ELTA SELECT

Twinflow STD

Product Brochure

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Twinflow STD

Centrifugal Twin Box Fan

centrifugal

OVERVIEW

The Twinflow STD...EC 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 in-line centrifugal twin fans, designed to overcome space restrictions, is suitable for internal mounting.

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QUICK FACTS

- ✓ 11 standard sizes from 100mm to 710mm.
- ✓ Air volume flow rates up to 4.16m³/s (AC) / 4.19m³/s (EC).
- ✓ Static pressures up to 1179 Pa (AC) / 1237 Pa (EC).
- ✓ Suitable for operating temperatures up to +60°C.
- ✓ Extensive stock range available.

CASING

Robust 1.2mm galvanised mild steel sheet casing. The 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. Top & bottom access 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 external 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.

QUALITY MANAGEMENT

Units are to be designed and manufactured with procedures as defined in BS EN ISO 9001:2008.

All STD units are to be tested to ISO 5801:2007 (airside performance) and BS 848 Part 2:1985 (sound performance).

TYPICAL APPLICATIONS

- Toilets
- Bathrooms
- Hotels
- Schools
- Colleges
- Libraries

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Twinflow STD

Performance, SFP & Electrical Data

AC

SINGLE Phase - 220V to 240V / 50Hz

Product Code	Speed r/min	Airflow SFP	Airflow m³/s @ Static Pressure Pa.												Overall Efficiency %	FMEG	Motor Electrical Data		dBA @ 3m	
			0	25	50	100	150	200	250	300	350	400	450	500			FLC Amps	Input kW		
STD100-1AC	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	43
																			Outlet	43
		W / (L/s)	1.00	1.03	1.07	1.12	1.17	1.33	1.56	1.99	3.39								Breakout	36
STD125-1AC	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	45
																			Outlet	44
		W / (L/s)	0.81	0.83	0.86	0.89	0.94	1.07	1.28	1.65	3.18								Breakout	37
STD150-1AC	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	45
																			Outlet	47
		W / (L/s)	0.65	0.68	0.71	0.75	0.79	0.91	1.11	1.54	2.95								Breakout	38
STD200-1AC	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	52
																			Outlet	51
		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	43
STD250-1AC	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	54
																			Outlet	52
		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	47
STD315-1AC	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	41
																			Outlet	41
		W / (L/s)	0.39	0.41	0.44	0.48	0.53	0.69	1.04	4.25									Breakout	38
STD400-1AC	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	47
																			Outlet	48
		W / (L/s)	0.38	0.39	0.42	0.44	0.48	0.56	0.67	0.81	1.09	4.60							Breakout	43
STD500-1AC	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	49
																			Outlet	50
		W / (L/s)	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	48

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.

