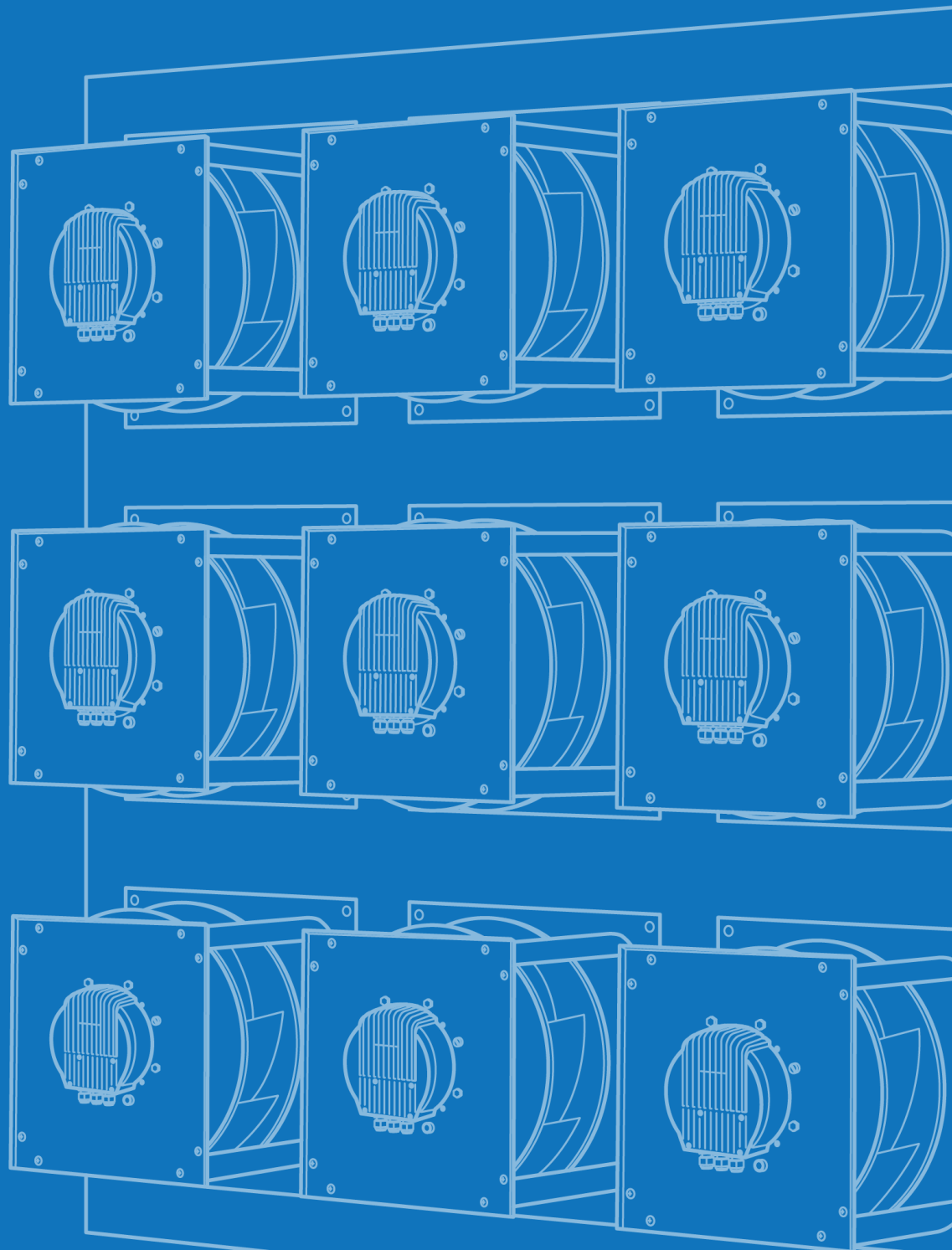


ECFanGrid

RETROFIT SOLUTIONS

INVENTORY LIST



ECFanGrid
RETROFIT SOLUTIONS



What is an ECFanGrid?

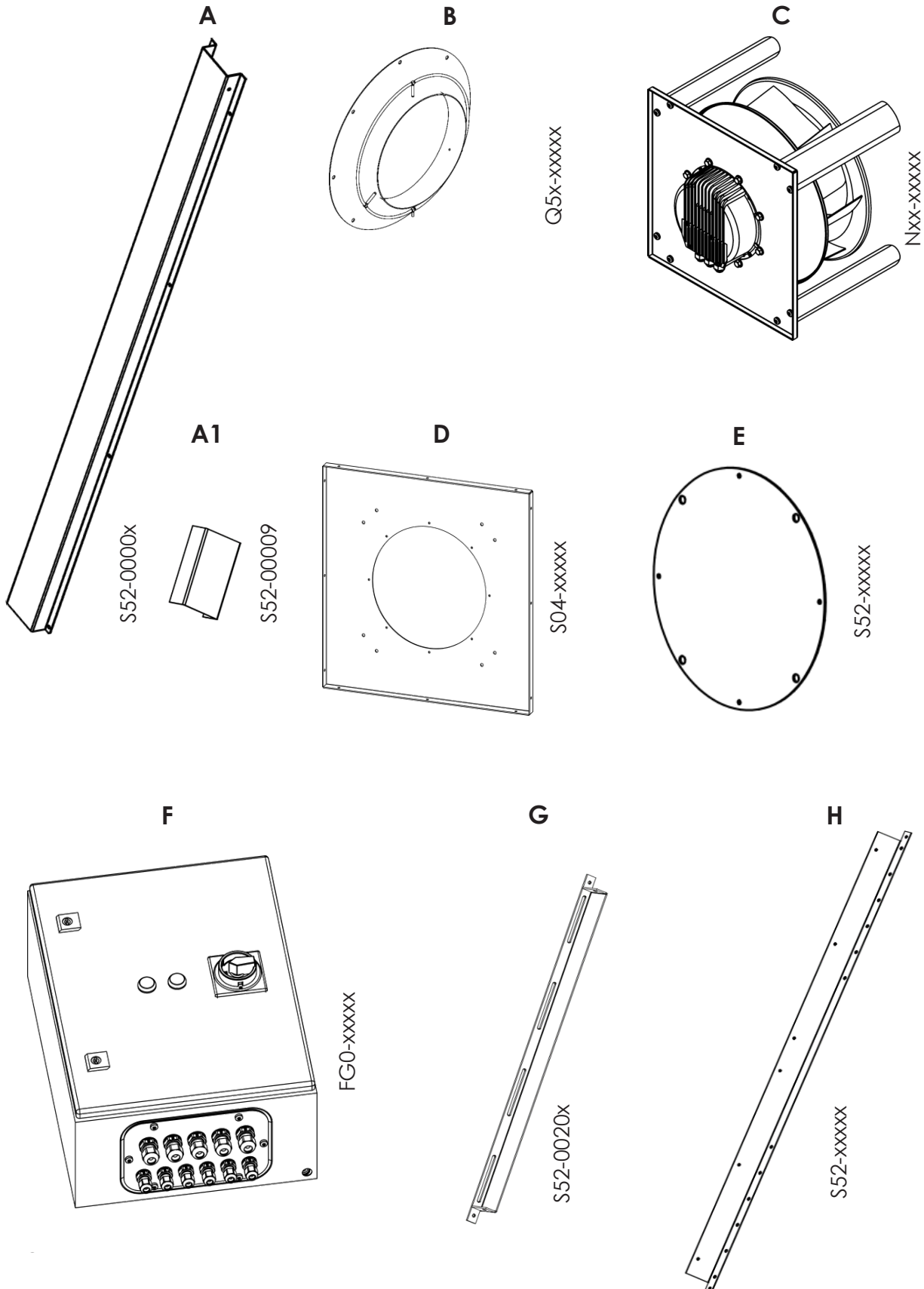
Continuous and consistent airflow is essential in most facilities, making under-performing or unreliable fans simply unacceptable. In addition to reliability concerns, inefficient fans can be a buildings biggest energy consumer. An **ECFanGrid** is a multiple fan array designed to improve reliability, flexibility and efficiency in new or existing air handling systems.

