



Compact SCP/A

Installation and Maintenance Instructions



THESE INSTRUCTIONS MUST BE READ FULLY BEFORE COMMENCING INSTALLATION

Code	Supply	FL Amps	Output kW	r/min
SCP250/4-1	230V/1Ph/50Hz	0.90	0.09	1455
SCP315/4-1	230V/1Ph/50Hz	0.90	0.09	1390
SCP350/4-1	230V/1Ph/50Hz	0.90	0.09	1330
SCP400/4-1	230V/1Ph/50Hz	1.80	0.25	1375
SCP450/6-1	230V/1Ph/50Hz	1.05	0.12	850
SCP450/4-1	230V/1Ph/50Hz	1.80	0.25	1300
SCP500/6-1	230V/1Ph/50Hz	1.55	0.18	860
SCP500/4-1	230V/1Ph/50Hz	3.60	0.55	1350
SCP560/6-1	230V/1Ph/50Hz	2.20	0.25	875
SCP560/4-1	230V/1Ph/50Hz	4.90	0.75	1350
SCP630/6-1	230V/1Ph/50Hz	6.00	0.55	850
SCP630/4-1	230V/1Ph/50Hz	7.90	1.1	1310

Code	Supply	FL Amps	Output kW	r/min
SCP315/4-3	400V/3Ph/50Hz	0.50	0.12	1390
SCP350/4-3	400V/3Ph/50Hz	0.50	0.12	1330
SCP400/4-3	400V/3Ph/50Hz	1.40	0.37	1375
SCP450/6-3	400V/3Ph/50Hz	0.68	0.18	850
SCP450/4-3	400V/3Ph/50Hz	1.40	0.37	1300
SCP500/6-3	400V/3Ph/50Hz	0.94	0.25	830
SCP500/4-3	400V/3Ph/50Hz	1.75	0.55	1320
SCP560/6-3	400V/3Ph/50Hz	0.94	0.25	830
SCP560/4-3	400V/3Ph/50Hz	2.00	0.75	1320
SCP630/6-3	400V/3Ph/50Hz	1.90	0.55	850
SCP630/4-3	400V/3Ph/50Hz	4.30	1.5	1320
SCP710/6S-3	400V/3Ph/50Hz	1.50	0.50	720
SCP710/6D-3	400V/3Ph/50Hz	3.40	1.1	880
SCP710/4S-3	400V/3Ph/50Hz	4.30	1.5	1380
SCP800/6S-3	400V/3Ph/50Hz	1.50	0.50	620
SCP800/6D-3	400V/3Ph/50Hz	3.40	1.1	820

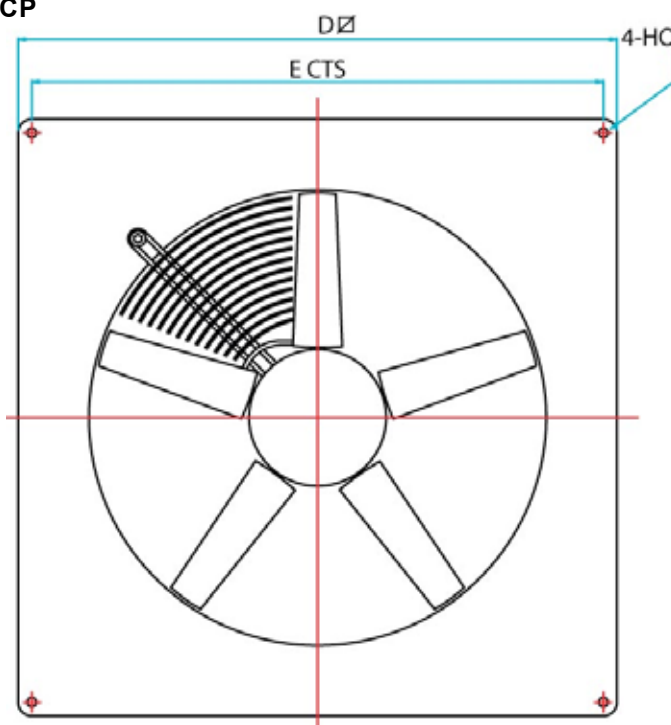
Code	Supply	FL Amps	Output kW	r/min
SCPA315/4-1	230V/1Ph/50Hz	0.90	0.09	1370

