POWERBOX FANS - ESTOC

FEATURES

- Sizes from 355 to 710 mm diameter
- Air flow up to 5.2 m^3/s
- Static pressures up to 1130 Pa
- Speed controllable external rotor motors
- Multiple outlet orientations
- All panels interchangeable to offer flexible outlet position

ELECTRICAL SUPPLY

220-240V/50Hz/1ϕ
380-420V/50Hz/3ϕ

TEMPERATURE RANGE

Maximum temperature from +40°C to +70°C (depending on the model)

SIZES

355, 400, 450, 500, 560, 630 and 710.

FEATURES AND CONSTRUCTION

The Estoc casing is made from galvanized sheet steel with PentaPost construction and acoustic insulation made from mineral wool with a thickness of 20 mm.

IMPELLER

The Estoc has a backward curved centrifugal impellers made of plastic with galvanised steel support plates for those up to 450 mm. Fans with a diameter of 500 mm and larger have high efficiency backward curved centrifugal impellers made of aluminium.

MOTOR

The impellers together with the external rotor motors are dynamically balanced to quality standard G2,5 DIN ISO 19410

SPEED CONTROLLERS

Speed is 100% infinitely variable using auto transformers or inverter control (please see pages 219-267).

NB; Performance reduction in straight through configuration. Please refer to performance curve

PRODUCT CODE

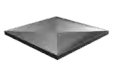
Estoc 50-355-3

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

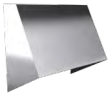
ACCESSORIES (Pages 143-150) - **CONTROLLERS** (Pages 219-267)

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.


SFC


SWR


CIG


SOC


Mounting track/SMT


Controls Inverter


Controls Transformer

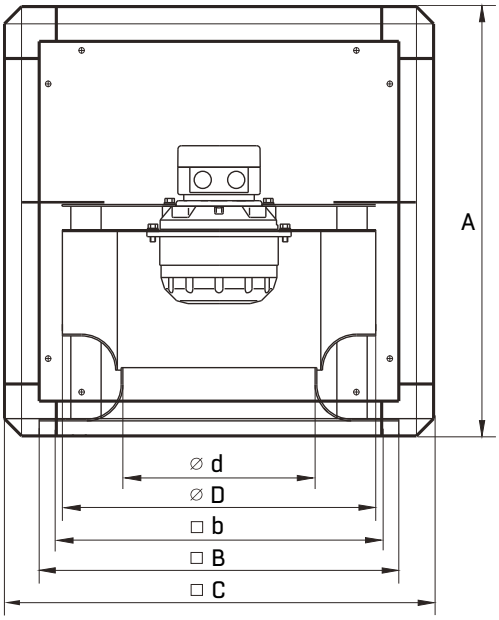
PRODUCT AND ELECTRICAL DETAILS

Product Code	Product Number	Speed rpm	Motor Frame	Electrical Supply	Electrical Current			Wiring Diagrams	**Speed Controllers	Maximum Operating Temp°C	Breakout
					Motor (kW)	Full Load Current (A)	Starting Current (A)		Transformer		*Sound Level db(A) (3m)
ESTOC 50-355-1	**UB503514**	**1325**	**Integral**	**220-240 V-50 Hz-1 Ph**	**0.29**	**1.25**	**2.5**	**CD3028**	**TEID 1.5**	**55**	**33**
ESTOC 67-400-1	**UB674414**	**1360**	**Integral**	**220-240 V-50 Hz-1 Ph**	**0.53**	**2.4**	**4.9**	**CD3028**	**TEID 2.2**	**45**	**45**
ESTOC 67-450-1	**UB674514**	**1270**	**Integral**	**220-240 V-50 Hz-1 Ph**	**0.76**	**3.5**	**7.35**	**CD3028**	**TEID 3.5**	**45**	**41**
ESTOC 67-500-1	**UB675514**	**1310**	**Integral**	**220-240 V-50 Hz-1 Ph**	**1.57**	**7.3**	**16.79**	**CD3028**	**TEID 7.5**	**40**	**45**
ESTOC 50-355-3	BI101216	1355	Integral	380-420V-50 Hz-3 Ph	0.3	0.66	2.18	CD3030	IDDXF54 2.2	50	34
ESTOC 67-400-3	BI101217	1335	Integral	380-420V-50 Hz-3 Ph	0.48	0.9	2.88	CD3030	IDDXF54 2.2	50	37
ESTOC 67-450-3	**BI101218**	**1240**	**Integral**	**380-420V-50 Hz-3 Ph**	**0.67**	**1.33**	**3.46**	**CD3030**	**IDDXF54 2.2**	**50**	**37**
ESTOC 67-500-3	**BI101219**	**1380**	**Integral**	**380-420V-50 Hz-3 Ph**	**1.8**	**3.7**	**17.76**	**CD3030**	**IDDXF54 3.7**	**40**	**44**
ESTOC 80-560-3	**BI101220**	**1350**	**Integral**	**380-420V-50 Hz-3 Ph**	**2.5**	**4.8**	**20.16**	**CD3030**	**IDDXF54 5.3**	**40**	**47**
ESTOC 80-630-3	**BI101221**	**1380**	**Integral**	**380-420V-50 Hz-3 Ph**	**3.65**	**6.6**	**27.72**	**CD3030**	**IDDXF54 7.2**	**45**	**55**
ESTOC 102-710-3	**BI101222**	**890**	**Integral**	**380-420V-50 Hz-3 Ph**	**2.45**	**4.7**	**18.8**	**CD3030**	**IDDXF54 5.3**	**45**	**49**