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Twinflow STD

Sound Data

AC

SINGLE Phase - 220V to 240V / 50Hz

Product Code		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
STD100-1AC	Inlet	63	72	70	60	50	49	48	43	75	-9	-14	-19	-21
	Outlet	69	68	69	60	57	51	48	44	74	-11	-16	-21	-23
	Breakout	51	52	60	52	52	46	41	31	62	-	-	-	-
STD125-1AC	Inlet	65	68	70	65	52	51	48	45	74	-10	-16	-20	-23
	Outlet	72	66	70	60	58	53	47	39	75	-10	-15	-20	-22
	Breakout	48	51	60	55	52	47	43	38	62	-	-	-	-
STD150-1AC	Inlet	71	69	70	64	53	53	51	47	75	-8	-14	-17	-20
	Outlet	75	71	73	61	60	55	51	46	78	-8	-13	-16	-19
	Breakout	54	55	62	55	53	48	43	37	64	-	-	-	-
STD200-1AC	Inlet	76	75	77	71	62	58	57	56	81	-8	-12	-16	-19
	Outlet	77	77	74	71	63	59	56	54	82	-9	-13	-17	-20
	Breakout	59	63	66	62	58	53	49	47	70	-	-	-	-
STD250-1AC	Inlet	80	75	80	72	64	60	58	57	84	-8	-12	-14	-17
	Outlet	78	77	75	71	66	63	58	56	82	-9	-13	-15	-18
	Breakout	57	63	72	66	61	54	47	45	74	-	-	-	-
STD315-1AC	Inlet	66	74	64	56	46	47	44	35	75	-5	-7	-9	-11
	Outlet	68	74	57	58	55	49	45	36	75	-6	-8	-10	-12
	Breakout	60	69	61	56	51	45	38	31	70	-	-	-	-
STD400-1AC	Inlet	73	79	71	63	57	57	55	49	81	-5	-7	-9	-12
	Outlet	75	79	65	67	60	57	55	48	81	-6	-8	-10	-13
	Breakout	62	71	63	61	58	53	49	47	73	-	-	-	-
STD500-1AC	Inlet	76	82	73	63	59	58	55	55	83	-	-	-	-
	Outlet	75	82	70	69	63	60	57	53	83	-	-	-	-
	Breakout	73	77	70	66	61	55	50	47	79	-	-	-	-

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.
Please contact Elta Fans for full sound data.

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Twinflow STD

Performance, SFP & Electrical Data

AC

THREE Phase - 380V to 415V / 50Hz

Product Code	Speed r/min	Airflow SFP	Airflow m³/s @ Static Pressure Pa.												Overall Efficiency %	FMEG	Motor Electrical Data			dBA @ 3m	
			0	25	50	100	150	200	250	300	350	400	450	500			FLC Amps	Input kW	△ / Y		
STD560-3AC	1333	**m³ / s**	**1.93**	**1.90**	**1.86**	**1.83**	**1.79**	**1.71**	**1.63**	**1.54**	**1.44**	**1.34**	**1.23**	**0.96**	39.1	N48	2.42	1.34	3 Ph △	Inlet	56
																				Outlet	58
		W / (L/s)	0.61	0.63	0.65	0.67	0.69	0.74	0.79	0.85	0.91	0.99	1.07	1.32						Breakout	-
	1055	**m³ / s**	**1.57**	**1.52**	**1.48**	**1.43**	**1.38**	**1.26**	**1.14**	**0.99**	**0.83**	**0.66**	**0.49**	**0.17**	28.9		1.50	0.91	3 Ph Y	Inlet	51
																				Outlet	53
		W / (L/s)	0.54	0.56	0.58	0.61	0.64	0.71	0.79	0.91	1.07	1.31	1.70	4.08						Breakout	-
STD630-3AC	1165	**m³ / s**	**2.50**	**2.45**	**2.40**	**2.35**	**2.30**	**2.20**	**2.08**	**1.96**	**1.83**	**1.69**	**1.54**	**1.20**	35.1	N42	3.53	1.85	3 Ph △	Inlet	57
																				Outlet	60
		W / (L/s)	0.67	0.69	0.71	0.73	0.75	0.80	0.86	0.92	1.00	1.08	1.19	1.49						Breakout	-
	749	**m³ / s**	**1.63**	**1.55**	**1.46**	**1.37**	**1.27**	**1.03**	**0.79**	**0.58**	**0.41**	**0.26**	**0.15**		19.9		1.63	0.86	3 Ph Y	Inlet	46
																				Outlet	49
		W / (L/s)	0.49	0.52	0.55	0.59	0.65	0.80	1.04	1.39	1.91	2.81	4.85							Breakout	-
STD710-3AC	1363	**m³ / s**	**4.16**	**4.12**	**4.08**	**4.03**	**3.99**	**3.90**	**3.81**	**3.71**	**3.61**	**3.51**	**3.40**	**3.17**	45.3	N49	6.92	4.32	3 Ph △	Inlet	64
																				Outlet	68
		W / (L/s)	0.91	0.93	0.95	0.96	0.98	1.02	1.06	1.10	1.14	1.19	1.24	1.34						Breakout	-
	1114	**m³ / s**	**3.53**	**3.45**	**3.38**	**3.31**	**3.24**	**3.10**	**2.97**	**2.83**	**2.69**	**2.54**	**2.38**	**2.02**	34.6		4.80	3.08	3 Ph Y	Inlet	59
																				Outlet	63
		W / (L/s)	0.80	0.83	0.86	0.88	0.91	0.96	1.02	1.08	1.14	1.21	1.29	1.49						Breakout	-

