

POWERBOX FANS ESTOC TARGE

PRODUCT FACTS

- Air flow up to 5.7 m³/s
- Static pressures up to 1400 Pa
- Speed controllable external rotor motors
- Multiple outlet orientations motor located out of air stream
- Air discharged at 90 degrees
- DW172 compliant for solid fuel cooking applications

ELECTRICAL SUPPLY

220-240V/50Hz/1 ϕ & 380-420V/50Hz/3 ϕ

TEMPERATURE RANGE

Up to 110°C depending on size, see electrical data table on next page for more information.

SIZES

355, 400, 450, 500, 560 and 630 mm

CONSTRUCTION

The Estoc Targe casing is galvanized and made from sheet steel with PentaPost Construction and acoustic insulation made from fibre glass with a thickness of 20 mm.

Can be horizontal or vertical mounted with weather proof hood and has removable side panels. Drip tray included as standard.

IMPELLER

The Estoc Targe is equipped with high efficiency backward curved centrifugal impellers made of aluminium.

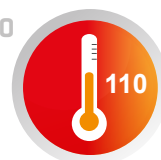
MOTOR

Motor is situated out of air stream. The impellers together with the external rotor motors are dynamically balanced to quality standard G2,5 DIN ISO 19410.

SPEED CONTROLLER

Speed is variable using auto transformers and inverter control with auxiliary electronic control option and includes a integrated emergency switch.

UP TO



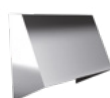
PRODUCT CODE

Estoc Targe 50-355-3

- ESTOC TARGE - Product Name
- 50 = Box Size ie, 50 = 500mm; 67 = 670mm;
80 = 800mm; 102 = 1020mm
- 355 = Spigot Diameter size (mm)
- 1 = 1 ϕ or 3 = 3 ϕ

ACCESSORIES (Pages 238-248) - CONTROLLERS (Pages 249-297)

The range of accessories include dampers, flexible connectors, service doors, outlet covers, guards, side covering and insulating connections. A quick reference guide is shown below.



SOC



STP



SWR



SFC



Mounting
track/SMT



Electronic
Controller



Controls
Transformer



Controls
Inverter



PERFORMANCE & ELECTRICAL DATA

220-240V/50Hz/1 ϕ & 380-420V/50Hz/3 ϕ

PERFORMANCE TABLE

Product Code	m ³ /s @ Pa (Static)											
	0	50	100	150	200	250	300	350	400	450	500	550
Estoc Targe 50-355-1	0.8	0.73	0.66	0.6	0.53	0.45	0.35	0.23	0.08			
Estoc Targe 67-400-1	1.28	1.2	1.12	1.03	0.94	0.84	0.74	0.62	0.49	0.31	0.09	
Estoc Targe 67-450-1	1.78	1.71	1.64	1.57	1.49	1.41	1.32	1.22	1.12	1.01	0.89	0.75

Product Code	m ³ /s @ Pa (Static)													
	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300
Estoc Targe 50-355-3	0.85	0.72	0.53	0.32	0.05									
Estoc Targe 67-400-3	1.24	1.08	0.87	0.65	0.36									
Estoc Targe 67-450-3	1.8	1.66	1.51	1.35	1.15	0.89	0.52							
Estoc Targe 80-500-3	2.49	2.33	2.16	1.98	1.77	1.54	1.25	0.82	0.22					
Estoc Targe 80-560-3	3.22	3.06	2.89	2.71	2.52	2.31	2.08	1.8	1.35	0.64				
Estoc Targe 80-630-3	4.05	3.91	3.76	3.62	3.46	3.29	3.1	2.89	2.67	2.42	2.13	1.72	0.88	0.06
Estoc Targe 102-630-3	5.75	5.56	5.38	5.18	4.98	4.77	4.53	4.27	3.98	3.64	3.26	2.82	2.34	1.76

