ELTA SELECT

Quietflow SQT DCV

Product Brochure

t: **01384 275800**
f: **01384 275810**
e: **bs@eltafans.co.uk**
visit: **eltaselect.com**

Quietflow SQT DCV

Centrifugal Box Fan

centrifugal

NEW LARGER MODELS ADDED

DEMAND CONTROL VENTILATION

OVERVIEW

The Quietflow SQT DCV...ECL incorporates the BAT (Best Available Technology) Vpro backward curved impeller, with three dimensional profiled blades powered by the ultra reliable Ziehl-Abegg EC (electronically commutated) external rotor motor. The range of acoustically treated in-line centrifugal twin fans are suitable for Demand Control Ventilation via matching sensors.

To find out more about DCV, visit: **demandcontrolventilation.com**

MORE INFORMATION

		AC	EC
		PAGE NO.	
Performance, SFP & Electrical Data	1Ph	3	8
	3Ph	-	12
Sound Data	1Ph	5	10
	3Ph	-	13
Accessories & Wiring Data	All	7	14
Optimum Energy Efficiency Point	All	7	15
Dimensional Data	All	15	

QUICK FACTS

- ✓ 11 sizes from 100mm to 710mm.
- ✓ Air volume flow rates up to 4.19 m³/s (EC) and 1.23 m³/s (AC).
- ✓ Static pressures up to 1237 Pa (EC) and 570 Pa (AC).
- ✓ Suitable for operating temperatures up to +60°C.
- ✓ Extensive stock range available.

CASING

The robust 1.2mm galvanised mild steel sheet casing, is treated internally with a Class O rated (BS 476 Parts 6 and 7) fire resistant acoustic foam lining with a fire resistant polymeric coating. The wrap around folded casing is specially manufactured using integral motor mounting plates to provide additional rigidity for the casings.

Each casing provides spigots to suit standard circular ducting. EPDM (Ethylene Propylene) rubber U shaped seals (being ozone and UV stable) are used to ensure a good seal back to the duct that is to be attached. A removable lid is provided as a standard feature to facilitate ease of maintenance and cleaning.

IMPELLER

High efficiency low tonal noise backward curved centrifugal impeller, dynamically balanced to ISO 14694 Grade G6.3 and directly driven by the motor to provide a smooth airflow through the unit.

MOTORS

The twin range of units may have either an EC or AC twin rotor motor fitted as standard. The motor contains sealed for life bearings. Thermal Class of motors to THCL 130 or 155 dependent on size

Manufactured by Ziehl-Abegg providing increased reliability. All motors are suitable for use in ambient air conditions up to +60°C. The twin range of units incorporate automatic control interface for easy connection to Building Management Systems to control and monitor performance.

Electrical connection shall be via an IP55 terminal box mounted on the side for easy customer connection.

QUALITY MANAGEMENT

Units are to be designed and manufactured with procedures as defined in BS EN ISO 9001:2008. All SQT DCV units are to be tested to ISO 5801:2007 (airside performance) and BS 848 Part 2:1985 (sound performance).

TYPICAL APPLICATIONS

- Toilets and Bathrooms
- Hotels
- Kitchens
- Residential
- Offices
- Libraries

Elta Fans Limited has a policy of continuous product development and improvement and therefore reserves the right to supply products which may differ from those illustrated and described in this publication. Confirmation of dimensions and data will be supplied on request.

Quietflow SQT DCV

Performance, SFP & Electrical Data

AC

SINGLE Phase - 220V to 240V / 50Hz

Product Code	Control Voltage	Speed r/min	Airflow SFP	Airflow m³/s @ Static Pressure Pa.												Overall Efficiency %	FMEG	Motor Electrical Data		dBA @ 3m	
				0	25	50	75	100	150	200	250	300	350	400	500			FLC Amps	Input kW		
SQTDCV100-1ACL	10V	2510	**m³ / s**	**0.075**	**0.073**	**0.070**	**0.067**	**0.063**	**0.055**	**0.046**	**0.035**	**0.020**				14.1	-	0.35	0.075	Inlet	39
																				Outlet	41
			W / (L/s)	1.00	1.03	1.07	1.12	1.17	1.33	1.56	1.99	3.39								Breakout	34
	8V	2384	**m³ / s**	**0.069**	**0.066**	**0.064**	**0.061**	**0.057**	**0.050**	**0.040**	**0.026**	**0.010**				13.3		0.32	0.069	Inlet	39
																				Outlet	44
			W / (L/s)	1.00	1.03	1.07	1.12	1.18	1.35	1.65	2.38	5.77								Breakout	34
	5V	1961	**m³ / s**	**0.055**	**0.051**	**0.047**	**0.043**	**0.038**	**0.028**	**0.015**						8.9		0.26	0.053	Inlet	33
																				Outlet	32
			W / (L/s)	0.96	1.02	1.10	1.21	1.34	1.81	3.21										Breakout	34
	2V	1249	**m³ / s**	**0.035**	**0.028**	**0.020**	**0.014**	**0.007**								3.4		0.20	0.034	Inlet	*20
																				Outlet	*20
			W / (L/s)	0.96	1.20	1.63	2.43	4.59												Breakout	*20
SQTDCV125-1ACL	10V	2517	**m³ / s**	**0.093**	**0.090**	**0.087**	**0.084**	**0.079**	**0.069**	**0.057**	**0.044**	**0.021**				16.7	-	0.35	0.076	Inlet	41
																				Outlet	42
			W / (L/s)	0.81	0.83	0.86	0.89	0.94	1.07	1.28	1.65	3.18								Breakout	36
	8V	2399	**m³ / s**	**0.087**	**0.084**	**0.080**	**0.076**	**0.072**	**0.062**	**0.048**	**0.030**	**0.011**				15.8		0.32	0.069	Inlet	40
																				Outlet	40
			W / (L/s)	0.80	0.83	0.86	0.90	0.94	1.08	1.35	2.06	5.10								Breakout	36
	5V	1947	**m³ / s**	**0.070**	**0.066**	**0.061**	**0.055**	**0.048**	**0.032**	**0.018**						10.2		0.27	0.053	Inlet	35
																				Outlet	33
			W / (L/s)	0.77	0.81	0.87	0.96	1.09	1.57	2.72										Breakout	36
	2V	1193	**m³ / s**	**0.042**	**0.036**	**0.025**	**0.014**	**0.007**								3.9		0.21	0.035	Inlet	*20
																				Outlet	*20
			W / (L/s)	0.81	0.94	1.35	2.32	4.22												Breakout	*20
SQTDCV150-1ACL	10V	2479	**m³ / s**	**0.111**	**0.107**	**0.103**	**0.098**	**0.093**	**0.081**	**0.065**	**0.046**	**0.022**				18.7	-	0.34	0.075	Inlet	42
																				Outlet	46
			W / (L/s)	0.65	0.68	0.71	0.75	0.79	0.91	1.11	1.54	2.95								Breakout	35
	8V	2337	**m³ / s**	**0.107**	**0.102**	**0.097**	**0.091**	**0.085**	**0.071**	**0.055**	**0.036**	**0.015**				17.2		0.32	0.068	Inlet	40
																				Outlet	41
			W / (L/s)	0.63	0.66	0.70	0.74	0.80	0.95	1.22	1.79	3.97								Breakout	33
	5V	1919	**m³ / s**	**0.084**	**0.076**	**0.068**	**0.060**	**0.052**	**0.036**	**0.019**						11.1		0.26	0.053	Inlet	35
																				Outlet	35
			W / (L/s)	0.63	0.69	0.77	0.87	0.99	1.40	2.47										Breakout	26
	2V	1229	**m³ / s**	**0.052**	**0.038**	**0.025**	**0.016**	**0.008**								3.9		0.21	0.035	Inlet	*20
																				Outlet	*20
			W / (L/s)	0.66	0.90	1.34	2.02	3.79												Breakout	*20
SQTDCV200-1ACL	10V	2543	**m³ / s**	**0.216**	**0.209**	**0.202**	**0.195**	**0.186**	**0.169**	**0.151**	**0.131**	**0.110**	**0.086**	**0.057**		22.6	N41	0.68	0.155	Inlet	48
																				Outlet	48
			W / (L/s)	0.67	0.70	0.73	0.77	0.81	0.90	1.01	1.16	1.37	1.71	2.45						Breakout	42
	8V	2392	**m³ / s**	**0.203**	**0.198**	**0.191**	**0.184**	**0.175**	**0.155**	**0.132**	**0.109**	**0.085**	**0.060**	**0.034**		20.6		0.61	0.140	Inlet	48
																				Outlet	46
			W / (L/s)	0.66	0.68	0.71	0.74	0.78	0.89	1.04	1.25	1.57	2.13	3.53						Breakout	40
	5V	1832	**m³ / s**	**0.164**	**0.154**	**0.142**	**0.130**	**0.116**	**0.087**	**0.061**	**0.041**	**0.026**	**0.013**			13.0		0.48	0.105	Inlet	39
																				Outlet	39
			W / (L/s)	0.62	0.66	0.72	0.80	0.90	1.19	1.64	2.34	3.59	6.67							Breakout	33
	2V	1251	**m³ / s**	**0.109**	**0.091**	**0.070**	**0.051**	**0.035**	**0.009**							6.7		0.30	0.059	Inlet	*20
																				Outlet	*20
			W / (L/s)	0.54	0.64	0.84	1.16	1.67	6.00											Breakout	*20

The overall A-scale sound pressure level is at a distance of three meters with spherical propogation. It is expressed in dB re 20μPa and is presented for comparative purposes only, as in the practice semi reverberant nature of any installation and directivity effects can give a different value.