*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.

DRAWING AND DIMENSIONS



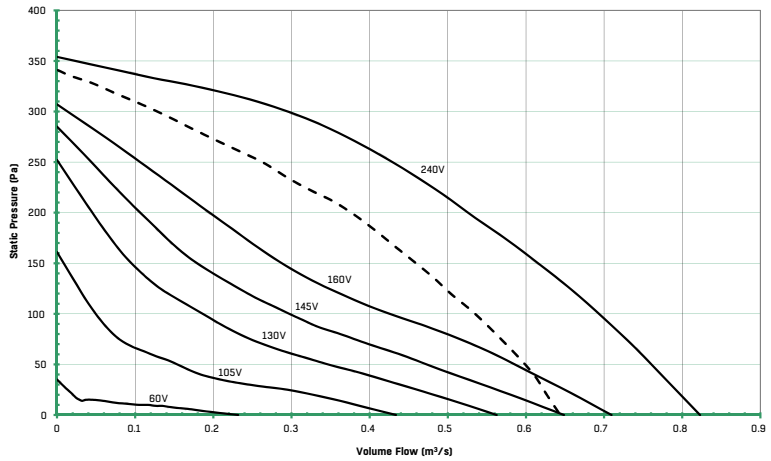
Product Code	A	B	b	C	Ø D	Ø d	Weight max (kg)
ESTOC 50-355	500	450	420	500	365	224	33
ESTOC 67-400	670	620	590	670	404	253	49
ESTOC 67-450	670	620	590	670	454	286	58
ESTOC 67-500	670	620	590	670	504	321	66
ESTOC 80-560	800	720	690	800	570	361	95
ESTOC 80-630	800	720	690	800	634	407	105
ESTOC 102-710	1020	940	910	1020	718	438	157

All dimensions shown in mm

Products in **bold** are available from our UK Distributors on next day delivery, if ordered by 4pm. Please call to confirm availability on 01206 222 555.