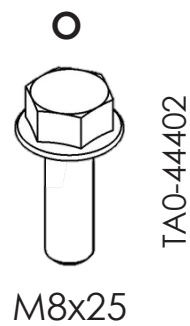
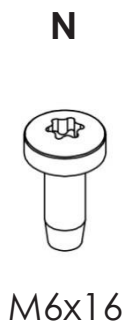
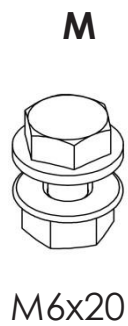
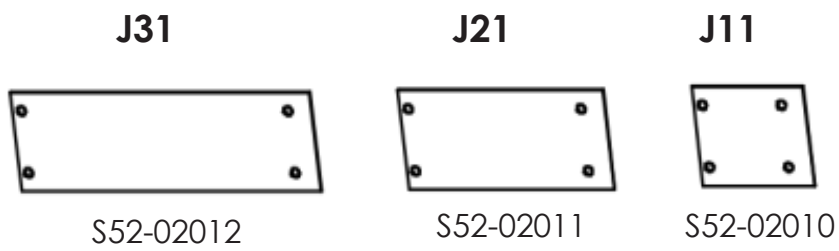
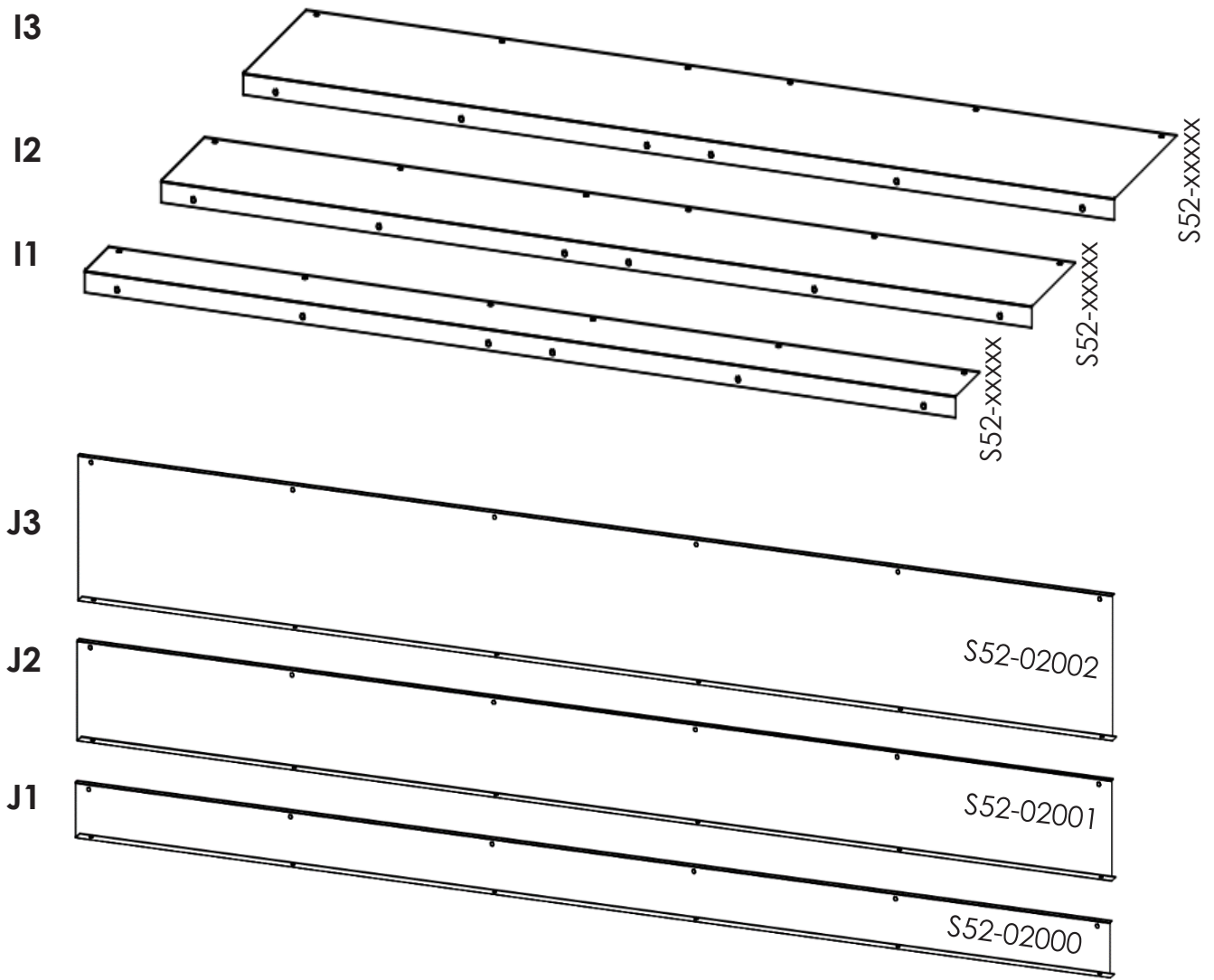
Given today's economy and the increasing cause for environmental concern, designers, maintenance teams, energy managers and consultants look to select EC plug fans which will not only provide the necessary reliability, but also provide optimum efficiency and environmental benefits. In most fan systems, a single fan is selected for the required system and various methods of control are also installed to meet other operating points defined by the system duty, such as dampers.

In some instances it is advantageous to use more than one fan in a system, for example, when it is necessary for the required operating range of the system to include multiple plug fans running closer to their peak efficiencies instead of one large fan controlled over a wide operating range. Multiple fans for capacity control may be more economical if the cost of the operation is critical. By running fans in parallel when one motor fails, only one portion of the airflow is lost, unlike single fan air handlers.

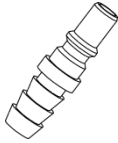
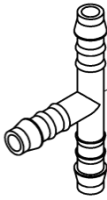


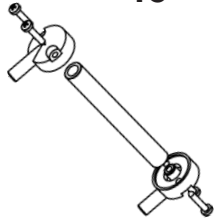
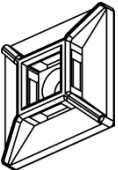

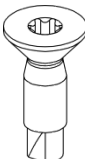



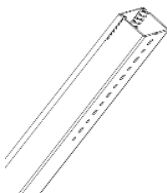
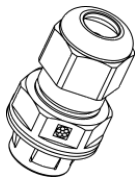

Bill of Materials

Your **ECFanGrid** is supplied with a full bill of materials to enable you to quickly and simply construct the multiple fan array as designed alongside our fan engineers.

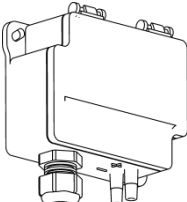
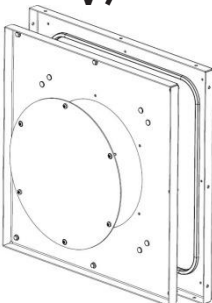





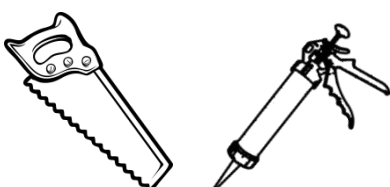
Installation Kit for 5 fans S52-90015/ -17

<p>T1</p>  <p>GRVS-0406</p>	<p>T2</p>  <p>TSVS-004L055</p>	<p>T3</p>  <p>6 mm</p> <p>MSS000-6084N</p>	<p>T4</p>  <p>4 mm</p> <p>MSS000-4060N</p>	<p>T5</p>  <p>MSS000-0001C</p>
<p>T6</p>  <p>T00-00032</p>	<p>T7</p>  <p>3,5 x 145</p> <p>W21-00016</p>	<p>T8</p>  <p>3,9 x 13</p> <p>T00-00045</p>	<p>U1</p>  <p>20 x 5 mm</p> <p>GDR000-0520N</p>	
<p>V1</p>  <p>TE1-00056 4G 1,5 mm² TE1-00057 4G 2,5 mm²</p>	<p>V2</p>  <p>12 x 0,25 mm²</p> <p>STL010-0026N</p>	<p>V3</p>  <p>40 x 60</p> <p>U52-00054</p>	<p>V4</p>  <p>M16</p> <p>TA7-16071</p>	<p>V5</p>  <p>2,5 x 100</p> <p>W21-00049</p>

Optional Parts

<p>V6</p>  <p>H40-97000</p>	<p>V7</p>  <p>S52-0xxx8</p>	<p>V8</p>  <p>FGxxWXX-A</p>
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Sensor Tools