*At 2V the average spherical free-field sound pressure levels cannot be accurately measured above the background level in our conventional laboratory facilities. When correctly installed the fan will be inaudible. (less than 20dBA)

Elta Fans Limited has a policy of continuous product development and improvement and therefore reserves the right to supply products which may differ from those illustrated and described in this publication. Confirmation of dimensions and data will be supplied on request.

Quietflow SQT DCV

Performance, SFP & Electrical Data

AC

SINGLE Phase - 220V to 240V / 50Hz

Product Code	Control Voltage	Speed r/min	Airflow SFP	Airflow m³/s @ Static Pressure Pa.												Overall Efficiency %	FMEG	Motor Electrical Data		dBA @ 3m	
				0	25	50	75	100	150	200	250	300	350	400	500			FLC Amps	Input kW		
SQTDCV250-1ACL	10V	2424	**m³ / s**	**0.328**	**0.318**	**0.306**	**0.294**	**0.281**	**0.254**	**0.226**	**0.197**	**0.167**	**0.136**	**0.103**	**0.044**	23.8	N41	0.96	0.220	Inlet	51
																				Outlet	49
			W / (L/s)	0.64	0.66	0.69	0.72	0.76	0.85	0.96	1.10	1.29	1.56	1.97	3.94					Breakout	44
	8V	2201	**m³ / s**	**0.300**	**0.288**	**0.275**	**0.263**	**0.250**	**0.224**	**0.196**	**0.165**	**0.131**	**0.098**	**0.069**	**0.025**	20.9		0.93	0.211	Inlet	50
																				Outlet	50
			W / (L/s)	0.63	0.67	0.71	0.75	0.80	0.91	1.04	1.23	1.50	1.90	2.52	5.79					Breakout	42
	5V	1631	**m³ / s**	**0.209**	**0.193**	**0.175**	**0.154**	**0.134**	**0.098**	**0.069**	**0.046**	**0.026**				10.0		0.70	0.154	Inlet	38
																				Outlet	36
			W / (L/s)	0.73	0.79	0.87	0.99	1.14	1.53	2.09	2.97	4.81								Breakout	31
	2V	1000	**m³ / s**	**0.129**	**0.104**	**0.066**	**0.042**	**0.027**								4.1		0.40	0.083	Inlet	*20
																				Outlet	*20
			W / (L/s)	0.65	0.80	1.25	1.93	2.95												Breakout	*20
SQTDCV315-1ACL	10V	1263	**m³ / s**	**0.401**	**0.381**	**0.357**	**0.329**	**0.298**	**0.227**	**0.144**	**0.030**					22.5	N41	0.75	0.159	Inlet	39
																				Outlet	40
			W / (L/s)	0.39	0.41	0.44	0.48	0.53	0.69	1.04	4.25									Breakout	36
	8V	1186	**m³ / s**	**0.382**	**0.352**	**0.324**	**0.296**	**0.267**	**0.200**	**0.104**	**0.011**					22.3		0.67	0.145	Inlet	38
																				Outlet	38
			W / (L/s)	0.36	0.40	0.44	0.48	0.53	0.69	1.20	9.38									Breakout	36
	5V	925	**m³ / s**	**0.288**	**0.251**	**0.213**	**0.172**	**0.129**	**0.058**							12.8		0.52	0.109	Inlet	29
																				Outlet	31
			W / (L/s)	0.38	0.43	0.50	0.62	0.81	1.66											Breakout	32
	2V	547	**m³ / s**	**0.162**	**0.096**	**0.043**	**0.010**									4.1		0.34	0.064	Inlet	*20
																				Outlet	*20
			W / (L/s)	0.39	0.66	1.44	5.61													Breakout	*20
SQTDCV400-1ACL	10V	1379	**m³ / s**	**0.706**	**0.684**	**0.658**	**0.627**	**0.591**	**0.512**	**0.432**	**0.350**	**0.249**	**0.046**			31.5	N47	1.48	0.299	Inlet	45
																				Outlet	46
			W / (L/s)	0.38	0.39	0.42	0.44	0.48	0.56	0.67	0.81	1.09	4.60							Breakout	39
	8V	1347	**m³ / s**	**0.693**	**0.664**	**0.630**	**0.594**	**0.555**	**0.477**	**0.399**	**0.315**	**0.200**				32.1		1.28	0.292	Inlet	44
																				Outlet	45
			W / (L/s)	0.38	0.40	0.41	0.43	0.46	0.54	0.65	0.81	1.21								Breakout	38
	5V	1126	**m³ / s**	**0.602**	**0.555**	**0.503**	**0.449**	**0.397**	**0.302**	**0.219**	**0.143**	**0.069**				19.9		1.20	0.239	Inlet	40
																				Outlet	42
			W / (L/s)	0.38	0.41	0.45	0.51	0.58	0.77	1.04	1.47	2.61								Breakout	36
	2V	610	**m³ / s**	**0.304**	**0.251**	**0.155**	**0.088**									5.8		0.80	0.139	Inlet	*20
																				Outlet	*20
			W / (L/s)	0.45	0.55	0.89	1.51													Breakout	*20
SQTDCV500-1ACL	10V	1214	**m³ / s**	**1.230**	**1.185**	**1.139**	**1.092**	**1.045**	**0.948**	**0.847**	**0.740**	**0.625**	**0.500**	**0.363**	**0.046**	30.5	N43	2.94	0.649	Inlet	46
																				Outlet	48
			2518	0.50	0.51	0.54	0.56	0.59	0.65	0.74	0.85	1.01	1.26	1.69	11.10					Breakout	46
	8V	1082	**m³ / s**	**1.134**	**1.080**	**1.026**	**0.971**	**0.915**	**0.796**	**0.665**	**0.524**	**0.380**	**0.250**	**0.140**		24.3		2.61	0.574	Inlet	45
																				Outlet	45
			2518	0.49	0.51	0.54	0.57	0.61	0.70	0.85	1.08	1.46	2.14	3.57						Breakout	45
	5V	865	**m³ / s**	**0.903**	**0.844**	**0.777**	**0.702**	**0.619**	**0.438**	**0.273**	**0.142**	**0.036**				16.1		1.99	0.430	Inlet	36
																				Outlet	36
			2518	0.46	0.49	0.54	0.60	0.69	0.97	1.52	2.82	10.26								Breakout	35
	2V	514	**m³ / s**	**0.537**	**0.426**	**0.279**	**0.155**	**0.068**								6.4		1.09	0.228	Inlet	*20
																				Outlet	*20
			2518	0.42	0.53	0.81	1.44	3.22												Breakout	*20

The overall A-scale sound pressure level is at a distance of three meters with spherical propogation. It is expressed in dB re 20μPa and is presented for comparative purposes only, as in the practice semi reverberant nature of any installation and directivity effects can give a different value.

*At 2V the average spherical free-field sound pressure levels cannot be accurately measured above the background level in our conventional laboratory facilities. When correctly installed the fan will be inaudible. (less than 20dBA)

Elta Fans Limited has a policy of continuous product development and improvement and therefore reserves the right to supply products which may differ from those illustrated and described in this publication. Confirmation of dimensions and data will be supplied on request.

