# PRO-AIR SUPPLIES PRODUCT CATALOGUE 2022

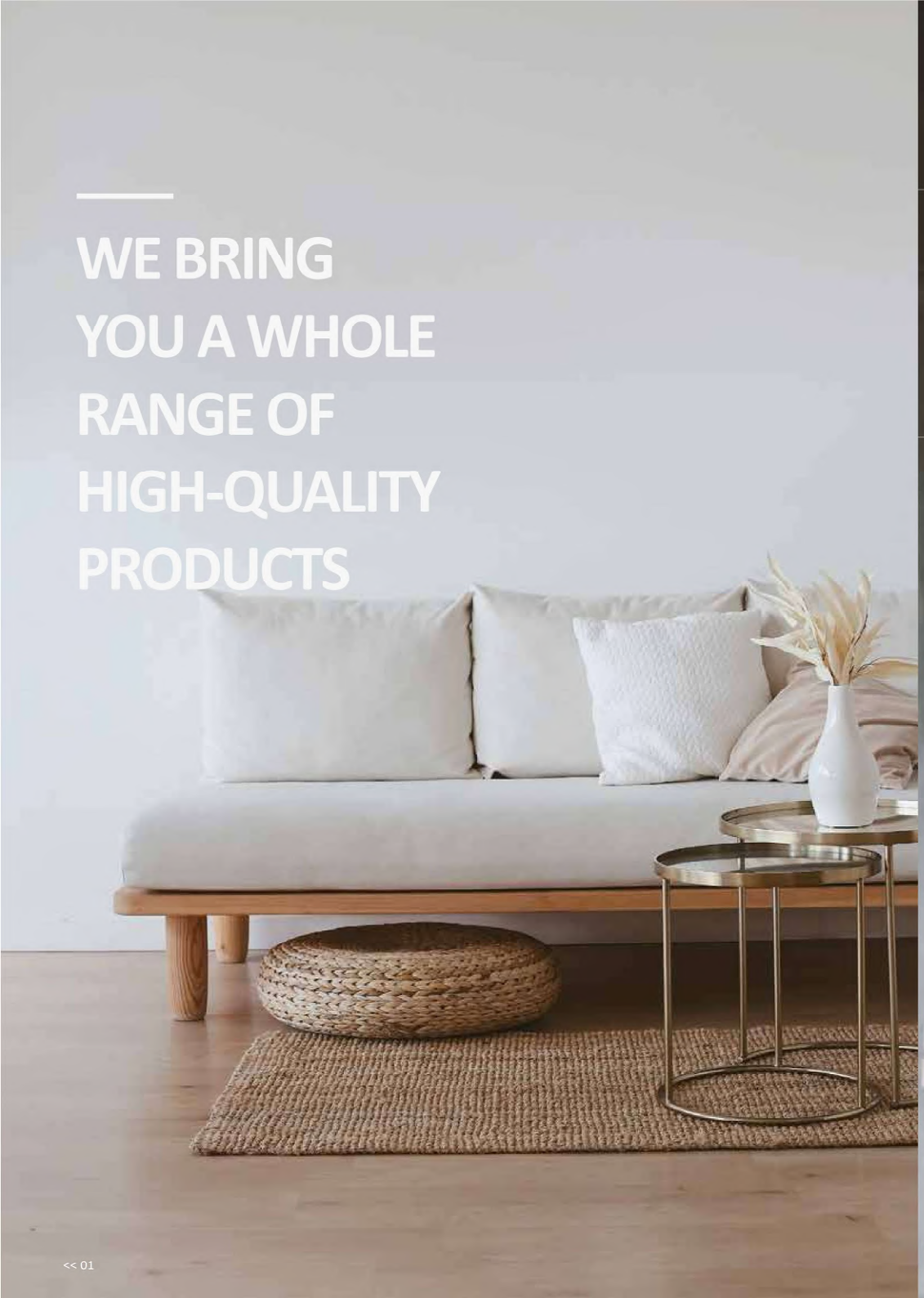
Innovative ideas are easy, but implementaion can be hard. We are here to help and we understand that there is nothing more important than to provide our customers with the highest quality products while constantly improving them with our R&D team. Additionally, we know that the best way to know what our customers want is by simply asking them, and that is why we always ask and listen.


