2-s1,d0
- Complies with Approved Document F Volume1, 2021 edition

Acoustic Cabinet Fans with EC Motors

Single Fan Models



Single Fan Models - up to 3.9 m³/sec - EC Motors - Low SFPs

Vectaire Ltd
Lincoln Road
Cressex Business Park
High Wycombe
Buckinghamshire
HP12 3RH
Tel: +44(0)1494 522333
Fax: +44(0)1494 522337
Email: sales@vectaire.co.uk
Web: www.vectaire.co.uk