Overall total efficiency, r/min and FMEG values are per ISO 12759 installation category D. FLC Amps @ 400V / 3Ph / 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.

Sound Data

THREE Phase - 380V to 415V / 50Hz

Product Code	Δ / Y		Sound Power Level dBW @ Octave Band Hz								Total dB
			63Hz	125Hz	250Hz	500Hz	1 kHz	2 kHz	4 kHz	8 kHz	
STD560-3AC	Δ	Inlet	81	88	80	70	67	66	63	62	89
		Outlet	82	89	77	77	71	68	65	61	90
		Breakout	-	-	-	-	-	-	-	-	-
	Y	Inlet	77	83	75	64	61	60	58	57	85
		Outlet	78	86	70	71	65	62	60	57	87
		Breakout	-	-	-	-	-	-	-	-	-
STD630-3AC	Δ	Inlet	82	89	80	70	70	68	66	64	90
		Outlet	84	88	80	79	73	69	67	63	90
		Breakout	-	-	-	-	-	-	-	-	-
	Y	Inlet	80	74	70	59	59	58	57	51	81
		Outlet	81	74	68	68	63	59	57	50	82
		Breakout	-	-	-	-	-	-	-	-	-
STD710-3AC	Δ	Inlet	89	94	86	78	78	75	73	72	96
		Outlet	92	93	87	87	83	79	76	73	97
		Breakout	-	-	-	-	-	-	-	-	-
	Y	Inlet	85	88	82	73	73	70	68	67	91
		Outlet	88	87	84	82	78	74	71	68	92
		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.

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Twinflow STD

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	Electronic Controller	Transformer Controller	Flexible Connections (each)	Clamps (each)	AV Mounts (set of 4)	Panel Filter	Electric Heater Battery	Auto Changeover Panels
								Standard
STD100-1AC	149-EL31	149-TC12	018-0100-FLEX	018-100-CLAMP	062-SEL03	018-0100-FILT-P	018-0100-HEAT-1	149-ACO18
STD125-1AC	149-EL31	149-TC12	018-0125-FLEX	018-125-CLAMP	062-SEL03	018-0125-FILT-P	018-0125-HEAT-1	149-ACO18
STD150-1AC	149-EL31	149-TC12	018-0150-FLEX	018-150-CLAMP	062-SEL03	018-0150-FILT-P	018-0150-HEAT-1	149-ACO18
STD200-1AC	149-EL31	149-TC12	018-0200-FLEX	018-200-CLAMP	062-SEL04	018-0200-FILT-P	018-0200-HEAT-1	149-ACO18
STD250-1AC	149-EL31	149-TC12	018-0250-FLEX	018-250-CLAMP	062-SEL04	018-0250-FILT-P	018-0250-HEAT-1	149-ACO18
STD315-1AC	149-EL31	149-TC12	018-0315-FLEX	018-315-CLAMP	062-SEL04	018-0315-FILT-P	018-0315-HEA1/3	149-ACO18
STD400-1AC	149-EL31	149-TC12	018-0400-FLEX	018-400-CLAMP	062-SEL05	018-0400-FILT-P	018-0400-HEA1/3	149-ACO18
STD500-1AC	149-EL61	149-TC14	018-0500-FLEX	018-500-CLAMP	062-SEL05	018-0500-FILT-P	018-0500-HEAT-3 018-0500-HEAT-4	149-ACO18