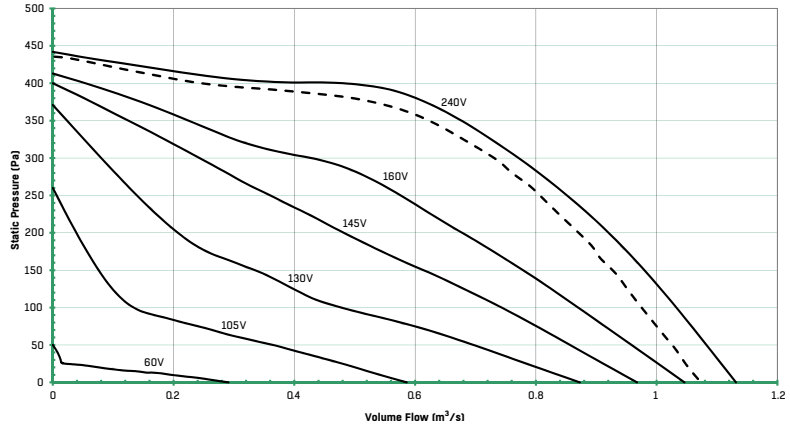
PERFORMANCE CHARTS

ESTOC 50-355-1 - UB503514

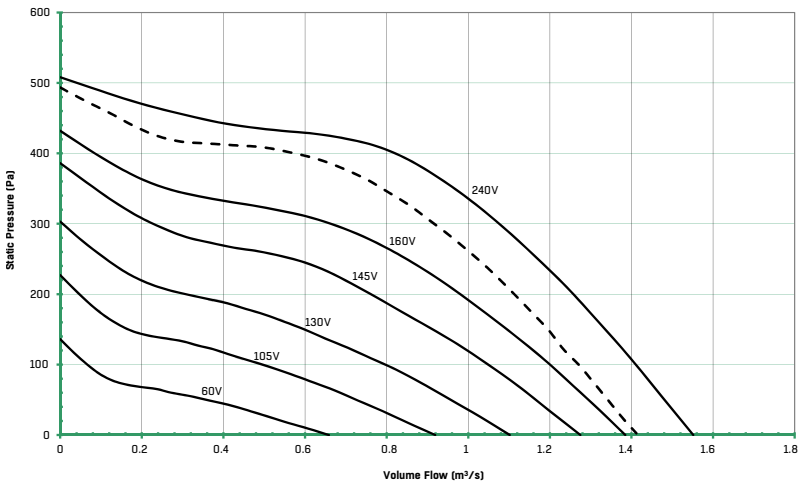


Please note : -The dotted line represents the unit configured for straight through (axial Airflow) at'full speed'.