SCPA350/4-1	230V/1Ph/50Hz	0.90	0.09	1290
SCPA400/4-1	230V/1Ph/50Hz	1.80	0.25	1385
SCPA450/4-1	230V/1Ph/50Hz	3.00	0.37	1340
SCPA500/4-1	230V/1Ph/50Hz	4.90	0.75	1375
SCPA560/4-1	230V/1Ph/50Hz	7.90	1.1	1340
SCPA630/4-1	230V/1Ph/50Hz	7.90	1.1	1310

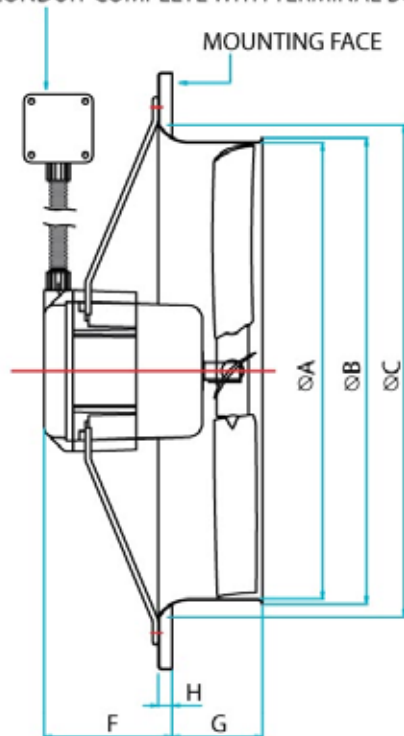
Code	A	B	C	D	E	F	G	H	Weight kg
SCP250	250	260	265	370	320	100	73	15	6
SCP315	315	325	360	430	380	85	88	15	8
SCP350	350	360	395	485	435	85	88	15	8
SCP400	400	410	450	540	490	84	99	15	12
SCP450	450	460	500	575	535	84	99	15	13
SCP500	500	510	560	655	615	140	99	15	20
SCP560	560	575	625	725	670	140	99	20	24
SCP630	630	645	705	805	750	140	101	20	30
SCP710	710	725	765	850	810	146	101	27	30
SCP800	800	820	870	970	910	146	101	27	33

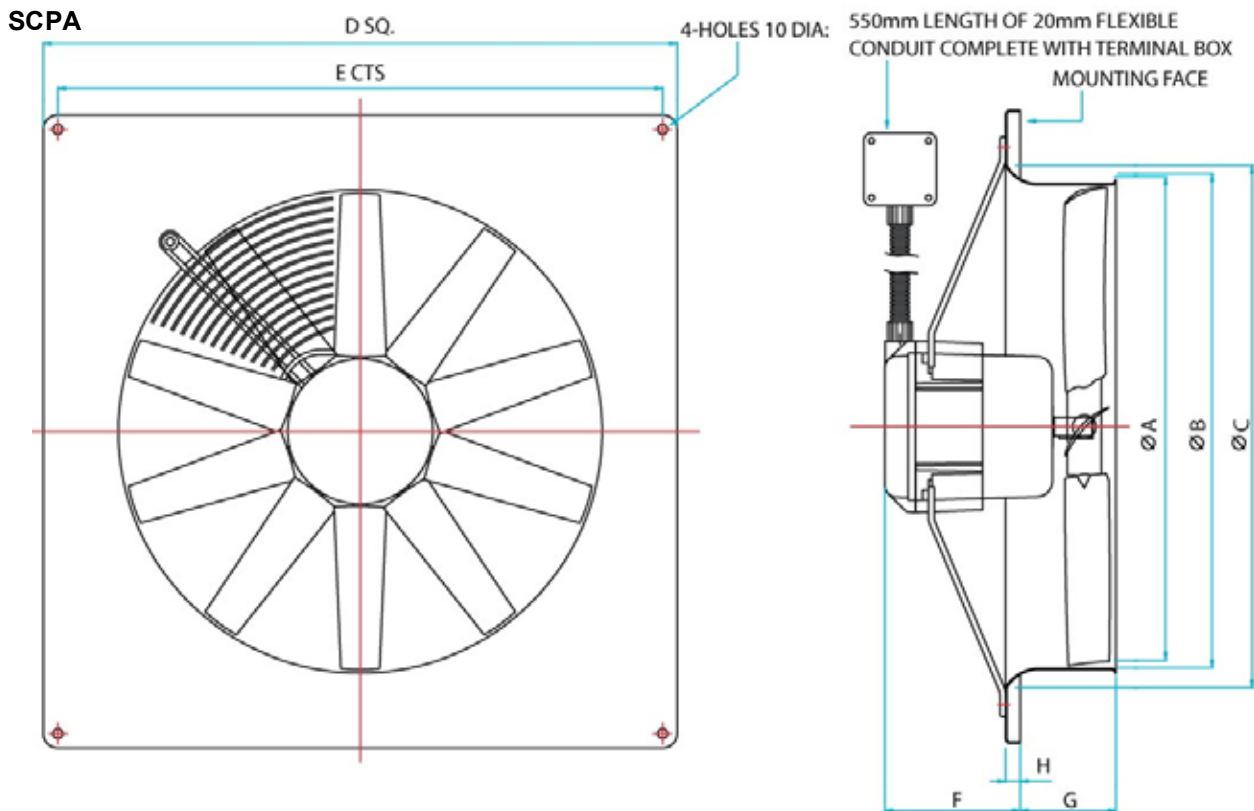
Code	A	B	C	D	E	F	G	H	Weight kg
SCPA315	315	325	360	430	380	85	88	15	8
SCPA350	350	360	395	485	435	85	88	15	10
SCPA400	400	410	450	540	490	84	99	15	14
SCPA450	450	460	500	575	535	104	99	15	15
SCPA500	500	510	560	655	615	140	99	15	22
SCPA560	560	575	625	725	670	140	99	20	29
SCPA630	630	645	705	805	750	140	101	20	32

