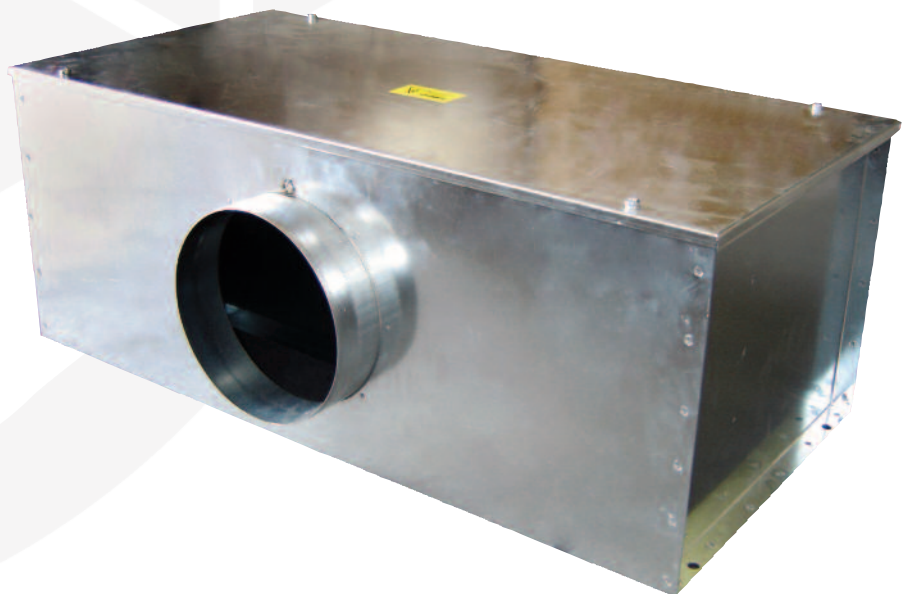




Acoustic Cabinet Fans

Single & Twin - AC Motors

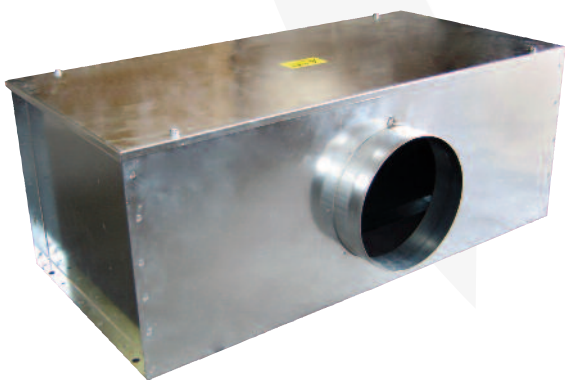
Plant and
Roof Models



Features and benefits

Acoustic Cabinet Fans

- Single and Twin
- Plant and Roof
- with AC motors
- QSS/QST denotes internally mounted fan
- EM/EMT denotes externally mounted fan



Acoustic lining to reduce noise breakout

25mm thick high density, non-toxic and Class "O" flame retardant acoustic lining

Extremely low noise levels

Controls

All units are pre-wired to single, external terminal box for simple and quick installation.

Accessories

Electronic and transformer speed controllers

Auto changeover controllers with variable duty share available for twin fans.

Plant Models - Single and Twin

6 sizes from 125 to 500 mm

Galvanised steel cabinet

Auto-reset, thermal cut-out protection

Integral mounting points for easy installation

Can be mounted vertically or horizontally with top or bottom access

Motor/impeller assembly mounted on removable plate for easy maintenance and cleaning

Max air temperature - 40°C

Twin fans with back-draught shutters

Features and benefits

Acoustic Cabinet Fans

- Single and Twin
- Plant and Roof
- with AC motors
- QSS/QST denotes internally mounted fan
- EM/EMT denotes externally mounted fan



Roof Models - Single and Twin

6 sizes from 125 to 500 mm

Single skinned plastisol coated steel cabinet

Auto-reset, thermal cut-out protection

Fully weatherproofed

Birdmesh on cowl outlet

Air inlet through rear or bottom panel

Max air temperature - 40°C

Twin fans with back-draught shutters

Accessories

Electronic and transformer speed controllers

Auto changeover controllers with variable duty share available for twin fans.

