EC Slimpak Fan

Twin In-line Duct Fan Range
(SLPT EC)

Installation and Wiring Instructions

PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION.
THESE INSTRUCTIONS SHOULD BE LEFT WITH THE END USER
IMPORTANT: READ THESE INSTRUCTIONS BEFORE COMMENCING THE INSTALLATION

IMPORTANT SAFETY INFORMATION

1. DO NOT install this product in areas where the following may be present or occur:
   2. Excessive oil or a grease laden atmosphere.
   3. Corrosive or flammable gases, liquids or vapours.
   4. Subject to direct water spray from hoses.
   5. Ambient temperatures higher than 40°C or less than –20°C.
   6. Possible obstructions which would hinder the access or removal of the Fan.
   7. All wiring must be in accordance with the current IEE wiring regulations BS7671, or appropriate standards of your country. Installation should be inspected and tested by a suitably qualified person after completion.
   8. Ensure the mains supply (voltage, frequency and phase) complies with the rating label.
   9. A means for electrical disconnection must be incorporated in the fixed wiring to the unit in accordance with the wiring rules having a contact separation in all poles of at least 3mm.
   10. These units must be earthed.
   11. Precautions must be taken to avoid the back-flow of gases into the building from the open flue of gas or other fuel-burning appliances.
   12. This appliance 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 appliance by a person responsible for their safety.
   13. Young children should be supervised to ensure that they do not play with the appliance.
   14. CAUTION: In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
   15. These units are rated IP22 and are not suitable for outside use.

INSTALLATION GUIDANCE:

1. The installer is responsible for the installation and electrical connection of the system on site. It is the responsibility of the installer to ensure that the equipment is safely and securely installed and left only when mechanically and electrically safe.
2. Short duct runs terminating close to the fan (i.e. within 1.5m) require suitable guards.
3. All regulations and requirements must be strictly followed to prevent hazards to life and property, both during and after installation, and during any subsequent servicing and maintenance.
4. Certain applications may require the installation of sound attenuation to achieve the sound levels required.
5. The twin fan units are intended for duty standby operation and are not designed for simultaneous operation of both fans.
6. The ECDC fans fitted to these units are not designed for rapid on-off switching via the mains when installing twin fan units with duty sharing controls the minimum period for switching between fans should not be less than 30 minutes.
7. SLPT EC units are designed and specified for use with Vent-Axia controls, dampers, grilles and accessories.
8. All mains connections to the unit using flexible wiring or any additional controls wiring must use cable glands sufficient to retain the IP rating of the unit and provide cable retention to the requirements of EN60335-1 Clause 25.15.
9. The fixings and anchors used to suspend and mount the unit must be compatible with the unit’s weight. Suitable drop rods and anti-vibration mounts can be used.
10. Due to the weight of the units it is recommended that two people are involved in the installation.
11. It is recommended that flexible connections are used between the unit and rigid ducting.
For floor or ceiling mounting

SLPT100EC
SLPT125EC
SLPT150EC

Fixing locations

SLPT200EC
SLPT250EC
SLPT315EC
SLPT400EC
SLPT500EC

Fixing locations
Reorientating shutters for ceiling mounting twin fans

SLPT100EC
SLPT125EC
SLPT150EC
SLPT200EC
SLPT250EC
SLPT315EC
SLPT400EC
SLPT500EC
Cable entry locations

SLPT100EC
SLPT125EC
SLPT150EC
SLPT200EC
SLPT250EC

SLPT315EC
SLPT400EC
SLPT500EC

Twin fan units with internal mains connection access

Note: ALL twin fan units to be connected to a suitable auto-changeover control. Vent-Axia 476367 recommended

single phase terminals twin fan

FAN 1
Fan 1
FAN 2
Fan 2
Twin fan units with external mains connection access

**SLPT315EC**

Single phase terminals twin fan

**SLPT400EC**

Single phase terminals twin fan

**SLPT500EC**

Three phase terminals twin fan

Control panel wiring for auto-changer control

Move both switches to EX position

See control panel manual for further details.
SLPEC FAN SPARES LIST

<table>
<thead>
<tr>
<th>Component</th>
<th>Applicable Models</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>Motorised Impeller</td>
<td>SLPTEC 100, 125, 150</td>
<td>434597</td>
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<td>Control PCB</td>
<td>SLPT EC COMPLETE RANGE</td>
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