## AIRVENT AUSTRALIA PTY LTD

**National Dispatch Centre:**
A: 3B, 200 Governor Macquarie Drive, Warwick Farm NSW 2084
P: 02 8328 1322 | 1300 123 828
E: info@ductlab.com.au | info@airvent.com.au
W: www.ductlab.com.au | www.airvent.com.au

**Victoria Dispatch Centre:**
A: 2A, Link Road, Pakenham VIC 3810
P: 03 9193 7282 | 1300 123 828
E: info@ductlab.com.au | info@airvent.com.au
W: www.ductlab.com.au | www.airvent.com.au

**Queensland Dispatch Centre:**
A: Building 2, 221 Gooderham Rd, Willawong QLD 4110
P: 1300 123 828
E: info@ductlab.com.au | info@airvent.com.au
W: www.ductlab.com.au | www.airvent.com.au

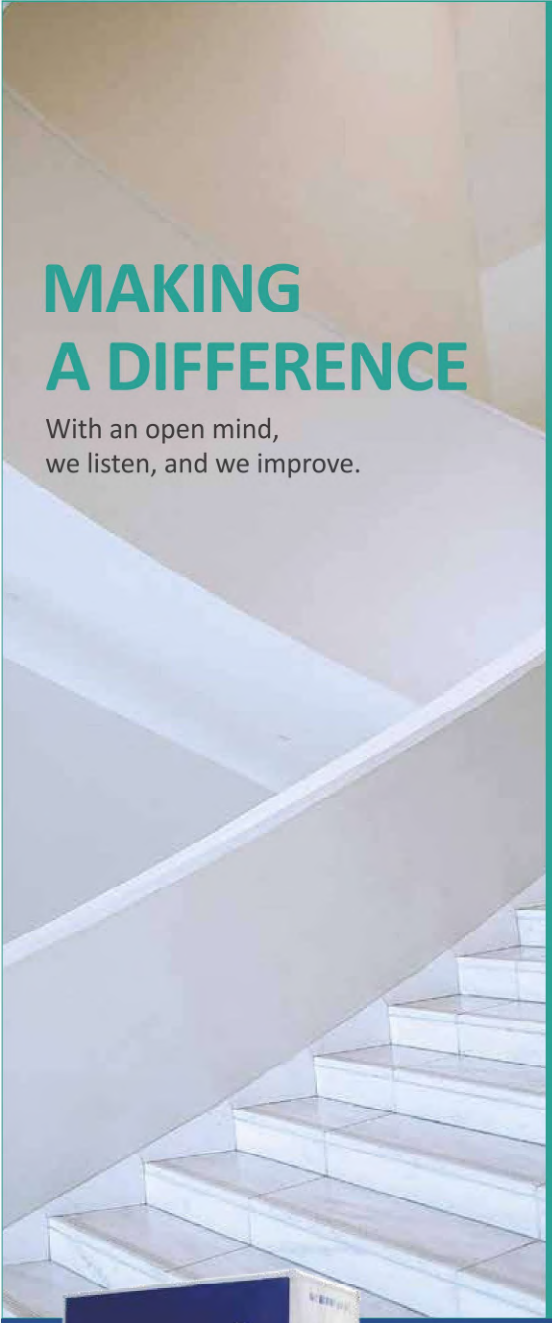


WE BRING YOU A WHOLE RANGE OF HIGH-QUALITY PRODUCTS

# CONTENT



AVTA Product Testing · 100% Recyclable · PVC Made using best environmental practice · CETEC Professional Scientific Solutions · SAA · Green Building Council Australia



# MAKING A DIFFERENCE

With an open mind,
we listen, and we improve.