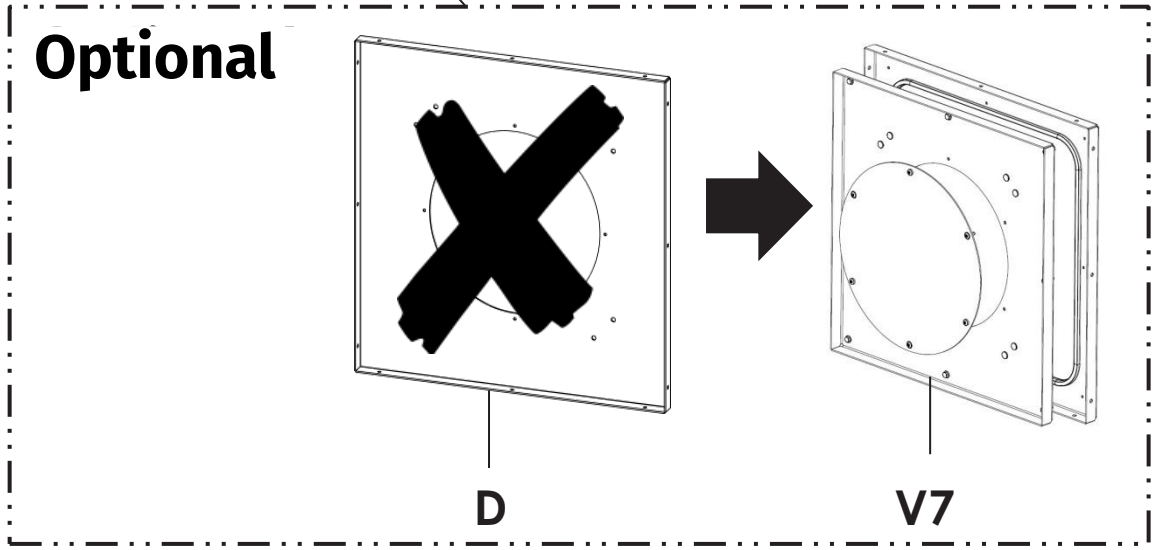
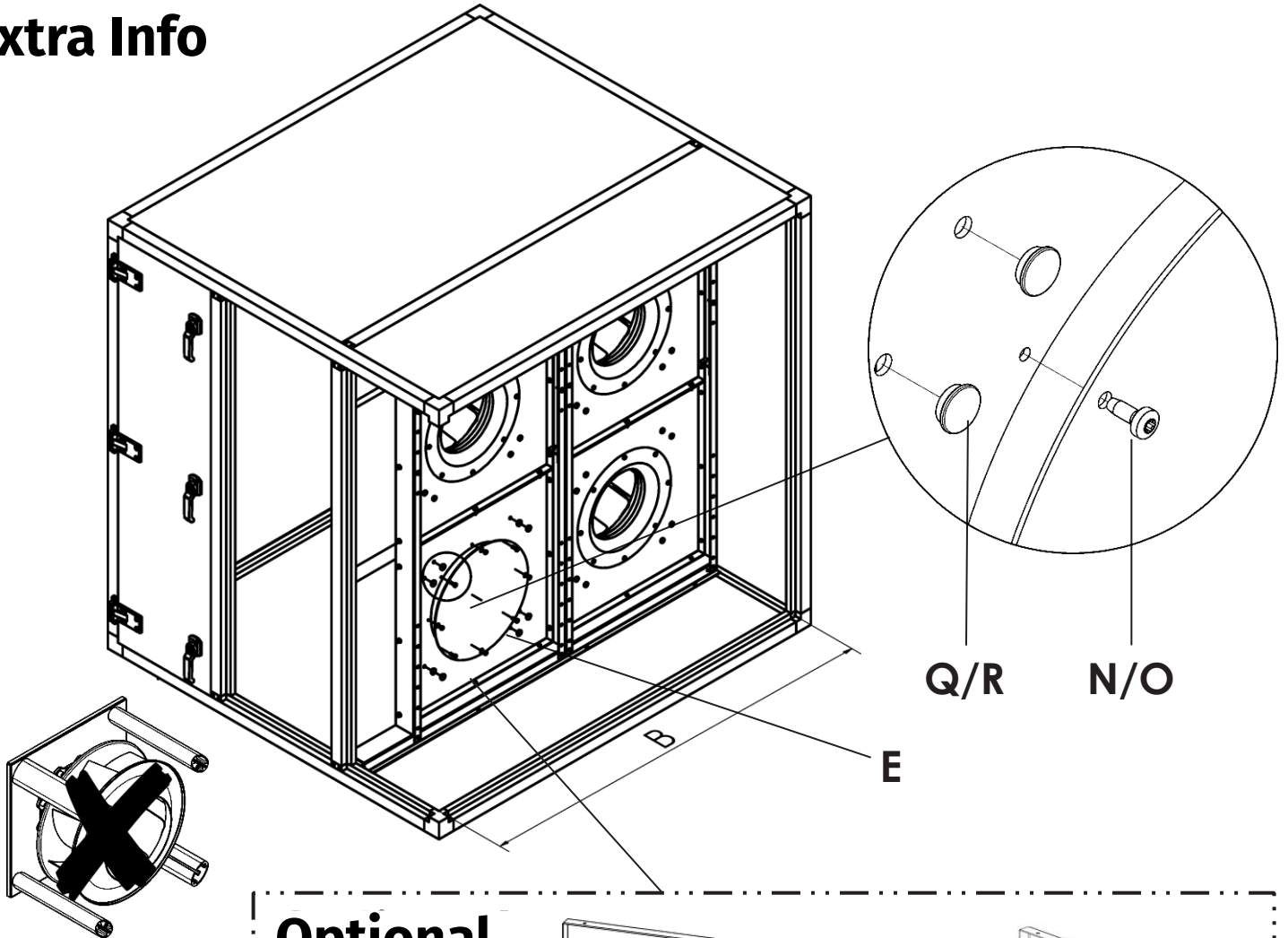


10 & 13 mm

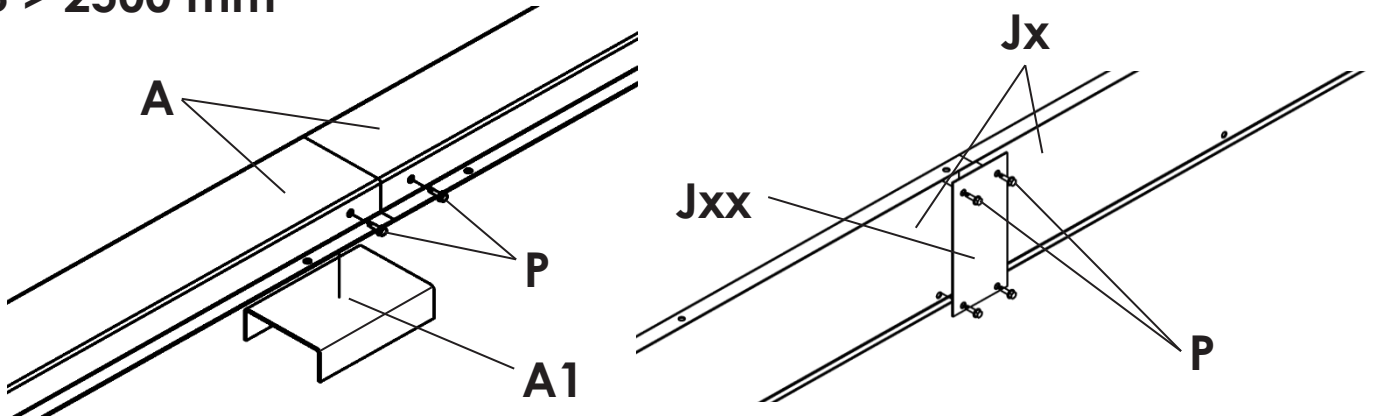


TX 10 & TX 20
TX 30

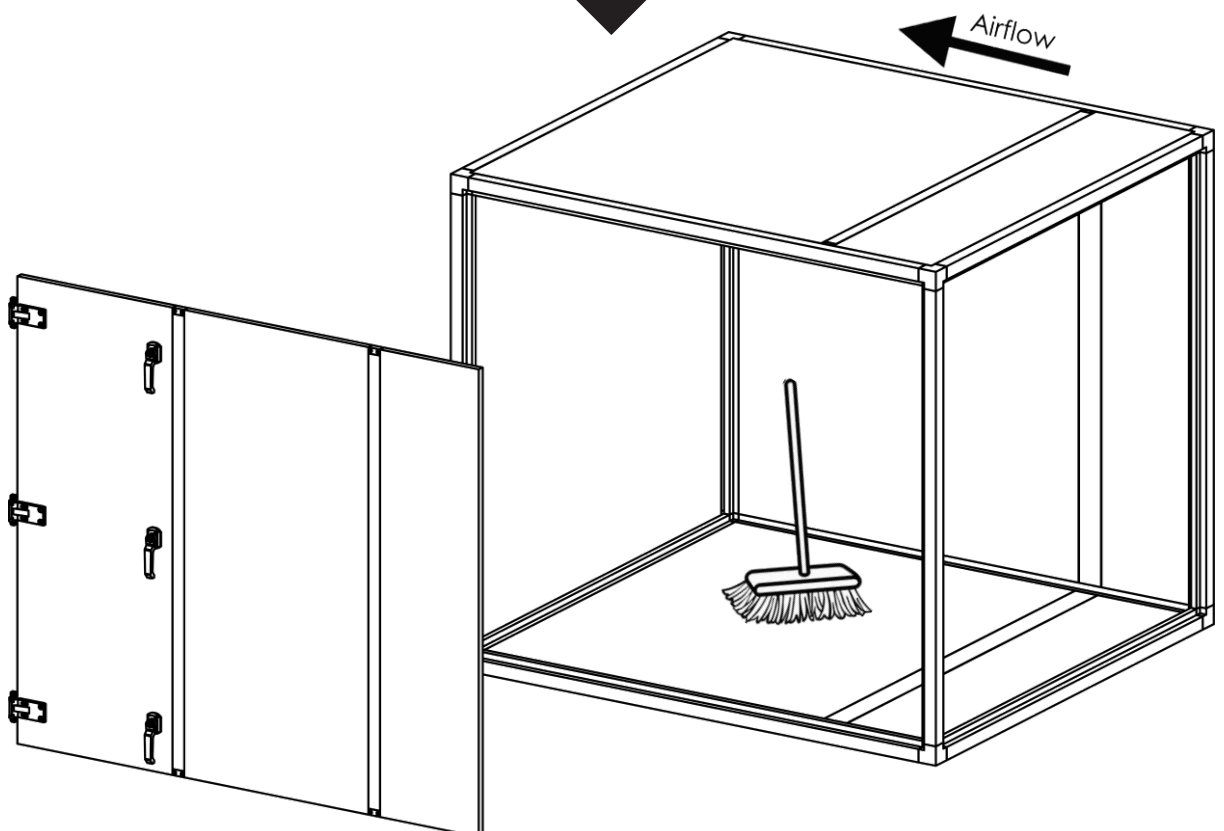
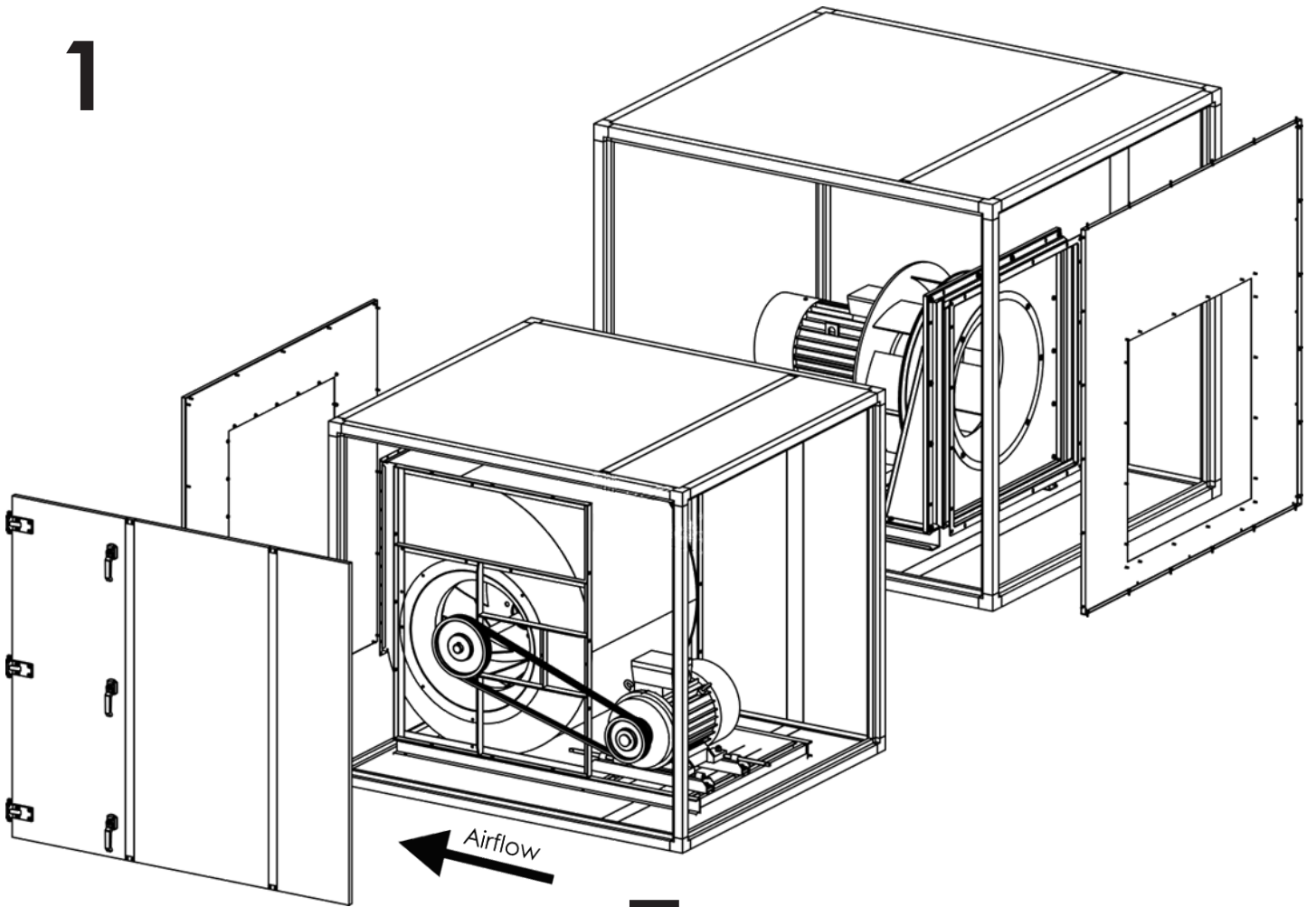
Extra Info