ESTOC 67-400-1 - UB674414

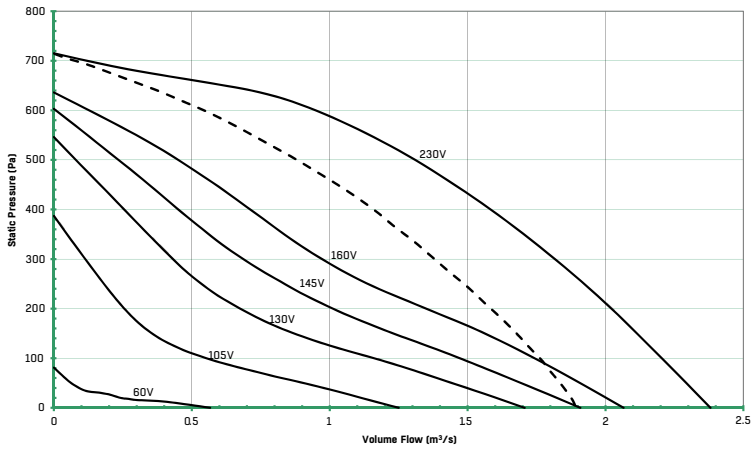


ESTOC 67-450-1 UB674514



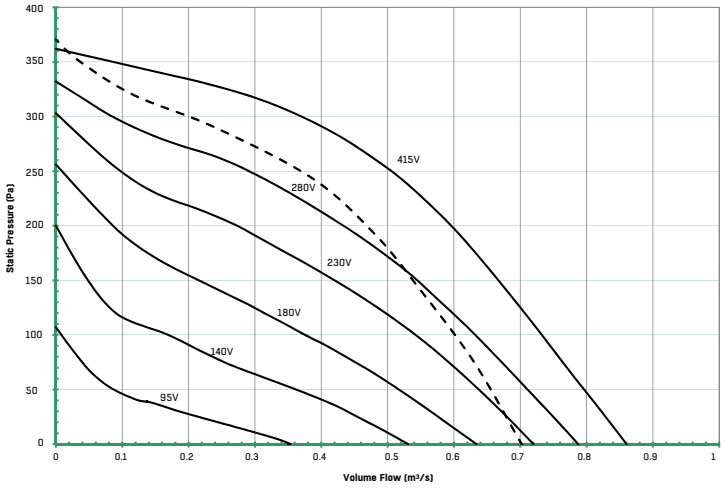
PERFORMANCE CHARTS

ESTOC 67-500-1 - UB675514

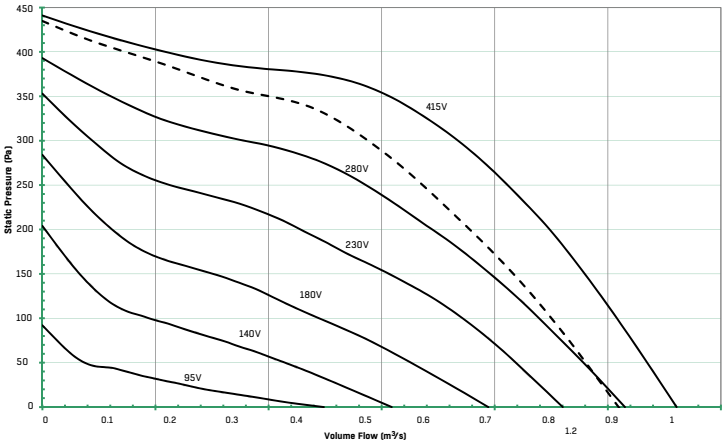


Please note : -The dotted line represents the unit configured for straight through (axial Airflow) at'full speed'.