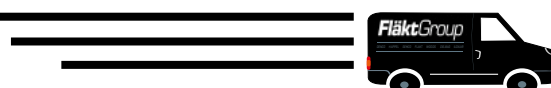
PRODUCT AND ELECTRICAL DETAILS

Product Code	Product Number	Speed rpm	Motor Frame	Electrical Supply	Electrical Current			Wiring Diagrams	**Speed Controllers		Maximum Operating Temp°C	Breakout *Sound Level db(A) (3m)
					Motor (kW)	Full Load Current (A)	Starting Current (A)		Electronic	Transformer		
Estoc Targe 50-355-1	GF503551	1360	Integral	220-240 V/50 Hz/1 Ph	0.3	1.4	3.5	CD3006	ME1.3	TEID 1.5	110	35
Estoc Targe 67-400-1	GF674001	1270	Integral	220-240 V/50 Hz/1 Ph	0.5	2.2	4.8	CD3006	ME1.3	TEID 2.2	90	39
Estoc Targe 67-450-1	GF674501	1380	Integral	220-240 V/50 Hz/1 Ph	1	5.4	12	CD3006	ME1.6	TEID 5	80	44

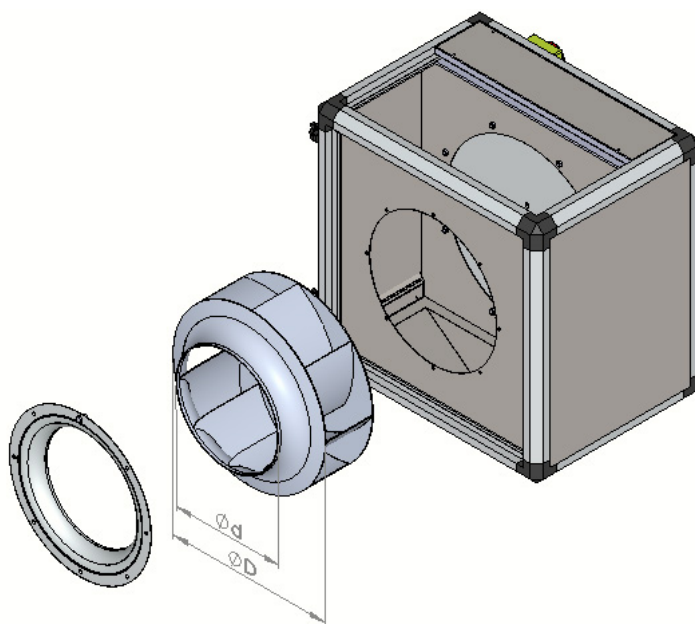
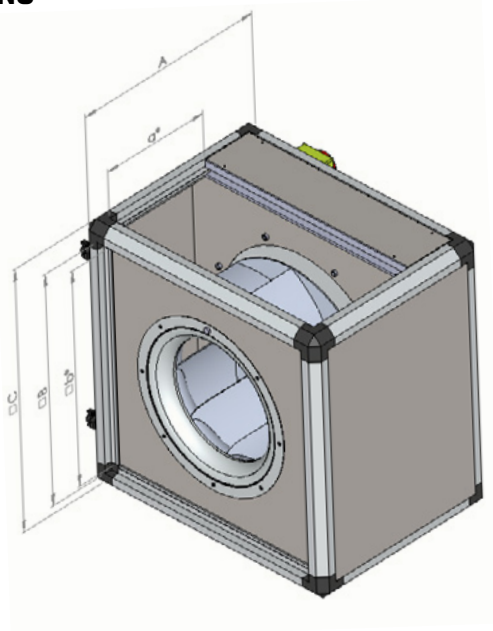
Product Code	Product Number	Speed rpm	Motor Frame	Electrical Supply	Electrical Current			Wiring Diagrams	**Speed Controllers		Maximum Operating Temp°C	Breakout *Sound Level db(A) (3m)
					Motor (kW)	Full Load Current (A)	Starting Current (A)		Transformer	Inverter		
Estoc Targe 50-355-3	GF503553	1360	Integral	380-420 V/50 Hz/3 Ph	0.3	0.7	2.6	CD3031	TDID 2.5	IDDXF54 2.2	110	35
Estoc Targe 67-400-3	GF674003	1240	Integral	380-420 V/50 Hz/3 Ph	0.5	1	2.8	CD3031	TDID 2.5	IDDXF54 2.2	100	38
Estoc Targe 67-450-3	GF674503	1380	Integral	380-420 V/50 Hz/3 Ph	0.9	1.8	8.8	CD3031	TDID 2.5	IDDXF54 2.2	100	44
Estoc Targe 80-500-3	GF805003	1380	Integral	380-420 V/50 Hz/3 Ph	1.5	3	15	CD3032	TDID 4	IDDXF54 3.7	90	47
Estoc Targe 80-560-3	GF805607	1410	Integral	380-420 V/50 Hz/3 Ph	2.5	7	25	CD3032	TDID 8	IDDXF54 7.2	100	49
Estoc Targe 80-630-3	GF806303	1445	Integral	380-420 V/50 Hz/3 Ph	4.4	8	46	CD3032	-	IDDXF54 9	90	53
Estoc Targe 102-630-3	GF106303	1460	Integral	380-420 V/50 Hz/3 Ph	6	11	62.6	CD3032	-	IDDXF54 12	75	91