Quietflow SQT DCV

Sound Data

AC

SINGLE Phase - 220V to 240V / 50Hz

Product Code	Control Voltage	Speed r/min		Sound Power Level dBW @ Octave Band Hz								Total dB	Silencer dBA Attenuation			
				63Hz	125Hz	250Hz	500Hz	1 kHz	2 kHz	4 kHz	8 kHz		300L	600L	900L	1200L
SQTDCV100-1ACL	10V	2510	Inlet	62	68	65	58	46	42	38	33	71	-9	-14	-19	-21
			Outlet	72	69	67	59	51	43	38	30	75	-9	-13	-19	-21
			Breakout	51	54	60	51	48	42	36	29	62	-	-	-	-
	8V	2384	Inlet	62	69	65	56	44	41	36	31	71	-8	-13	-18	-20
			Outlet	69	69	72	57	50	41	35	28	75	-9	-14	-20	-22
			Breakout	51	54	60	51	48	42	36	29	62	-	-	-	-
	5V	1961	Inlet	60	65	57	50	37	35	28	21	67	-7	-11	-16	-18
			Outlet	62	63	57	49	42	35	28	20	66	-8	-12	-17	-19
			Breakout	51	54	60	51	48	42	36	29	62	-	-	-	-
	2V	1249	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
			Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
			Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
SQTDCV125-1ACL	10V	2517	Inlet	67	68	66	62	48	44	38	37	72	-9	-14	-19	-22
			Outlet	74	67	69	58	51	43	40	39	76	-8	-12	-17	-20
			Breakout	45	54	60	53	51	44	40	37	62	-	-	-	-
	8V	2399	Inlet	67	67	65	60	46	43	36	35	72	-9	-14	-18	-21
			Outlet	74	66	67	56	49	42	38	37	75	-8	-12	-17	-19
			Breakout	45	54	60	53	51	44	40	37	62	-	-	-	-
	5V	1947	Inlet	63	65	60	53	40	38	29	26	68	-7	-12	-16	-19
			Outlet	66	63	60	48	42	35	34	28	68	-7	-11	-16	-19
			Breakout	45	54	60	53	51	44	40	37	62	-	-	-	-
	2V	1193	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
			Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
			Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
SQTDCV150-1ACL	10V	2479	Inlet	68	65	68	62	50	46	41	39	72	-8	-14	-17	-19
			Outlet	76	69	75	59	52	45	43	41	79	-6	-12	-15	-17
			Breakout	51	53	60	53	49	42	34	26	62	-	-	-	-
	8V	2337	Inlet	68	65	65	60	48	45	39	37	71	-8	-13	-16	-19
			Outlet	75	68	68	57	50	43	41	40	77	-6	-11	-14	-17
			Breakout	50	51	58	52	47	40	32	25	60	-	-	-	-
	5V	1919	Inlet	67	66	60	53	41	39	31	23	70	-6	-10	-13	-17
			Outlet	68	67	60	49	42	36	36	25	71	-5	-9	-12	-16
			Breakout	46	51	50	46	39	32	24	18	55	-	-	-	-
	2V	1229	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
			Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
			Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
SQTDCV200-1ACL	10V	2543	Inlet	79	72	74	67	55	51	47	44	81	-7	-11	-15	-18
			Outlet	77	75	72	68	57	52	49	49	80	-8	-12	-15	-18
			Breakout	57	62	66	61	55	49	44	41	69	-	-	-	-
	8V	2392	Inlet	80	70	75	65	53	49	45	43	82	-7	-10	-14	-17
			Outlet	75	74	71	66	55	50	47	47	79	-7	-11	-15	-18
			Breakout	56	61	65	59	53	47	42	39	68	-	-	-	-
	5V	1832	Inlet	71	71	62	58	45	41	39	32	74	-6	-9	-12	-15
			Outlet	68	72	64	56	45	43	40	35	74	-5	-9	-12	-15
			Breakout	48	63	56	52	44	39	37	33	64	-	-	-	-
	2V	1251	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
			Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
			Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-

Tests and preparation of the sound data have been carried out in accordance with BS 848 Part 2:1985 at 50% peak pressure.
The Sound Power Level Spectra are in dB re-1pW.

Elta Fans Limited has a policy of continuous product development and improvement and therefore reserves the right to supply products which may differ from those illustrated and described in this publication.
Confirmation of dimensions and data will be supplied on request.

Quietflow SQT DCV

Sound Data

AC

SINGLE Phase - 220V to 240V / 50Hz

Product Code	Control Voltage	Speed r/min		Sound Power Level dBW @ Octave Band Hz								Total dB	Silencer dBA Attenuation			
				63Hz	125Hz	250Hz	500Hz	1 kHz	2 kHz	4 kHz	8 kHz		300L	600L	900L	1200L
SQTDCV250-1ACL	10V	2424	Inlet	77	73	78	70	59	54	53	53	82	-7	-12	-14	-17
			Outlet	77	76	74	68	61	57	53	52	81	-8	-11	-14	-16
			Breakout	61	63	70	63	57	48	41	38	72	-	-	-	-
	8V	2201	Inlet	74	71	78	68	56	51	51	50	80	-7	-11	-13	-16
			Outlet	75	73	78	65	58	53	50	49	81	-7	-11	-13	-15
			Breakout	58	62	68	60	54	45	39	36	70	-	-	-	-
	5V	1631	Inlet	69	70	60	57	46	42	44	32	73	-6	-9	-11	-13
			Outlet	65	70	58	52	45	41	40	30	71	-5	-8	-10	-12
			Breakout	49	63	53	49	42	34	31	23	64	-	-	-	-
	2V	1000	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
			Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
			Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
SQTDCV315-1ACL	10V	1263	Inlet	66	74	62	53	42	41	37	28	75	-4	-6	-8	-10
			Outlet	69	75	57	57	46	41	37	33	76	-4	-6	-8	-10
			Breakout	58	69	58	54	47	39	31	26	70	-	-	-	-
	8V	1186	Inlet	64	73	60	52	40	39	35	24	74	-4	-6	-8	-10
			Outlet	68	72	55	56	45	40	35	30	74	-5	-7	-9	-11
			Breakout	62	69	57	55	45	37	30	24	70	-	-	-	-
	5V	925	Inlet	68	63	51	43	33	32	23	15	69	-4	-6	-7	-9
			Outlet	65	61	49	53	35	34	23	15	67	-7	-9	-11	-14
			Breakout	59	66	53	49	35	29	21	19	67	-	-	-	-
	2V	547	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
			Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
			Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
SQTDCV400-1ACL	10V	1379	Inlet	73	76	72	59	49	50	47	40	79	-4	-6	-8	-11
			Outlet	75	80	67	63	54	50	48	43	81	-4	-6	-8	-10
			Breakout	61	68	65	56	50	45	40	35	71	-	-	-	-
	8V	1347	Inlet	72	75	70	58	48	49	46	38	78	-4	-6	-8	-11
			Outlet	74	79	65	61	53	49	47	42	80	-4	-6	-8	-10
			Breakout	60	70	63	55	49	44	40	34	71	-	-	-	-
	5V	1126	Inlet	67	75	64	52	41	42	35	25	76	-3	-5	-7	-9
			Outlet	68	78	60	53	44	42	39	30	78	-2	-4	-6	-9
			Breakout	56	71	58	50	42	38	34	27	71	-	-	-	-
	2V	610	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
			Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
			Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
SQTDCV500-1ACL	10V	1214	Inlet	75	78	72	60	54	52	49	49	80	-	-	-	-
			Outlet	75	80	70	67	58	53	50	46	82	-	-	-	-
			Breakout	70	76	70	65	58	52	45	41	78	-	-	-	-
	8V	1082	Inlet	74	77	70	58	51	50	47	48	79	-	-	-	-
			Outlet	74	78	66	64	55	51	48	44	80	-	-	-	-
			Breakout	68	78	68	63	56	49	42	39	79	-	-	-	-
	5V	865	Inlet	72	67	62	48	41	41	40	33	74	-	-	-	-
			Outlet	70	67	58	55	46	42	41	31	72	-	-	-	-
			Breakout	64	66	59	53	46	39	34	28	69	-	-	-	-
	2V	514	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
			Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
			Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-

Tests and preparation of the sound data have been carried out in accordance with BS 848 Part 2:1985 at 50% peak pressure.
The Sound Power Level Spectra are in dB re-1pW.

Elta Fans Limited has a policy of continuous product development and improvement and therefore reserves the right to supply products which may differ from those illustrated and described in this publication.
Confirmation of dimensions and data will be supplied on request.

Quietflow SQT DCV

Accessories & Wiring Data

AC

For more information on Accessories & Wiring Diagrams, please see individual product downloads, or visit eltaselect.com/information-centre

SINGLE Phase - 220V to 240V / 50Hz

Product Code	Flexible Connections (each)	Clamps (each)	AV Mounts (set of 4)	Panel Filter	Electric Heater Battery
SQTDCV100-1ACL	018-0100-FLEX	018-100-CLAMP	062-SEL03	018-0100-FILT-P	018-0100-HEAT-1
SQTDCV125-1ACL	018-0125-FLEX	018-125-CLAMP	062-SEL03	018-0125-FILT-P	018-0125-HEAT-1
SQTDCV150-1ACL	018-0150-FLEX	018-150-CLAMP	062-SEL03	018-0150-FILT-P	018-0150-HEAT-1
SQTDCV200-1ACL	018-0200-FLEX	018-200-CLAMP	062-SEL04	018-0200-FILT-P	018-0200-HEAT-1
SQTDCV250-1ACL	018-0250-FLEX	018-250-CLAMP	062-SEL04	018-0250-FILT-P	018-0250-HEAT-1
SQTDCV315-1ACL	018-0315-FLEX	018-315-CLAMP	062-SEL04	018-0315-FILT-P	018-0315-HEA1/3
SQTDCV400-1ACL	018-0400-FLEX	018-400-CLAMP	062-SEL05	018-0400-FILT-P	018-0400-HEA1/3
SQTDCV500-1ACL	018-0500-FLEX	018-500-CLAMP	062-SEL05	018-0500-FILT-P	018-0500-HEAT-3* 018-0500-HEAT-4*

*Both Electric Heater Batteries can be used.