INTERNAL ACOUSTIC CABINET SINGLE FANS - QSS

TECHNICAL DATA - QSS - internally mounted

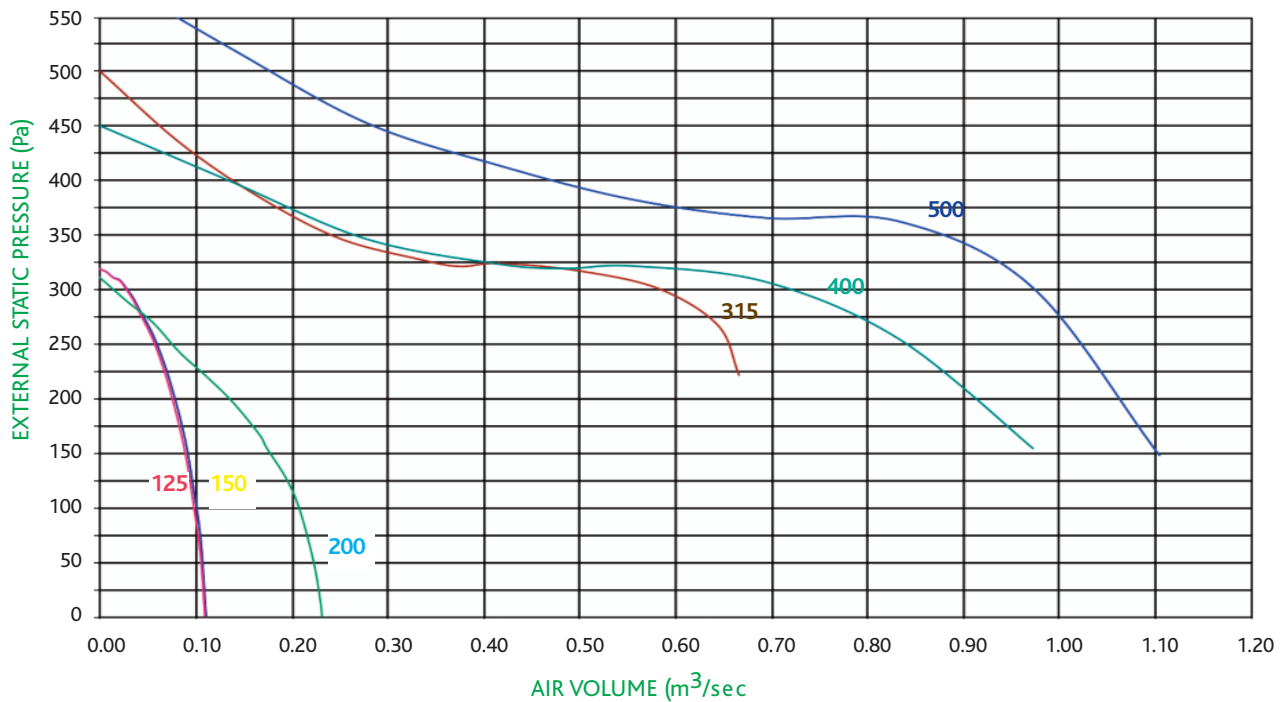
Model	Size		Power Kw	FLC amps	SC amps	Speed rpm	Speed Controller		Sound Level dBA at 3m	Sound Power Levels dB							
										Mid Octave Bands (Hz)							
	ins	cm					63	125		250	500	1000	2000	4000	8000		
QSS125	5	12	0.135	0.63	1.6	2000	QE1.5	QA1.4	28	66	64	62	59	56	54	55	52
QSS150	6	15	0.135	0.63	1.6	2000	QE1.5	QA1.4	28	66	64	62	59	56	54	55	52
QSS200	8	20	0.19	0.85	2.2	1250	QE1.5	QA1.4	32	72	67	68	66	69	63	61	59
QSS315	12	31	0.37	3.85	12	1400	QE6	QA5	40	73	75	76	76	76	73	69	61
QSS400	16	40	0.55	5.1	12.8	1400	QE6	QA7	42	77	77	78	76	78	75	73	66
QSS500	20	50	0.59	6.8	17.0	880	QE8	QA7	42	77	77	78	76	78	75	73	66