Product Code	Silencer 300mm Long	Silencer 600mm Long	Silencer 900mm Long	Silencer 1200mm Long	Wiring Diagram No.
STD100-1AC	068-0100-JF1	068-0100-JF2	068-0100-JF3	068-0100-JF4	152-2177
STD125-1AC	068-0125-JF1	068-0125-JF2	068-0125-JF3	068-0125-JF4	152-2177
STD150-1AC	068-0150-JF1	068-0150-JF2	068-0150-JF3	068-0150-JF4	152-2177
STD200-1AC	068-0200-JF1	068-0200-JF2	068-0200-JF3	068-0200-JF4	152-2177
STD250-1AC	068-0250-JF1	068-0250-JF2	068-0250-JF3	068-0250-JF4	152-2177
STD315-1AC	068-0315-JF1	068-0315-JF2	068-0315-JF3	068-0315-JF4	152-2177
STD400-1AC	068-0400-JF1	068-0400-JF2	068-0400-JF3	068-0400-JF4	152-2177
STD500-1AC	Please enquire.				152-2177

THREE Phase - 380V to 415V / 50Hz

Product Code	ACO Panel	Transformer Controller	AV Mounts (set of 4)	Flexible Connections (each)	Clamps (each)	Silencer 300mm Long	Silencer 600mm Long	Silencer 900mm Long	Silencer 1200mm Long	Wiring Diagram No.
STD560-3AC	149-ACO3/B	149-TC33	062-SEL07	018-0560-FLEX	018-560-CLAMP	Please enquire.				152-108
STD630-3AC	149-ACO3/B	149-TC33	062-SEL07	018-0630-FLEX	018-630-CLAMP					152-108
STD710-3AC	149-ACO3/B	149-TC310	062-SEL07	018-0710-FLEX	018-710-CLAMP					152-108

Optimum Energy Efficiency Point

SINGLE Phase - 220V to 240V / 50Hz

Product Code	Volume m³/s	Pressue Pa	Input kW	Speed r/min	Efficiency %	FMEG
STD100-1AC	0.047	219	0.073	2510	14.1	-
STD125-1AC	0.058	214	0.074	2517	16.7	-
STD150-1AC	0.069	201	0.074	2479	18.7	-
STD200-1AC	0.121	285	0.152	2543	22.6	N41
STD250-1AC	0.177	293	0.217	2424	23.8	N41
STD315-1AC	0.228	155	0.157	1263	22.5	N41
STD400-1AC	0.380	238	0.287	1379	31.5	N47
STD500-1AC	0.690	280	0.632	1214	30.5	N43

THREE Phase - 380V to 415V / 50Hz

Product Code	Volume m³/s	Pressue Pa	Input kW	Speed r/min	Efficiency %	FMEG
STD560-3AC	1.110	461	1.308	1331	39.1	N48
STD630-3AC	1.443	444	1.827	1165	35.1	N42
STD710-3AC	2.376	792	4.151	1363	45.3	N49

Data provided at standard air density of 1.2 kg/m³.
Values are per ISO 12759 installation category D (total).

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Twinflow STD

Performance, SFP & Electrical Data

EC

SINGLE Phase - 200V to 277V / 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	100	150	200	250	300	350	400	450	500			FLC Amps	Input kW		
STD100-1EC	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	51
																			Outlet	52
		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	44
	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
STD125-1EC	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	52
																			Outlet	54
		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	45
	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
STD150-1EC	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	53
																			Outlet	53
		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	46
	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
STD200-1EC	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	57
																			Outlet	57
		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	51
	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)

