

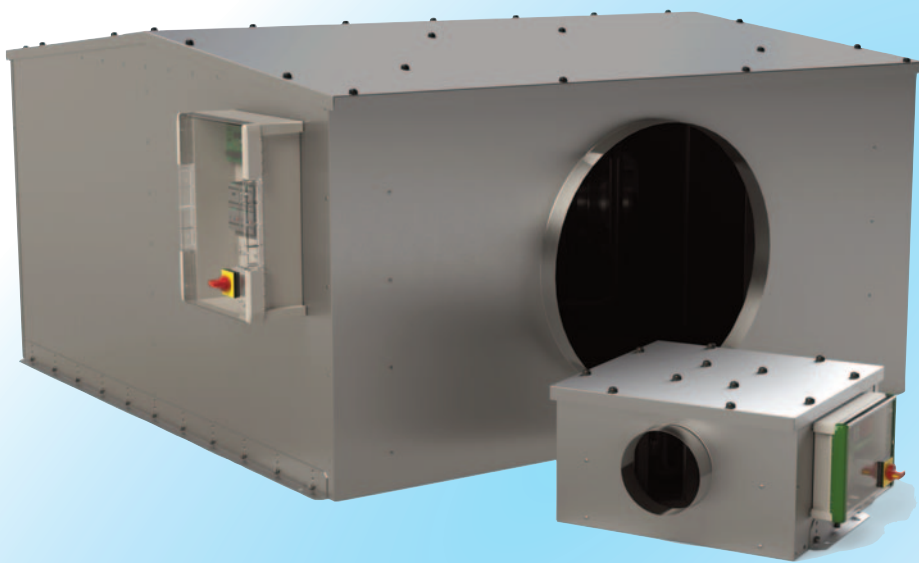
Acoustic Cabinet Fans

with

EC Motors

Twin Fan Models

Plant and Roof



Twin Fan Models - up to 3.8 m³/sec - EC Motors - Low SFPs

Features and Benefits

Acoustic Cabinet Fans

- Twin fans
- ErP 2018
- EC fans to suit L2
- DMTSQ denotes internally mounted fan
- RMTS denotes externally mounted fan
- Integral backdraught shutter

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 model
- External models are powder coated
- External models with removable discharge cowl
- Top or bottom access options

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



Auto Changeover Panel

- All units are fitted with a pre-wired ACOP.
- This saves time and money on site.
- The ACOP has comprehensive features as standard.
 - 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

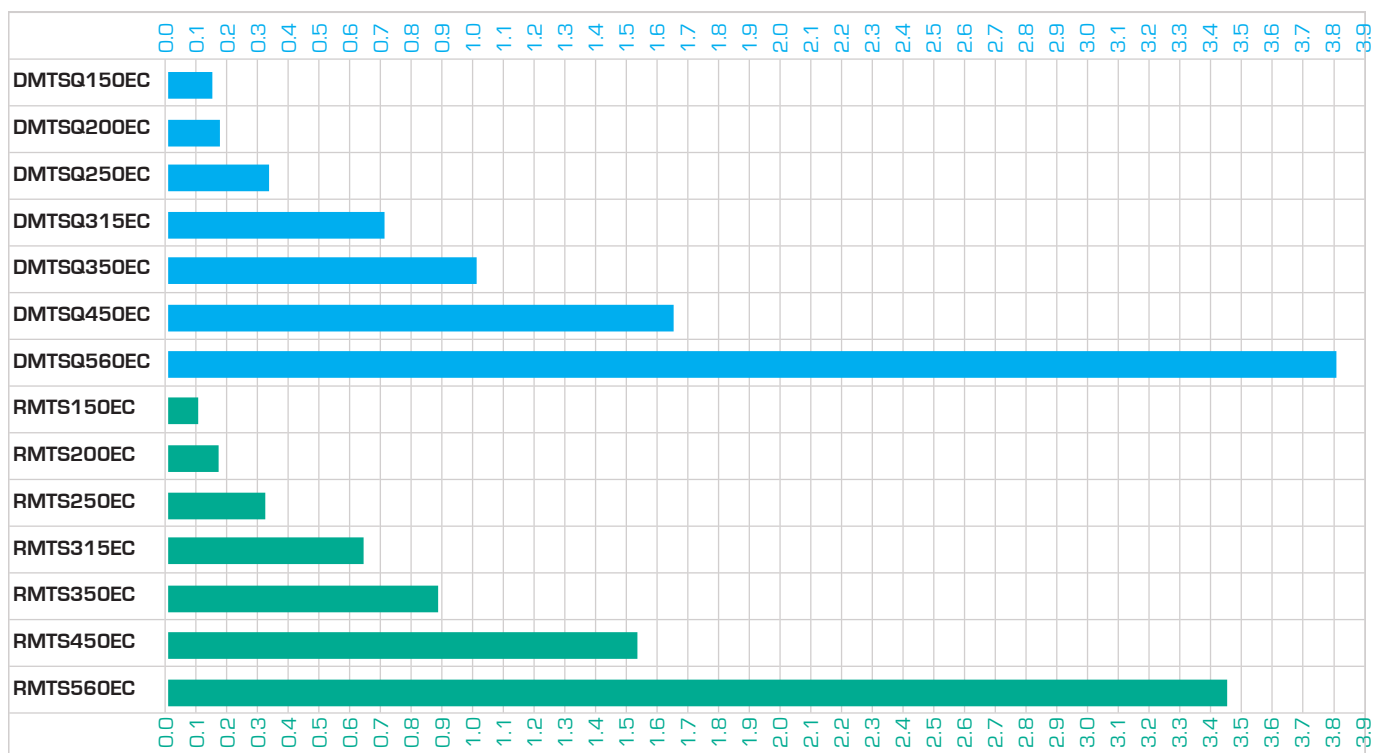
Accessories

- Silencers
- AV mounts
- Duct clamps

Selection Chart



Maximum Air Volume (m³/sec)

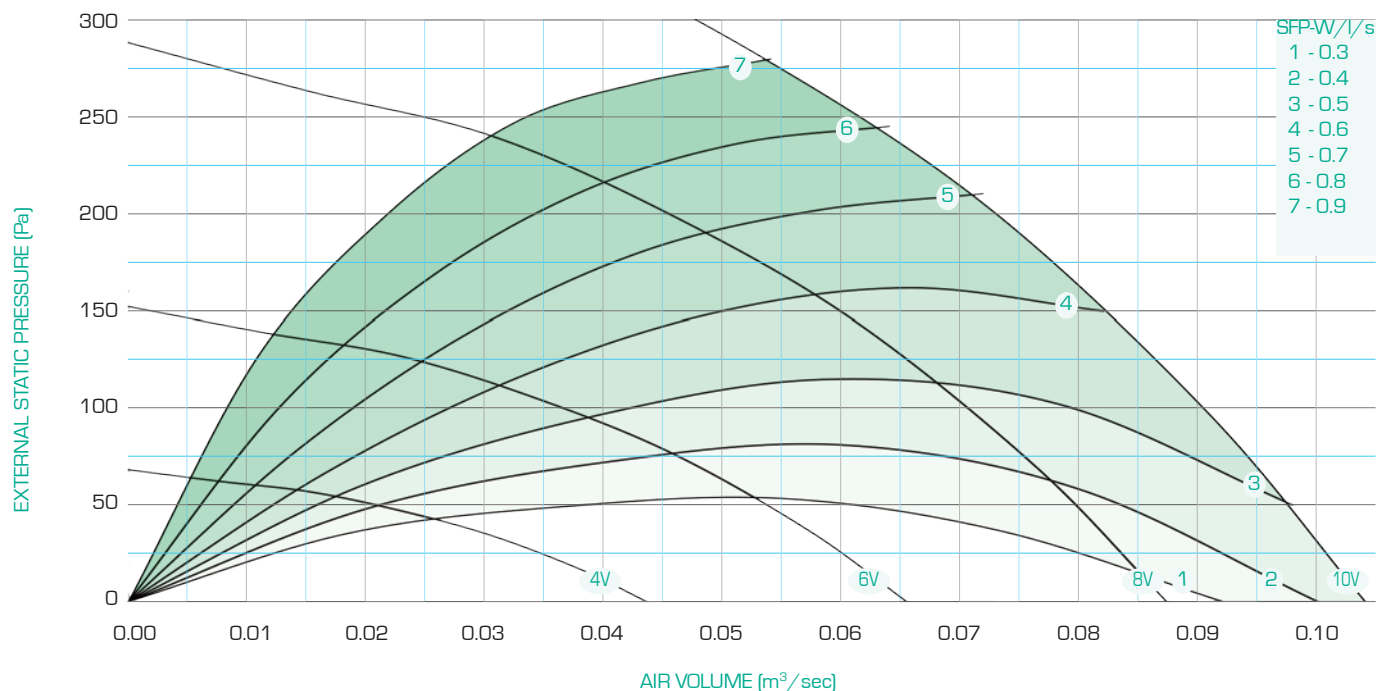


Acoustic Cabinet Fans - Twin - DMTSQ-EC



TECHNICAL DATA - DMTSQ 150-EC - plant model

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
	GST 150 EC	0.05	230V 1Ph	0.46	4320