Product Code	Silencer 300mm Long	Silencer 600mm Long	Silencer 900mm Long	Silencer 1200mm Long	Wiring Diagram No.
SQTDCV100-1ACL	068-0100-JF1	068-0100-JF2	068-0100-JF3	068-0100-JF4	152-523
SQTDCV125-1ACL	068-0125-JF1	068-0125-JF2	068-0125-JF3	068-0125-JF4	152-523
SQTDCV150-1ACL	068-0150-JF1	068-0150-JF2	068-0150-JF3	068-0150-JF4	152-523
SQTDCV200-1ACL	068-0200-JF1	068-0200-JF2	068-0200-JF3	068-0200-JF4	152-523
SQTDCV250-1ACL	068-0250-JF1	068-0250-JF2	068-0250-JF3	068-0250-JF4	152-523
SQTDCV315-1ACL	068-0315-JF1	068-0315-JF2	068-0315-JF3	068-0315-JF4	152-523
SQTDCV400-1ACL	068-0400-JF1	068-0400-JF2	068-0400-JF3	068-0400-JF4	152-523
SQTDCV500-1ACL	Please enquire.				152-523

Product Code	Sensors
Can be used with all DCV products.	149-DCV-CBL10
	149-DCV-CO2
	149-DCV-DPT150
	149-DCV-H1
	149-DCV-HRT
	149-DCV-PIR
	149-DCV-TRT
	149-POT-10

Optimum Energy Efficiency Point

SINGLE Phase - 220V to 240V / 50Hz

Product Code	Volume m^3/s	Pressure Pa	Input kW	Speed r/min	Efficiency %	FMEG
SQTDCV100-1ACL	0.047	219	0.073	2510	14.1	-
SQTDCV125-1ACL	0.058	214	0.074	2517	16.7	-
SQTDCV150-1ACL	0.069	201	0.074	2479	18.7	-
SQTDCV200-1ACL	0.121	285	0.152	2543	22.6	N41
SQTDCV250-1ACL	0.177	293	0.217	2424	23.8	N41
SQTDCV315-1ACL	0.228	155	0.157	1263	22.5	N41
SQTDCV400-1ACL	0.380	238	0.287	1379	31.5	N47
SQTDCV500-1ACL	0.690	280	0.632	1214	30.5	N43

Data provided at standard air density of 1.2 kg/m^3.
Values are per ISO 12759 installation category D (total).

Elta Fans Limited has a policy of continuous product development and improvement and therefore reserves the right to supply products which may differ from those illustrated and described in this publication. Confirmation of dimensions and data will be supplied on request.

Quietflow SQT DCV

Performance, SFP & Electrical Data

EC

SINGLE Phase - 220V to 240V / 50Hz or 60Hz

Product Code	Control Voltage	Airflow SFP	Airflow m³/s @ Static Pressure Pa.												Overall Efficiency %	FMEG	Motor Electrical Data		dBA @ 3m	
			0	25	50	75	100	150	200	250	300	350	400	500			FLC Amps	Input kW		
SQTDCV100-1ECL	10V	m³ / s	0.103	0.102	0.100	0.098	0.096	0.092	0.087	0.082	0.076	0.070	0.062	0.044	24.0	N43	1.23	0.140	Inlet	49
																			Outlet	48
		W / (l/s)	1.26	1.29	1.32	1.36	1.39	1.47	1.56	1.66	1.78	1.92	2.10	2.76					Breakout	40
	8V	m³ / s	0.095	0.093	0.090	0.087	0.084	0.079	0.074	0.068	0.062	0.056	0.050	0.035	24.8		0.95	0.106	Inlet	46
																			Outlet	46
		W / (l/s)	1.03	1.05	1.08	1.11	1.15	1.23	1.32	1.44	1.59	1.78	2.03	2.95					Breakout	40
	5V	m³ / s	0.060	0.055	0.050	0.045	0.041	0.032	0.023	0.013					21.2		0.32	0.035	Inlet	36
																			Outlet	35
		W / (l/s)	0.51	0.53	0.57	0.62	0.69	0.91	1.36	2.58									Breakout	40
	2V	m³ / s	0.020	0.006											6.7		0.09	0.005	Inlet	*20
																			Outlet	*20
		W / (l/s)	0.24	0.73															Breakout	*20
SQTDCV125-1ECL	10V	m³ / s	0.123	0.121	0.118	0.115	0.112	0.106	0.100	0.092	0.084	0.075	0.065	0.037	24.3	N43	1.21	0.151	Inlet	50
																			Outlet	52
		W / (l/s)	1.16	1.18	1.20	1.22	1.25	1.31	1.38	1.47	1.59	1.76	2.01	3.39					Breakout	42
	8V	m³ / s	0.114	0.111	0.107	0.104	0.101	0.093	0.086	0.077	0.068	0.057	0.046	0.019	24.6		0.94	0.108	Inlet	48
																			Outlet	48
		W / (l/s)	0.90	0.91	0.94	0.96	0.99	1.06	1.16	1.30	1.50	1.80	2.28	5.48					Breakout	42
	5V	m³ / s	0.067	0.063	0.059	0.053	0.046	0.030	0.014						20.4		0.30	0.034	Inlet	40
																			Outlet	38
		W / (l/s)	0.42	0.45	0.49	0.54	0.63	1.03	2.25										Breakout	42
	2V	m³ / s	0.024	0.007											6.6		0.08	0.005	Inlet	*20
																			Outlet	*20
		W / (l/s)	0.21	0.71															Breakout	*20
SQTDCV150-1ECL	10V	m³ / s	0.146	0.143	0.140	0.137	0.133	0.125	0.116	0.107	0.098	0.089	0.079	0.057	28.2	N47	1.17	0.134	Inlet	50
																			Outlet	50
		W / (l/s)	0.91	0.93	0.94	0.96	0.99	1.05	1.12	1.22	1.35	1.49	1.68	2.31					Breakout	43
	8V	m³ / s	0.134	0.129	0.125	0.121	0.116	0.107	0.098	0.089	0.079	0.069	0.058	0.033	28.5		0.93	0.106	Inlet	47
																			Outlet	50
		W / (l/s)	0.73	0.76	0.78	0.81	0.84	0.92	1.01	1.12	1.27	1.47	1.77	3.18					Breakout	43
	5V	m³ / s	0.084	0.076	0.069	0.062	0.055	0.039	0.023	0.010					24.7		0.30	0.035	Inlet	38
																			Outlet	43
		W / (l/s)	0.33	0.37	0.42	0.47	0.53	0.76	1.34	3.18									Breakout	43
	2V	m³ / s	0.028												5.5		0.08	0.005	Inlet	*20
																			Outlet	*20
		W / (l/s)	0.16																Breakout	*20
SQTDCV200-1ECL	10V	m³ / s	0.274	0.267	0.261	0.254	0.248	0.235	0.221	0.208	0.194	0.179	0.164	0.130	32.8	N49	1.90	0.240	Inlet	54
																			Outlet	54
		W / (l/s)	0.81	0.84	0.87	0.90	0.93	0.99	1.06	1.14	1.23	1.33	1.45	1.81					Breakout	48
	8V	m³ / s	0.229	0.222	0.216	0.209	0.201	0.185	0.168	0.149	0.130	0.111	0.093	0.060	32.0		1.32	0.173	Inlet	50
																			Outlet	51
		W / (l/s)	0.64	0.65	0.67	0.69	0.72	0.78	0.86	0.96	1.11	1.32	1.60	2.56					Breakout	45
	5V	m³ / s	0.142	0.129	0.116	0.104	0.090	0.057	0.036	0.020					25.8		0.41	0.074	Inlet	40
																			Outlet	41
		W / (l/s)	0.34	0.34	0.36	0.40	0.48	0.87	1.49	2.66									Breakout	35
	2V	m³ / s	0.050	0.013											4.8		0.08	0.011	Inlet	*20
																			Outlet	*20
		W / (l/s)	0.21	0.79															Breakout	*20

A variable speed drive is integrated within the fan.
Overall total efficiency, r/min and FMEG values are per ISO 12759 installation category D. FLC Amps @ 230V / 1Ph / 50Hz.
Data provided at standard air density of 1.2 kg/m³.
The overall A-weighted sound pressure level is at a distance of 3m with spherical free-field propagation. It is expressed in dB re-20μPa and is presented for comparative purposes only.
* At 2V the average spherical free-field sound pressure levels cannot be accurately measured above the background level in our conventional laboratory facilities. When correctly installed the fan will be inaudible (less than 20dBA).