PERFORMANCE - QSS - internally mounted

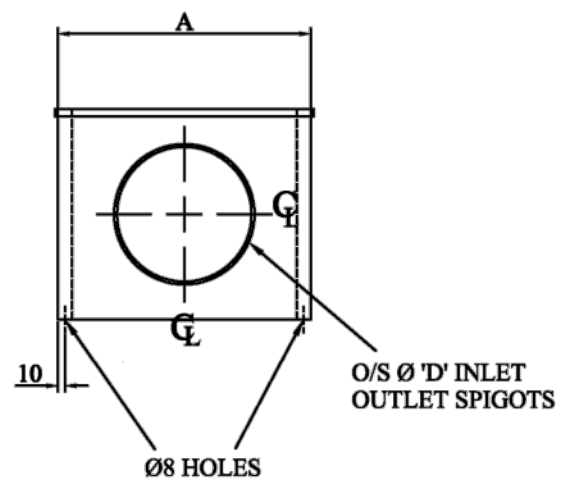
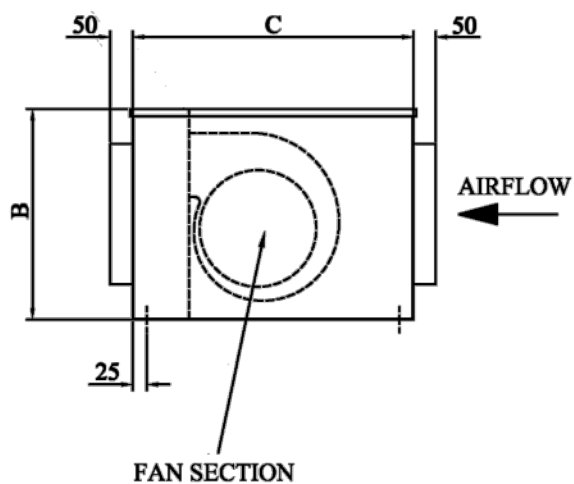
Model	Max m ³ /hr	Max m ³ /sec	m ³ /sec at Pa												
			0	25	50	75	100	150	200	250	300	350	400	450	500
QSS125	392	0.109	0.109	0.107	0.106	0.103	0.100	0.090	0.077	0.059	0.028	-	-	-	-
SFP			1.04	1.04	1.04	1.06	1.08	1.17	1.33	1.69	3.43	-	-	-	-
QSS150	389	0.108	0.108	0.106	0.104	0.101	0.097	0.088	0.075	0.057	0.028	-	-	-	-
SFP			1.04	1.04	1.05	1.08	1.11	1.19	1.36	1.72	3.43	-	-	-	-
QSS200	832	0.231	0.231	0.228	0.222	0.215	0.207	0.177	0.135	0.075	0.015	-	-	-	-
SFP			0.81	0.81	0.82	0.85	0.87	0.97	1.19	1.95	9.54	-	-	-	-
QSS315	2398	0.666	-	-	-	-	-	-	-	0.655	0.583	0.241	0.138	0.061	-
SFP			-	-	-	-	-	-	-	1.24	1.28	2.51	4.45	10.30	-
QSS400	3499	0.972	-	-	-	-	-	-	0.911	0.839	0.718	0.262	0.133	-	-
SFP			-	-	-	-	-	-	1.23	1.18	1.22	2.60	4.90	-	-
QSS500	3974	1.104	-	-	-	-	-	1.102	1.062	1.023	0.974	0.879	0.472	0.285	0.178
SFP			-	-	-	-	-	1.46	1.38	1.34	1.31	1.29	1.77	2.74	4.69

INTERNAL ACOUSTIC CABINET SINGLE FANS - QSS

TECHNICAL DATA - QSS - CURVES & DIMENSIONS



ACCESS VIA REMOVABLE TOP PANEL



Model	A	B	C	D	Kg
QSS125	375	240	400	125	13
QSS150	375	240	400	150	13
QSS200	475	310	425	200	15
QSS315	575	500	550	315	40
QSS400	625	500	550	400	41
QSS500	750	545	600	500	51