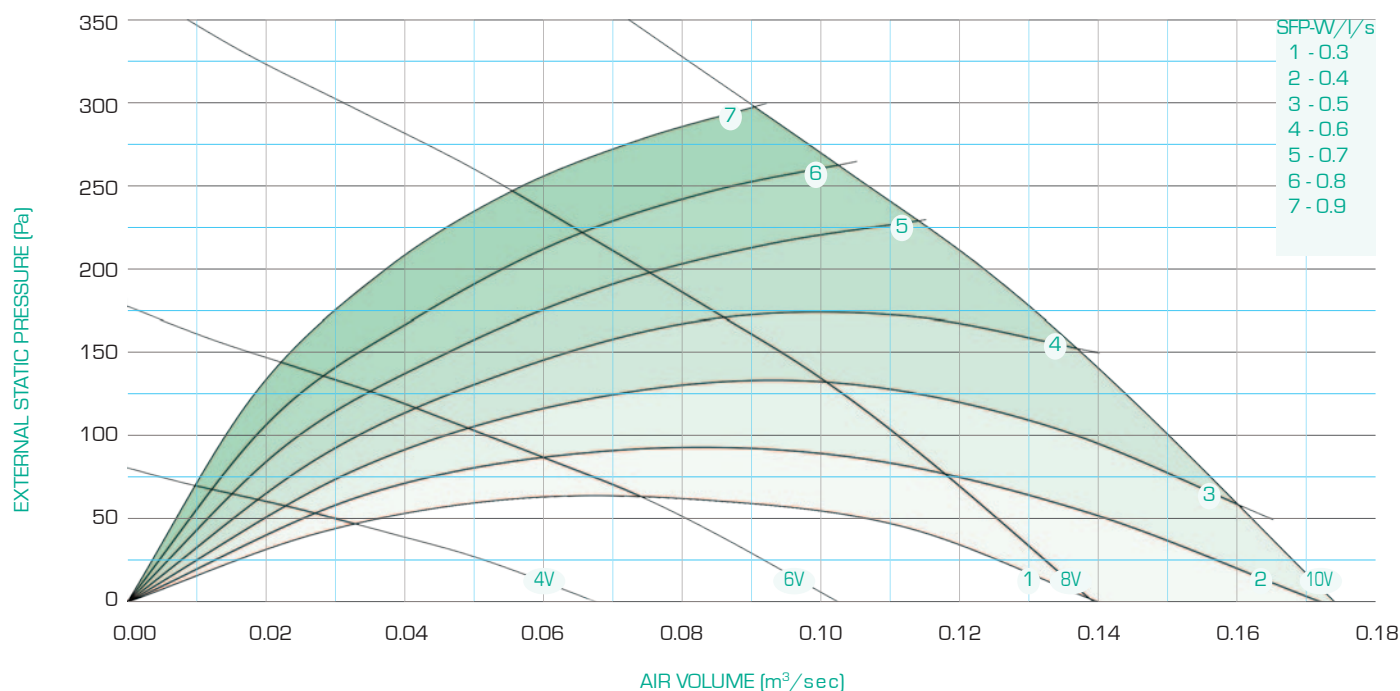
GST 150 EC @ mid-duty		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
10V 0.073 m ³ /s @ 200 Pa	Inlet in duct dB	63	63	64	64	61	59	58	49	71	67	39	34	30	24
	Outlet in duct dB	68	68	69	69	66	64	63	54	76	72				
8V 0.060 m ³ /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 0.038 m ³ /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 m ³ /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 - Twin - DMTSQ-EC



TECHNICAL DATA - DMTSQ 200-EC - plant model

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
	GST 200 EC	0.083	230V 1Ph	0.75	3200

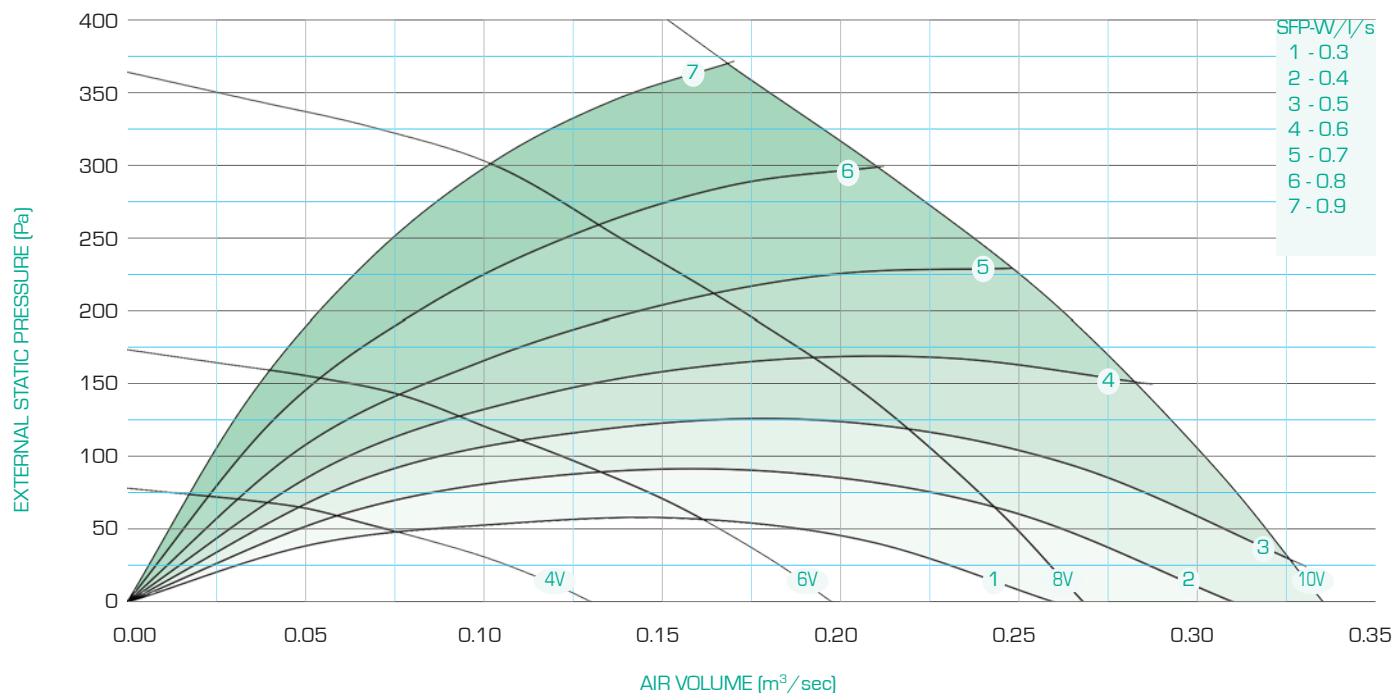
GST 200 EC @ mid-duty		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
10V 0.125 m³/s @ 200 Pa	Inlet in duct dB	62	63	62	67	59	61	57	52	68	66	40	37	31	27
	Outlet in duct dB	67	68	67	72	64	66	62	56	73	71				
8V 0.093 m³/s @ 150 Pa	Inlet in duct dB	58	60	57	61	54	55	49	43	62	61	35	31	25	21
	Outlet in duct dB	63	65	62	66	59	60	54	48	67	66				
6V 0.051 m³/s @ 100 Pa	Inlet in duct dB	49	50	52	57	49	49	41	33	57	54	30	27	20	17
	Outlet in duct dB	54	55	57	62	54	54	46	38	62	59				
4V 0.030 m³/s @ 50 Pa	Inlet in duct dB	43	44	45	49	41	40	31	21	49	46	22	19	13	9
	Outlet in duct dB	48	49	50	54	46	45	36	26	54	51				

Acoustic Cabinet Fans - Twin - DMTSQ-EC



TECHNICAL DATA - DMTSQ 250-EC -plant model

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
	GST 250 EC	0.17	230V 1Ph	1.4	2510

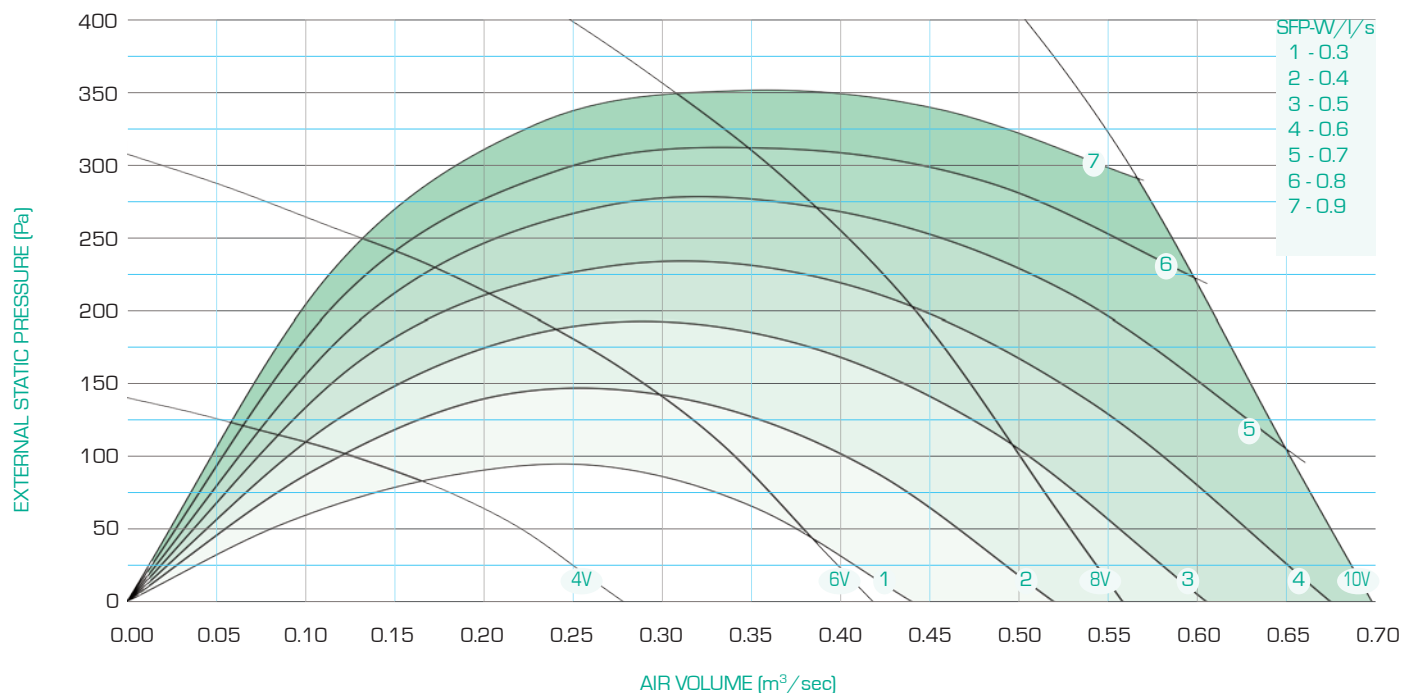
GST 250 EC @ mid-duty		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
10V 0.260 m³/s @ 200 Pa	Inlet in duct dB	59	63	63	63	62	60	58	51	70	67	39	33	29	23
	Outlet in duct dB	64	68	68	68	67	65	63	56	75	72				
8V 0.205 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 - Twin - DMTSQ-EC