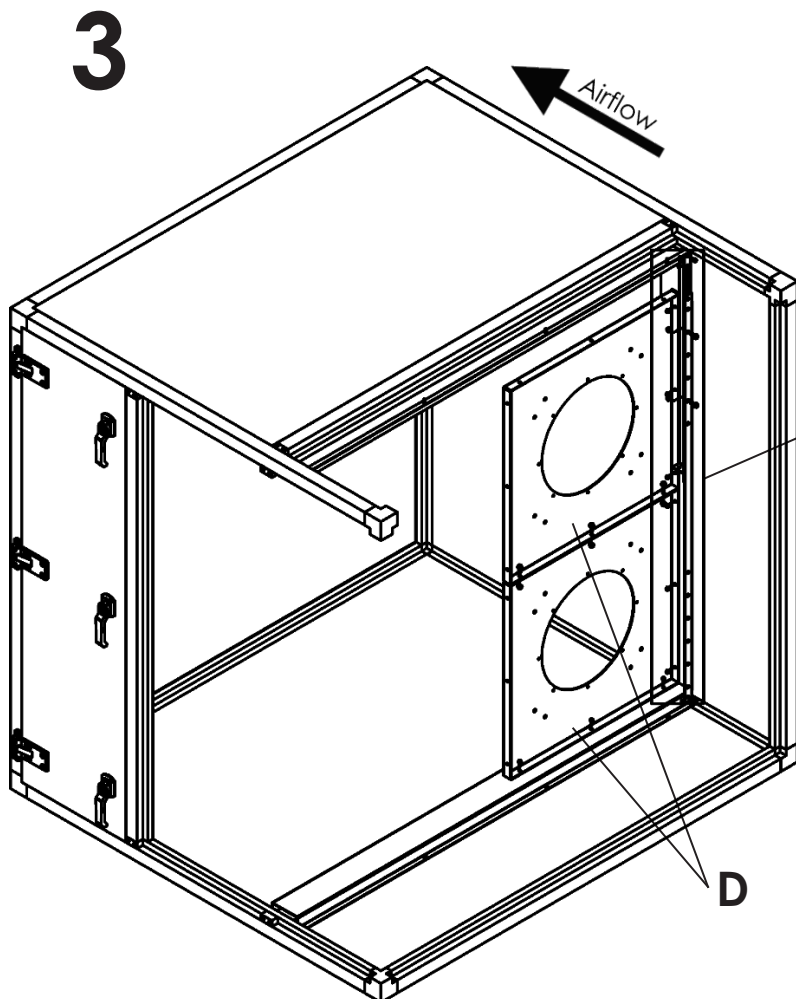
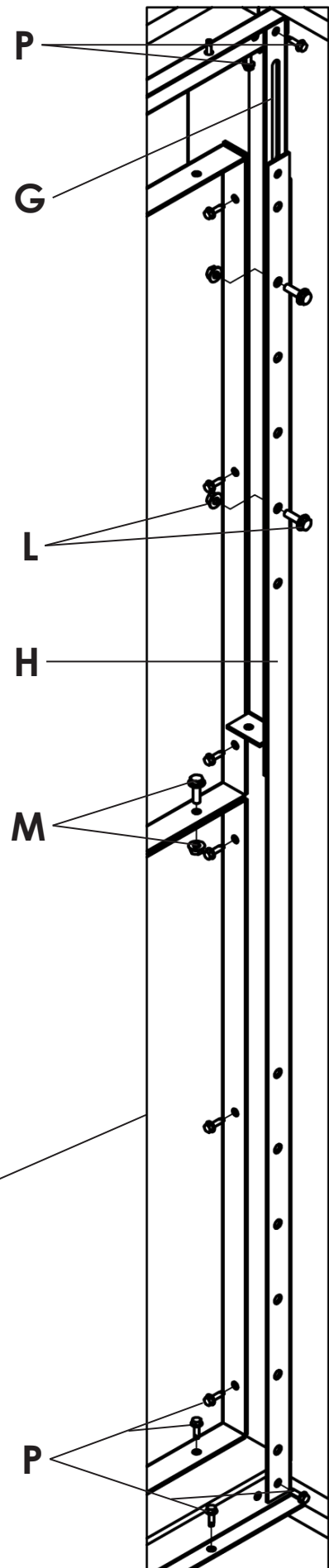
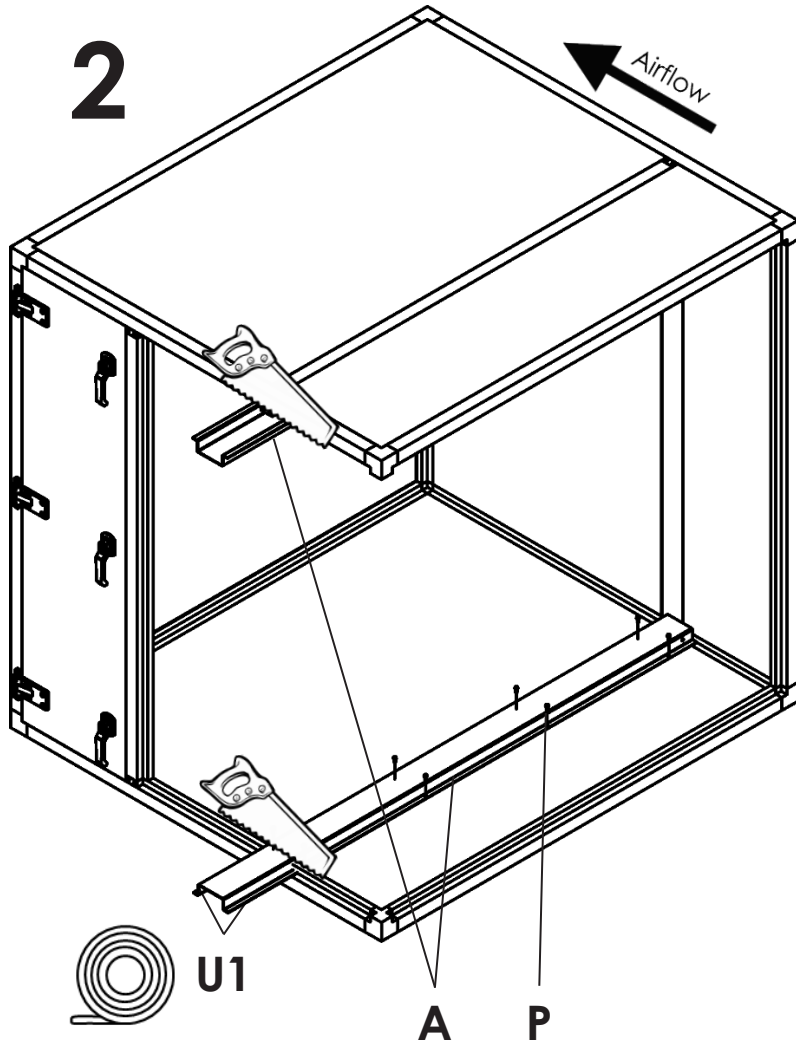