INTERNAL ACOUSTIC CABINET TWIN FANS - QST

TECHNICAL DATA - QST - internally mounted

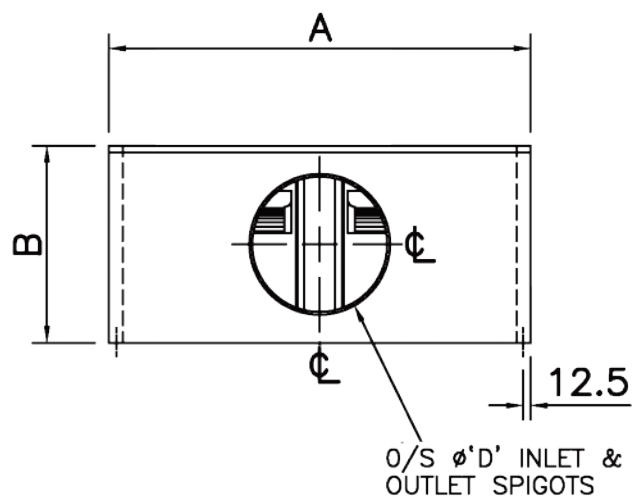
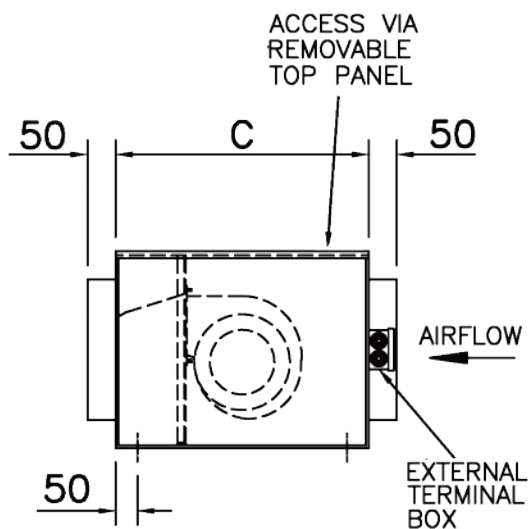
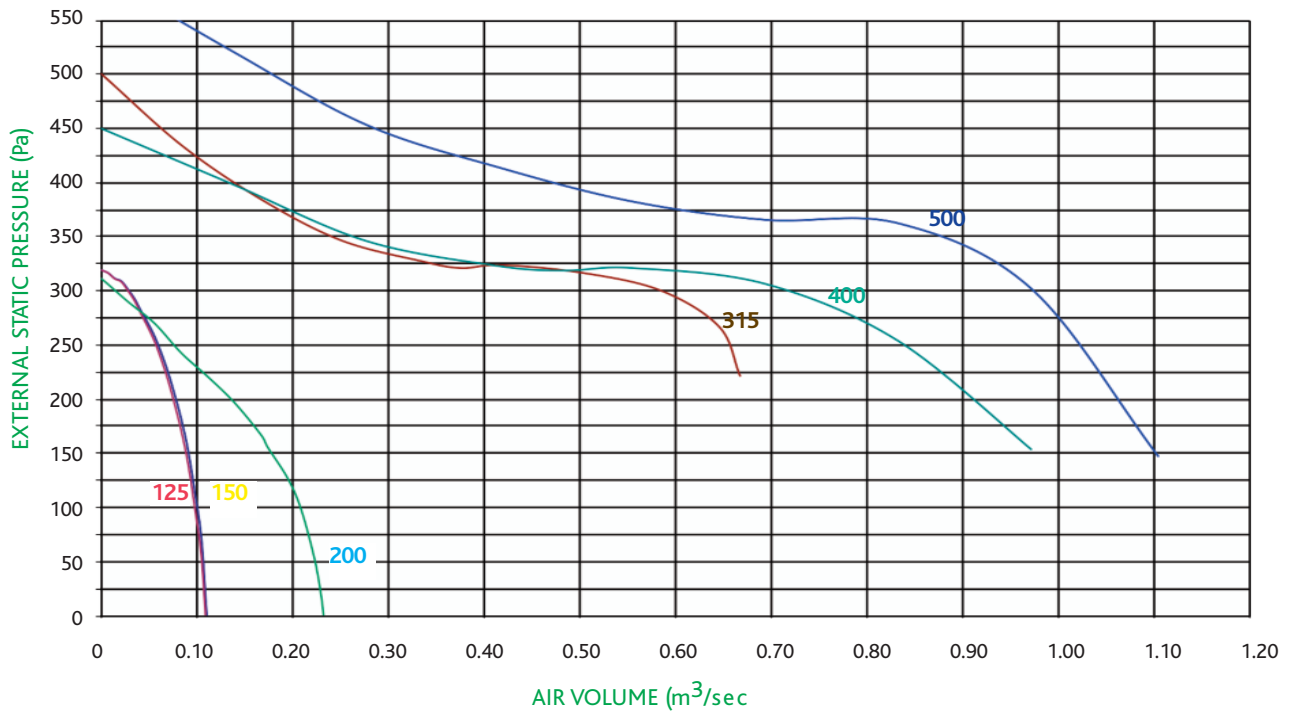
Model	Size		Power Kw	FLC amps	SC amps	Speed rpm	Controller			Sound Level dBA at 3m	Sound Power Levels dB							
							Change-over	Electronic	Transformer		Mid Octave Bands (Hz)							
	ins	cm									63	125	250	500	1000	2000	4000	8000
QST125	5	12	0.135	0.63	1.6	2000	DACOV8	QE1.5	QA1.4	28	66	64	62	59	56	54	55	52
QST150	6	15	0.135	0.63	1.6	2000	DACOV8	QE1.5	QA1.4	28	66	64	62	59	56	54	55	52
QST200	8	20	0.19	0.85	2.2	1250	DACOV8	QE1.5	QA1.4	32	72	67	68	66	69	63	61	59
QST315	12	31	0.37	3.85	12.0	1400	DACOV8	QE6	QA5	40	73	75	76	76	76	73	69	61
QST400	16	40	0.55	5.1	12.8	1400	DACOV8	QE6	QA7	42	77	77	78	76	78	75	73	66
QST500	20	50	0.55	6.8	17	1055	DACOV8	QE8	QA7	42	72	77	78	76	78	75	73	66

PERFORMANCE - QST - internally mounted

Model	Max m ³ /hr	Max m ³ /sec	m ³ /sec at Pa												
			0	25	50	75	100	150	200	250	300	350	400	450	500
QST125	392	0.109	0.109	0.107	0.106	0.103	0.100	0.090	0.077	0.059	0.028	-	-	-	-
SFP			1.04	1.04	1.04	1.06	1.08	1.17	1.33	1.69	3.50	-	-	-	-
QST150	389	0.108	0.108	0.106	0.104	0.101	0.097	0.088	0.075	0.057	0.028	-	-	-	-
SFP			1.04	1.04	1.05	1.08	1.11	1.19	1.36	1.72	3.50	-	-	-	-
QST200	832	0.231	0.231	0.228	0.222	0.215	0.207	0.177	0.135	0.075	0.015	-	-	-	-
SFP			0.81	0.81	0.82	0.85	0.87	0.97	1.19	1.95	9.54	-	-	-	-
QST315	2398	0.666	-	-	-	-	-	-	-	0.655	0.583	0.241	0.138	0.061	-
SFP			-	-	-	-	-	-	-	1.24	1.28	2.51	4.45	10.30	-
QST400	3499	0.972	-	-	-	-	-	-	0.911	0.839	0.718	0.262	0.133	-	-
SFP			-	-	-	-	-	-	1.23	1.18	1.22	2.60	4.90	-	-
QST500	3974	1.104	-	-	-	-	-	1.102	1.062	1.023	0.974	0.879	0.472	0.285	0.178
SFP			-	-	-	-	-	1.46	1.38	1.34	1.31	1.29	1.77	2.74	4.69