TECHNICAL DATA - DMTSQ 315-EC -plant model

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
	QST 315 EC	0.5	230V 1Ph	2.2	2360

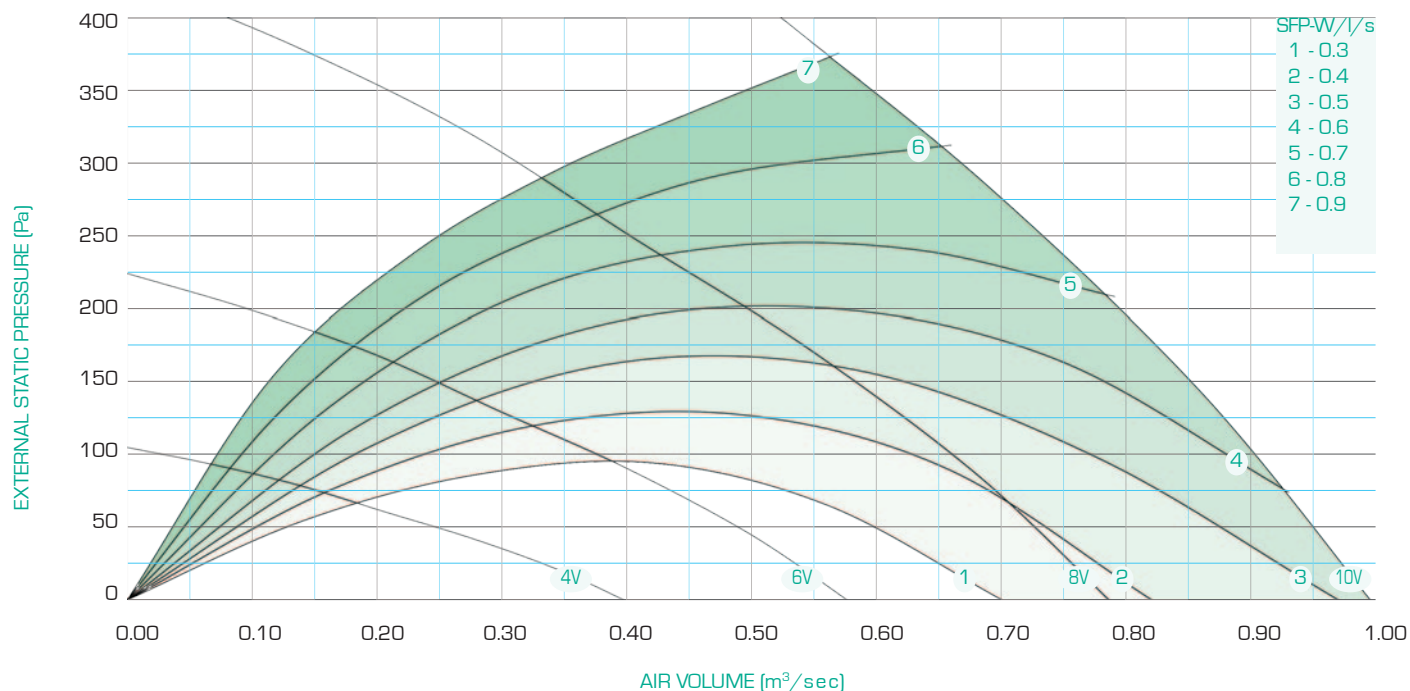
QST 315 EC @ mid-duty		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
10V 0.610 m³/s @ 200 Pa	Inlet in duct dB	71	73	71	69	65	64	59	55	78	71	46	42	36	32
	Outlet in duct dB	76	78	76	74	70	69	64	60	83	76				
8V 0.470 m³/s @ 150 Pa	Inlet in duct dB	67	69	66	64	59	59	53	47	73	66	41	37	32	26
	Outlet in duct dB	72	74	71	69	64	64	58	52	78	71				
6V 0.340 m³/s @ 100 Pa	Inlet in duct dB	63	64	60	57	53	52	45	38	68	59	35	30	26	20
	Outlet in duct dB	68	69	65	62	58	57	50	43	73	64				
4V 0.220 m³/s @ 50 Pa	Inlet in duct dB	56	56	51	48	44	42	34	24	60	50	27	20	17	10
	Outlet in duct dB	61	61	56	53	49	47	39	29	65	55				

Acoustic Cabinet Fans - Twin - DMTSQ-EC



TECHNICAL DATA - DMTSQ 350-EC -plant model

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
	QST 350 EC	0.5	230V 1Ph	2.2	1850

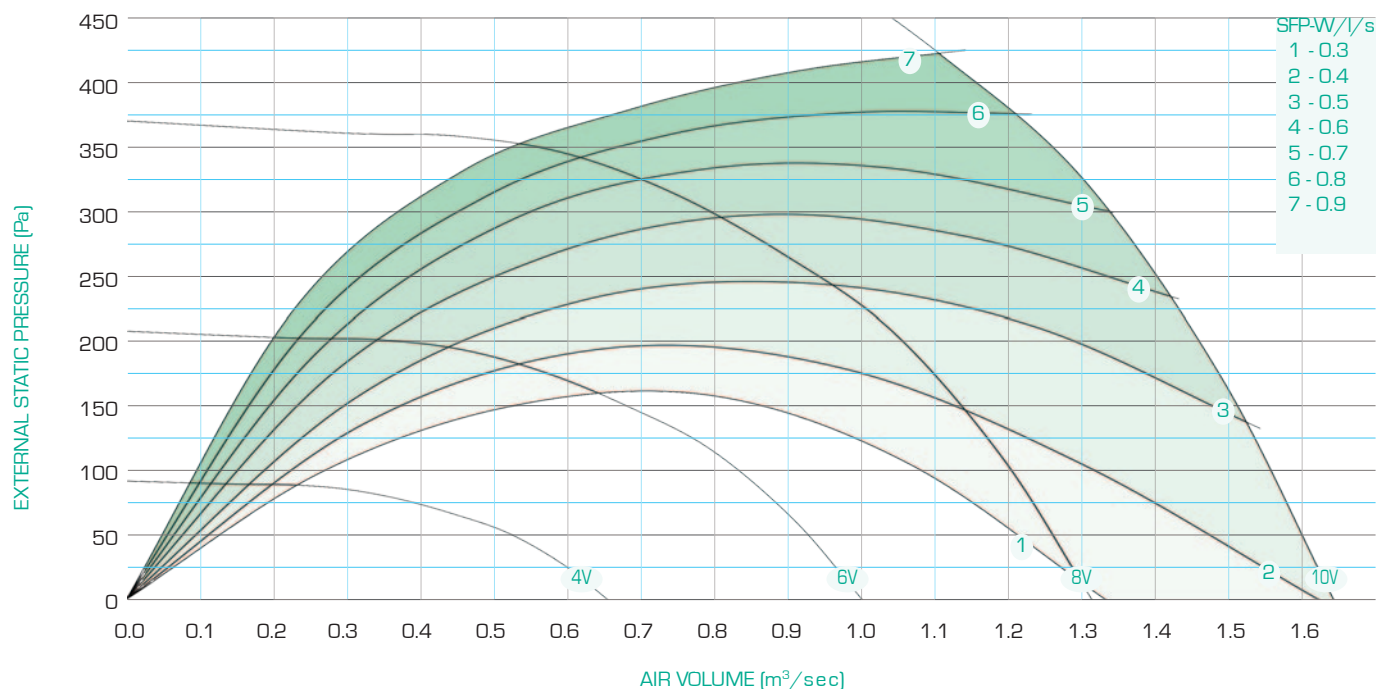
QST 350 EC @ mid-duty		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
10V 0.790 m³/s @ 200 Pa	Inlet in duct dB	65	73	71	67	62	61	59	50	76	69	45	42	36	32
	Outlet in duct dB	70	78	76	72	67	66	64	55	81	74				
8V 0.580 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 0.380 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 0.250 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 - Twin - DMTSQ-EC



TECHNICAL DATA - DMTSQ 450-EC -plant model

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
	QST 450 EC	0.95	400V 3Ph	1.5	1550