# ABOUT AIRVENT SUPPLIES

At DUCTLAB, you will find the largest range of low-profile Flat PVC Ducting in Australia used for exhaust and supply air. Our environmentally friendly ducting systems are ideal for limited ceiling space environments in residential, industrial, and commercial applications. Due to its light-weight simple on-site customizability, our systems are installed quicker and with less hassle than conventional ducting systems. This saves time and money.

At AIRVENT, you will find a range of GREENLINE SERIES EC motor fans which feature a precise Pulse Width Modulated (PWM) controlled Brushless DC Electric EC motor. AIRVENT'S EC motors are exceptionally quieter and uses less power than conventional AC-motors.

AT PIRPAC, you will find innovative and acoustically insulated flat pack plenum boxes & ducting. The PIR used to construct PIRPAC products is lightweight and easy to transport. PIRPAC can be handle and install with ease when compared to traditional sheet metal boxes and duct. PICPAC is Green Star compliant product that has a low carbon footprint which helps to reduce the impact it has the environment and our natural resources.


We constantly keep our stock full to ensure that your project runs smoothly and on schedule. Currently we offer next day services to the residents of VIC and NSW. WA and QLD – we are coming soon.



AIRVENT DUCTLAB PIRPAC

## WHO ARE WE

AIRVENT was established in 2019 our company focus is to understand your requirements and provide you with tailored solutions at the highest standard. Our products come with fully complied certification standards and competitive pricing. We promise to deliver on performance and hope to deliver an stress-free easy process.

## WHY CHOOSE US

As a supplier, we understand how important a high-quality product with on time service is for your project. Our focus is to understand your needs, and offer a tailored solution using our products which have full certification. Other than delivering a quality product, we provide competitive pricing as well. As a manufacturer, our products come straight from the manufacturing facility and go directly to your project site.

## FULL COMPLIANCE

Our Flat Duct is fully compliant with Australian standards. Our products are also 100% recyclable with a Green Star Rating, as well is a Best Practice approved PVC product. Please see below for our certifications.

## WORK WITH CONFIDENCE

We provide you with innovative, uniquely designed, and durable products to help with your all your ventilation issues. Our products have been airflow performance tested by the third-party testing authorities. Our products are easy to install, store, and transport.

## COMPLIANCE CERTIFICATION

**AWTA1530.3-1999**
This Standard sets out a test method for the assessment of building materials and components according to—(a) their tendency to ignite;(b) their tendency to propagate flame;(c) the heat they release once ignition has occurred; and(d) their tendency to release smoke.

**AS4254.2**
Sets out requirements for materials, construction, and installation, including some aspects of performance, for ductwork for air-handling systems in buildings and facilities, including systems designed in accordance with requirements of AS/NZS 1668.1 and AS 1668.2

**UIL-181.11**
This requirement applies to materials for the fabrication of air duct and air connector systems for use in accordance with the International Mechanical Code (IMC), International Residential Code (IRC), and Uniform Mechanical Code (UMC), Standards of the Nationa

**BEP - Best Environment Practice**
In 2010 the Green Building Council of Australia (GBCA) reviewed its Green Star rating tool and under a new approach, the use of Iplex PVC pressure and non-pressure pipe, conduit and fittings can assist buildings to qualify for up to two positive credit points where pipe and fittings can be shown to comply with the GBCA "Best Practice Guidelines for PVC in the Built Environment"

**VOC Emission**
Volatile organic compounds (VOCs) are emitted as gases from certain solids or liquids. VOCs include a variety of chemicals, some of which may have short- and long-term adverse health effects.