INTERNAL ACOUSTIC CABINET TWIN FANS - QST

TECHNICAL DATA - QST - CURVES & DIMENSIONS



Model	A	B	C	D	Kg
QST125	550	310	400	125	20
QST150	550	310	400	150	20
QST200	800	310	400	200	22
QST315	1050	475	650	315	70
QST400	1050	475	650	400	72
QST500	1250	525	750	500	85

EXTERNAL ACOUSTIC CABINET SINGLE FANS - EM

TECHNICAL DATA - EM - externally mounted

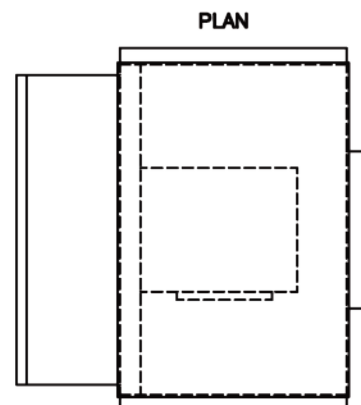
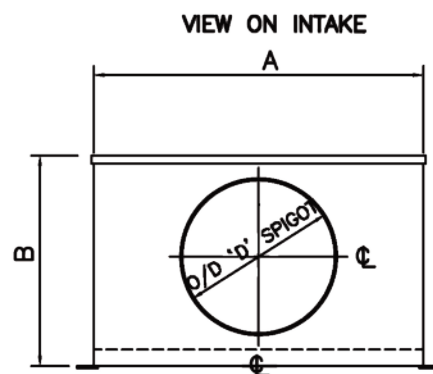
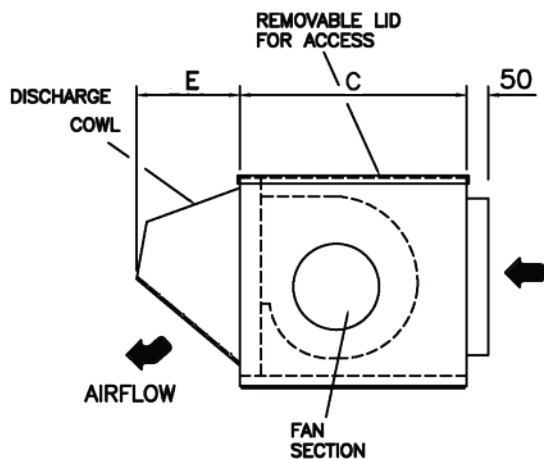
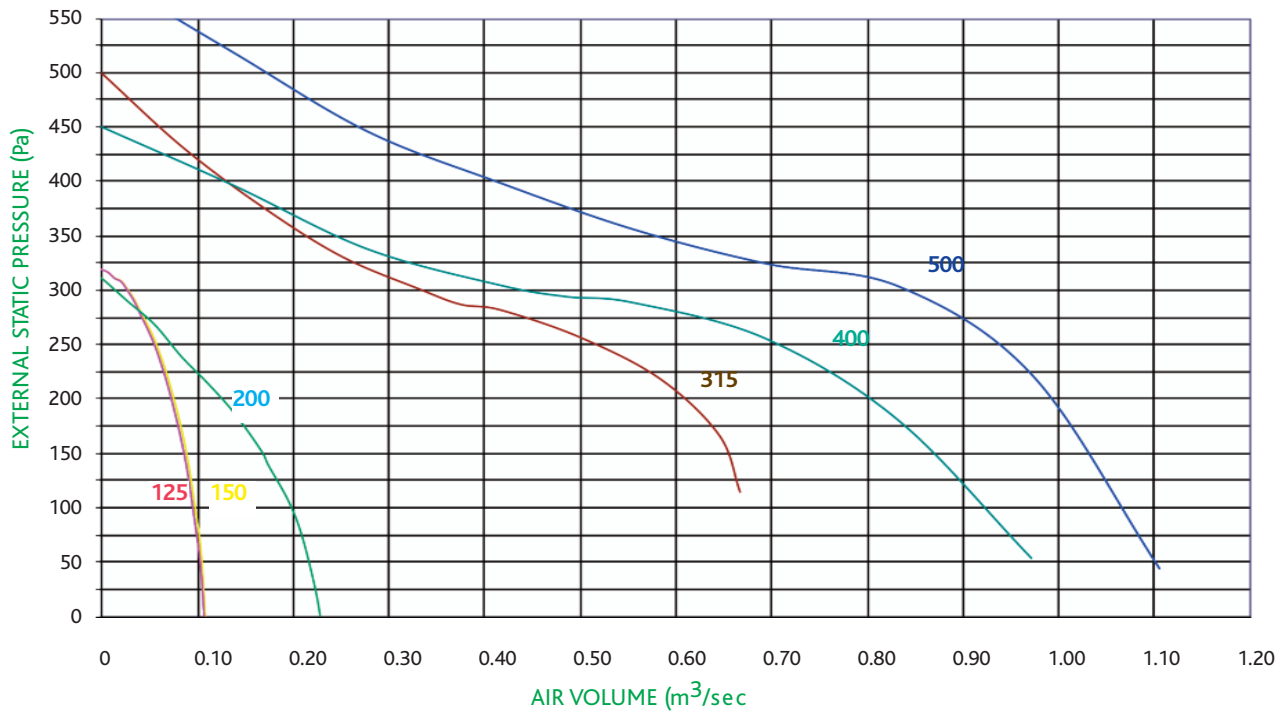
Model	Size		Power Kw	FLC amps	SC amps	Speed rpm	Speed Controller		Sound Power Levels dB							
									Mid Octave Bands (Hz)							
	ins	cm					Electronic	Transformer	63	125	250	500	1000	2000	4000	8000
EM125	5	12	0.135	0.63	1.6	2000	QE1.5	QA1.4	66	69	62	59	56	54	55	52
EM150	6	15	0.135	0.63	1.6	2000	QE1.5	QA1.4	66	69	62	59	56	54	55	52
EM200	8	20	0.19	0.85	2.2	1250	QE1.5	QA1.4	72	67	68	66	69	63	61	59
EM315	12	31	0.37	3.85	12.0	1400	QE6	QA5	73	75	76	76	76	73	69	61
EM400	16	40	0.55	5.1	12.8	1400	QE6	QA7	77	77	78	76	78	75	73	66
EM500	20	50	0.55	6.8	17	1055	QE8	QA7	77	77	78	76	78	75	73	66