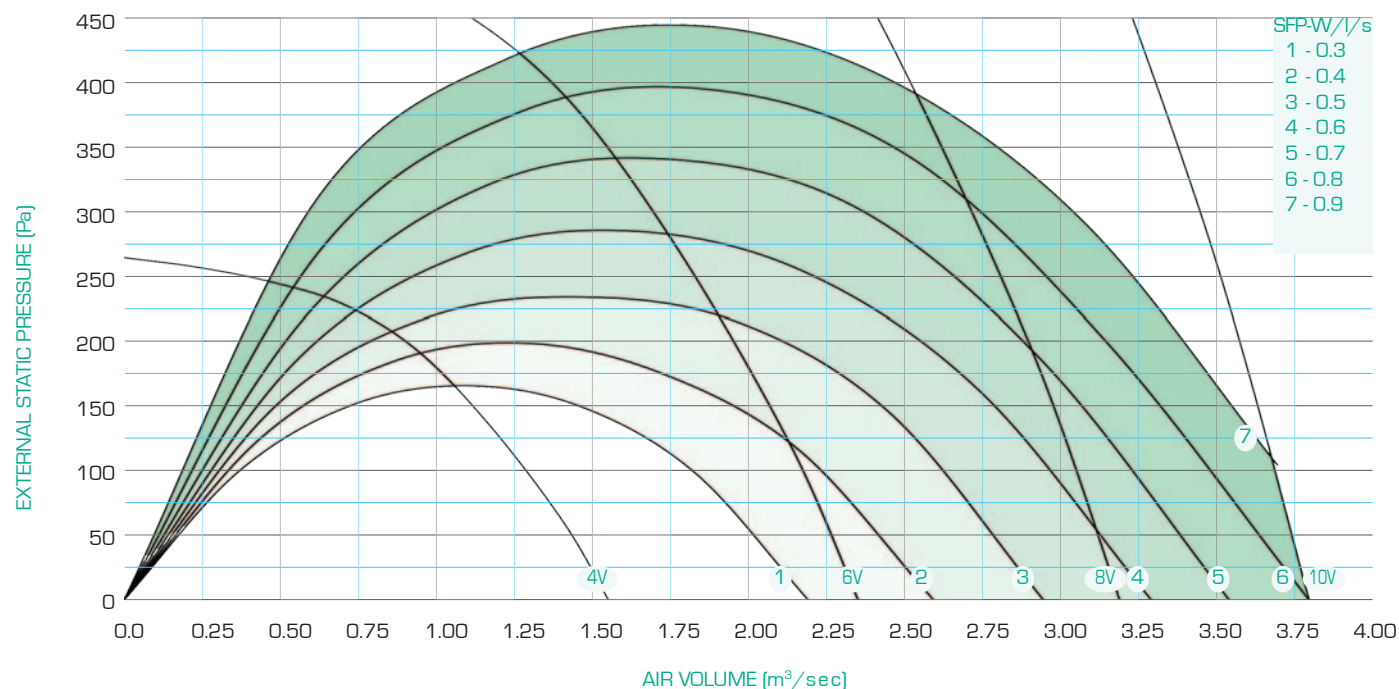
QST 450 EC @ mid-duty		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
10V 1.450 m³/s @ 200 Pa	Inlet in duct dB	67	71	71	72	66	68	61	54	78	74	46	41	36	31
	Outlet in duct dB	68	72	72	75	76	75	67	59	82	80				
8V 1.130 m³/s @ 150 Pa	Inlet in duct dB	63	66	66	66	61	62	54	46	72	68	40	36	30	26
	Outlet in duct dB	64	67	66	69	71	69	60	51	76	75				
6V 0.820 m³/s @ 100 Pa	Inlet in duct dB	57	61	59	59	54	55	47	36	66	61	33	29	24	19
	Outlet in duct dB	58	62	60	62	64	62	53	41	70	68				
4V 0.530 m³/s @ 50 Pa	Inlet in duct dB	50	53	49	49	45	46	37	23	57	52	25	20	15	10
	Outlet in duct dB	51	55	50	53	55	53	43	29	61	59				

Acoustic Cabinet Fans - Twin - DMTSQ-EC



TECHNICAL DATA - DMTSQ 5600-EC - plant model

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
	QST 560 EC	4.15	400V 3Ph	6.3	2480

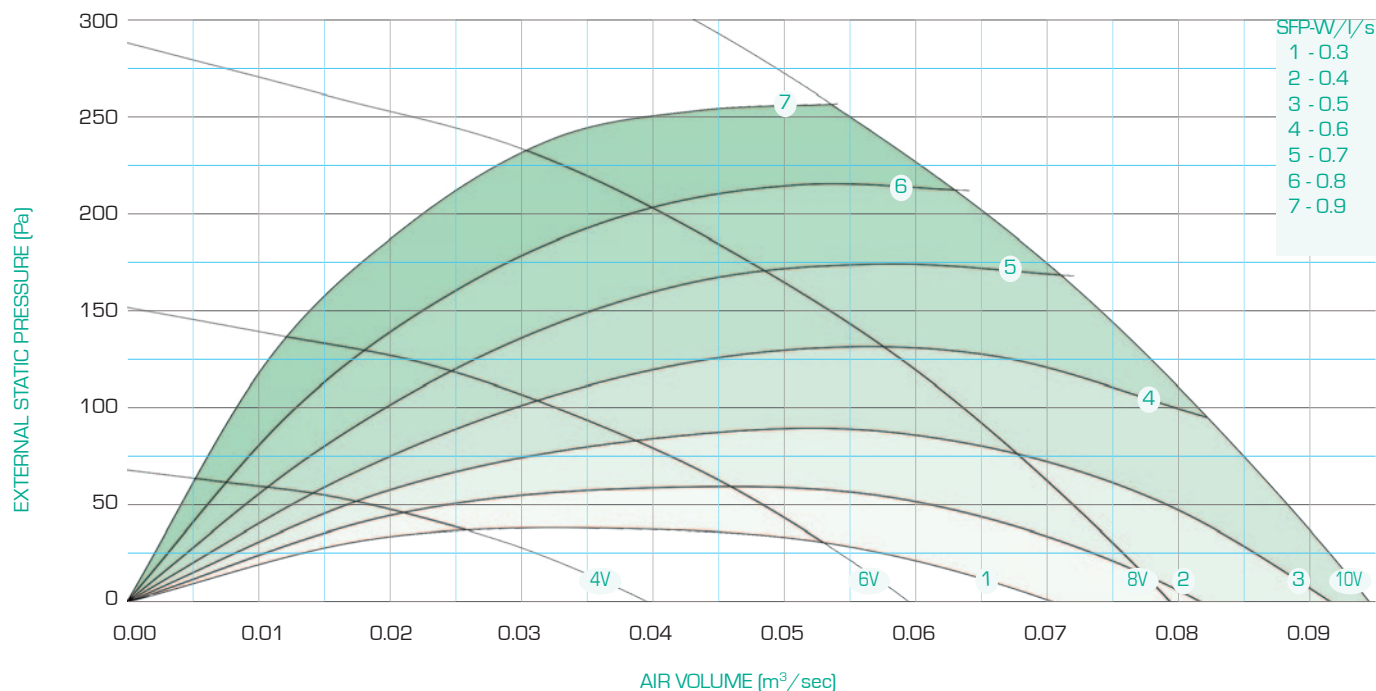
QST 560 EC @ mid-duty		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
10V 3.700 m³/s @ 200 Pa	Inlet in duct dB	81	80	85	84	80	77	82	82	91	88	58	54	49	44
	Outlet in duct dB	83	82	87	88	87	84	83	83	94	92				
8V 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 - Twin - RMTS-EC



TECHNICAL DATA - RMTS 150-EC - roof model

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
	EMT 150 EC	0.05	230V 1Ph	0.46	4320

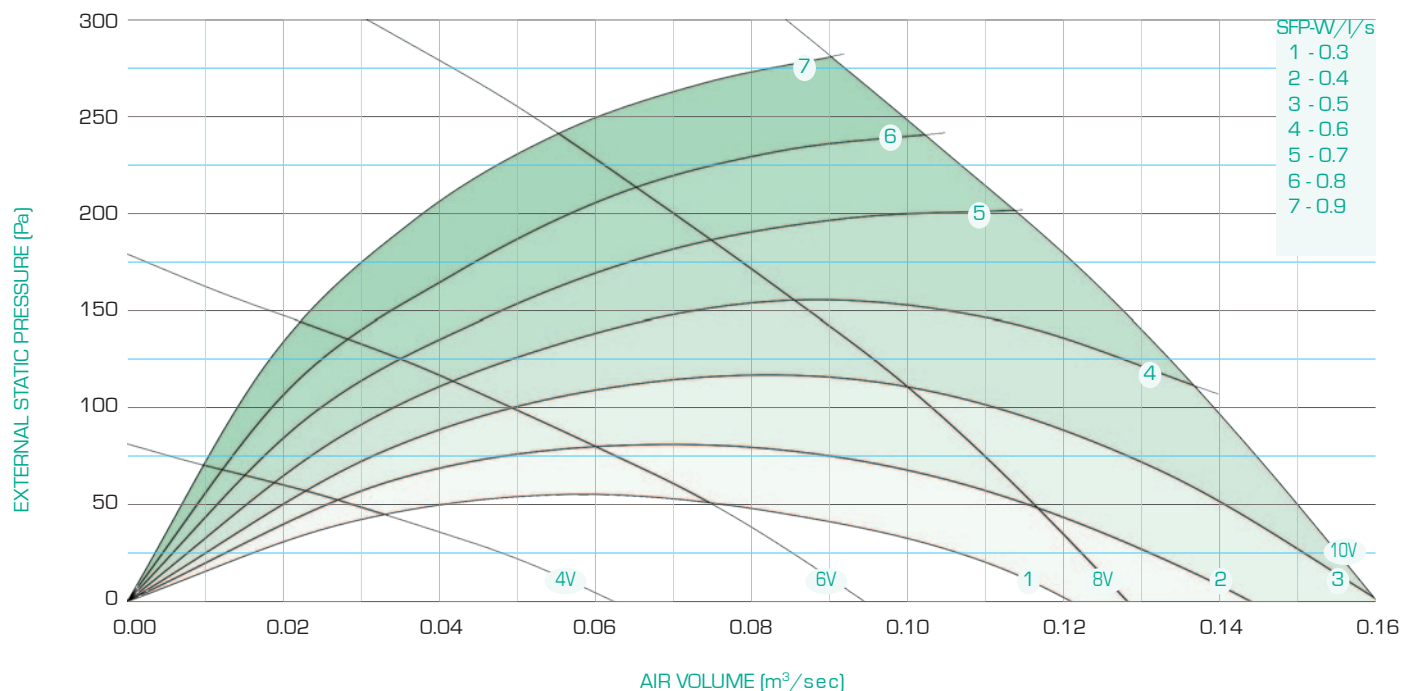
EMT 150 EC @ mid-duty		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
10V 0.065 m³/s @ 200 Pa	Inlet in duct dB	63	64	65	65	62	59	57	49	71	67	40	36	31	25
	Outlet in duct dB	68	69	70	70	67	64	62	54	76	72				
8V 0.053 m³/s @ 150 Pa	Inlet in duct dB	60	61	61	61	58	55	52	43	68	63	37	31	27	21
	Outlet in duct dB	65	66	66	66	63	60	57	48	73	68				
6V 0.032 m³/s @ 100 Pa	Inlet in duct dB	55	58	57	57	52	48	43	34	63	58	32	27	23	17
	Outlet in duct dB	60	63	62	62	57	53	48	39	68	63				
4V 0.018 m³/s @ 50 Pa	Inlet in duct dB	48	51	49	49	43	39	32	21	56	49	25	19	15	9
	Outlet in duct dB	53	56	54	54	48	44	37	26	61	54				

Acoustic Cabinet Fans - Twin - RMTS-EC



TECHNICAL DATA - RMTS 200-EC - roof model

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
	EMT 200 EC	0.083	230V 1Ph	0.75	3200