Elta Fans Limited has a policy of continuous product development and improvement and therefore reserves the right to supply products which may differ from those illustrated and described in this publication. Confirmation of dimensions and data will be supplied on request.

Quietflow SQT DCV

Performance, SFP & Electrical Data

EC

SINGLE Phase - 220V to 240V / 50Hz or 60Hz

Product Code	Control Voltage	Airflow SFP	Airflow m³/s @ Static Pressure Pa.												Overall Efficiency %	FMEG	Motor Electrical Data		dBA @ 3m	
			0	25	50	75	100	150	200	250	300	350	400	500			FLC Amps	Input kW		
SQTDCV250-1ECL	10V	**m³ / s**	**0.327**	**0.318**	**0.307**	**0.295**	**0.281**	**0.251**	**0.218**	**0.187**	**0.156**	**0.126**	**0.096**	**0.048**	29.8	N48	1.89	0.223	Inlet	50
																			Outlet	50
		W / (l/s)	0.58	0.60	0.62	0.65	0.67	0.75	0.85	0.99	1.19	1.48	1.97	4.18					Breakout	44
	8V	**m³ / s**	**0.269**	**0.256**	**0.242**	**0.227**	**0.210**	**0.173**	**0.135**	**0.100**	**0.070**	**0.045**	**0.024**		30.8		1.08	0.126	Inlet	47
																			Outlet	48
		W / (l/s)	0.39	0.41	0.44	0.46	0.50	0.60	0.78	1.07	1.57	2.52	4.88						Breakout	42
	5V	**m³ / s**	**0.168**	**0.147**	**0.119**	**0.088**	**0.059**	**0.015**							26.7		0.31	0.035	Inlet	36
																			Outlet	35
		W / (l/s)	0.18	0.21	0.26	0.35	0.52	2.26											Breakout	27
	2V	**m³ / s**	**0.064**												9.7		0.08	0.006	Inlet	*20
																			Outlet	*20
		W / (l/s)	0.08																Breakout	*20
SQTDCV315-1ECL	10V	**m³ / s**	**0.625**	**0.614**	**0.602**	**0.590**	**0.577**	**0.550**	**0.521**	**0.489**	**0.453**	**0.411**	**0.362**	**0.220**	42.0	N56	1.96	0.428	Inlet	51
																			Outlet	51
		W / (l/s)	0.61	0.63	0.65	0.67	0.69	0.74	0.79	0.85	0.92	0.99	1.10	1.55					Breakout	47
	8V	**m³ / s**	**0.493**	**0.480**	**0.465**	**0.450**	**0.434**	**0.397**	**0.352**	**0.294**	**0.207**	**0.038**			41.5		1.04	0.217	Inlet	43
																			Outlet	43
		W / (l/s)	0.41	0.42	0.44	0.46	0.49	0.54	0.61	0.71	0.93	3.71							Breakout	40
	5V	**m³ / s**	**0.296**	**0.272**	**0.243**	**0.207**	**0.152**								32.7		0.32	0.061	Inlet	36
																			Outlet	32
		W / (l/s)	0.20	0.22	0.25	0.29	0.38												Breakout	28
	2V	**m³ / s**	**0.097**												4.8		0.11	0.015	Inlet	*20
																			Outlet	*20
		W / (l/s)	0.16																Breakout	*20
SQTDCV400-1ECL	10V	**m³ / s**	**1.074**	**1.055**	**1.037**	**1.019**	**1.001**	**0.965**	**0.930**	**0.894**	**0.858**	**0.821**	**0.783**	**0.702**	46.9	N57	4.25	0.914	Inlet	58
																			Outlet	57
		W / (l/s)	0.80	0.82	0.83	0.85	0.87	0.90	0.94	0.98	1.02	1.07	1.12	1.25					Breakout	53
	8V	**m³ / s**	**0.844**	**0.819**	**0.795**	**0.772**	**0.751**	**0.709**	**0.668**	**0.626**	**0.582**	**0.535**	**0.481**	**0.317**	46.4		2.33	0.491	Inlet	51
																			Outlet	52
		W / (l/s)	0.54	0.56	0.58	0.60	0.61	0.65	0.70	0.75	0.81	0.88	0.98	1.41					Breakout	47
	5V	**m³ / s**	**0.514**	**0.481**	**0.446**	**0.408**	**0.365**	**0.259**	**0.035**						36.3		0.64	0.139	Inlet	40
																			Outlet	41
		W / (l/s)	0.24	0.27	0.29	0.32	0.36	0.49	2.70										Breakout	34
	2V	**m³ / s**	**0.172**												21.1		0.20	0.034	Inlet	*20
																			Outlet	*20
		W / (l/s)	0.04																Breakout	*20
SQTDCV500-1ECL	10V	**m³ / s**	**1.445**	**1.419**	**1.390**	**1.359**	**1.325**	**1.252**	**1.172**	**1.088**	**1.001**	**0.914**	**0.823**	**0.621**	49.1	N60	3.50	0.774	Inlet	51
																			Outlet	51
		2518	0.49	0.50	0.52	0.53	0.55	0.60	0.65	0.70	0.77	0.84	0.92	1.17					Breakout	50
	8V	**m³ / s**	**1.184**	**1.127**	**1.076**	**1.028**	**0.981**	**0.890**	**0.797**	**0.697**	**0.584**	**0.441**	**0.205**		50.0		1.99	0.435	Inlet	45
																			Outlet	47
		2518	0.33	0.34	0.36	0.38	0.40	0.45	0.50	0.58	0.69	0.90	1.72						Breakout	44
	5V	**m³ / s**	**0.696**	**0.631**	**0.559**	**0.477**	**0.378**								42.2		0.52	0.109	Inlet	32
																			Outlet	32
		2518	0.14	0.16	0.19	0.22	0.28												Breakout	30
	2V	**m³ / s**	**0.235**												39.0		0.19	0.005	Inlet	*20
																			Outlet	*20
		2518	0.02																Breakout	*20

A variable speed drive is integrated within the fan.
Overall total efficiency, r/min and FMEG values are per ISO 12759 installation category D. FLC Amps @ 230V / 1Ph / 50Hz.
Data provided at standard air density of 1.2 kg/m³.
The overall A-weighted sound pressure level is at a distance of 3m with spherical free-field propagation. It is expressed in dB re-20μPa and is presented for comparative purposes only.
* At 2V the average spherical free-field sound pressure levels cannot be accurately measured above the background level in our conventional laboratory facilities. When correctly installed the fan will be inaudible (less than 20dBA).

Elta Fans Limited has a policy of continuous product development and improvement and therefore reserves the right to supply products which may differ from those illustrated and described in this publication. Confirmation of dimensions and data will be supplied on request.