PERFORMANCE - EM - externally mounted

Model	Max m ³ /hr	Max m ³ /sec	m ³ /sec at Pa												
			0	25	50	75	100	150	200	250	300	350	400	450	500
EM125	389	0.108	0.108	0.107	0.105	0.102	0.098	0.089	0.076	0.057	0.028	-	-	-	-
SFP			1.04	1.04	1.04	1.07	1.10	1.19	1.35	1.74	3.45	-	-	-	-
EM150	385	0.107	0.107	0.105	0.103	0.099	0.095	0.086	0.073	0.055	0.022	-	-	-	-
SFP			1.04	1.04	1.05	1.08	1.11	1.19	1.36	1.72	3.50	-	-	-	-
EM200	817	0.227	0.227	0.220	0.215	0.206	0.197	0.167	0.125	0.072	0.014	-	-	-	-
SFP			0.81	0.82	0.85	0.87	0.90	1.02	1.27	1.98	9.55	-	-	-	-
EM315	2398	0.666	-	-	-	-	-	0.654	0.609	0.517	0.334	0.212	0.130	0.060	-
SFP			-	-	-	-	-	1.24	1.26	1.37	1.90	2.91	4.69	10.37	-
EM400	3499	0.972	-	-	-	0.949	0.923	0.870	0.803	0.708	0.439	0.242	0.128	-	-
SFP			-	-	-	1.27	1.24	1.19	1.18	1.23	1.64	2.89	5.05	-	-
EM500	3974	1.104	-	-	1.100	1.082	1.065	1.030	0.992	0.938	0.842	0.579	0.412	0.269	0.173
SFP			-	-	1.45	1.41	1.37	1.35	1.32	1.30	1.29	1.54	1.99	2.94	4.79

EXTERNAL ACOUSTIC CABINET SINGLE FANS - EM

TECHNICAL DATA - EM - CURVES & DIMENSIONS



Model	A	B	C	D	E	Kg
EM125	325	275	300	125	150	20
EM150	325	275	300	150	150	20
EM200	425	375	425	200	150	28
EM315	575	450	500	315	250	35
EM400	800	475	550	400	250	37
EM500	875	580	650	500	250	49