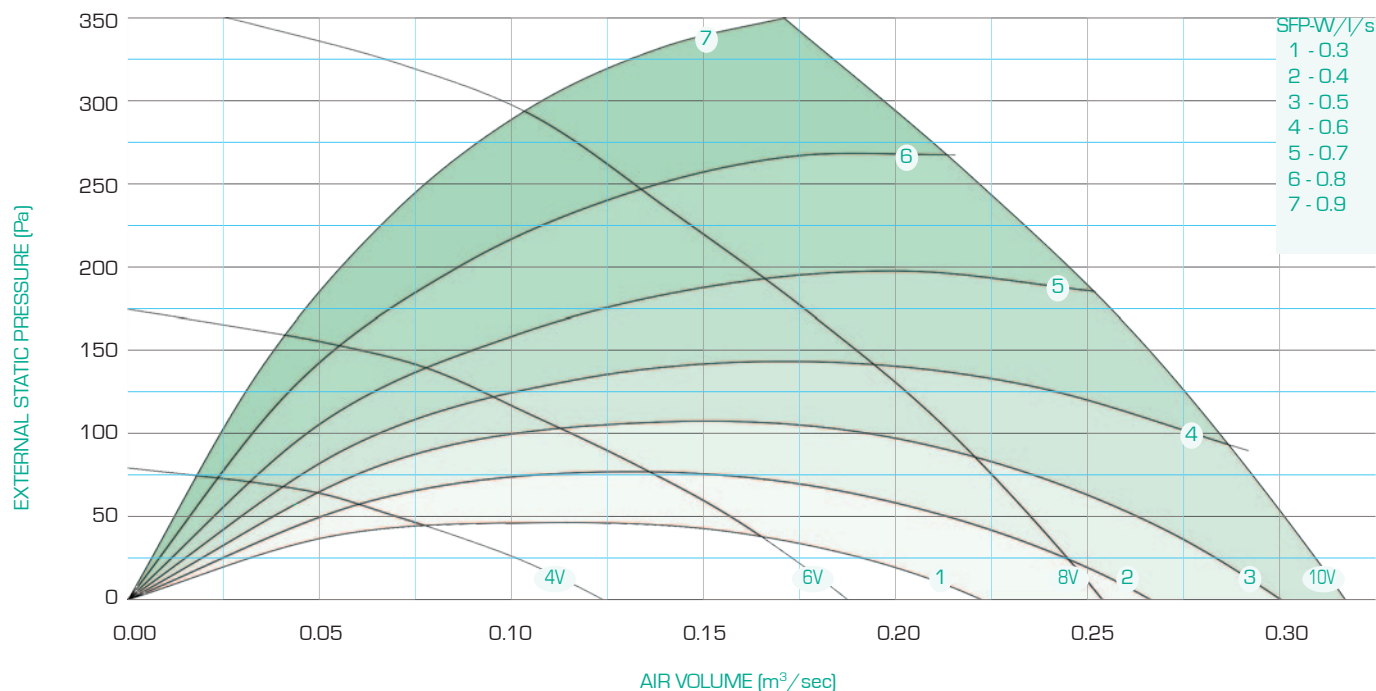
EMT 200 EC @ mid-duty		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
10V 0.115 m³/s @ 200 Pa	Inlet in duct dB	62	64	62	66	59	60	55	50	71	67	40	37	31	27
	Outlet in duct dB	67	68	67	72	64	66	62	56	76	73				
8V 0.087 m³/s @ 150 Pa	Inlet in duct dB	57	59	57	61	54	55	49	42	66	62	35	31	25	21
	Outlet in duct dB	62	64	62	66	59	60	54	47	71	67				
6V 0.049 m³/s @ 100 Pa	Inlet in duct dB	50	51	53	58	49	49	41	34	61	57	31	28	20	18
	Outlet in duct dB	55	56	58	63	54	54	46	39	66	62				
4V 0.026 m³/s @ 50 Pa	Inlet in duct dB	43	44	47	49	42	41	32	21	53	49	23	19	13	9
	Outlet in duct dB	48	49	52	54	47	46	37	26	58	54				

Acoustic Cabinet Fans - Twin - RMTS-EC



TECHNICAL DATA - RMTS 250-EC - roof model

FAN SPEED



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

ELECTRICAL DATA

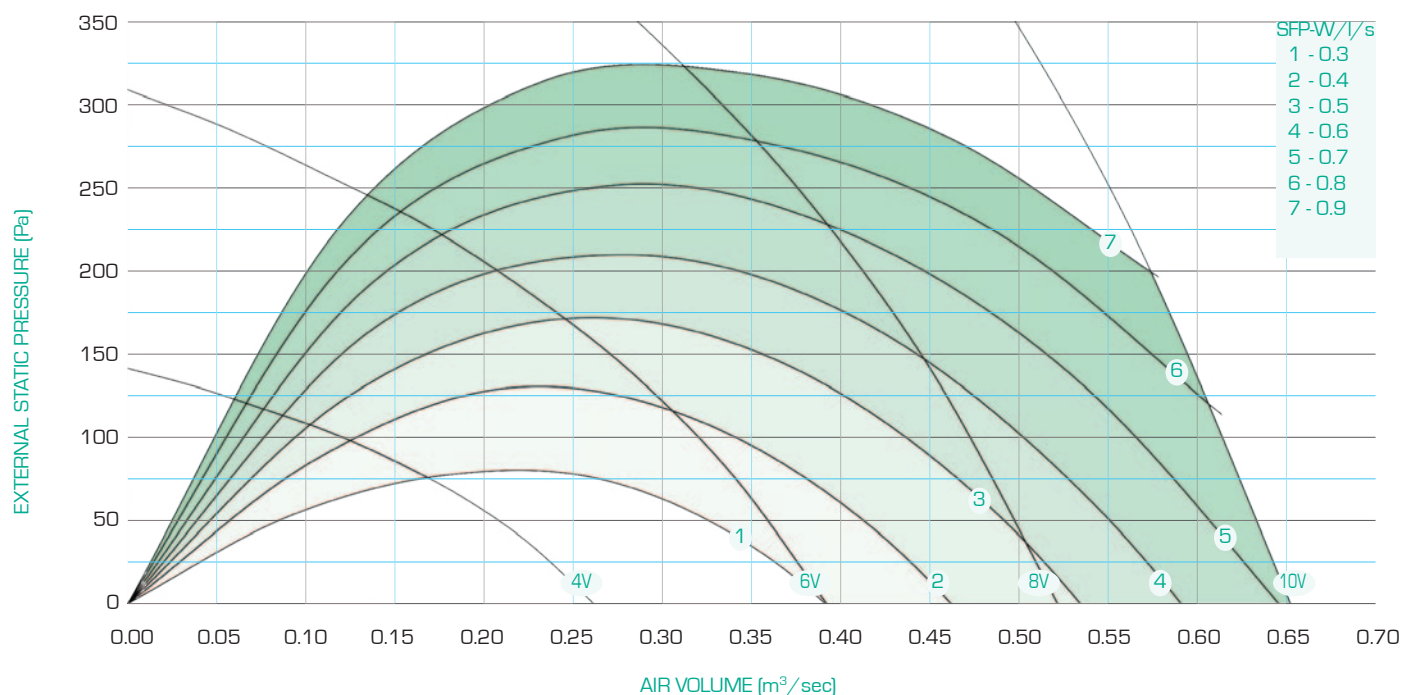
	MODEL	INPUT kW	SUPPLY	FLC amps	RPM
	EMT 250 EC	0.17	230V 1Ph	1.4	2510

EMT 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 0.260 m³/s @ 200 Pa	Inlet in duct dB	58	61	63	62	62	60	57	50	69	67	38	33	29	23
	Outlet in duct dB	63	66	68	67	67	65	62	55	74	72				
8V 0.205 m³/s @ 150 Pa	Inlet in duct dB	54	57	58	57	56	54	50	43	64	61	33	28	24	18
	Outlet in duct dB	59	62	63	62	61	59	55	48	69	66				
6V 0.125 m³/s @ 100 Pa	Inlet in duct dB	50	53	54	54	51	47	42	33	60	56	29	24	20	14
	Outlet in duct dB	55	58	59	59	56	52	47	38	65	61				
4V 0.075 m³/s @ 50 Pa	Inlet in duct dB	44	46	47	46	43	38	32	20	53	48	22	16	12	6
	Outlet in duct dB	49	51	52	51	48	43	37	25	58	53				

Acoustic Cabinet Fans - Twin - RMTS-EC



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
	EMT 315 EC	0.5	230V 1Ph	2.2	2360