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Twinflow STD

Performance, SFP & Electrical Data

EC

SINGLE Phase - 200V to 277V / 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	100	150	200	250	300	350	400	450	500			FLC Amps	Input kW		
STD250-1EC	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	52
																			Outlet	52
		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	47
	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
STD315-1EC	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	54
																			Outlet	53
		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	50
	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	0.051	Inlet	*20
																			Outlet	*20
		W / (L/s)	0.16																Breakout	*20
STD400-1EC	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	59
																			Outlet	62
		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	55
	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
ST500-1EC	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	54
		W / (L/s)	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	53
	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
		W / (L/s)	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
		W / (L/s)	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
		W / (L/s)	0.02																Breakout	*20

A variable speed drive is integrated within the fan.
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Twinflow STD

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
STD100-1EC	10V	Inlet	73	78	76	70	60	57	56	53	81	-10	-15	-20	-22
		Outlet	76	76	73	70	68	60	53	49	81	-13	-18	-23	-25
		Breakout	58	61	63	61	61	54	51	48	68	-	-	-	-
	8V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
	5V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
	2V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
STD125-1EC	10V	Inlet	79	77	77	72	62	60	56	55	83	-10	-15	-20	-23
		Outlet	80	74	78	72	69	61	56	55	83	-11	-16	-21	-24
		Breakout	58	58	66	63	60	56	51	48	69	-	-	-	-
	8V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
	5V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
	2V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
STD150-1EC	10V	Inlet	82	76	76	72	63	63	60	57	84	-9	-14	-18	-20
		Outlet	79	75	76	71	69	63	60	57	82	-11	-16	-19	-22
		Breakout	60	61	67	66	61	57	52	48	71	-	-	-	-
	8V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
	5V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
	2V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
STD200-1EC	10V	Inlet	83	79	78	77	69	65	62	64	86	-10	-14	-18	-21
		Outlet	86	83	80	76	71	66	62	60	89	-9	-13	-16	-19
		Breakout	65	65	71	71	66	61	56	54	76	-	-	-	-
	8V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
	5V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
	2V	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.
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Twinflow STD

Sound Data

EC

SINGLE Phase - 220V to 240V / 50Hz

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
STD250-1EC	10V	Inlet	79	74	77	71	62	59	57	56	82	-8	-12	-14	-17
		Outlet	80	77	76	69	65	62	58	55	83	-8	-12	-14	-17
		Breakout	61	65	72	65	61	57	46	43	74	-	-	-	-
	8V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
	5V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
	2V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
STD315-1EC	10V	Inlet	76	76	81	71	63	60	58	55	83	-7	-10	-12	-15
		Outlet	78	76	77	73	65	62	59	55	83	-9	-11	-14	-17
		Breakout	68	70	74	69	64	59	52	50	77	-	-	-	-
	8V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
	5V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
	2V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
STD400-1EC	10V	Inlet	83	80	86	74	70	69	67	65	89	-6	-9	-11	-14
		Outlet	84	80	82	83	75	73	68	65	89	-10	-12	-15	-19
		Breakout	74	73	79	73	69	66	59	59	82	-	-	-	-
	8V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
	5V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
	2V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
STD500-1EC	10V	Inlet	78	83	75	66	63	61	58	56	85	-	-	-	-
		Outlet	77	81	74	73	68	64	60	56	84	-	-	-	-
		Breakout	74	79	76	72	67	61	54	52	82	-	-	-	-
	8V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
	5V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-
	2V	Inlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-	-	-