*Sound power levels are average dBA at 3 metres distance over sphere, under free field conditions and are presented for comparative purposes only. Values shown are those at the mid-point of the performance curve. **For speed controllers, please see pages 219-267. For ErP efficiency ratings and grades please refer to our Fan Selector for more information.

Products in **bold** are available from our UK Distributors on next day delivery, if ordered by 4pm. Please call to confirm availability on 01206 222 580.



DRAWINGS AND DIMENSIONS



Product Code	A	a*	B	b*	C	Ø D	Ø d	Weight Max (kg)
ESTOC TARGE 50-355	420	190	410	380	500	365	228	36
ESTOC TARGE 67-400	500	230	580	550	670	404	257	55
ESTOC TARGE 67-450	500	230	580	550	670	545	289	62
ESTOC TARGE 80-500	590	310	710	680	800	504	325	95
ESTOC TARGE 80-560	740	310	710	680	800	570	362	100
ESTOC TARGE 80-630	800	310	710	680	800	640	410	105
ESTOC TARGE 102-630	880	370	930	900	1020	640	410	165

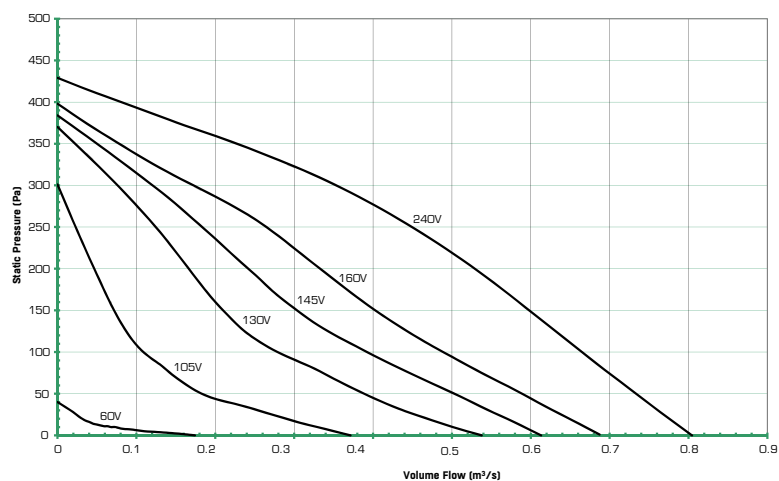
All dimensions shown in mm

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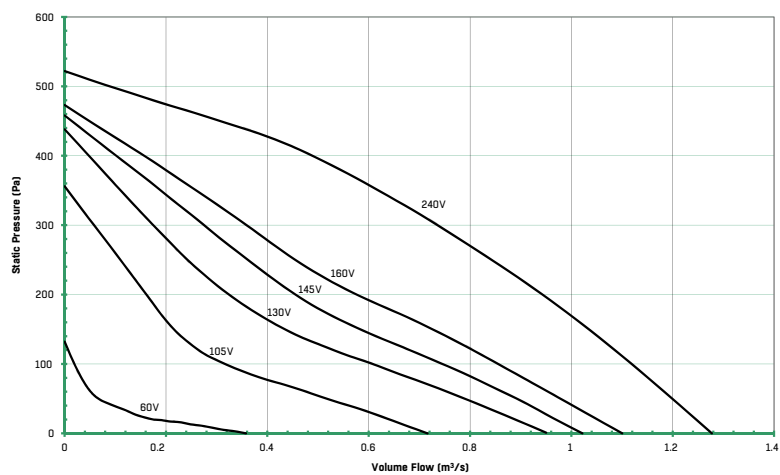