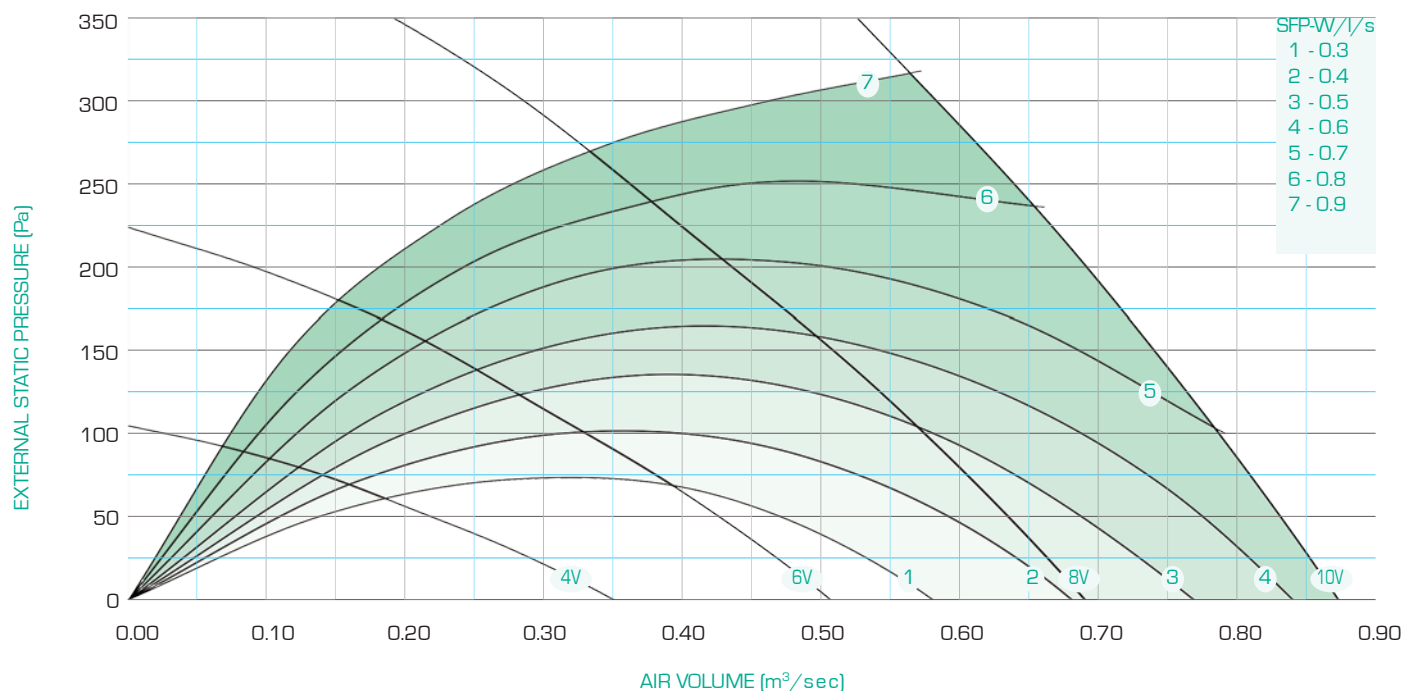
EMT 315 EC @ mid-duty		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
10V 0.565 m³/s @ 200 Pa	Inlet in duct dB	72	74	72	69	65	64	59	55	79	72	47	43	37	33
	Outlet in duct dB	77	79	77	74	70	69	64	60	84	77				
8V 0.440 m³/s @ 150 Pa	Inlet in duct dB	68	70	68	64	60	59	53	48	74	67	42	39	33	28
	Outlet in duct dB	73	75	73	69	65	64	58	53	79	72				
6V 0.315 m³/s @ 100 Pa	Inlet in duct dB	63	65	62	58	54	52	45	39	69	60	37	32	27	22
	Outlet in duct dB	68	70	67	63	59	57	50	44	74	65				
4V 0.205 m³/s @ 50 Pa	Inlet in duct dB	57	57	53	49	45	42	35	26	61	51	28	23	19	12
	Outlet in duct dB	62	62	58	54	50	47	40	31	66	56				

Acoustic Cabinet Fans - Twin - RMTS-EC



TECHNICAL DATA - RMTS 350-EC - roof model

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
	EMT 350 EC	0.5	230V 1Ph	2.2	1850

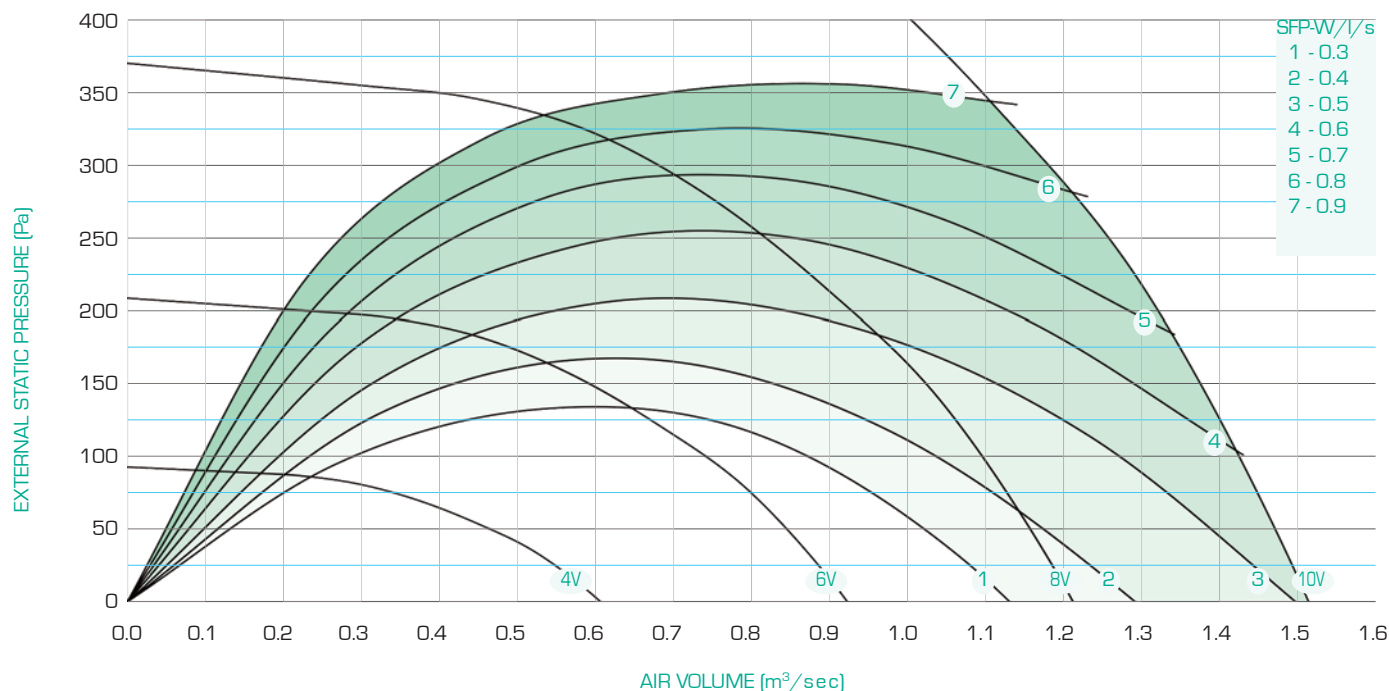
EMT 350 EC @ mid-duty		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
10V 0.690 m³/s @ 200 Pa	Inlet in duct dB	65	75	69	68	62	60	57	50	77	69	46	41	36	30
	Outlet in duct dB	70	80	74	73	67	65	62	55	82	74				
8V 0.510 m³/s @ 150 Pa	Inlet in duct dB	62	71	65	63	57	55	51	43	73	64	41	37	32	26
	Outlet in duct dB	67	76	70	68	62	60	56	48	78	69				
6V 0.330 m³/s @ 100 Pa	Inlet in duct dB	60	68	60	58	52	49	43	34	70	59	37	33	28	22
	Outlet in duct dB	65	73	65	63	57	54	48	39	75	64				
4V 0.215 m³/s @ 50 Pa	Inlet in duct dB	53	60	51	48	43	39	32	20	62	50	29	24	19	13
	Outlet in duct dB	58	65	56	53	48	44	37	25	67	55				

Acoustic Cabinet Fans - Twin - RMTS-EC



TECHNICAL DATA - RMTS 450-EC - roof model

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
	EMT 450 EC	0.95	400V 3Ph	1.5	1550

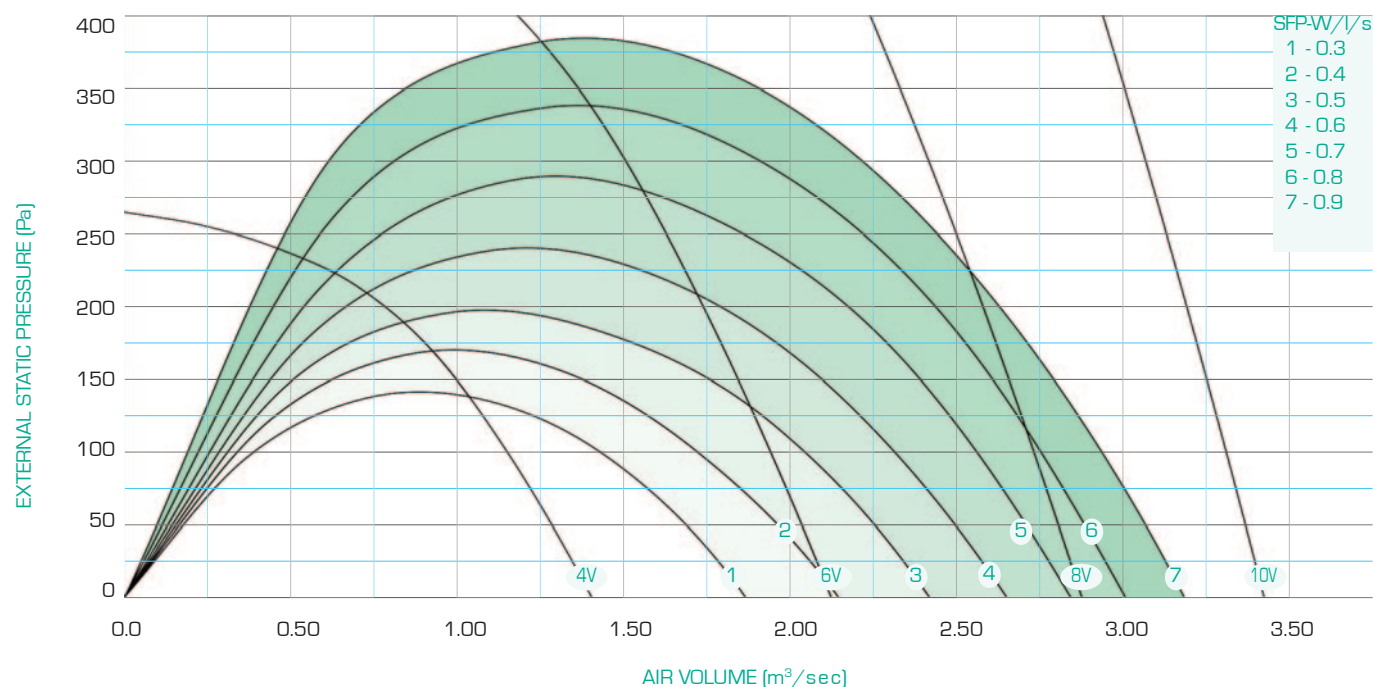
EMT 450 EC @ mid-duty		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
10V 1.320 m³/s @ 200 Pa	Inlet in duct dB	66	71	71	70	66	68	61	54	77	73	45	41	36	31
	Outlet in duct dB	67	73	72	74	76	74	68	59	81	80				
8V 1.030 m³/s @ 150 Pa	Inlet in duct dB	62	67	65	65	61	63	56	47	72	68	40	36	31	26
	Outlet in duct dB	63	69	67	69	71	69	62	52	77	75				
6V 0.740 m³/s @ 100 Pa	Inlet in duct dB	56	62	59	58	55	56	48	37	66	61	34	29	24	19
	Outlet in duct dB	58	64	60	62	64	62	54	43	70	68				
4V 0.460 m³/s @ 50 Pa	Inlet in duct dB	50	54	50	49	45	45	36	23	58	51	25	20	15	10
	Outlet in duct dB	51	56	52	53	55	52	42	28	61	58				