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Twinflow STD

Performance, SFP & Electrical Data

EC

THREE Phase - 380V to 480V / 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	100	150	200	250	300	350	400	450	500			FLC Amps	Input kW		
STD500-3EC	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	60
		W / (l/s)	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	57
	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	-
																			Outlet	-
		W / (l/s)	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	-
	5V	m³ / s	0.875	0.827	0.775	0.719	0.656	0.505	0.292						47.1		0.47	0.192	Inlet	-
																			Outlet	-
		W / (l/s)	0.20	0.22	0.24	0.26	0.29	0.37	0.58										Breakout	-
	2V	m³ / s	0.304												14.8		0.16	0.025	Inlet	-
																			Outlet	-
		W / (l/s)	0.08																Breakout	-
STD560-3EC	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	65
																			Outlet	66
		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	-
																			Outlet	-
		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	-
																			Outlet	-
		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	-
																			Outlet	-
		W / (l/s)	0.08	0.21															Breakout	-
STD630-1EC	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	65
																			Outlet	67
		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	-
																			Outlet	-
		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	-
																			Outlet	-
		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	0.21	Inlet	-
																			Outlet	-
		W / (l/s)	0.09	0.24															Breakout	-
STD710-1EC	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	65
																			Outlet	67
		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	-
																			Outlet	-
		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	-
																			Outlet	-
		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	-
																			Outlet	-
		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 @ 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.
Please contact Elta Fans for full sound data.

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Confirmation of dimensions and data will be supplied on request.

Twinflow STD

Sound Data

EC

THREE Phase - 380V to 480V / 50Hz or 60Hz

Product Code	Control Voltage		Sound Power Level dBW @ Octave Band Hz								Total dB	1DENP	2DENP
			63Hz	125Hz	250Hz	500Hz	1 kHz	2 kHz	4 kHz	8 kHz			
STD500-3EC	10	Inlet	81	84	84	72	70	68	64	61	88	-7	-13
		Outlet	82	81	81	79	74	70	66	61	87	-9	-15
		Breakout	79	82	81	76	71	65	60	54	86	-	-
	8	Inlet	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-
	5	Inlet	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-
	2	Inlet	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-
STD560-3EC	10	Inlet	86	89	92	78	75	75	72	68	95	-8	-12
		Outlet	88	87	89	84	79	77	74	70	94	-8	-13
		Breakout	-	-	-	-	-	-	-	-	-	-	-
	8	Inlet	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-
	5	Inlet	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-
	2	Inlet	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-
STD630-1EC	10	Inlet	90	93	87	80	78	76	74	73	96	-8	-12
		Outlet	90	90	85	86	82	78	76	73	95	-9	-13
		Breakout	-	-	-	-	-	-	-	-	-	-	-
	8	Inlet	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-
	5	Inlet	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-
	2	Inlet	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-
STD710-1EC	10	Inlet	91	94	88	81	79	76	75	74	97	-8	-12
		Outlet	92	92	87	85	82	78	76	73	96	-9	-13
		Breakout	-	-	-	-	-	-	-	-	-	-	-
	8	Inlet	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-
	5	Inlet	-	-	-	-	-	-	-	-	-	-	-
		Outlet	-	-	-	-	-	-	-	-	-	-	-
		Breakout	-	-	-	-	-	-	-	-	-	-	-
	2	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.
Please contact Elta Fans for full sound data.

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Twinflow STD

Accessories & Wiring Data

EC

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

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

Product Code	Electronic Controller	Flexible Connections (each)	Clamps (each)	AV Mounts (set of 4)	Panel Filter	Electric Heater Battery	Auto Changeover Panels
							Standard
STD100-1EC	149-POT-10	018-0100-FLEX	018-100-CLAMP	062-SEL03	018-0100-FILT-P	018-0100-HEAT-1	149-ACO14E
STD125-1EC	149-POT-10	018-0125-FLEX	018-125-CLAMP	062-SEL03	018-0125-FILT-P	018-0125-HEAT-1	149-ACO14E
STD150-1EC	149-POT-10	018-0150-FLEX	018-150-CLAMP	062-SEL03	018-0150-FILT-P	018-0150-HEAT-1	149-ACO14E
STD200-1EC	149-POT-10	018-0200-FLEX	018-200-CLAMP	062-SEL04	018-0200-FILT-P	018-0200-HEAT-1	149-ACO14E
STD250-1EC	149-POT-10	018-0250-FLEX	018-250-CLAMP	062-SEL04	018-0250-FILT-P	018-0250-HEAT-1	149-ACO14E
STD315-1EC	149-POT-10	018-0315-FLEX	018-315-CLAMP	062-SEL04	018-0315-FILT-P	018-0315-HEA1/3	149-ACO14E
STD400-1EC	149-POT-10	018-0400-FLEX	018-400-CLAMP	062-SEL05	018-0400-FILT-P	018-0400-HEA1/3	149-ACO14E
STD500-1EC	149-POT-10	018-0500-FLEX	018-500-CLAMP	062-SEL05	018-0500-FILT-P	018-0500-HEAT-3 018-0500-HEAT-4	149-ACO14E