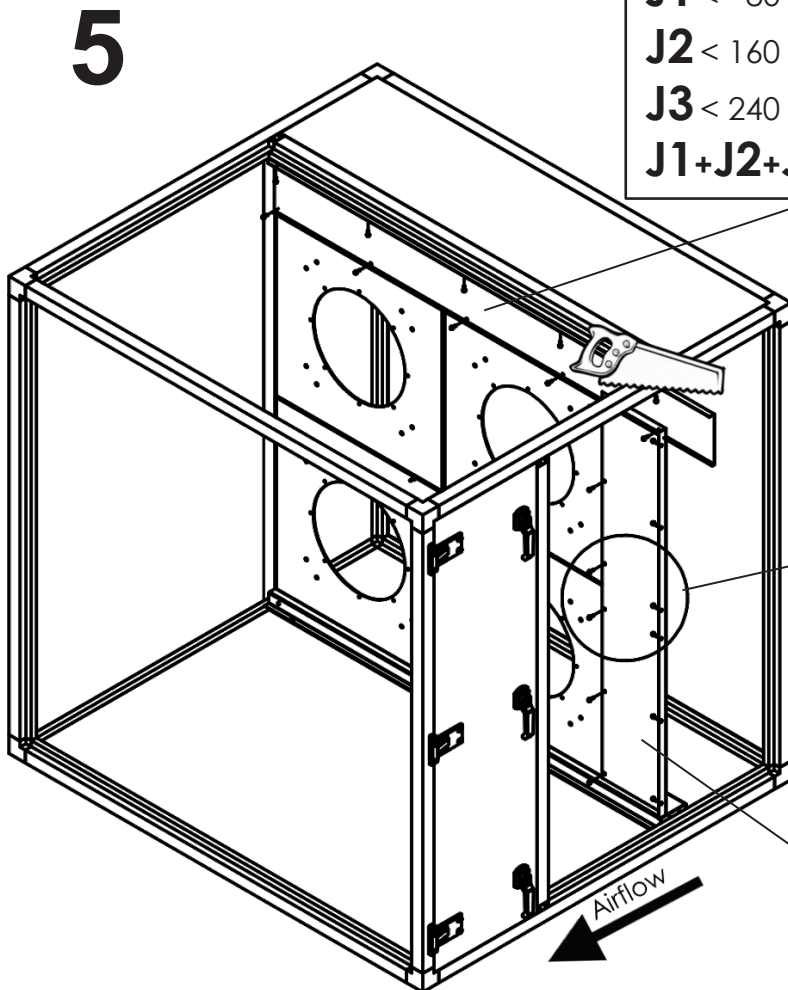
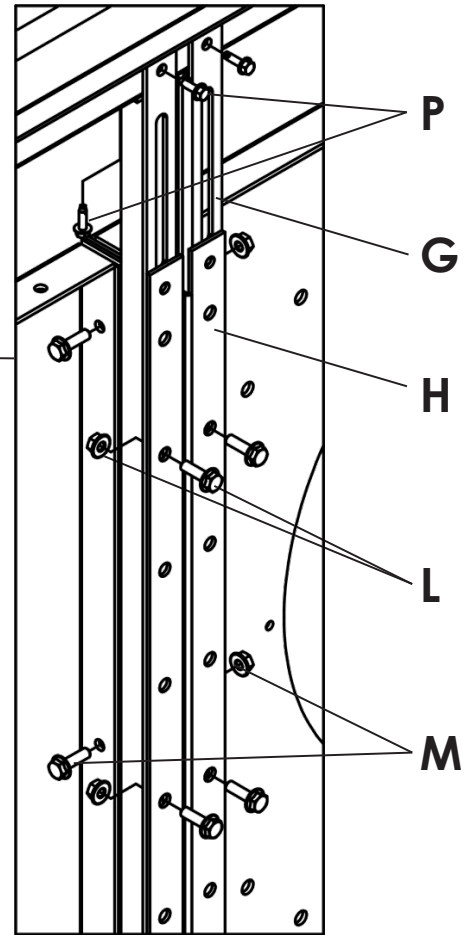
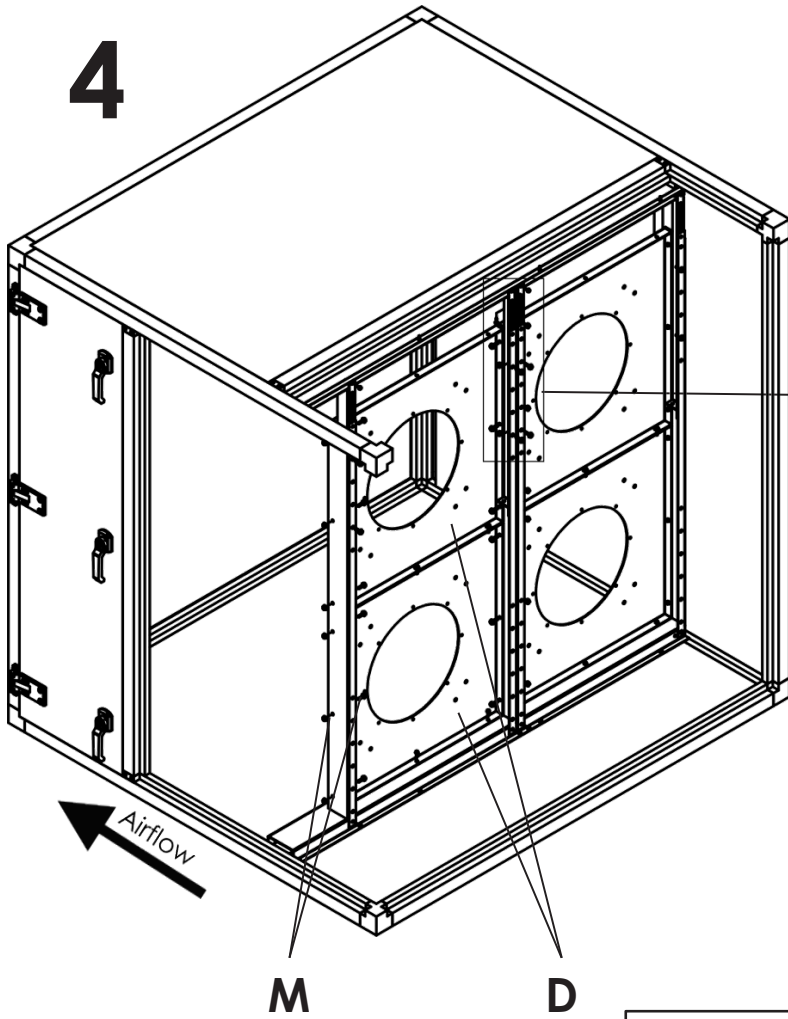
B > 2500 mm