SCP



550mm LENGTH OF 20mm FLEXIBLE CONDUIT COMPLETE WITH TERMINAL BOX





1.0 GENERAL

- 1.1 It is important these Installation and Maintenance Instructions are fully adhered to.
- 1.2 Full details of the unit supplied are shown on the product nameplate. If in doubt about any detail contact Elta Fans Ltd or its agents for clarification.
- 1.3 All electrical installation must be carried out by suitably qualified and competent personnel in accordance with all current statutory requirements.
- 1.4 These instructions cover only the Elta Fans Ltd product and do not include the supply or installation of any safety equipment that may be required e.g. adequate guarding or protection from rotating parts and proper electrical isolation.
- 1.5 Any declarations made by Elta Fans Ltd about product installation and safety, are dependant on the fan equipment being used within installations which themselves meet the requirements of the relevant Standards and Directives of your region.
- 1.6 The fan is designed for use in an ambient temperature of -20°C up to $+70^{\circ}\text{C}$ fixed speed, -20°C up to $+50^{\circ}\text{C}$ when used with a speed controller and up to 95% relative humidity. The fan is not suitable for corrosive or explosive atmospheres.
- 1.7 The installer should provide easy access to the fan to facilitate future maintenance.
- 1.8 The installer should ensure the fan is adequately supported.
- 1.9 This product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the product by a person responsible for their safety. Children should be supervised to ensure that they do not play with the product.

2.0 INSTALLATION

WARNING – The fan must be isolated from the power supply during installation and maintenance. The fan must be earthed in accordance with the local regulations.

- 2.1 Upon receipt, the fan equipment should be visually inspected to check for any damage. Ensure that the impeller is free to rotate.
- 2.2 If there are any queries concerning the fan equipment, Elta Fans Ltd should be contacted prior to the installation.
- 2.3 The fan must be securely mounted in the desired position to suit the application.
The fan can be mounted at any angle.
- 2.4 Check the details on the motor rating plate to ensure that the correct power supply (voltage, frequency and phase) is available.
An incorrect power supply will lead to permanent damage to the fan motor.

- 2.5 Refer to the appropriate wiring diagram. Ensure that all earth connections are made.
- 2.6 Means for electrical disconnection must be incorporated in the wiring installation in accordance with the relevant wiring and electrical regulations.
- 2.7 Precaution must be taken to locate the exhaust discharge terminal so as to avoid the backflow of gases into the room from the open flue of gas or other fuel burning appliances.