**SAA**
SAA Approvals is a third-party certification body accredited to issue of Certificates of Approval for declared and non-declared electrical equipment that has proven to comply with the safety requirements of the

# 01
# DUCTLAB

**LOW PROFILE DUCTING SYSTEM**

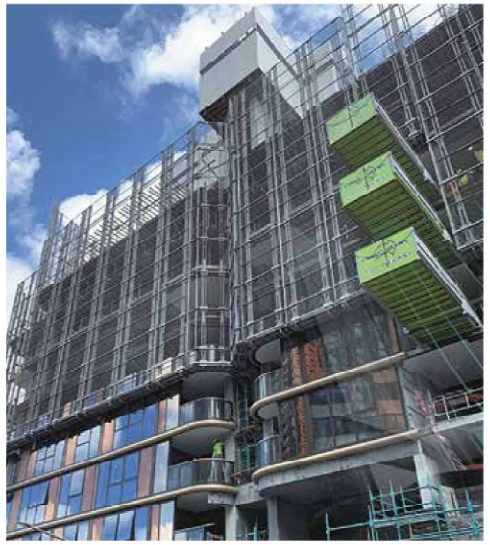
## A solution to NCC 2019 section J 5.4

Which requires a pressure loss that does not exceed 1 Pa/m on the average of the straight duct sections in a run, we have launched new duct size which is 500mm x75mm. This duct size will allow for a maximum airflow of 110 l/s while still complying with this standard. This means kitchen range-hoods can still use PVC and up to two bathrooms and a laundry can all be connected to the same run of duct.



# LOW PROFILE
## FLAT PVC DUCTING **SYSTEM**

DUCTLAB



## AT DUCTLAB AUSTRALIA

We possess the largest range of low profile flat PVC duct systems across Australia. Our environmental friendly duct system is perfect for limited ceiling spaces in residential, commercial, and industrial buildings. The systems are complemented with a wide variety of fittings and duct sizes designed to suit your ductwork solutions and architectural needs.
Our Flat Duct comes in SIX different sizes with easy to mounting fittings. Our products can be easily installed without the need for special tools complicated assembly processes. We simplified the process to make your job easy.

# SELF-SEAL
## EASY CLIP SERIES (avail. 2023/24)

Lightweight, durable, and fully compliant – our self-seal easy clip series are designed to be installer friendly by using the “push, click, and lock” mechanism. They are compatible with our standard range of PVC Ducting and can be fixed using our PVC coated banding.

### Push-to-Seal


Quick & Easy "Push-to-Seal" fittings

### Easy-Clip Series


Easy Snap on "Push-to-Clip" duct clip

# COLLAPSIBLE DUCTING
Avail. 2023/24

# COMPACT & EASY
## SAVING OVER 50% of SPACE

Our collapsible ducting is an innovative design which can save over 50% of space in transport and storage. We use a highly durable PVC material which makes it easy to fold and unfold the ducting. Our collapsible ducting is easy to use, compact, and stress-free. Transportion, storage, and installation of our ducting will save you time, money, and hassle.

**Innovative Design**

Patent-pending design, innovative technology, and First-seen innovative technology.

**Perfect Solution**

A perfect space saving solution that will save you time, money and space.

**Long lasting**

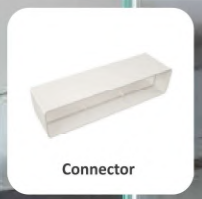
High durability materials used to make the ducting easily compact and long-lasting.

# LARGEST RANGE

At DUCTLAB AUSTRALIA, we carry the largest range of low-profile flat PVC duct systems across Australia. Our environmentally friendly duct system is ideal for limited ceiling space environments in residential, industrial, and commercial applications. Ductlab's ducting systems are the perfect solution for toilet exhaust, kitchen exhaust, and other exhaust needs.