PERFORMANCE CHARTS

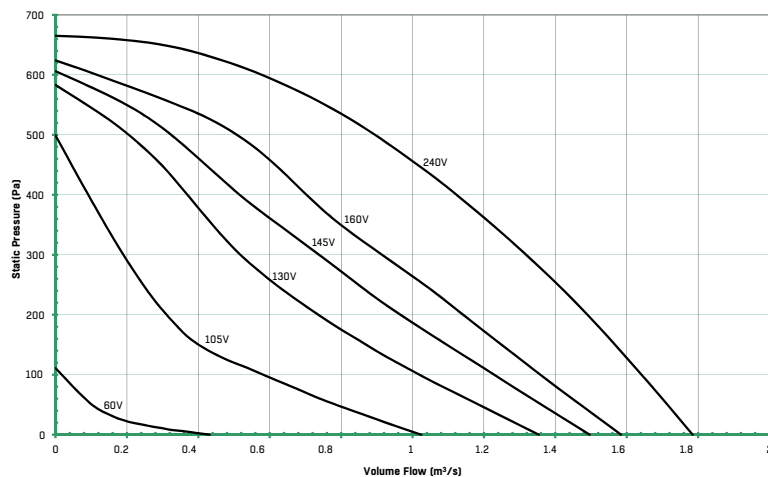
ESTOC TARGE 50-355-1 - GF503551



ESTOC TARGE 67-400-1 - GF674001

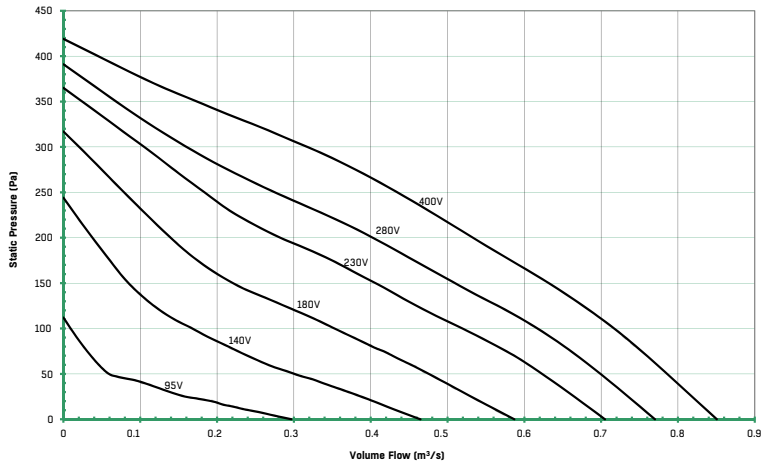


ESTOC TARGE 67-450-1 - GF674501

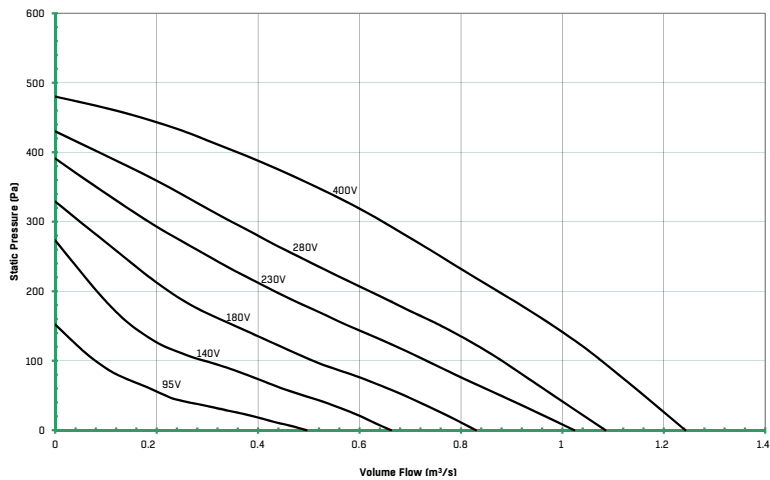


PERFORMANCE CHARTS