Acoustic Cabinet Fans - Twin - RMTS-EC



TECHNICAL DATA - RMTS 560-EC - roof model

FAN SPEED



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

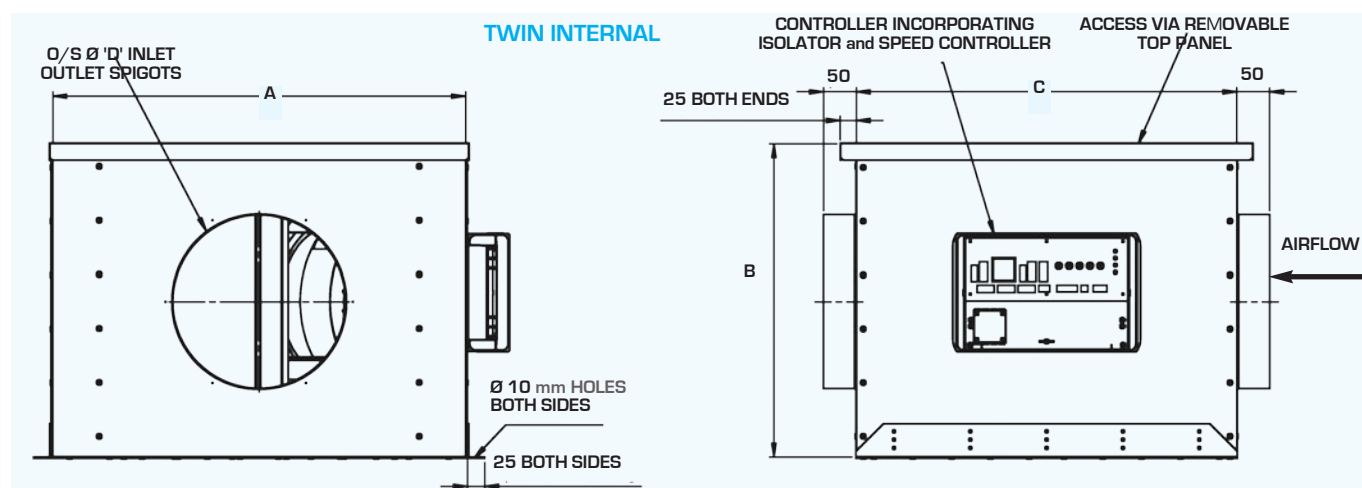
ELECTRICAL DATA	MODEL	INPUT kW	SUPPLY	FLC amps	RPM
	EMT 560 EC	4.15	400V 3Ph	6.3	2480

EMT 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 3.200 m³/s @ 200 Pa	Inlet in duct dB	68	72	79	77	75	74	79	77	85	84	53	47	43	38
	Outlet in duct dB	75	75	81	82	82	81	80	79	89	88				
8V 2.700 m³/s @ 150 Pa	Inlet in duct dB	64	74	74	71	70	70	75	69	81	79	48	43	38	33
	Outlet in duct dB	69	76	75	76	78	76	77	71	85	83				
6V 1.950 m³/s @ 100 Pa	Inlet in duct dB	62	66	65	64	63	66	66	56	73	71	40	35	31	25
	Outlet in duct dB	64	68	67	69	70	72	68	57	77	76				
4V 1.300 m³/s @ 50 Pa	Inlet in duct dB	60	57	56	55	54	60	50	44	66	63	31	26	22	16
	Outlet in duct dB	63	57	58	60	61	64	52	44	69	67				

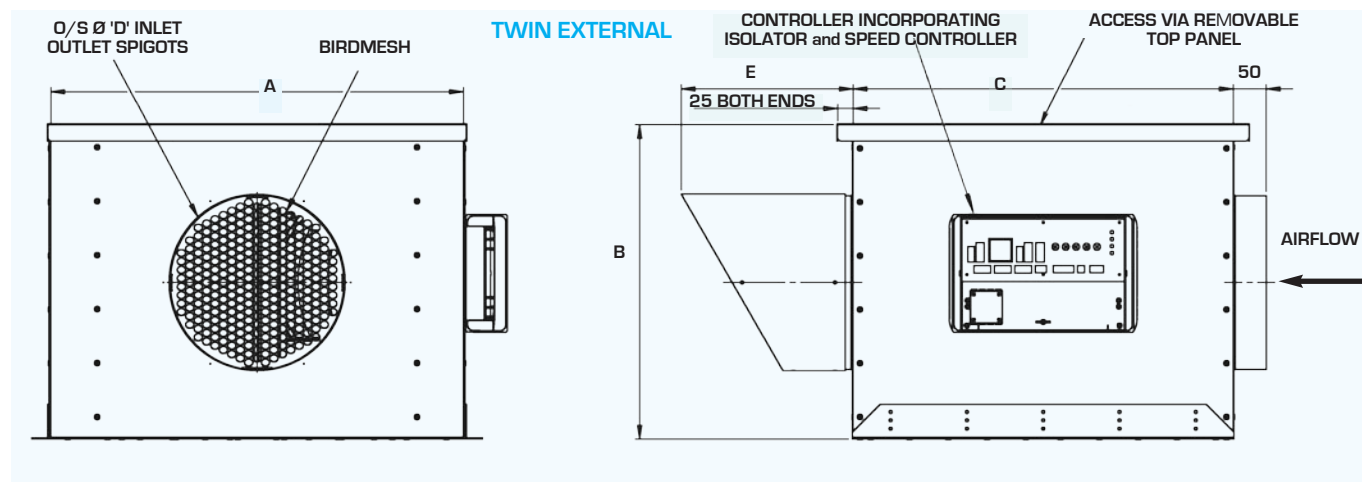
Acoustic Cabinet Fans - Twin - DMTSQ-EC, RMTS-EC Plant and Roof



UNIT DIMENSIONS



TWIN INTERNAL AND EXTERNAL							
Model	A	B	C	D	E	kg internal	kg external
150-EC	450	250	400	150	180	20	21
200-EC	450	350	450	200	210	27	28
250-EC	600	450	550	250	240	40	42
315-EC	850	450	800	310	275	62	64
350-EC	950	550	900	350	295	80	83
450-EC	1200	650	1200	450	350	131	134
560-EC	1500	750	1500	560	415	217	222