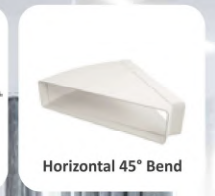

## LOW PROFILE PVC DUCTING SYSTEM

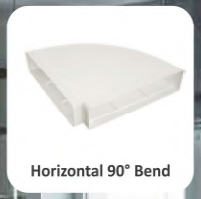

PVC Duct (6 sizes)


Connector


Duct Clip (plastic)


Duct Clip (metal)


Horizontal 45° Bend


Horizontal 90° Bend


Vertical 45° Bend


Vertical 90° Bend


Square to Round 150 dia

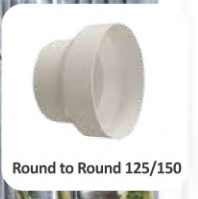

Square to Round 200 dia


Adj Rangehood 150 dia


T Piece Connector


Oval to Rectangle 150 dia


Oval to Rectangle 200 dia


Round to Round 125/150


Round to Round 150/200

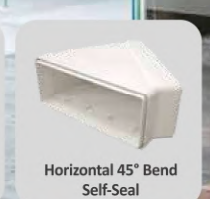

90 degree Elbow


Flexible Connector ( 3 sizes)

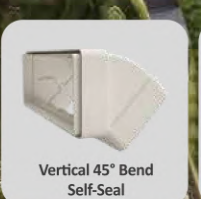

Connector with Damper


300 to 220 Reducer

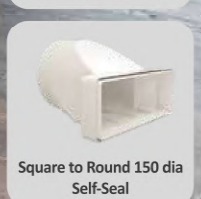

Connector - Self Seal


Horizontal 45° Bend Self-Seal


Horizontal 90° Bend Self-Seal

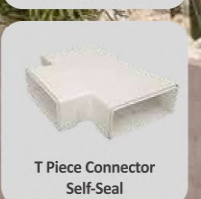

Vertical 45° Bend Self-Seal


Vertical 90° Bend Self-Seal

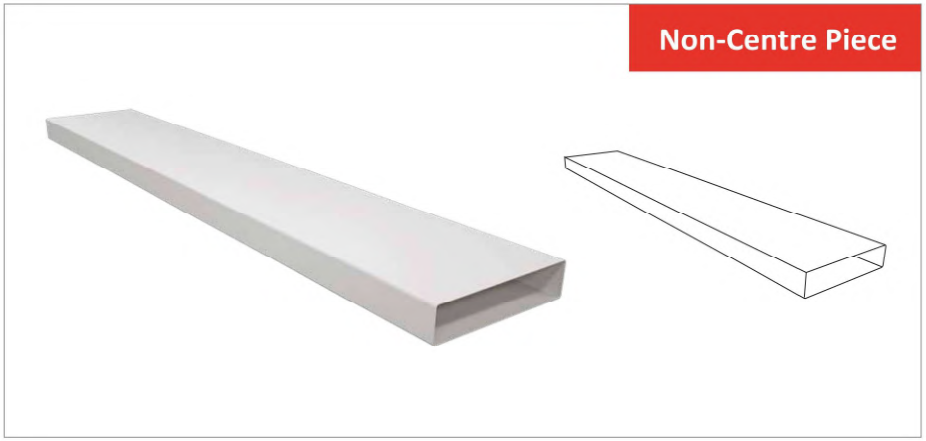

Square to Round 150 dia Self-Seal