EXTERNAL ACOUSTIC CABINET TWIN FANS - EMT

TECHNICAL DATA - EMT - externally mounted

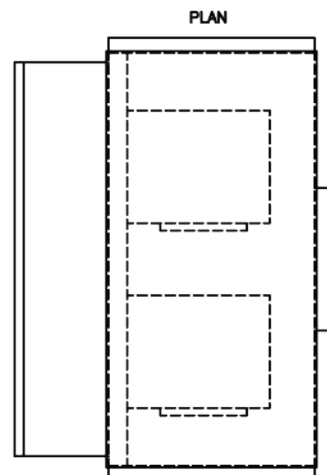
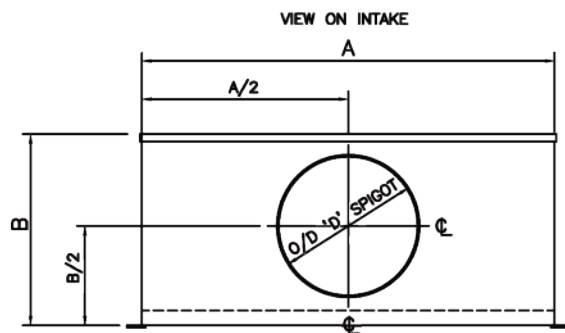
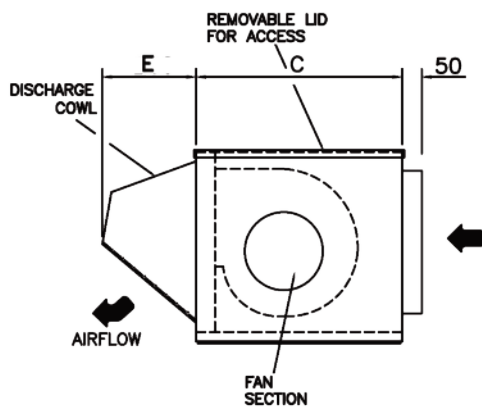
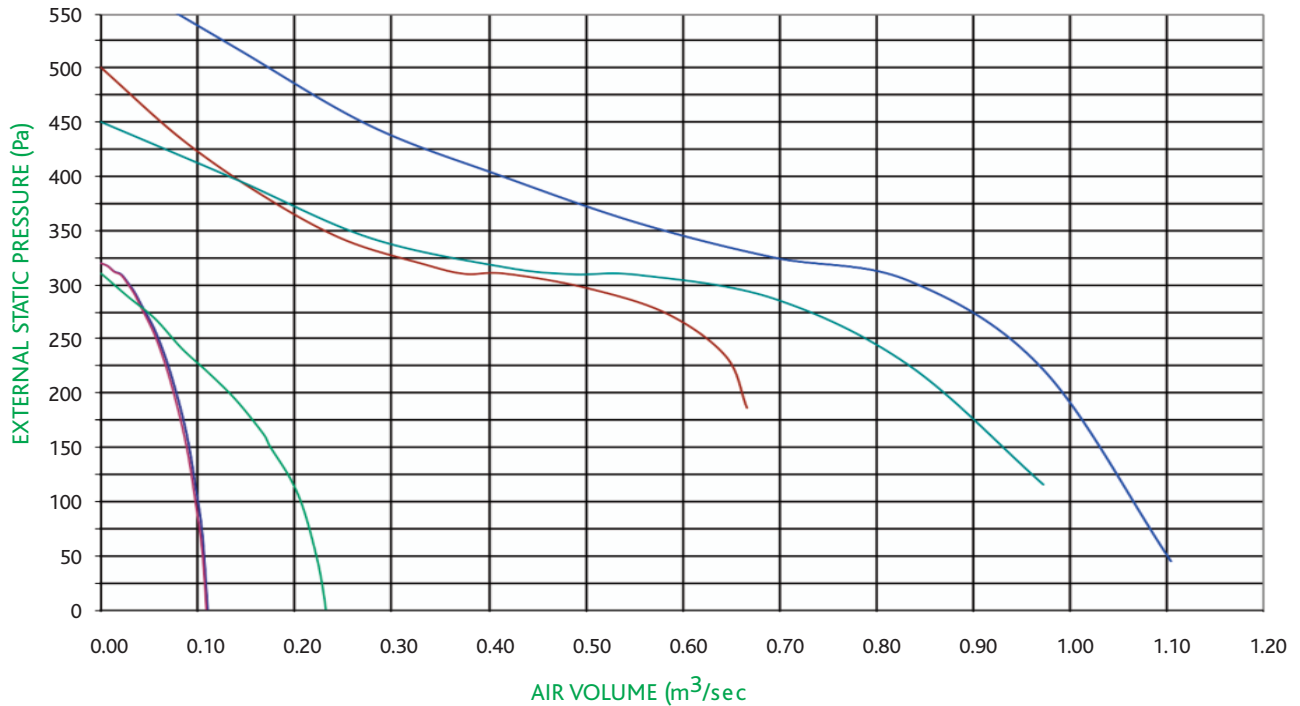
Model	Size		Power Kw	FLC amps	SC amps	Speed rpm	Changeover Controller Auto Duty Share	Speed Controller	Sound Power Levels dB							
									Mid Octave Bands (Hz)							
	ins	cm							63	125	250	500	1000	2000	4000	8000
EMT125	5	12	0.135	0.63	1.6	2000	DACOV8	QE1.5	66	69	62	59	56	54	55	52
EMT150	6	15	0.135	0.63	1.6	2000	DACOV8	QE1.5	66	69	62	59	56	54	55	52
EMT200	8	20	0.19	0.85	2.2	1250	DACOV8	QE1.5	72	67	68	66	69	63	61	59
EMT315	12	31	0.37	3.85	12.0	1400	DACOV8	QE6	73	75	76	76	76	73	69	61
EMT400	16	40	0.55	5.1	12.8	1400	DACOV8	QE6	77	77	78	76	78	75	73	66
EMT500	20	50	0.55	6.6	17	1055	DACOV8	QE8	77	77	78	76	78	75	73	66