ESTOC 50-355-3 - BI101216

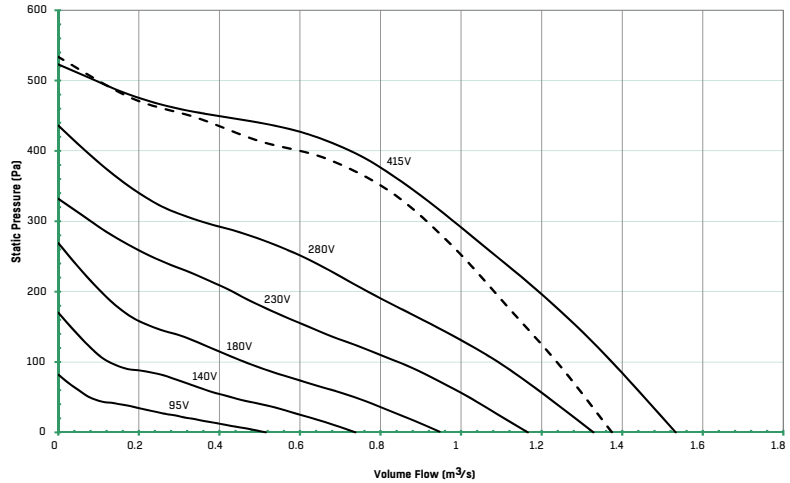


ESTOC 67-400-3 - BI101217



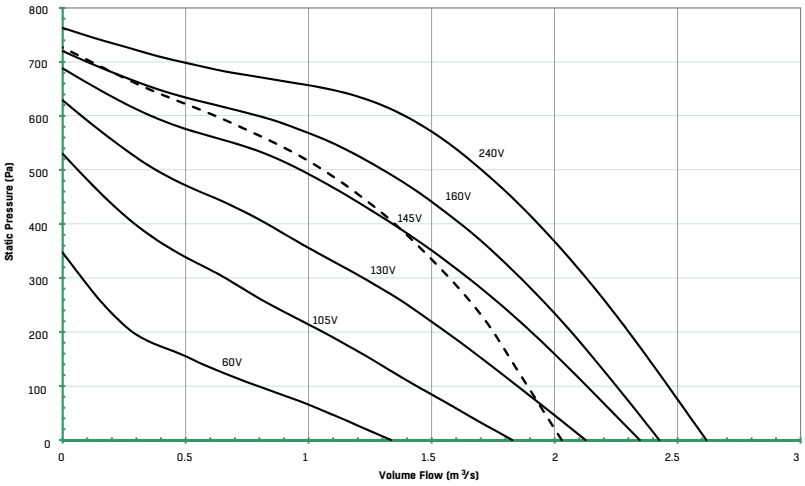
PERFORMANCE CHARTS

ESTOC 67-450-3 - BI101218

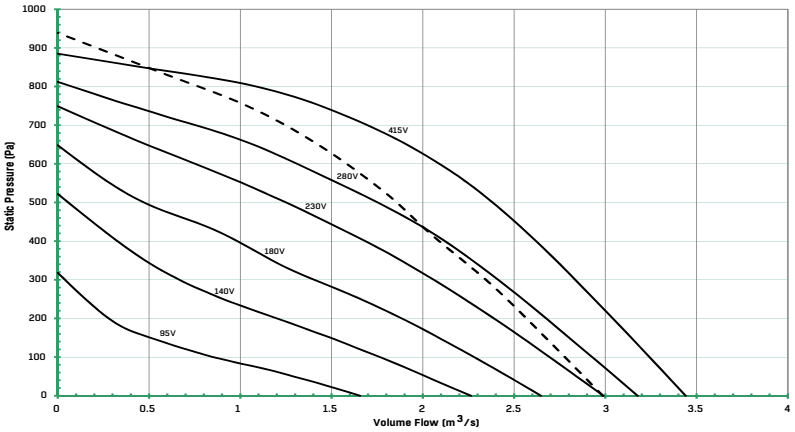


Please note : -The dotted line represents the unit configured for straight through (axial Airflow) at'full speed'.

ESTOC 67-500-3 - BI101219

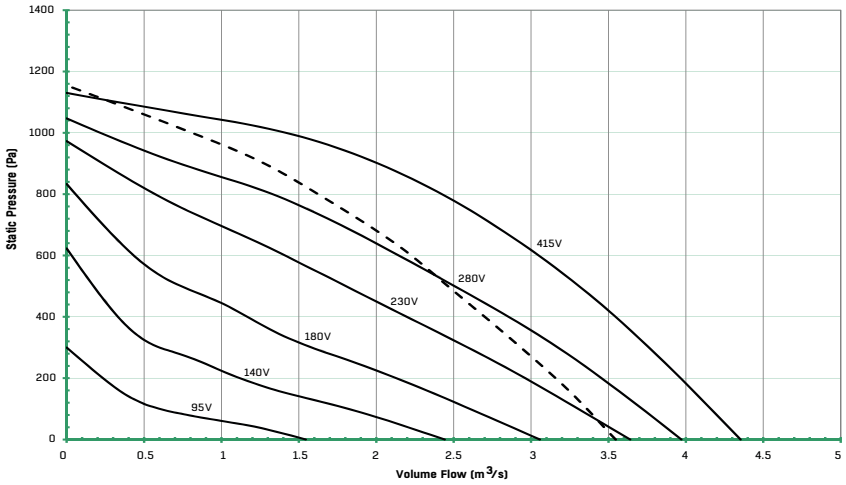


ESTOC 80-560-3 - BI101220



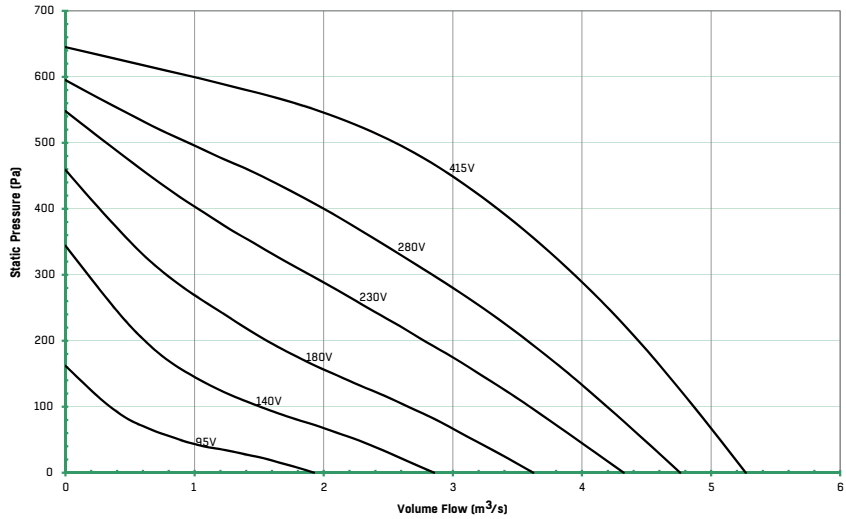
PERFORMANCE CHARTS

ESTOC 80-630-3 - BI101221



Please note : -The dotted line represents the unit configured for straight through (axial Airflow) at'full speed'.