Square to Round 200 dia Self-Seal


Adj Rangehood 150 dia Self-Seal


T Piece Connector Self-Seal

## **PVC Duct (6 sizes)** – Performance Data

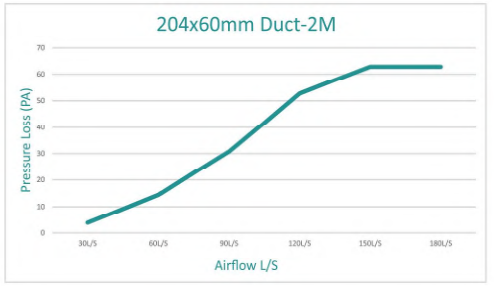


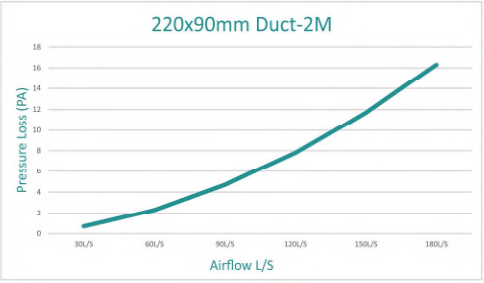

PERFORMANCE DATA

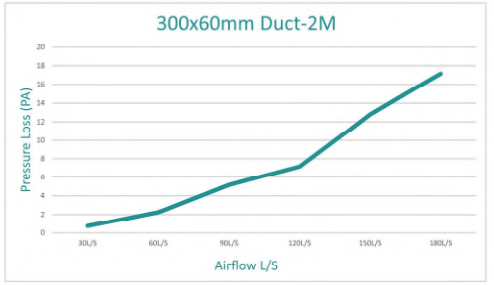
| | 30L/S | 60L/S | 90L/S | 120L/S | 150L/S | 180L/S |
|---|---|---|---|---|---|---|
| 204x60mm Channel Duct-2M | 3.9 | 14.4 | 30.8 | 52.7 | 62.85 | 62.85 |
| 220x90mm Channel Duct-2M | 0.7 | 2.3 | 4.7 | 7.8 | 11.7 | 16.3 |
| 300x60mm Channel Duct-2M | 0.75 | 2.25 | 5.15 | 7.15 | 12.8 | 17.15 |
| 320x75mm Channel Duct-2M | 0.55 | 1.85 | 4.85 | 6.79 | 12.3 | 15.2 |
| 350x75mm Channel Duct-2M | 0.35 | 1.2 | 2.6 | 4.1 | 6.9 | 10.5 |
| 500x75mm Channel Duct-2M | 0.18 | 0.68 | 1.48 | 2.58 | 3.94 | 5.56 |

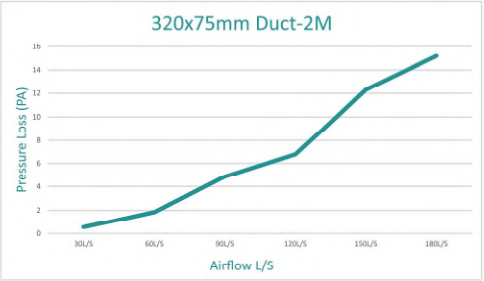
Airflow Litres per second (L/S) Pressure Lost Pa

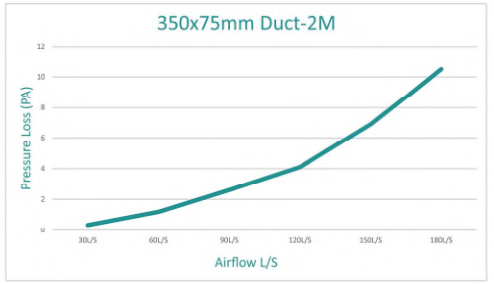
## **PVC Duct (6 sizes)** – Performance Data