3.0 START-UP

- 3.1 Before power is supplied to the unit, check that the wiring is correct as per the fan connection diagram.
- 3.2 At initial start-up, check that impeller rotation and airflow direction is correct.
- 3.3 Check that the motor amperage draw does not exceed the nameplate rating.

4.0 FAN MAINTENANCE

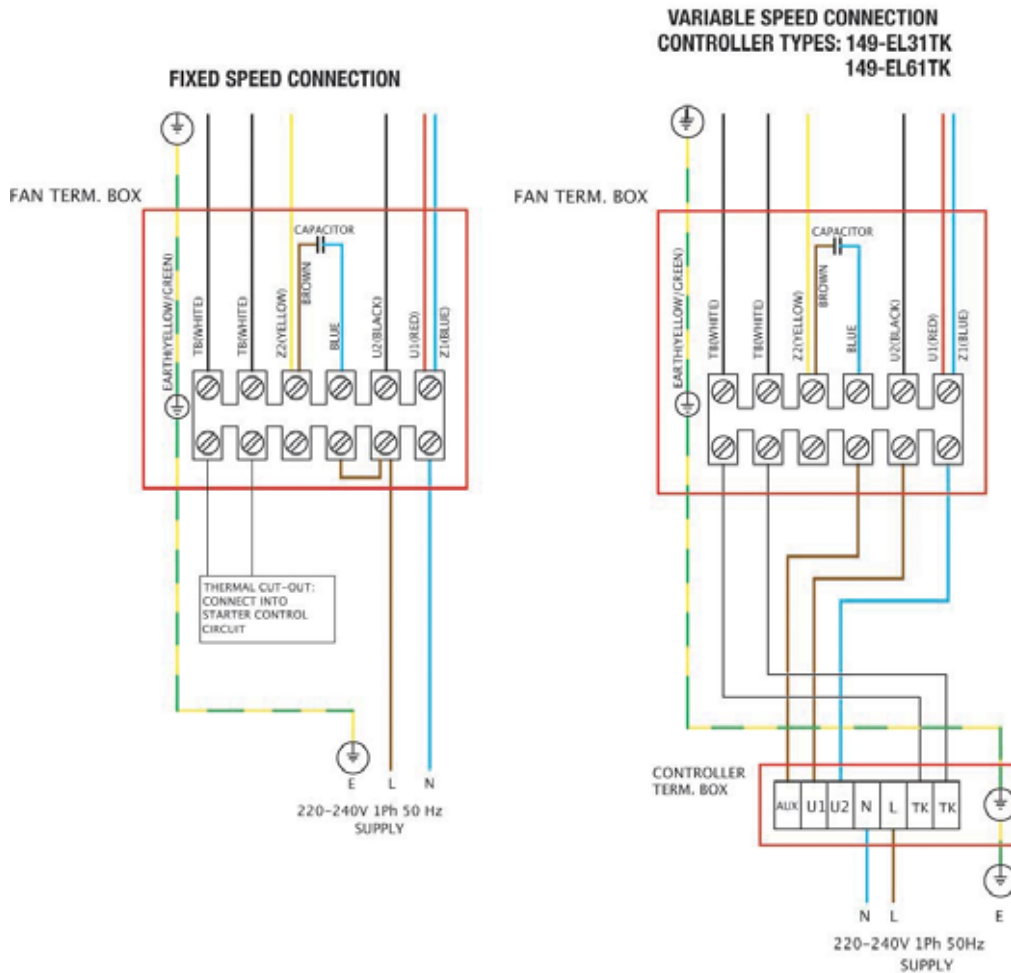
- 4.1 Inspection of the fan at least once every 12 months is recommended to ensure that the motor, fan blades, and supporting guards, are clean. Any build up of dust and deposits on the blades or guards should be removed using a non-abrasive cleaner.
- 4.2 All fastenings should be checked for tightness. In addition, all rotating items should be checked.
- 4.3 Bearings are of the 'sealed for life' type and will not need a detailed inspection.

WARNING – This fan is fitted with an auto-reset thermal contact which switches the fan off in the event of a fault condition.