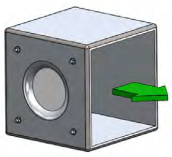
ESTOC 102-710-3 - BI101222

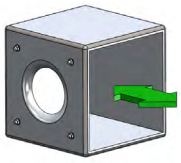


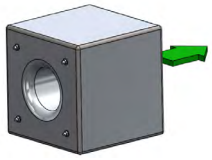
Please note: Performance curve is at rated voltage, shown at in-line axial air flow within Estoc Unit.

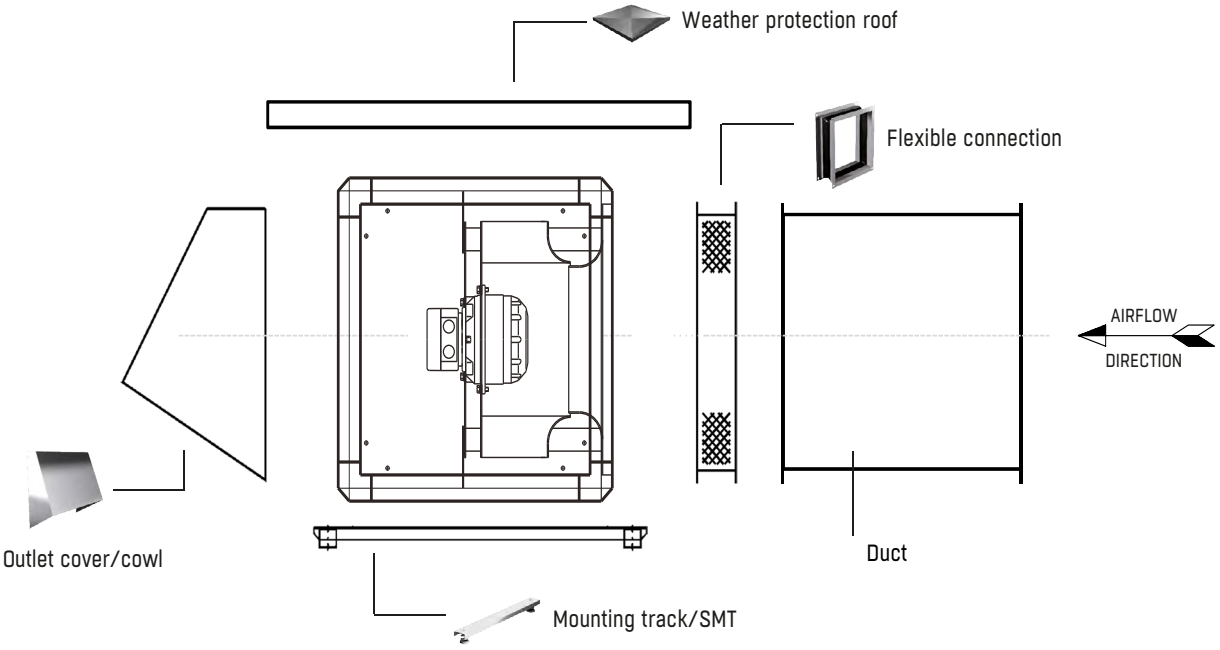
INSTALLATION GUIDE

Outdoor installation PowerBox Estoc
Axial air flow (90° discharge available)
All accessories supplied separately