1



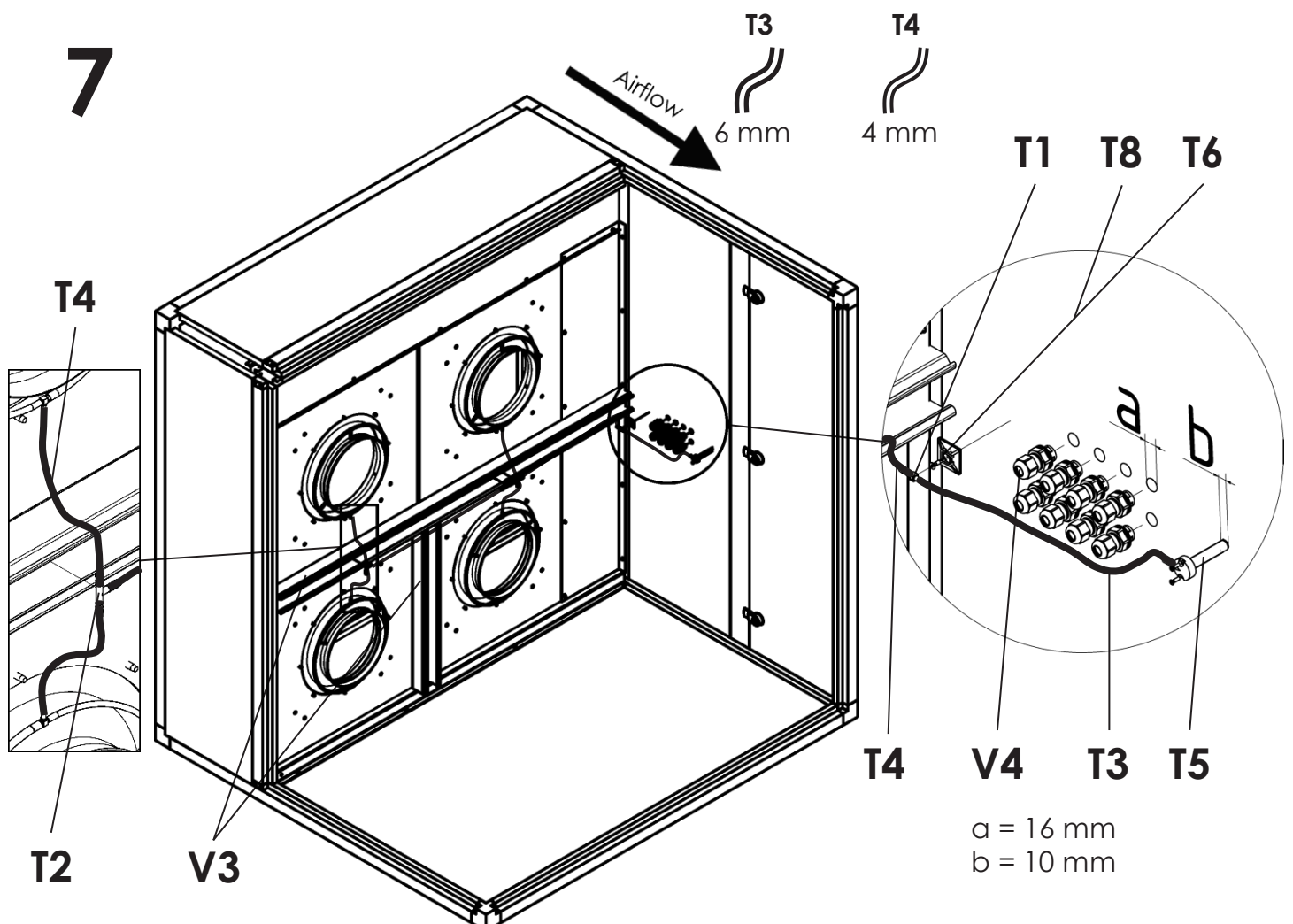
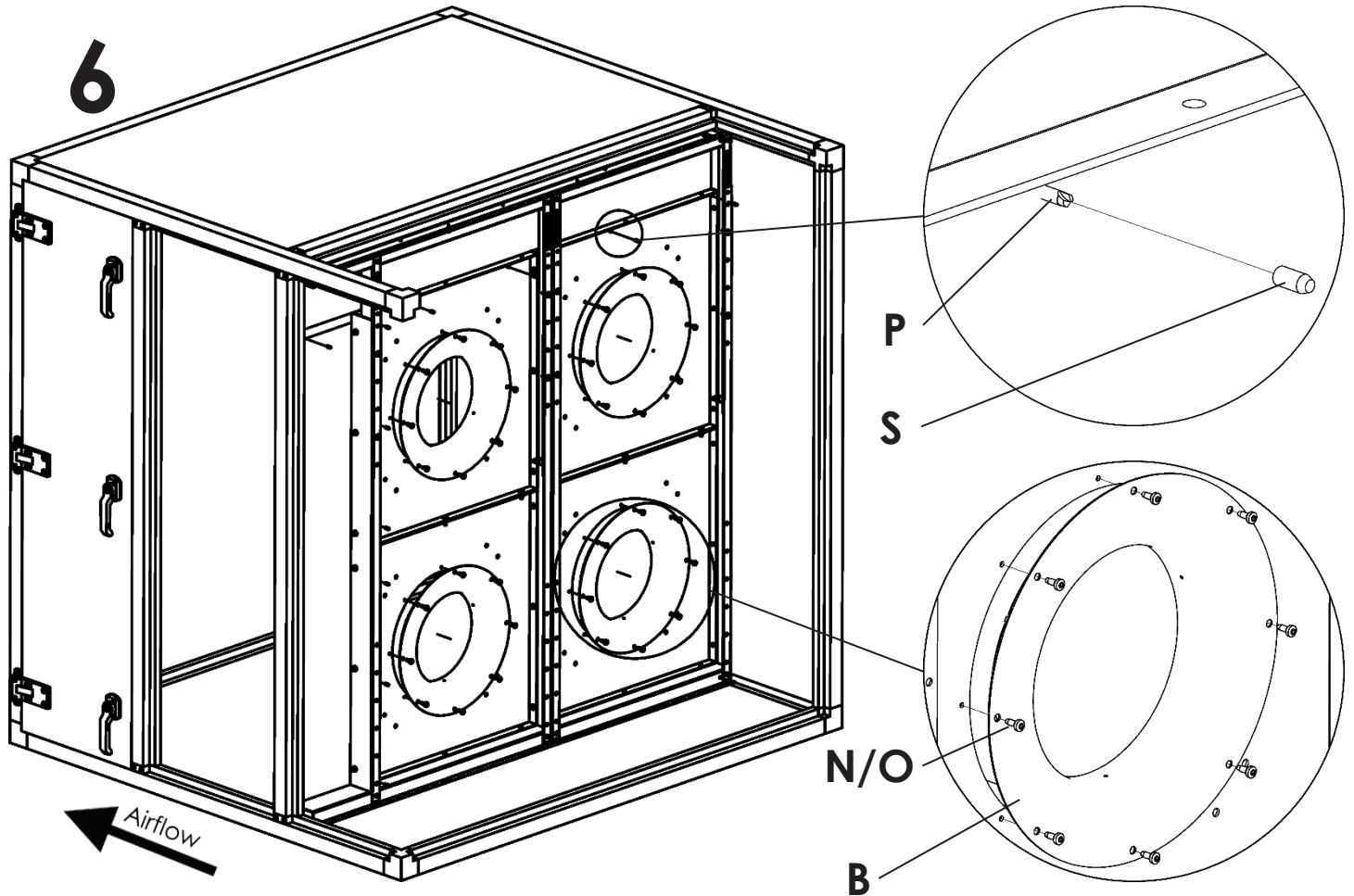