Quietflow SQT DCV

Sound Data

EC

SINGLE Phase - 220V to 240V / 50Hz or 60Hz

Product Code	Control Voltage		Sound Power Level dBW @ Octave Band Hz								Total dB	Silencer dBA Attenation			
			63Hz	125Hz	250Hz	500Hz	1 kHz	2 kHz	4 kHz	8 kHz		300L	600L	900L	1200L
SQTDCV100-1ECL	10V	Inlet	75	79	74	68	55	51	45	41	82	-8	-13	-18	-20
		Outlet	78	75	72	67	60	51	48	45	81	-10	-14	-20	-22
		Breakout	59	59	61	58	55	51	45	42	66	-	-	-	-
	8V	Inlet	74	77	71	65	53	49	44	42	80	-8	-13	-18	-20
		Outlet	76	74	72	65	57	49	45	43	79	-9	-14	-19	-21
		Breakout	59	59	61	58	55	51	45	42	66	-	-	-	-
	5V	Inlet	61	69	60	53	40	38	32	25	70	-7	-11	-16	-18
		Outlet	65	65	60	54	43	37	33	27	69	-8	-13	-18	-20
		Breakout	59	59	61	58	55	51	45	42	66	-	-	-	-
	2V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
SQTDCV125-1ECL	10V	Inlet	82	74	74	71	58	52	47	49	83	-10	-14	-19	-22
		Outlet	80	75	78	70	64	53	49	49	83	-9	-14	-19	-22
		Breakout	54	58	64	62	57	51	43	40	68	-	-	-	-
	8V	Inlet	76	74	73	68	54	50	45	46	80	-9	-14	-19	-22
		Outlet	77	73	73	69	58	50	47	46	80	-10	-15	-20	-22
		Breakout	54	58	64	62	57	51	43	40	68	-	-	-	-
	5V	Inlet	64	67	68	57	41	40	33	29	72	-8	-13	-18	-20
		Outlet	67	64	66	52	44	38	34	29	71	-8	-12	-17	-20
		Breakout	54	58	64	62	57	51	43	40	68	-	-	-	-
	2V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
SQTDCV150-1ECL	10V	Inlet	85	74	73	71	58	54	51	52	86	-9	-13	-16	-19
		Outlet	84	77	75	69	62	54	52	53	85	-8	-12	-15	-18
		Breakout	59	60	66	63	57	51	46	45	69	-	-	-	-
	8V	Inlet	73	72	72	67	55	52	48	49	78	-8	-14	-17	-20
		Outlet	80	76	77	67	59	51	50	50	83	-7	-12	-15	-18
		Breakout	59	60	66	63	57	51	46	45	69	-	-	-	-
	5V	Inlet	66	65	64	57	43	42	39	31	70	-7	-12	-15	-18
		Outlet	70	68	72	54	47	41	42	36	75	-6	-12	-14	-17
		Breakout	59	60	66	63	57	51	46	45	69	-	-	-	-
	2V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
SQTDCV200-1ECL	10V	Inlet	80	77	79	75	63	59	56	55	84 dB	-9	-13	-17	-20
		Outlet	87	83	79	73	64	58	55	55	89 dB	-7	-10	-14	-17
		Breakout	63	66	70	69	62	57	50	41	74 dB	-	-	-	-
	8V	Inlet	77	73	74	70	59	55	53	51	80 dB	-9	-13	-17	-20
		Outlet	83	80	76	70	60	55	53	52	85 dB	-7	-10	-14	-17
		Breakout	61	64	69	65	59	53	47	39	72 dB	-	-	-	-
	5V	Inlet	64	67	65	60	46	44	40	38	71 dB	-8	-11	-15	-18
		Outlet	73	72	68	55	45	42	39	35	76 dB	-5	-9	-12	-15
		Breakout	49	59	59	55	46	42	35	29	63 dB	-	-	-	-
	2V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-

Please contact Elta Fans for full sound data.

Tests and preparation of the sound data have been carried out in accordance with BS 848 Part 2:1985 at 50% peak pressure.
The Sound Power Level Spectra are in dB re-1pW.

Elta Fans Limited has a policy of continuous product development and improvement and therefore reserves the right to supply products which may differ from those illustrated and described in this publication.
Confirmation of dimensions and data will be supplied on request.

Quietflow SQT DCV

Sound Data

EC

SINGLE Phase - 200V to 277V / 50Hz or 60Hz

Product Code	Control Voltage		Sound Power Level dBW @ Octave Band Hz								Total dB	Silencer dBA Attenuation			
			63Hz	125Hz	250Hz	500Hz	1 kHz	2 kHz	4 kHz	8 kHz		300L	600L	900L	1200L
SQTDCV250-1ECL	10V	Inlet	78	73	75	70	59	54	53	51	81	-8	-12	-14	-17
		Outlet	79	75	77	67	60	57	53	51	82	-7	-11	-13	-16
		Breakout	60	63	71	63	56	49	42	37	73	-	-	-	-
	8V	Inlet	75	70	73	66	55	49	48	47	78	-8	-11	-14	-16
		Outlet	76	73	76	62	56	52	49	47	80	-6	-10	-12	-15
		Breakout	58	60	69	60	52	44	37	33	70	-	-	-	-
	5V	Inlet	67	67	58	55	43	37	38	28	70	-6	-9	-11	-14
		Outlet	67	68	57	50	44	39	38	32	71	-5	-8	-10	-12
		Breakout	47	55	50	48	39	32	24	20	57	-	-	-	-
	2V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
SQTDCV315-1ECL	10V	Inlet	75	73	78	69	53	55	50	48	81	-7	-9	-11	-15
		Outlet	77	74	77	70	59	55	52	49	81	-8	-10	-12	-15
		Breakout	66	67	74	65	58	52	46	40	76	-	-	-	-
	8V	Inlet	70	74	68	59	47	49	44	40	76	-6	-8	-10	-12
		Outlet	72	76	63	61	53	49	46	42	78	-5	-8	-10	-12
		Breakout	61	69	64	59	52	46	39	34	71	-	-	-	-
	5V	Inlet	63	71	58	45	35	36	30	17	72	-4	-6	-8	-10
		Outlet	63	67	51	46	40	36	30	17	69	-4	-6	-8	-10
		Breakout	51	58	55	44	38	32	25	19	60	-	-	-	-
	2V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
SQTDCV400-1ECL	10V	Inlet	81	77	87	71	66	62	59	58	88	-5	-8	-10	-13
		Outlet	82	78	80	77	69	65	62	59	86	-8	-11	-13	-16
		Breakout	73	72	79	71	67	61	54	47	81	-	-	-	-
	8V	Inlet	77	79	78	67	59	56	53	50	83	-5	-7	-9	-13
		Outlet	79	79	77	72	63	58	56	52	84	-6	-9	-11	-14
		Breakout	67	71	73	65	60	54	48	42	76	-	-	-	-
	5V	Inlet	67	75	63	51	44	44	40	29	76	-3	-5	-7	-9
		Outlet	69	76	59	55	48	46	41	33	77	-3	-5	-7	-9
		Breakout	58	65	58	50	46	42	35	28	67	-	-	-	-
	2V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
SQTDCV500-1ECL	10V	Inlet	77	84	75	64	59	57	53	52	85 dB	-	-	-	-
		Outlet	78	82	73	71	62	57	54	50	84 dB	-	-	-	-
		Breakout	73	79	73	69	61	54	47	42	81 dB	-	-	-	-
	8V	Inlet	74	77	71	59	53	50	48	48	79 dB	-	-	-	-
		Outlet	75	80	67	65	56	51	49	44	81 dB	-	-	-	-
		Breakout	69	75	67	63	56	48	41	37	77 dB	-	-	-	-
	5V	Inlet	71	63	58	45	38	37	35	26	72 dB	-	-	-	-
		Outlet	72	62	53	51	41	37	34	25	72 dB	-	-	-	-
		Breakout	64	59	54	49	42	35	24	21	66 dB	-	-	-	-
	2V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-

Please contact Elta Fans for full sound data.

Tests and preparation of the sound data have been carried out in accordance with BS 848 Part 2:1985 at 50% peak pressure.
The Sound Power Level Spectra are in dB re-1pW.

Elta Fans Limited has a policy of continuous product development and improvement and therefore reserves the right to supply products which may differ from those illustrated and described in this publication.
Confirmation of dimensions and data will be supplied on request.