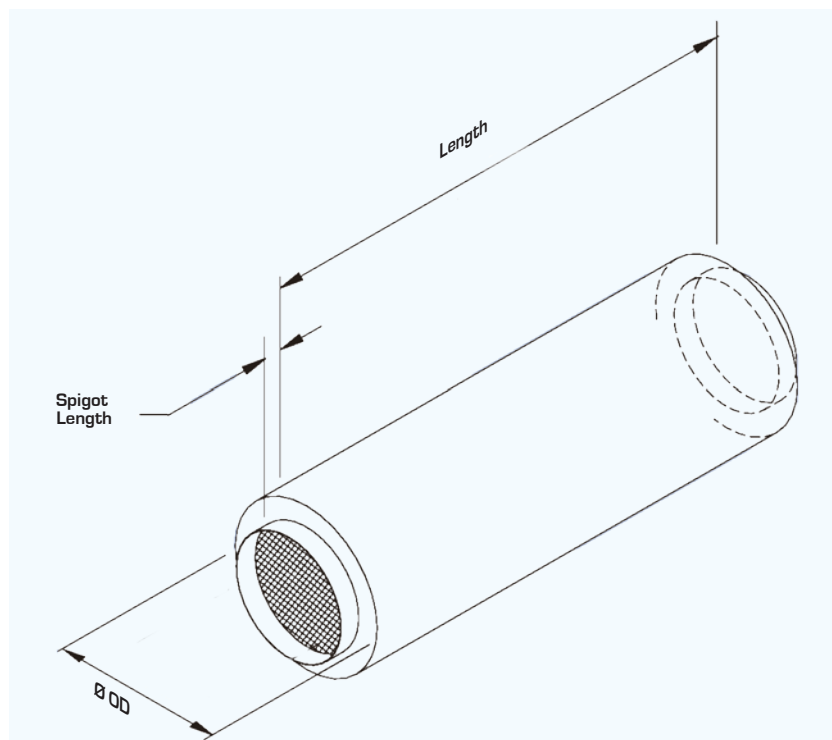


Acoustic Cabinet Fans - Twin - DMTSQ-EC, RMTS-EC Plant and Roof



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



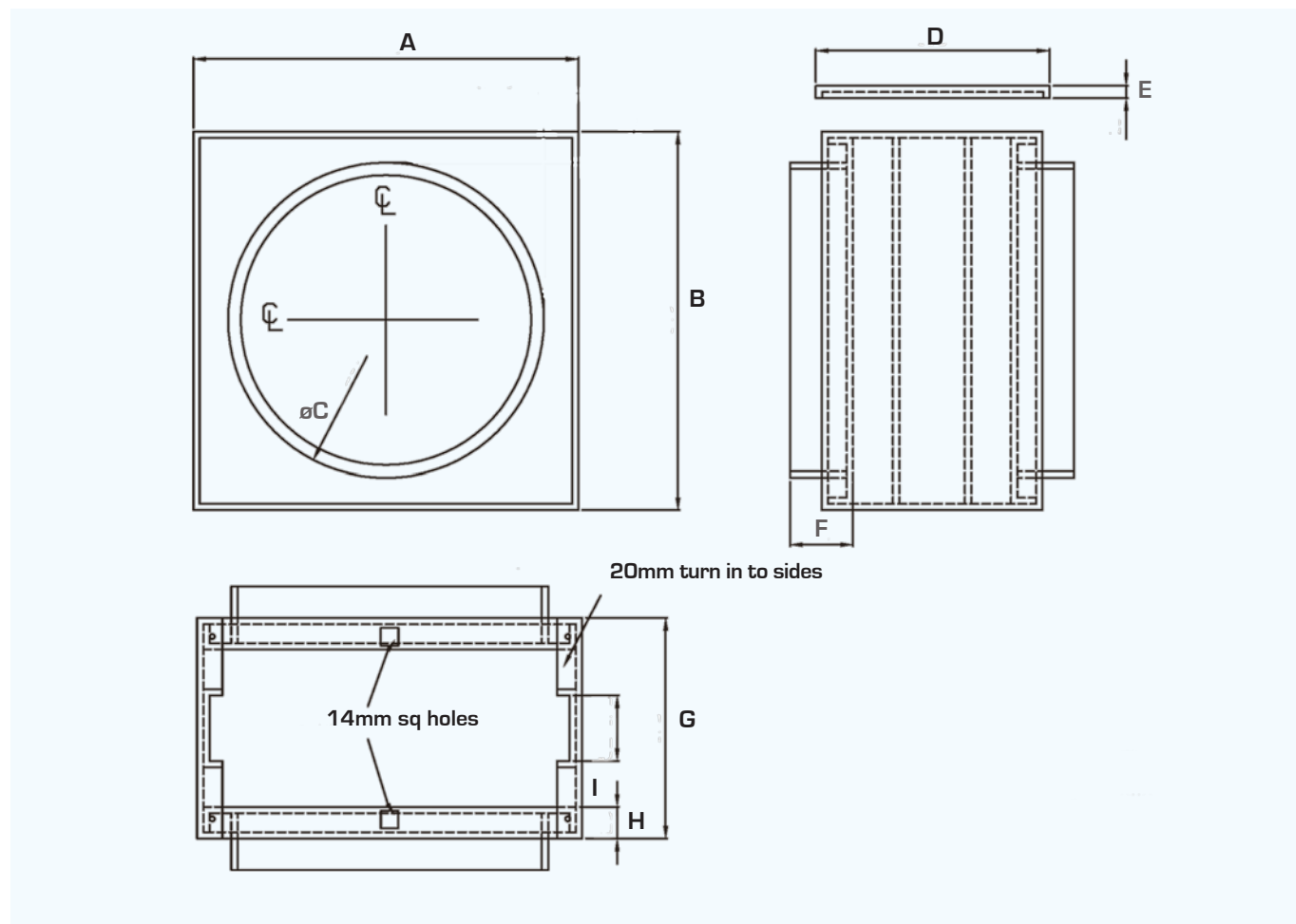
Model	Length	Spigot Length	External Diameter
SIL150	600	38	255
SIL200	600	38	305
SIL250	600	38	360
SIL315	600	38	405
SIL350	600	38	455
SIL450	600	38	565
SIL560	600	38	605
SIL150/90	900	38	255
SIL200/90	900	38	305
SIL250/90	900	38	360
SIL315/90	900	38	405
SIL350/90	900	38	455
SIL450/90	900	38	565
SIL560/90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

Dimensions in mm

Acoustic Cabinet Fans - Twin - DMTSQ-EC, RMTS-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

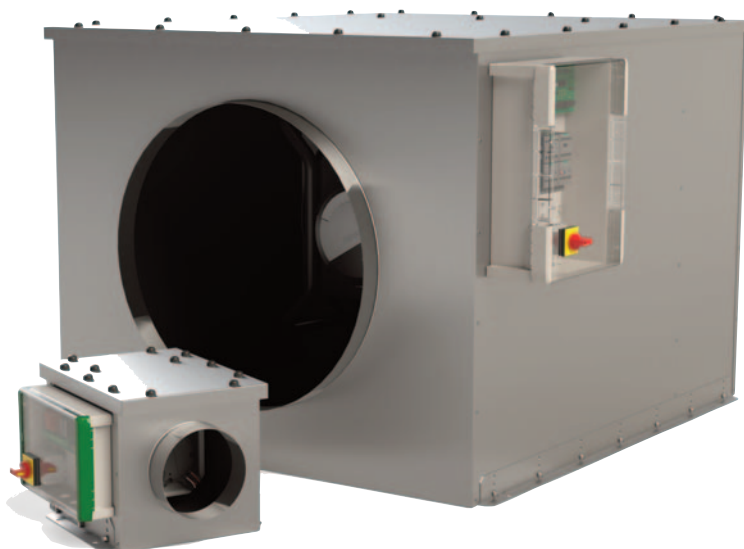
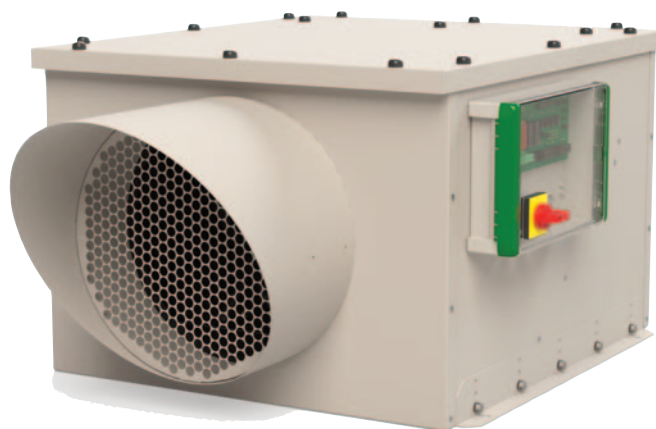
Dimensions in mm

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



SINGLE FAN MODELS

- Single Fan models are available to complement the Twin Fan range.
- Single Fan Models up to 3.9 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 controls designed to work with BMS systems as below
 - Fault Out
 - VFC Enable
 - VFC Boost
 - Remote speed control
- Available with no controls at special request.



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)

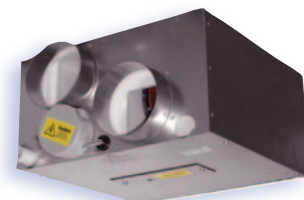
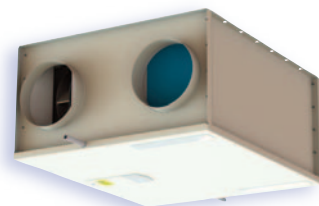
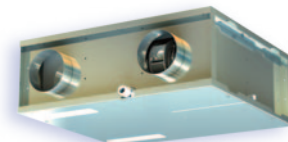
- For in-line installation in homes and offices
- Summer bypass and frost-stat
- Up to 88% heat exchange efficiency - sfp from 0.67 W/l/s
- Up to 107 l/s at 50Pa - max 116 l/s capacity
- Models with integral humidistat
- Commissioned via remote LCD commissioning unit

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)

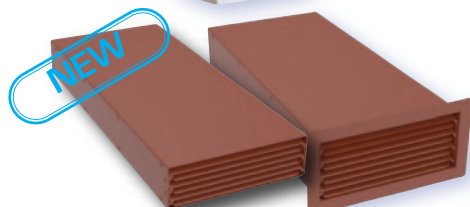
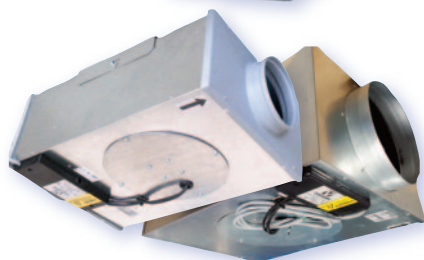
- For in-line installation in multi-occupancy establishments
- With and without summer bypass and frost-stat
- Up to 83% heat exchange efficiency - sfp from 1.11 W/l/s
- Up to 30 l/s at 50Pa - max 34 l/s capacity
- Commissioned via remote LCD commissioning unit



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

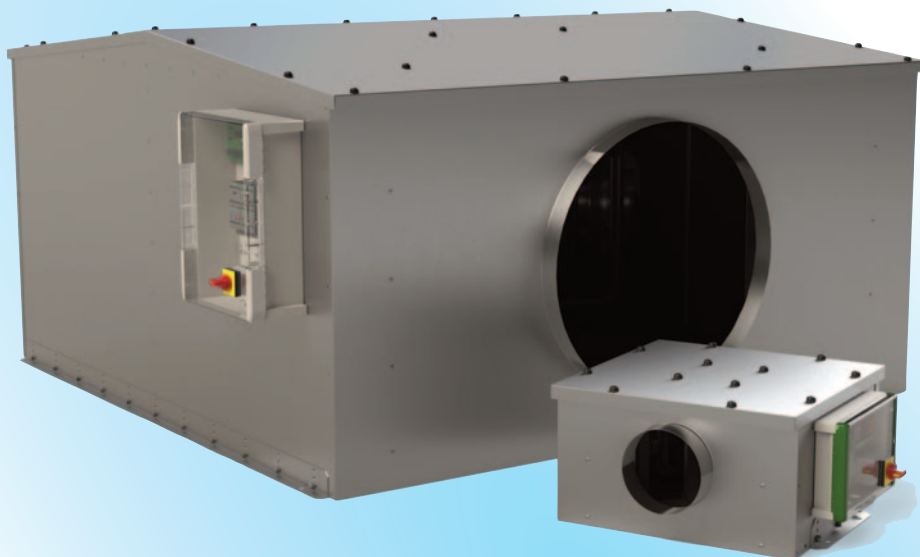
- **Single room heat recovery unit**
- EC motors for high efficiency low energy usage
- Recovers up to 75% of heat from extracted, polluted air
- 3 speed for any domestic wet room
- Continuous running - choice of trickle and boost speeds
- Heat exchange tube available in 3 lengths
- **With summer bypass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

Twin Fan Models



Twin Fan Models - up to 3.8 m³/sec - EC Motors - Low SFPs

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