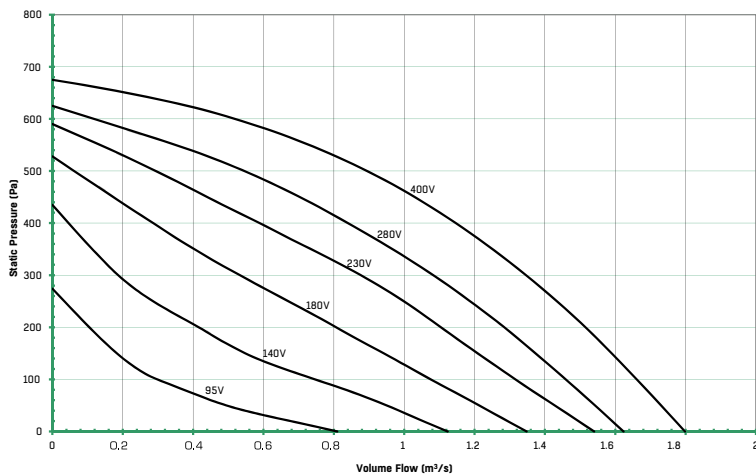
ESTOC TARGE 50-355-3 - GF503553



ESTOC TARGE 67-400-3 - GF674003

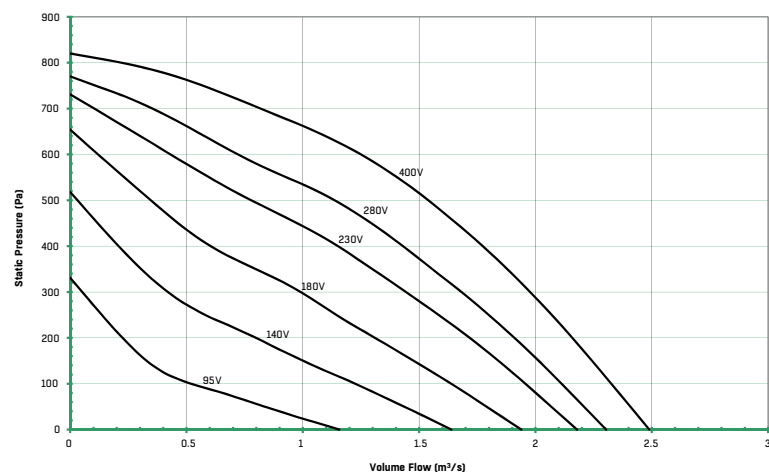


ESTOC TARGE 67-450-3 - GF674503

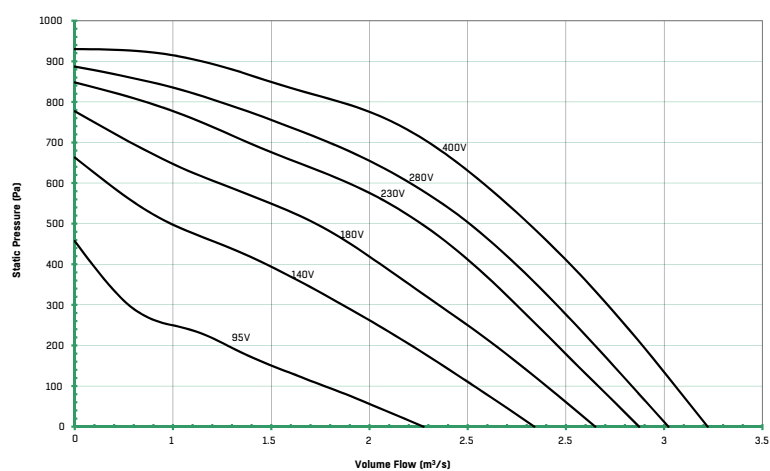


PERFORMANCE CHARTS

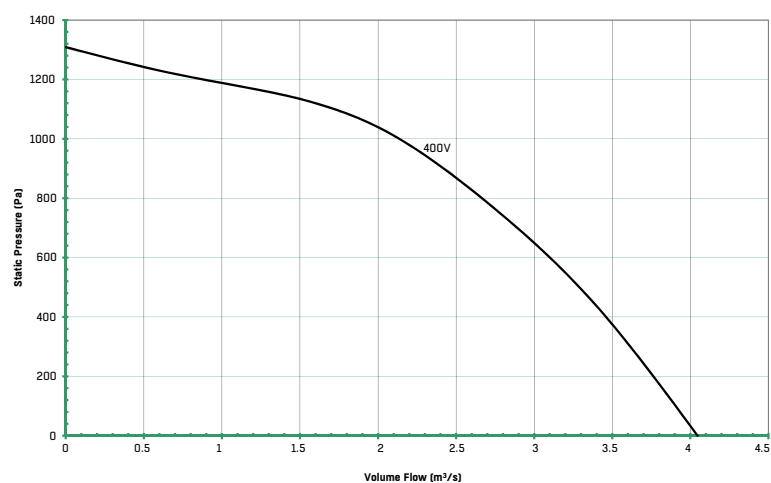