PERFORMANCE - EMT - externally mounted

Model	Max m ³ /hr	Max m ³ /sec	m ³ /sec at Pa												
			0	25	50	75	100	150	200	250	300	350	400	450	500
EMT125	392	0.109	0.109	0.107	0.106	0.103	0.099	0.090	0.077	0.059	0.029	-	-	-	-
SFP			1.04	1.04	1.04	1.06	1.10	1.18	1.33	1.68	3.29	-	-	-	-
EMT150	389	0.108	0.108	0.106	0.104	0.101	0.096	0.087	0.074	0.057	0.028	-	-	-	-
SFP			1.04	1.04	1.05	1.08	1.12	1.21	1.38	1.74	3.43	-	-	-	-
EMT200	828	0.230	0.230	0.226	0.221	0.214	0.205	0.174	0.132	0.074	0.014	-	-	-	-
SFP			0.81	0.81	0.82	0.85	0.88	0.99	1.21	1.97	9.89	-	-	-	-
EMT315	2380	0.661	-	-	-	-	-	-	0.661	0.624	0.483	0.228	0.135	0.061	-
SFP			-	-	-	-	-	-	1.23	1.25	1.43	2.66	4.53	10.28	-
EMT400	3348	0.930	-	-	-	-	-	0.930	0.869	0.788	0.630	0.255	0.131	-	-
SFP			-	-	-	-	-	1.25	1.19	1.18	1.28	2.70	4.93	-	-
EMT500	3974	1.104	-	-	1.100	1.082	1.065	1.030	0.992	0.938	0.842	0.579	0.412	0.269	0.173
SFP			-	-	1.45	1.41	1.37	1.35	1.32	1.30	1.29	1.54	1.99	2.94	4.79

EXTERNAL ACOUSTIC CABINET TWIN FANS - EMT

TECHNICAL DATA - EMT - CURVES & DIMENSIONS



Model	A	B	C	D	E	Kg
EMT125	650	375	400	125	150	19
EMT150	650	375	400	150	150	19
EMT200	800	375	500	200	175	21
EMT315	1000	580	650	315	200	51
EMT400	1150	580	650	400	250	56
EMT500	1250	580	700	500	300	84

STP/STR bespoke Air Handling Units

- Bespoke or modular, supply, extract or combined
- Plantroom or weatherproof, stacked, side x side and vertical models up to 20m³/s air volume
- Adhere to specialist sector specification
- Versatile fitted control options
- Sectionalised units and flat pack available



HRPSL/HRRSL - Heat Recovery Units

- Standard designs up to 4m³/s air volume
- Plantroom or weatherproof, stacked or side x side models
- High efficiency Counterflow heat exchanger
- Versatile fitted control options



IME/IMW/EME/EMW - Compact Supply Air Handling Units

SPE/SRE/SPW/SRW - Supply Air Handling Units

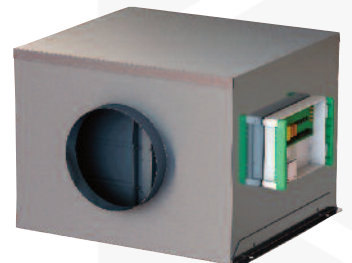
- Pre-designed units up to 1.2m³/s air volume
- Plantroom and weatherproof models
- Electric or water heating options
- Matched control panel options



QST-EC/EMT-EC - Acoustic Twin Cabinet Fans

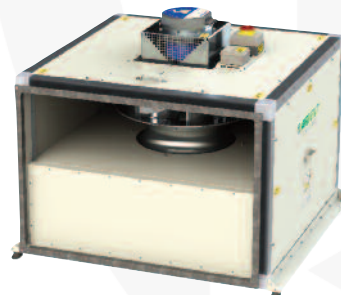
QSS-EC/EM-EC - Acoustic Cabinet Fans

- Pre-designed units up to 2.5m³/s air volume
- Plantroom and weatherproof models
- Matched control panels. Twin fans with auto-changeover facility



QBK - High Temperature Extract Fans

- Plantroom and weatherproof models
- Up to 8m³/s air volume
- Fire rated options available
- Matched control panel options including gas interlock



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