ITEC
High Efficiency EC Twin Fan for convenient fitting and full control

Casing constructed from 1.6mm Galvanised sheet steel
Circular spigot connection
Inline for ease of fitting into duct system
Single removable lid for mounting with top or bottom access
Two fans with EC Plug Arrangement
High Efficiency impellers in a series style
FEATURES
- Run and 100% stand-by
- Robust corrosion resistant casing in galvanised steel
- Access panel offers either top or bottom access on duct mounted units
- Standard change over panels including duty sharing option
- Simple wiring from a common terminal box and change over panel
- Acoustically lined for quiet operation and reduced breakout
- Speed controllable using the Helios ACSW EC change over panel and PA10 potentiometer speed controller
- Standard side mounting rails for easy fitting

SPECIFICATION
- Fans
All units are fitted with single inlet independent backward curve centrifugal fans, powered by direct driven motors
- Terminal Box
IP 55 terminal box fitted to casing providing connection to both fans
- Speed controls
with 0-10V input from PA10 or ACSEC
- Change Over Panels
Standard change over the panels with manual and timed duty sharing and fan failure indicator Building Management System (B.M.S.) interface
- Noise Levels
Sound levels in db(A). Spectrum and totals shown opposite

IN LINE DUCT FANS ITEC
- Casings
Standard units of galvanised sheet steel with access panel and spigot connections. Fixing holes provided in the casing
- Access
Standard access from above or below
- Acoustic Lining
Factory fitted acoustic lining. Lining fire retardant, class "O" 25mm material
- Spigots
Twin fans are fitted with circular inlet and outlet spigots as standard
- Information Ducting System
All Helios components fit standard nominal duct diameters. The ducting used may be rigid or flexible and made from aluminium, galvanised steel or plastic

<table>
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<tr>
<th>TYPE</th>
<th>Ref. No.</th>
<th>RPM</th>
<th>AIRFLOW PID</th>
<th>MOTOR POWER</th>
<th>VOLTAGE</th>
<th>CURRENT FLC</th>
<th>MAX WEIGHT</th>
<th>AUTO CHANGEOVER</th>
<th>Ref. No.2</th>
<th>SPEED CONTROLLER</th>
<th>Ref. No.3</th>
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ITEC SOUND DATA

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<th>Unit Size</th>
<th>Discharge Sound Pressure dBA at Full Speed</th>
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**ACCESSORIES**

- **Pipe Clamp Connectors**
  BM125  Ref No 5076
  BM150  Ref No 6164
  BM200  Ref No 5078
  BM250  Ref No 5079
  BM315  Ref No 5080

A quick-fix method for connecting fans to ducting, reducing vibration transmission. When installing leave a small gap between fan spigot and ducting. Supplied in pairs.

- **Spigotted Attenuators**
  SRSD 125/600  Ref No S8906
  SRSD 150/600  Ref No S8910
  SRSD 160/600  Ref No S8914
  SRSD 200/600  Ref No S8918
  SRSD 250/600  Ref No S8922
  SRSD 315/600  Ref No S8926
  SRSD 355/600  Ref No S8928
  SRSD 400/600  Ref No S8930

Spigotted attenuator with 50mm insulation. Fits nominal size ducting or to be fixed with pipe clamp connectors.

- **Automated changeover panel**
  ACSWEC  Ref No S1499

For automatic changeover of twin fans, using current sensing. Duty sharing (8 selections from 3 to 24 hours), manual selection, variable overloads, alarm out-put for BMS. Built in trickle and boost with adjustable speeds for commissioning.

Protection   IP 40
Current Max. 8 amps
Dim. m   W 190 X H 240 X D 70

- **Electronic Speed Controller**
  PA10  Ref No 1735

For direct control or nominal value preset of EC fans with POTENTIOMETER INPUT. Additionally equipped with an enabling switch and LED display for the operating status (dependent on feature of fan type).

Casing: Surface mounted installation; polymer; light grey projections
Dim. mm   W80 x D21
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250ITEC

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