ESTOC TARGE 80-500-3 - GF805003



ESTOC TARGE 80-560-3 - GF805607

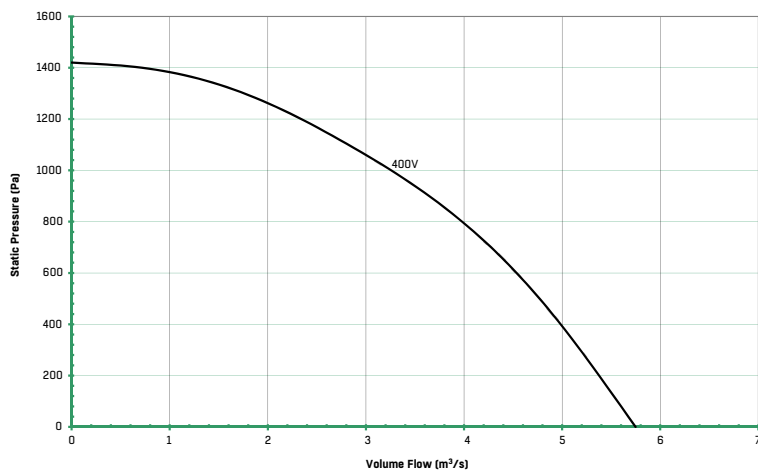


ESTOC TARGE 80-630-3 - GF806303



PERFORMANCE CHARTS

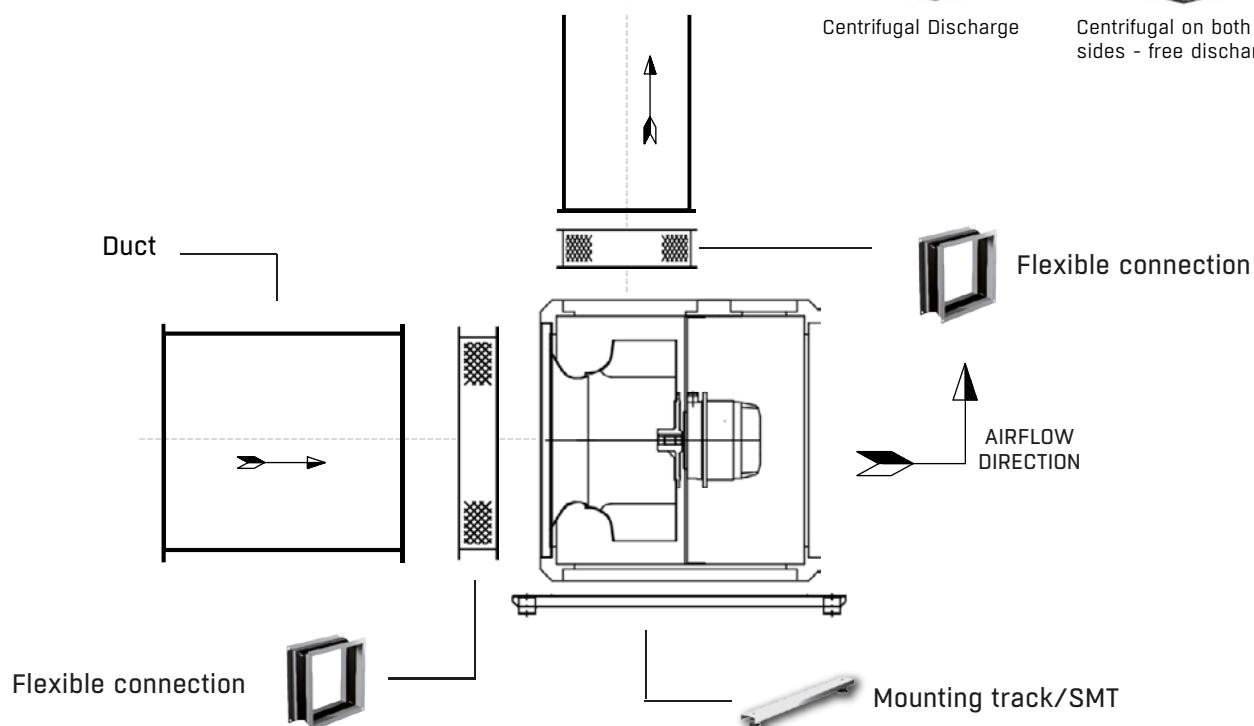
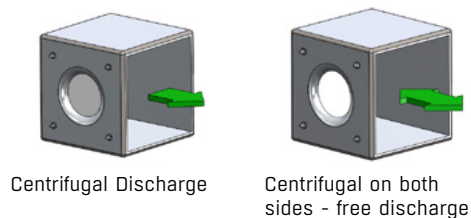
ESTOC TARGE 102-630-3 - GF106303