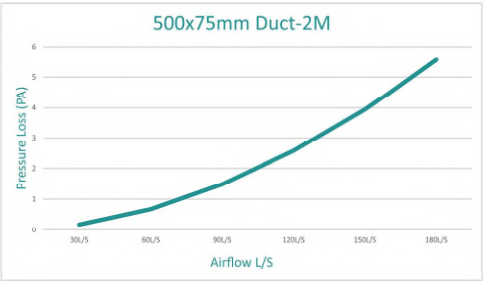


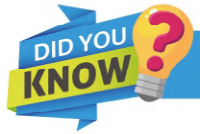



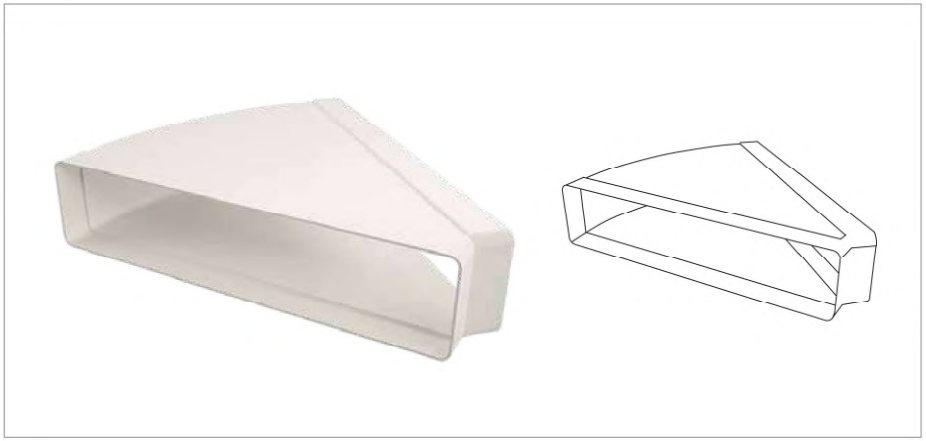




- First in Australia, our new 500mm x 75mm will meet NCC 2019 Section J requirement.
- We can customize colour or make new fittings without charing tooling fees.

## **Horizontal 45° Bend** – Performance Data

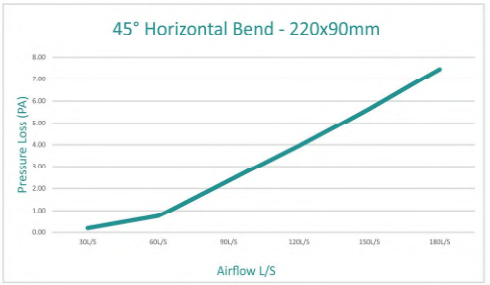


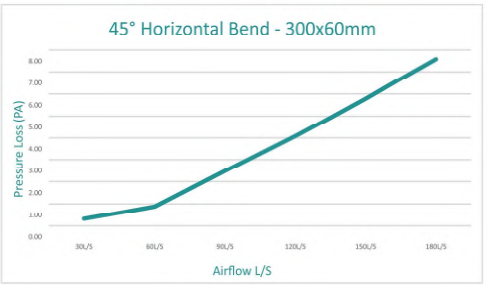
PERFORMANCE DATA

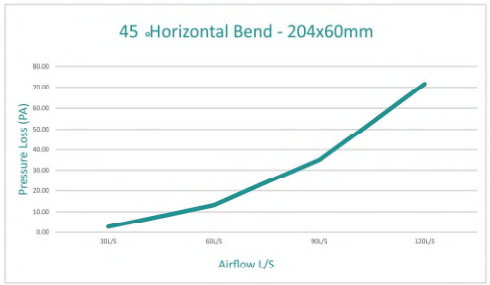
| Product | | 30L/S | 60L/S | 90L/S | 120L/S | 150L/S | 180L/S |
|---|---|---|---|---|---|---|---|
| 45° Horizontal Bend | 204x60mm | 2.70 | 13.2 | 35.00 | 71.60 | - | - |
| 45° Horizontal Bend | 220x90mm | 0.19 | 0.75 | 2.35 | 3.95 | 5.65 | 7.45 |
| 45° Horizontal Bend | 300x60mm | 0.32 | 0.88 | 2.48 | 4.08 | 5.78 | 7.58 |
| 45° Horizontal Bend | 320x75mm | 0.15 | 0.60 | 2.00 | 3.20 | 4.60 | 6.30 |
| 45° Horizontal Bend | 350x75mm | 0.12 | 0.45 | 1.75 | 2.85 | 4.25 | 5.65 |
| 45° Horizontal Bend | 500x75mm | 0.08 | 0.31 | 1.19 | 1.94 | 2.89 | 3.84 |