Product Code	Silencer 300mm Long	Silencer 600mm Long	Silencer 900mm Long	Silencer 1200mm Long	Wiring Diagram No.
STD100-1EC	068-0100-JF1	068-0100-JF2	068-0100-JF3	068-0100-JF4	152-000236
STD125-1EC	068-0125-JF1	068-0125-JF2	068-0125-JF3	068-0125-JF4	152-000236
STD150-1EC	068-0150-JF1	068-0150-JF2	068-0150-JF3	068-0150-JF4	152-000236
STD200-1EC	068-0200-JF1	068-0200-JF2	068-0200-JF3	068-0200-JF4	152-000236
STD250-1EC	068-0250-JF1	068-0250-JF2	068-0250-JF3	068-0250-JF4	152-000236
STD315-1EC	068-0315-JF1	068-0315-JF2	068-0315-JF3	068-0315-JF4	152-000244
STD400-1EC	068-0400-JF1	068-0400-JF2	068-0400-JF3	068-0400-JF4	152-000244
STD500-1EC	Please enquire.				152-000244

THREE Phase - 380V to 480V / 50Hz or 60Hz

Product Code	Electronic Controller	Flexible Connections (each)	Clamps (each)	AV Mounts (set of 4/6*)	Panel Filter	Electric Heater Battery	Auto Changeover Panels
							Standard
STD500-3EC	149-POT-10	018-0500-FLEX	018-500-CLAMP	062-SEL05	018-0500-FILT-P	018-0500-HEAT-3 018-0500-HEAT-4	149-ACO3/B
STD560-3EC	149-POT-10	018-0560-FLEX	018-560-CLAMP	062-SEL07*	-	-	149-ACO3/B
STD630-3EC	149-POT-10	018-0630-FLEX	018-630-CLAMP	062-SEL07*	-	-	149-ACO3/B
STD710-3EC	149-POT-10	018-0710-FLEX	018-710-CLAMP	062-SEL07*	-	-	149-ACO3/B

Product Code	Silencer 300mm Long	Silencer 600mm Long	Silencer 900mm Long	Silencer 1200mm Long	Wiring Diagram No.
STD500-3EC	Please enquire.				152-2MOE03K3
STD560-3EC					152-2MOE03K3
STD630-3EC					152-2MOE03K3
STD710-3EC					152-2MOE03K3

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Twinflow STD

Optimum Energy Efficiency Point

EC

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

Product Code	Volume m³/s	Pressure Pa	Input kW	Speed r/min	Efficiency %	FMEG
STD100-1EC	0.065	428	0.132	3467	24.0	N43
STD125-1EC	0.075	377	0.134	3445	24.3	N43
STD150-1EC	0.083	395	0.133	3450	28.2	N47
STD200-1EC	0.152	452	0.238	3348	32.8	N49
STD250-1EC	0.177	274	0.185	2390	29.8	N48
STD315-1EC	0.359	417	0.397	2011	42.0	N56
STD400-1EC	0.608	617	0.874	2201	46.9	N57
STD500-1EC	0.768	439	0.753	1429	49.1	N60