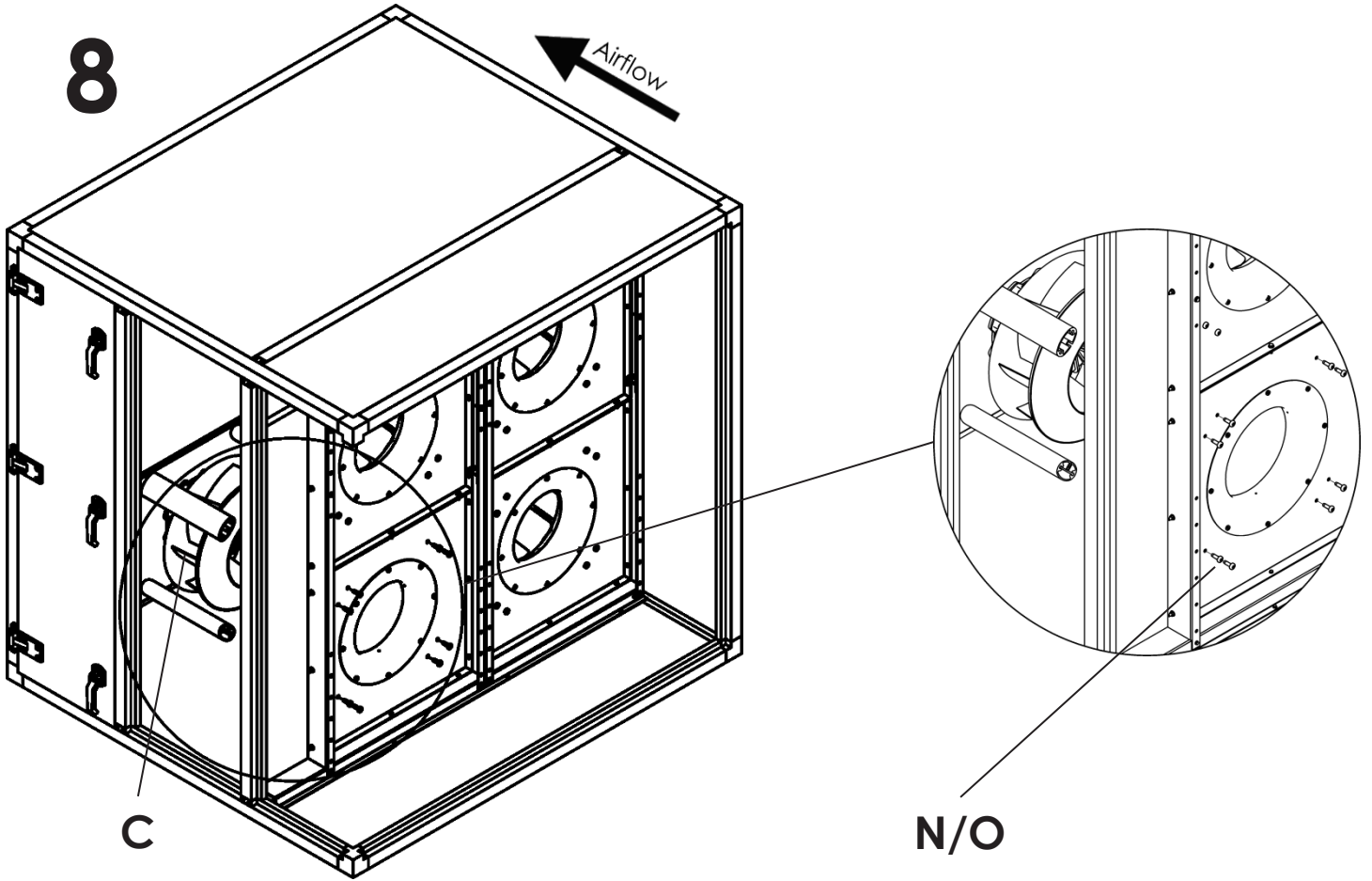


J1 < 80 mm
J2 < 160 mm
J3 < 240 mm
J1+J2+J3 < 500 mm



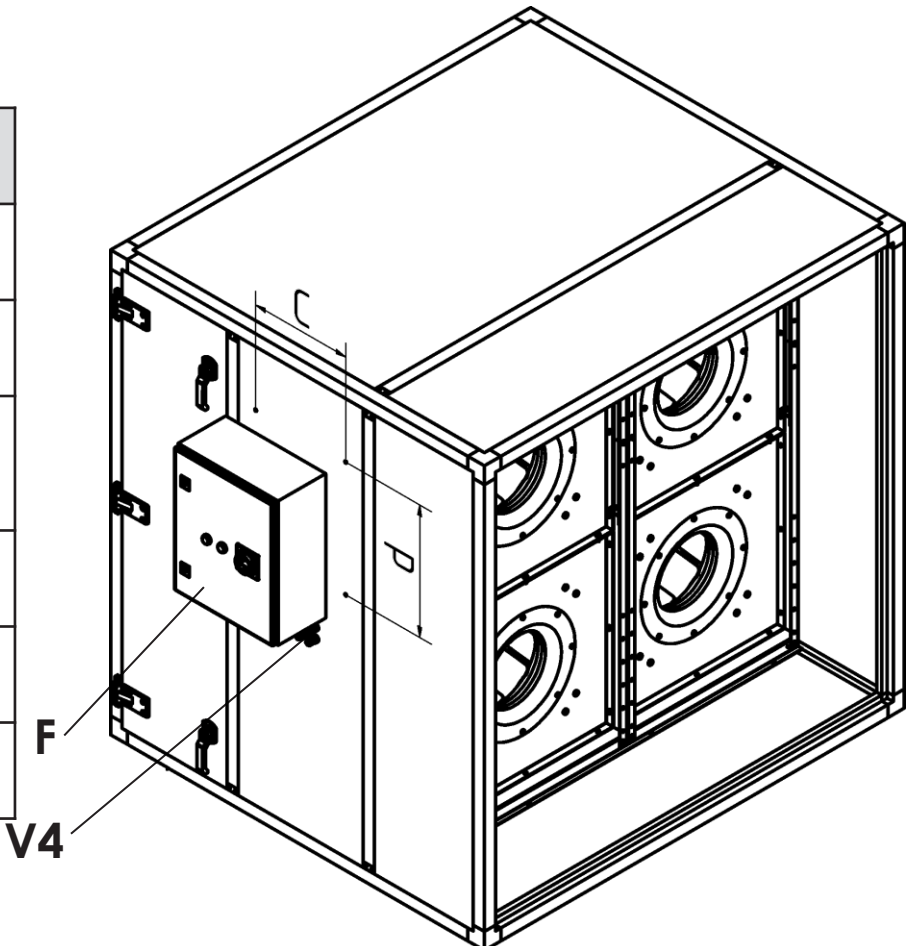
I1 < 80 mm
I2 < 160 mm
I3 < 240 mm
I1+I2+I3 < 500 mm



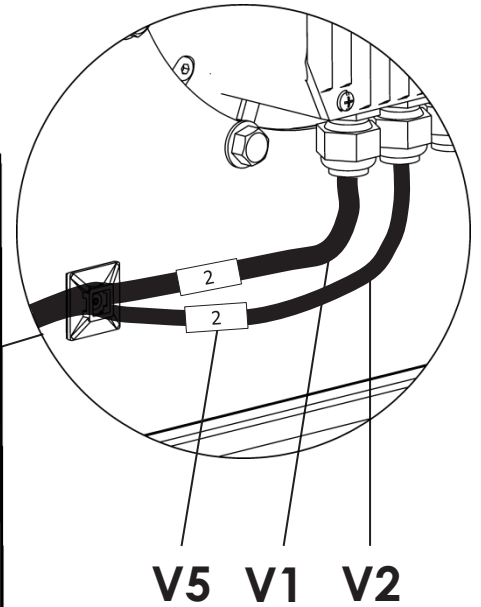
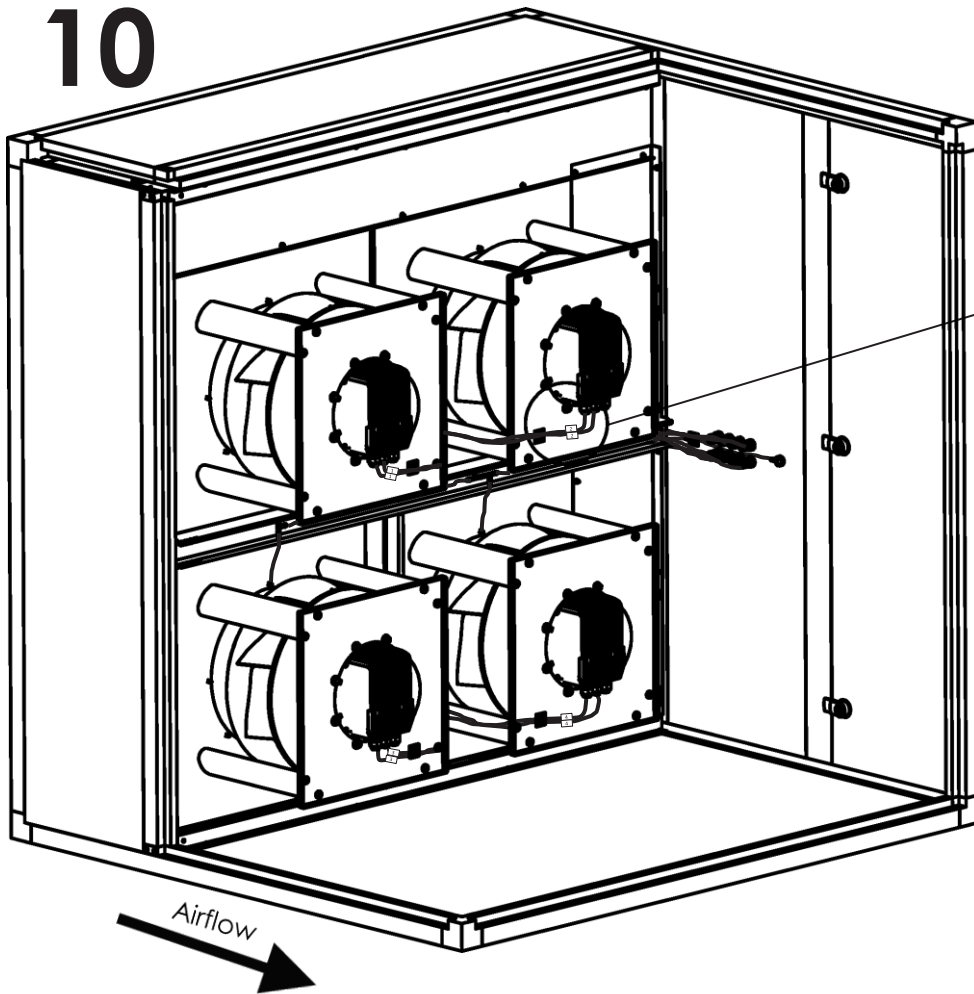


9

Art.-Nr./ Item No.	c [mm]	d [mm]
FG0-02020 FG0-02021	340	340
FG0-02019 FG0-04020	360	460
FG0-04019 FG0-04021 FG0-06020	460	460
FG0-09021 FG0-09021	560	760
FG0-06019 FG0-06021	460	660
FG0-12020 FG0-12021	560	960

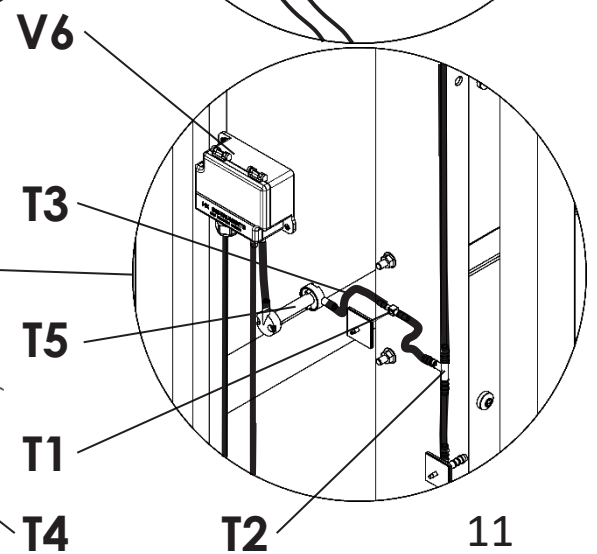
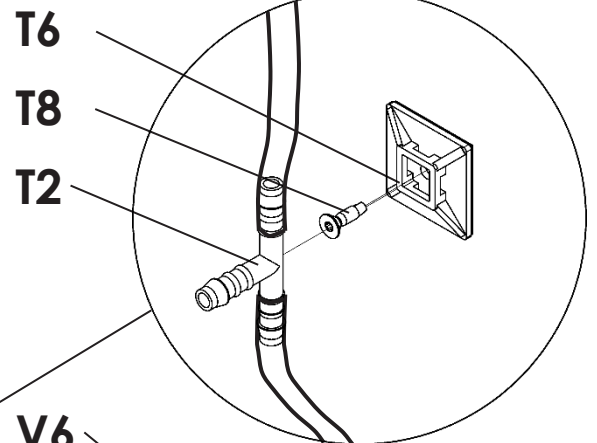
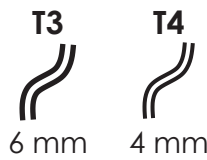
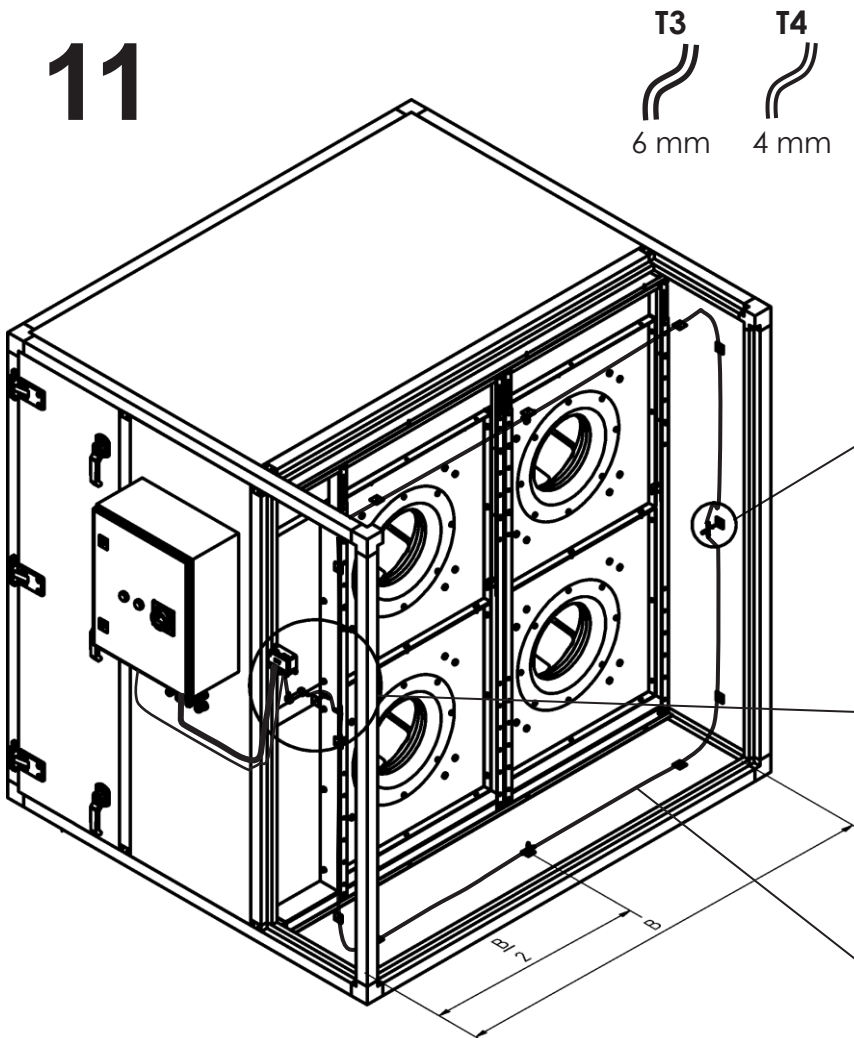