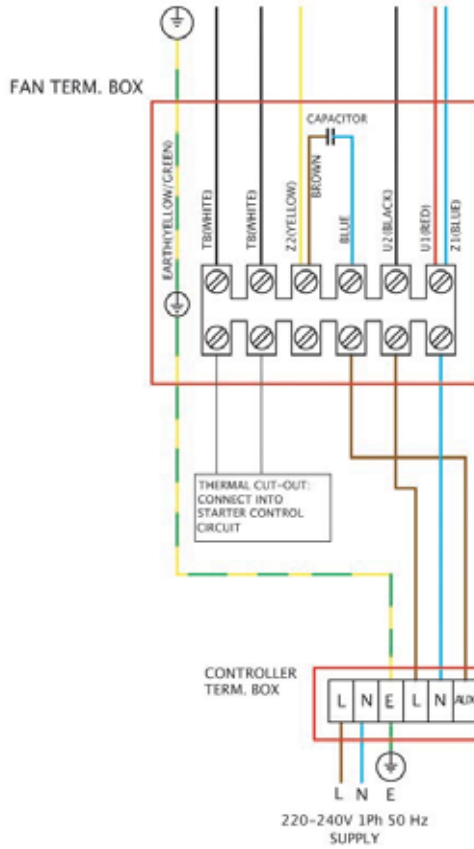
Once the motor cools down the fan may start unexpectedly.

Only a suitably qualified and competent person may carry out maintenance after the electrical supply has been isolated.

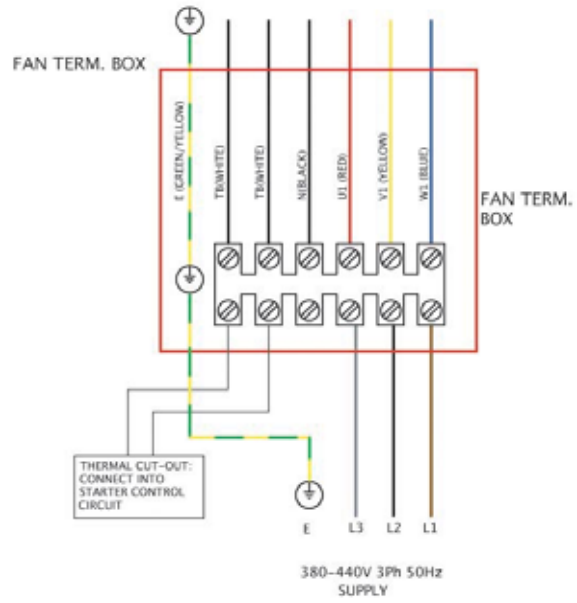
WIRING



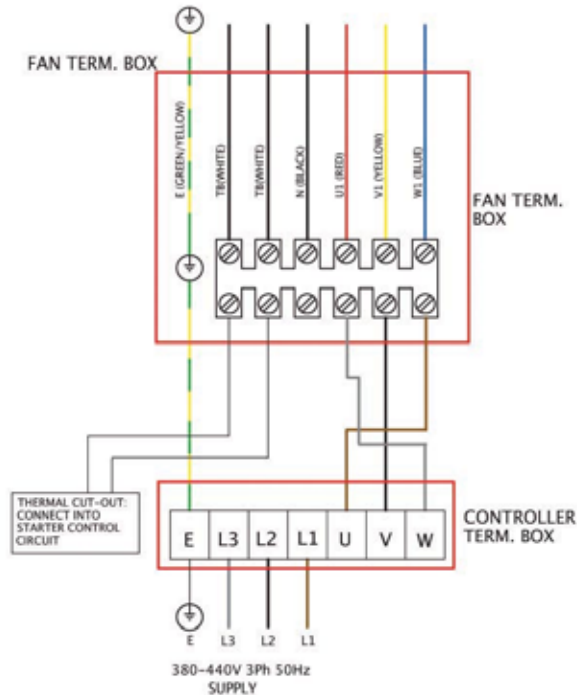
VARIABLE SPEED CONNECTION
CONTROLLER TYPES: 149-TC12
149-TC14
149-TC18
149-TC110



FIXED SPEED CONNECTION



VARIABLE SPEED CONNECTION
CONTROLLER TYPE: 149-TC3**



GUARANTEE

Elta Fans Ltd will, free of charge, within a period of 1 year from the date of despatch from their works, repair or at its option replace any goods which are proved to have defects as a result of defective materials or workmanship. The goods MUST be returned to Elta Fans Ltd carriage paid for examination.

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SCP Inst Issue 1: 29-06-07