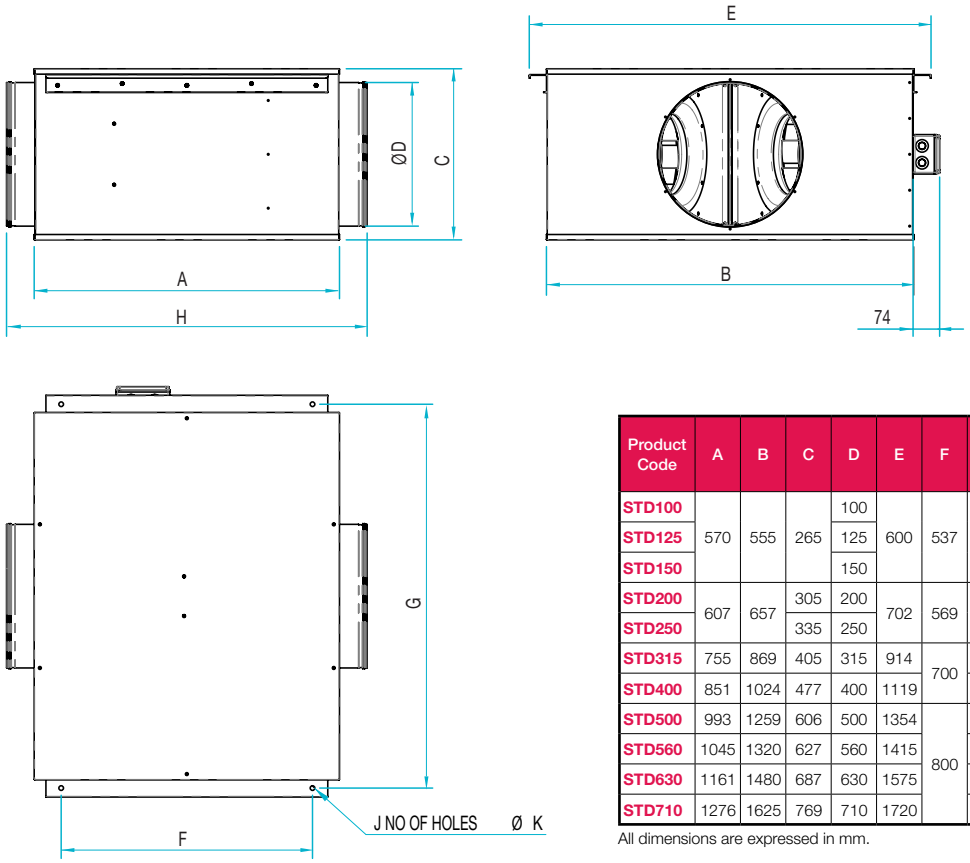
Data provided at standard air density of 1.2 kg/m³.
Values are per ISO 12759 installation category D (total).
A variable speed drive is integrated within the fan.

THREE Phase - 380V to 480V / 50Hz or 60Hz

Product Code	Volume m³/s	Pressure Pa	Input kW	Speed r/min	Efficiency %	FMEG
STD500-3EC	1.007	701	1.466	1800	51.8	N60
STD560-3EC	1.583	831	2.499	1798	55.8	N62
STD630-3EC	2.049	878	3.525	1619	53.6	N58
STD710-3EC	2.392	761	3.665	1332	52.1	N56

AC EC

Dimensional Data



Product Code	A	B	C	D	E	F	G	H	J	K	Weight kg
STD100	570	555	265	100	600	537	580	642	4	8	26
STD125				125							
STD150				150							
STD200	607	657	305	200	702	569	682	679			32
STD250			335	250							35
STD315	755	869	405	315	914	700	894	867			55
STD400	851	1024	477	400	1119		1069	1003		13	77
STD500	993	1259	606	500	1354	800	1304	1145	6		116
STD560	1045	1320	627	560	1415		1365	1196			134
STD630	1161	1480	687	630	1575		1525	1312			169
STD710	1276	1625	769	710	1720		1670	1466			252

All dimensions are expressed in mm.

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