

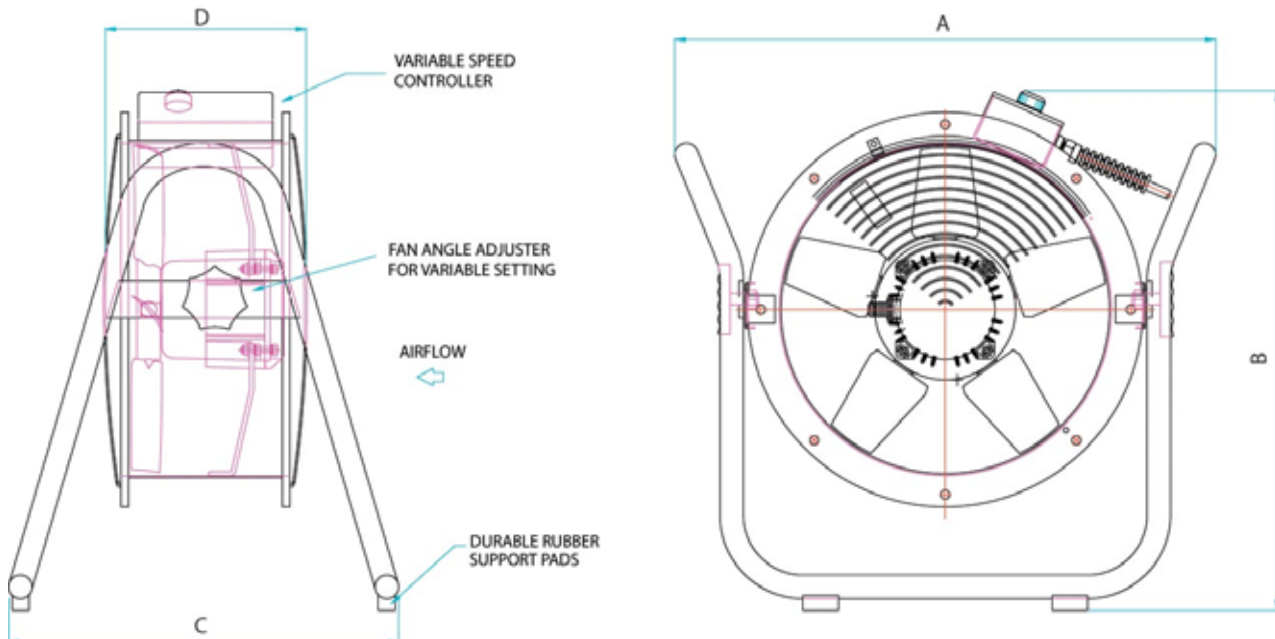


Portacooler SPC Installation and Maintenance Instructions

THESE INSTRUCTIONS MUST BE READ FULLY BEFORE COMMENCING INSTALLATION

Code	Supply	FL Amps	Output kW	r/min
SPC350/4-1	230V/1Ph/50Hz	0.90	0.09	1320
SPC450/4-1	230V/1Ph/50Hz	1.80	0.25	1300
SPC560/4-1	230V/1Ph/50Hz	4.90	0.75	1350

Code	A	B	C	D	Weight kg
SPC350/4-1	582	610	460	240	18
SPC450/4-1	671	678	460	254	24
SPC560/4-1	791	733	460	322	33



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 The fan is designed for localized free-standing cooling or ventilation and is supplied complete with safety guards, integral speed controller, flying lead and 13 Amp UK plug.
- 1.5 Any declarations made by Elta Fans Ltd about product installation and safety, are dependant on the fan equipment being correctly maintained and used in accordance with these instructions.
- 1.6 The fan is designed for use in a dry sheltered position and an ambient temperature of up to +40°C. Do not position the unit in close proximity to a heat source or in areas of high humidity. The fan is not suitable for corrosive or explosive atmospheres.
- 1.7 The user should provide easy access to the fan to facilitate future maintenance.
- 1.8 The user should ensure the fan is adequately supported on a flat and level surface.
- 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 when re-positioning the fan. Only a suitably qualified and competent person may carry out maintenance after the electrical supply has been isolated.

- 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 use.
- 2.3 Check the details on the fan 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 controller and fan motor.
- 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 unit so as to avoid the backflow of gases into the room from the open flue of gas or other fuel burning appliances.

3.0 OPERATION

- 3.1 Switch on the controller by operating the ON/OFF rocker switch plus the Reset button. Rotating the Control Knob clockwise will increase the speed of the fan from a pre-set minimum (see below) to full speed (with infinitely variable speeds in between).
- 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.
- 3.4 The controller is protected by a fuse which can be accessed by removing the front cover of the controller after unscrewing the cover fixing screws. The input fuses, which are ceramic quick acting high blow fuse type, are located adjacent to the terminal strip. They are, EL31T – 6.3 amp rating, EL61T – 10 amp rating.

WARNING – Only a suitably qualified and competent person may carry out adjustment of the pre-set min and max speed control settings after the electrical supply has been isolated.

3.5 MINIMUM SPEED CONTROL SETTING

The minimum speed is factory set and should not require adjustment. To adjust the minimum speed, rotate the control knob on the front fully anti-clockwise. This is the current minimum speed position. Turn the minimum speed potentiometer inside the unit clockwise to increase the minimum speed setting and turn anti-clockwise to decrease the minimum speed setting. The fan will not fall below this pre-set speed during operation regardless of the front panel Control Knob setting. The minimum setting should not be less than 100V to ensure that the motor starts.

3.6 MAXIMUM SPEED CONTROL SETTING

To adjust the maximum speed, rotate the control knob on the front fully clockwise. This is the current maximum speed position. Turn the maximum speed potentiometer inside the unit anti-clockwise to decrease the maximum speed setting and clockwise to increase the maximum speed setting.

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 cut-out which switches the fan off in the event of a fault condition. In the event of the motor overheating, the motor protection will activate indicated by the trip light on the controller illuminating.

This can only be reset once the motor has cooled down and the adjacent reset button has been pressed.

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

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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