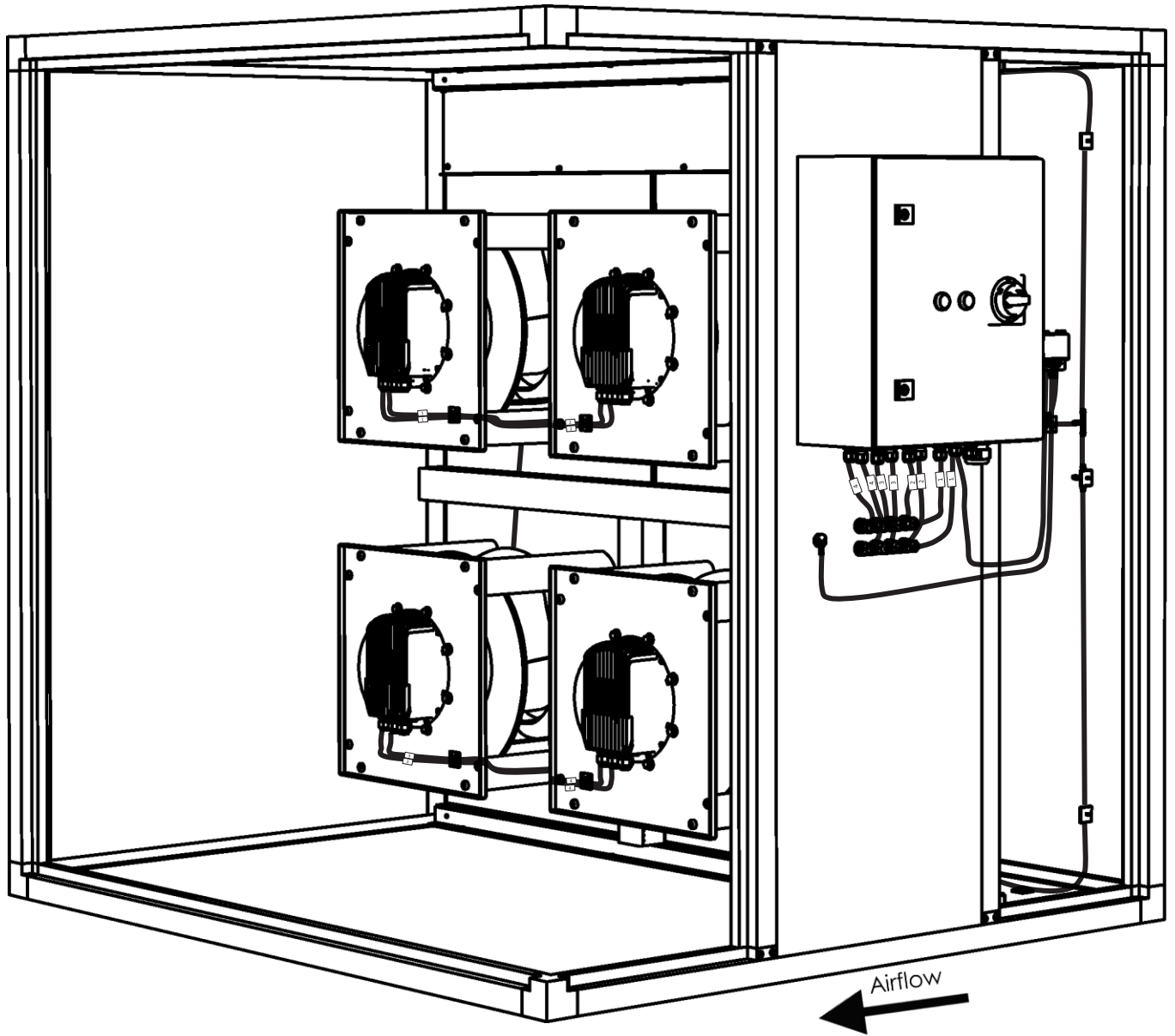
10



4 G 1,5 mm² 12 x 0,25 mm²
4 G 2,5 mm²

11





Supply Only or Full Installation?

Axair has been selecting, integrating and assisting with technical fan installations for over 30 years so we're experts at all kinds of fan integration. We do recognise that many businesses operate with preferred suppliers and as such, have a team to complete the fangrid installation themselves. That's why we offer two procurement options; supply of components only delivered to a site of your choice, or the full installation including removal of old kit and clean up if required.



Flat Packed for Convenience & Easy Installation.

Fan Selection & Supply Only

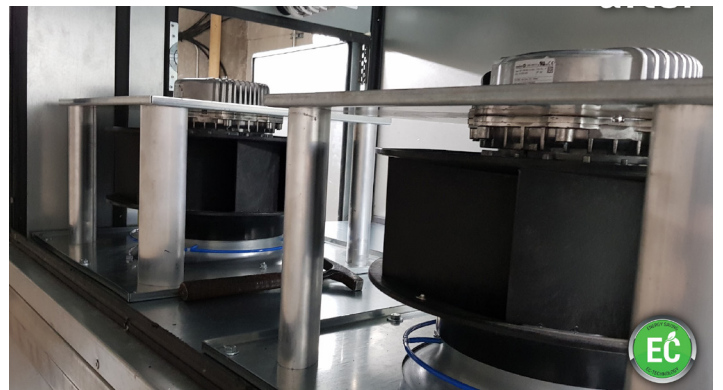
- Site Visit & Needs Audit
- Validation Survey
- Accurate fan selection based on duties
- Proposed system performance data
- Datasheets of all fans selected
- Delivery of flat packed components to site
- Clearly itemised quote
- Installation instructions
- Technical support
- Troubleshooting documents

Fan Selection, Supply & Installation

All as included in supply only plus...

- Expert Installation teams all across the UK
- Energy surveys before & after install*
- Existing fan removal*
- Area hygiene clean*
- Arrange cranes or lifts*
- BMS integration
- Post Commissioning*
- System Servicing*

*included on request, many customer choose to have these services to reduce system downtime or reporting.



What to Expect from Us

Your ECFanGrid Project Schedule

Following initial discussions about your requirements, a typical project schedule is shown below. *Start your journey with us by completing the ECFanGrid specification form on our website.*

Site & AHU Validation Surveys

To ensure that any problems can be identified and incorporated into your project specification as early as possible we can carry out a site validation survey. We'll assess physical condition, compliance and capacity. Site and AHU validation surveys are POA and invoiced in advance of any project quotations.

Energy Surveys

If you'd like to record and compare the efficiency and CO2 reduction of your old and new system we'll take measurements to allow you to present figures to those who need them the most. This can be done at the same time or on a different day than the site and AHU validation survey. POA.

Fan Selection

We'll use our fan selection software RoVent, along with the assessed operating duties and system requirements to determine the right size and configuration for your air movement project.

Discuss Additional Works

We'll discuss any additional works you'd like carrying out at the same time. We'll organise removals, cranes, cleaning and much more if required. All to make the project simple and easy for you.

Quotation

Once we establish your requirements, one of our technical product engineers will prepare a formal quotation for you to review based on the specification and all other key information discussed.

Installation or Delivery

Whether you choose to install the ECFanGrid yourself or have our install team complete the project, we'll deliver the full ECFanGrid kit that contains all mechanical parts, to your specified location and delivery date. We offer competitive lead times and if needed we can supply a wide range of ancillary items to further increase the efficiency of your installation.

Post Commissioning, Service & Technical Support

Our team can be scheduled for post install commissioning and yearly servicing to ensure your ECFanGrid stays running at optimal performance. POA. Our team of technical engineers are also available to answer any technical questions. Contact sales@axair-fans.co.uk or 01782 349 430.



Contact Us

Whatever your issue, concern or question, contact our OEM team using the below contact details. Alternatively, visit our website and open a live chat to start discussions.

01782 349 430

sales@axair-fans.co.uk