Quietflow SQT DCV

Performance, SFP & Electrical Data

EC

THREE Phase - 380V to 415V / 50Hz or 60Hz

Product Code	Control Voltage	Airflow SFP	Airflow m³/s @ Static Pressure Pa.												Overall Efficiency %	FMEG	Motor Electrical Data		dBA @ 3m	
			0	25	50	75	100	150	200	250	300	350	400	500			FLC Amps	Input kW		
SQTDCV500-3ECL	10V	**m³ / s**	**1.819**	**1.797**	**1.774**	**1.751**	**1.727**	**1.677**	**1.625**	**1.570**	**1.512**	**1.453**	**1.392**	**1.265**	51.8	N60	2.29	1.482	Inlet	58
																			Outlet	58
		2518	0.76	0.77	0.79	0.80	0.82	0.85	0.88	0.92	0.97	1.01	1.06	1.17					Breakout	56
	8V	**m³ / s**	**1.480**	**1.443**	**1.407**	**1.373**	**1.340**	**1.274**	**1.208**	**1.141**	**1.072**	**0.997**	**0.916**	**0.710**	52.5		1.32	0.806	Inlet	51
																			Outlet	52
		2518	0.48	0.50	0.52	0.54	0.56	0.60	0.64	0.69	0.74	0.80	0.87	1.10					Breakout	50
	5V	**m³ / s**	**0.875**	**0.827**	**0.775**	**0.719**	**0.656**	**0.505**	**0.292**						47.1		0.47	0.192	Inlet	37
																			Outlet	38
		2518	0.20	0.22	0.24	0.26	0.29	0.37	0.58										Breakout	36
	2V	**m³ / s**	**0.304**												14.8		0.16	0.025	Inlet	*20
																			Outlet	*20
		2518	0.08																Breakout	*20
SQTDCV560-3ECL	10V	**m³ / s**	**2.53**	**2.51**	**2.49**	**2.47**	**2.44**	**2.40**	**2.35**	**2.30**	**2.25**	**2.20**	**2.15**	**2.03**	55.8	N62	4.32	2.84	Inlet	63
																			Outlet	63
		W / (L/s)	0.91	0.92	0.93	0.94	0.95	0.98	1.00	1.03	1.06	1.09	1.13	1.21					Breakout	-
	8V	**m³ / s**	**2.03**	**2.01**	**1.98**	**1.96**	**1.93**	**1.88**	**1.83**	**1.77**	**1.71**	**1.64**	**1.56**	**1.38**	53.1		2.33	1.49	Inlet	56
																			Outlet	57
		W / (L/s)	0.63	0.64	0.66	0.68	0.69	0.72	0.76	0.80	0.84	0.88	0.93	1.06					Breakout	-
	5V	**m³ / s**	**1.21**	**1.17**	**1.13**	**1.08**	**1.02**	**0.90**	**0.71**	**0.37**					48.4		0.72	0.35	Inlet	44
																			Outlet	44
		W / (L/s)	0.26	0.27	0.29	0.31	0.33	0.38	0.48	0.79									Breakout	-
	2V	**m³ / s**	**0.40**	**0.15**											17.0		0.19	0.03	Inlet	20
																			Outlet	18
		W / (L/s)	0.08	0.21															Breakout	-
SQTDCV630-3ECL	10V	**m³ / s**	**3.29**	**3.27**	**3.25**	**3.22**	**3.19**	**3.14**	**3.09**	**3.03**	**2.97**	**2.91**	**2.85**	**2.71**	53.6	N58	5.52	3.60	Inlet	63
																			Outlet	64
		W / (L/s)	0.97	0.98	0.99	1.01	1.02	1.05	1.08	1.11	1.14	1.18	1.22	1.30					Breakout	-
	8V	**m³ / s**	**2.63**	**2.60**	**2.56**	**2.53**	**2.50**	**2.43**	**2.35**	**2.27**	**2.19**	**2.09**	**1.99**	**1.75**	52.9		2.93	1.88	Inlet	58
																			Outlet	59
		W / (L/s)	0.64	0.65	0.66	0.68	0.69	0.73	0.76	0.80	0.84	0.88	0.93	1.06					Breakout	-
	5V	**m³ / s**	**1.56**	**1.50**	**1.43**	**1.36**	**1.29**	**1.11**	**0.87**	**0.42**					47.1		0.84	0.44	Inlet	44
																			Outlet	44
		W / (L/s)	0.26	0.27	0.29	0.31	0.33	0.39	0.49	0.87									Breakout	-
	2V	**m³ / s**	**0.52**	**0.19**											15.5		0.21	0.05	Inlet	23
																			Outlet	22
		W / (L/s)	0.09	0.24															Breakout	-
SQTDCV710-3ECL	10V	**m³ / s**	**4.19**	**4.15**	**4.10**	**4.06**	**4.01**	**3.92**	**3.82**	**3.72**	**3.61**	**3.50**	**3.38**	**3.13**	52.1	N56	5.45	3.73	Inlet	62
																			Outlet	66
		W / (L/s)	0.80	0.81	0.83	0.84	0.86	0.89	0.93	0.97	1.01	1.05	1.10	1.20					Breakout	-
	8V	**m³ / s**	**3.33**	**3.28**	**3.23**	**3.18**	**3.13**	**3.02**	**2.89**	**2.76**	**2.62**	**2.46**	**2.29**	**1.88**	53.3		3.06	2.06	Inlet	57
																			Outlet	59
		W / (L/s)	0.51	0.53	0.55	0.56	0.58	0.62	0.66	0.71	0.76	0.81	0.87	1.03					Breakout	-
	5V	**m³ / s**	**1.98**	**1.89**	**1.80**	**1.69**	**1.58**	**1.29**	**0.85**						49.8		0.89	0.47	Inlet	44
																			Outlet	45
		W / (L/s)	0.20	0.22	0.24	0.26	0.29	0.35	0.48										Breakout	-
	2V	**m³ / s**	**0.67**	**0.16**											19.4		0.24	0.05	Inlet	32
																			Outlet	30
		W / (L/s)	0.06	0.23															Breakout	-

A variable speed drive is integrated within the fan.
Overall total efficiency, r/min and FMEG values are per ISO 12759 installation category D. FLC Amps @ 400V / 3 Ph / 50Hz.
Data provided at standard air density of 1.2 kg/m³.
The overall A-weighted sound pressure level is at a distance of 3m with spherical free-field propagation. It is expressed in dB re-20μPa and is presented for comparative purposes only.
* At 2V the average spherical free-field sound pressure levels cannot be accurately measured above the background level in our conventional laboratory facilities. When correctly installed the fan will be inaudible (less than 20dBA).

Elta Fans Limited has a policy of continuous product development and improvement and therefore reserves the right to supply products which may differ from those illustrated and described in this publication. Confirmation of dimensions and data will be supplied on request.

Quietflow SQT DCV

Sound Data

EC

THREE Phase - 380V to 415V / 50Hz or 60Hz

Product Code	Control Voltage		Sound Power Level dBW @ Octave Band Hz								Total dB
			63Hz	125Hz	250Hz	500Hz	1 kHz	2 kHz	4 kHz	8 kHz	
SQTDCV500-3ECL	10V	Inlet	81	84	86	72	66	65	62	56	89
		Outlet	82	83	83	77	69	65	62	56	88
		Breakout	77	80	81	75	68	61	54	49	85
	8V	Inlet	77	84	76	65	59	57	52	51	85
		Outlet	78	82	74	71	62	57	55	50	84
		Breakout	73	78	74	69	61	54	48	43	81
	5V	Inlet	72	68	63	51	44	46	41	35	74
		Outlet	73	69	59	56	47	44	41	32	75
		Breakout	65	64	60	55	47	43	36	29	68
	2V	Inlet	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-
SQTDCV560-3ECL	10V	Inlet	85	88	90	77	72	70	65	63	63
		Outlet	87	87	87	82	75	71	68	65	63
		Breakout	-	-	-	-	-	-	-	-	-
	8V	Inlet	81	86	81	71	67	64	59	57	56
		Outlet	83	86	77	76	69	65	62	59	57
		Breakout	-	-	-	-	-	-	-	-	-
	5V	Inlet	79	75	71	57	52	50	46	43	44
		Outlet	80	76	64	62	55	51	48	43	44
		Breakout	-	-	-	-	-	-	-	-	-
	2V	Inlet	57	47	47	36	26	22	12	11	20
		Outlet	51	50	40	35	28	23	13	12	18
		Breakout	-	-	-	-	-	-	-	-	-
SQTDCV630-3ECL	10V	Inlet	87	94	86	79	75	72	67	66	63
		Outlet	88	93	85	83	76	72	69	66	64
		Breakout	-	-	-	-	-	-	-	-	-
	8V	Inlet	82	89	81	74	69	66	61	59	58
		Outlet	84	90	80	77	70	65	63	60	59
		Breakout	-	-	-	-	-	-	-	-	-
	5V	Inlet	78	73	69	59	55	53	48	43	44
		Outlet	79	71	65	64	56	51	50	43	44
		Breakout	-	-	-	-	-	-	-	-	-
	2V	Inlet	63	48	44	38	40	29	17	18	23
		Outlet	61	46	42	38	38	28	18	17	22
		Breakout	-	-	-	-	-	-	-	-	-
SQTDCV710-3ECL	10V	Inlet	87	93	85	76	78	71	67	67	62
		Outlet	89	96	85	82	83	71	68	66	66
		Breakout	-	-	-	-	-	-	-	-	-
	8V	Inlet	83	89	80	70	69	64	60	60	57
		Outlet	85	91	82	76	71	65	62	60	59
		Breakout	-	-	-	-	-	-	-	-	-
	5V	Inlet	85	73	67	58	58	50	49	41	44
		Outlet	82	71	66	63	61	51	50	41	45
		Breakout	-	-	-	-	-	-	-	-	-
	2V	Inlet	66	58	53	47	49	42	27	23	32
		Outlet	67	56	51	47	45	42	26	19	30
		Breakout	-	-	-	-	-	-	-	-	-

Please contact Elta Fans for full sound data.

Tests and preparation of the sound data have been carried out in accordance with BS 848 Part 2:1985 at 50% peak pressure.
The Sound Power Level Spectra are in dB re-1pW.

Elta Fans Limited has a policy of continuous product development and improvement and therefore reserves the right to supply products which may differ from those illustrated and described in this publication.
Confirmation of dimensions and data will be supplied on request.