INSTALLATION GUIDE

Outdoor installation PowerBox GF Estoc Targe
Axial air flow (90° discharge available)

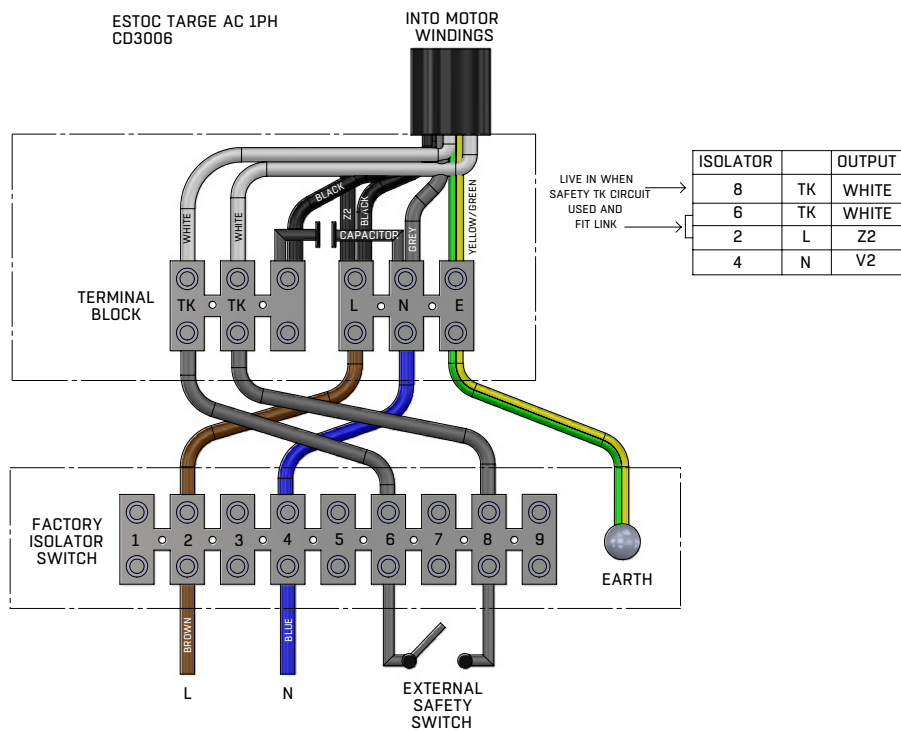
All accessories supplied separately



When the Estoc Targe is used externally with a horizontal outlet an additional weather roof/cowl is available if required.

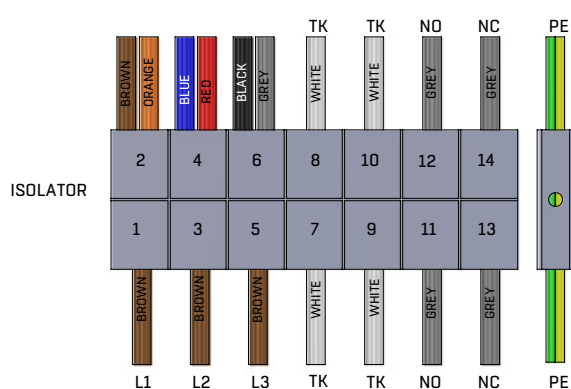
WIRING DIAGRAMS - ESTOC TARGE

CD3006



CD3031

355-450



CD3032

500-630