Centrifugal Discharge

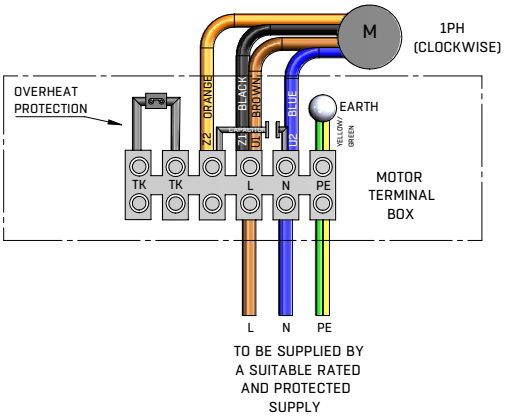

Centrifugal on both sides - free discharge


Axial Discharge

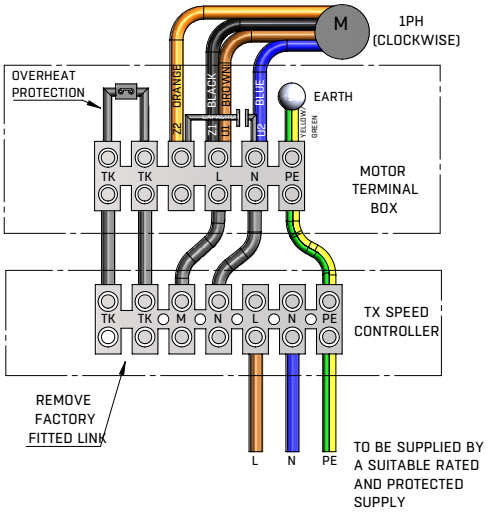


WIRING DIAGRAMS - ESTOC

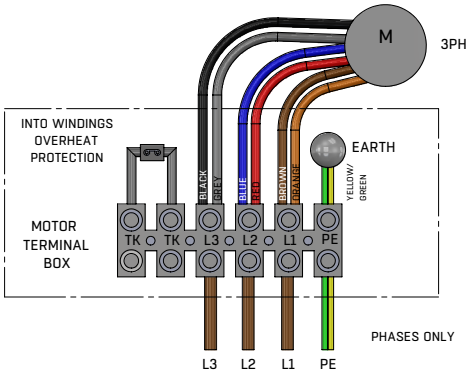
CD3028

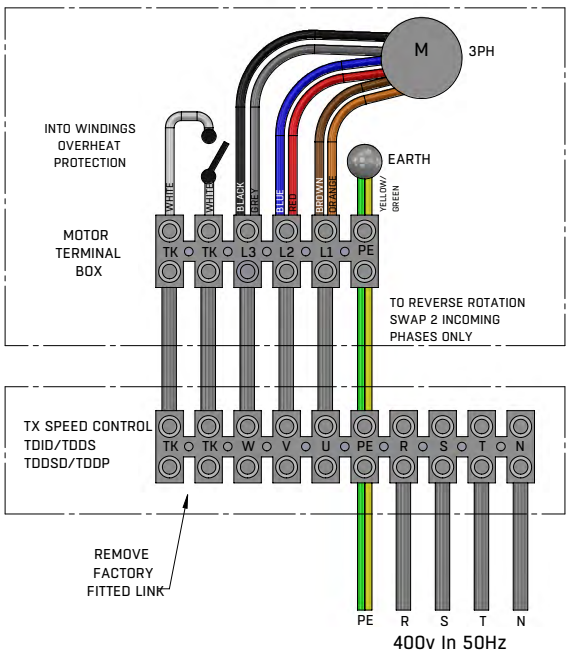


FACTORY CONFIGURATION
(CLOCKWISE ROTATION)



CD3030





Woods
A Fläkt Woods Brand

FläktWoods

ALSO AVAILABLE FROM THE **WOODS** RANGE


JMv Aerofoil


MaXfan²


JM Aerofoil


HT JM Aerofoil

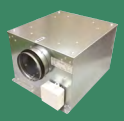

JM Bifurcated

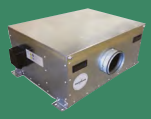

Series 33

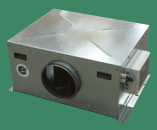

Plate Fans


Cased & Plate Axial Accessories


Tube Fans


Sabina EC Box Fans

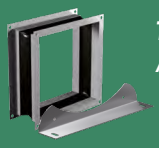

Daisho AC Box Fans


Daisho EC Box Fans

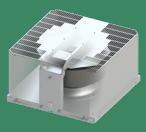

Estoc


Estoc Targe


Estoc EC


Tube & Box Accessories


Roof Units Horizontal


Roof Units Vertical


Fire Dampers


Iris Dampers


Fire Valves


Valves Supply KE


Valves Extract KK


Valves Exhaust VEFS


Nozzles DK & DR


Louvres/ Cowls EYMA and DYMA


External Louvres USAV


Controllers

Selected products available from our UK Distributors on next day delivery, if ordered by 4pm. Please call 01206 222 555 for more information.