Quietflow SQT DCV

Accessories & Wiring Data

EC

For more information on Accessories & Wiring Diagrams, please see individual product downloads, or visit eltaselect.com/information-centre

SINGLE Phase - 220V to 240V / 50Hz or 60Hz

Product Code	Flexible Connections (each)	Clamps (each)	AV Mounts (set of 4)	Panel Filter	Electric Heater Battery
SQTDCV100-1ECL	018-0100-FLEX	018-100-CLAMP	062-SEL03	018-0100-FILT-P	018-0100-HEAT-1
SQTDCV125-1ECL	018-0125-FLEX	018-125-CLAMP	062-SEL03	018-0125-FILT-P	018-0125-HEAT-1
SQTDCV150-1ECL	018-0150-FLEX	018-150-CLAMP	062-SEL03	018-0150-FILT-P	018-0150-HEAT-1
SQTDCV200-1ECL	018-0200-FLEX	018-200-CLAMP	062-SEL04	018-0200-FILT-P	018-0200-HEAT-1
SQTDCV250-1ECL	018-0250-FLEX	018-250-CLAMP	062-SEL04	018-0250-FILT-P	018-0250-HEAT-1
SQTDCV315-1ECL	018-0315-FLEX	018-315-CLAMP	062-SEL04	018-0315-FILT-P	018-0315-HEA1/3
SQTDCV400-1ECL	018-0400-FLEX	018-400-CLAMP	062-SEL05	018-0400-FILT-P	018-0400-HEA1/3
SQTDCV500-1ECL	018-0500-FLEX	018-500-CLAMP	062-SEL05	018-0500-FILT-P	018-0500-HEAT-3* 018-0500-HEAT-4*

*Both Electric Heater Batteries can be used.

Product Code	Silencer 300mm Long	Silencer 600mm Long	Silencer 900mm Long	Silencer 1200mm Long	Wiring Diagram No.
SQTDCV100-1ECL	068-0100-JF1	068-0100-JF2	068-0100-JF3	068-0100-JF4	152-523
SQTDCV125-1ECL	068-0125-JF1	068-0125-JF2	068-0125-JF3	068-0125-JF4	152-523
SQTDCV150-1ECL	068-0150-JF1	068-0150-JF2	068-0150-JF3	068-0150-JF4	152-523
SQTDCV200-1ECL	068-0200-JF1	068-0200-JF2	068-0200-JF3	068-0200-JF4	152-523
SQTDCV250-1ECL	068-0250-JF1	068-0250-JF2	068-0250-JF3	068-0250-JF4	152-523
SQTDCV315-1ECL	068-0315-JF1	068-0315-JF2	068-0315-JF3	068-0315-JF4	152-523
SQTDCV400-1ECL	068-0400-JF1	068-0400-JF2	068-0400-JF3	068-0400-JF4	152-523
SQTDCV500-1ECL	Please enquire.				152-523

THREE Phase - 380V to 415V / 50Hz or 60Hz

Product Code	Flexible Connections (each)	Clamps (each)	AV Mounts (set of 4)	Panel Filter	Electric Heater Battery
SQTDCV500-3ECL	018-0500-FLEX	018-500-CLAMP	062-SEL05	018-0500-FILT-P	018-0500-HEAT-3* 018-0500-HEAT-4*
SQTDCV560-3ECL	018-0560-FLEX	018-560-CLAMP	062-SEL07	018-0560-FILT-P	-
SQTDCV630-3ECL	018-0630-FLEX	018-630-CLAMP	062-SEL07	018-0630-FILT-P	-
SQTDCV710-3ECL	018-0710-FLEX	018-710-CLAMP	062-SEL07	018-0710-FILT-P	-

Product Code	Silencer 300mm Long	Silencer 600mm Long	Silencer 900mm Long	Silencer 1200mm Long	Wiring Diagram No.
SQTDCV500-3ECL	Please enquire.				152-523
SQTDCV560-3ECL					152-527
SQTDCV630-3ECL					152-527
SQTDCV710-3ECL					152-527

Product Code	Sensors
Can be used with all DCV products.	149-DCV-CBL10
	149-DCV-CO2
	149-DCV-DPT150
	149-DCV-H1
	149-DCV-HRT
	149-DCV-PIR
	149-DCV-TRT
	149-POT-10

Elta Fans Limited has a policy of continuous product development and improvement and therefore reserves the right to supply products which may differ from those illustrated and described in this publication. Confirmation of dimensions and data will be supplied on request.

Quietflow SQT DCV

Optimum Energy Efficiency Point

EC

SINGLE Phase - 220V to 240V / 50Hz or 60Hz

Product Code	Volume m³/s	Pressure Pa	Input kW	Speed r/min	Efficiency %	FMEG
SQTDCV100-1ECL						
SQTDCV125-1ECL						
SQTDCV150-1ECL						
SQTDCV200-1ECL						
SQTDCV250-1ECL						
SQTDCV315-1ECL						
SQTDCV400-1ECL						
SQTDCV500-1ECL						

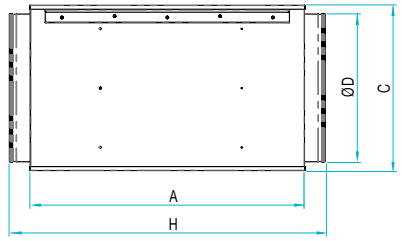
THREE Phase - 380V to 415V / 50Hz or 60Hz

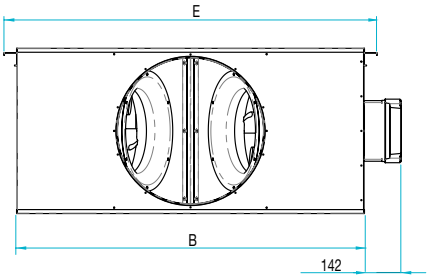
Product Code	Volume m³/s	Pressure Pa	Input kW	Speed r/min	Efficiency %	FMEG
SQTDCV500-3ECL						
SQTDCV560-3ECL						
SQTDCV630-3ECL						
SQTDCV710-3ECL						

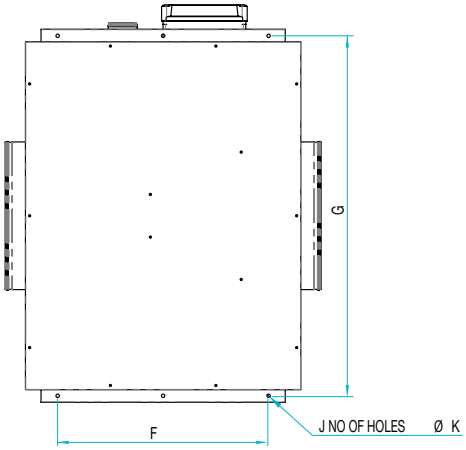
A variable speed drive is integrated within the fan.
Data provided at standard air density of 1.2 kg/m³.
Values are per ISO 12759 installation category D (total).

AC EC

Dimensional Data







Product Code	A	B	C	D	E	F	G	H	J	K	Weight kg
SQTDCV100				100							
SQTDCV125	570	555	261	125	575	537	580	640			28
SQTDCV150				150							
SQTDCV200	602	650	303	200	700	569	680	679	4	8	33
SQTDCV250			333	250				719			39
SQTDCV315	749	864	401	315	914	700	894	866			56
SQTDCV400	846	1018	473	400	1118			1068			86
SQTDCV500	985	1253	602	500	1353	800	1303	1141			124
SQTDCV560-3ECL	1040	1315	627	560	1415		1365	1196	6	13	154
SQTDCV630-3ECL	1156	1475	687	630	1575		1525	1312			190
SQTDCV710-3ECL	1271	1620	769	710	1720	1000	1670	1466			282

All dimensions are expressed in mm.

Elta Fans Limited has a policy of continuous product development and improvement and therefore reserves the right to supply products which may differ from those illustrated and described in this publication. Confirmation of dimensions and data will be supplied on request.

BUILDING SERVICES

Tel: +44 (0) 1384 275800
Fax: +44 (0) 1384 275810
e-mail: bs@eltafans.co.uk

46 Third Avenue
Pensnett Trading Estate
Kingswinford, West Midlands
DY6 7US, United Kingdom

APPLIED TECHNOLOGY

Tel: +44 (0) 1489 566500
Fax: +44 (0) 1489 566555
e-mail: at@eltafans.co.uk

17 Barnes Wallis Road
Segensworth East Industrial Estate
Fareham, Hampshire
PO15 5ST, United Kingdom

EXPORT

Tel: +44 (0) 1489 566500
Fax: +44 (0) 1489 566555
e-mail: export@eltafans.co.uk

17 Barnes Wallis Road
Segensworth East Industrial Estate
Fareham, Hampshire
PO15 5ST, United Kingdom

www.eltafans.com

BS EN ISO 9001:2008
FM 556465

A member of
HEVAC ASSOCIATION

CIBSE
PATRONS

A member of ELTA GROUP LIMITED