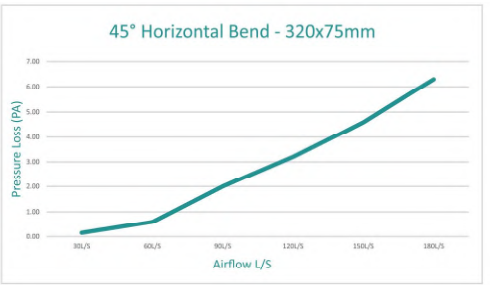
Airflow Litres per second (L/S) Pressure Lost Pa

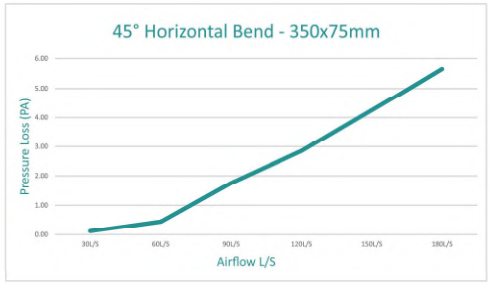
**Horizontal 45° Bend** – Performance Data

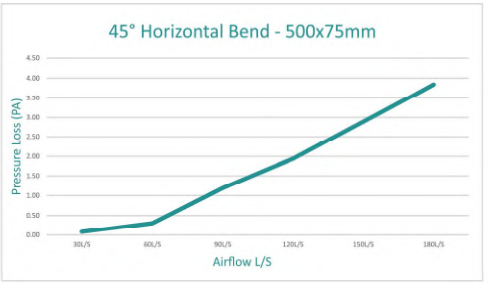


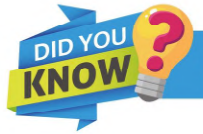



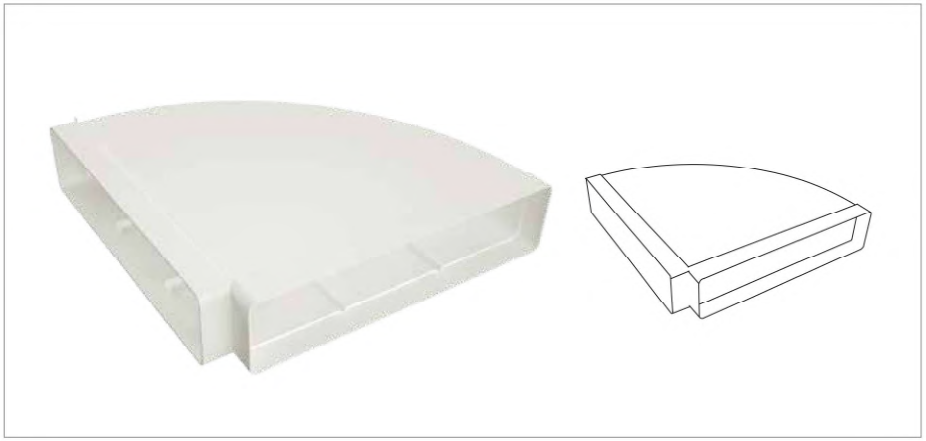




- First in Australia, our new 500mm x 75mm will meet NCC 2019 Section J requirement.
- We can customize colour or make new fittings without charing tooling fees.

## **Horizontal 90° Bend** – Performance Data

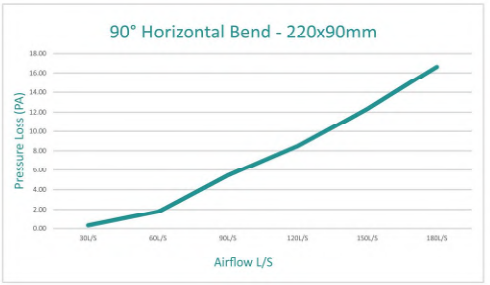


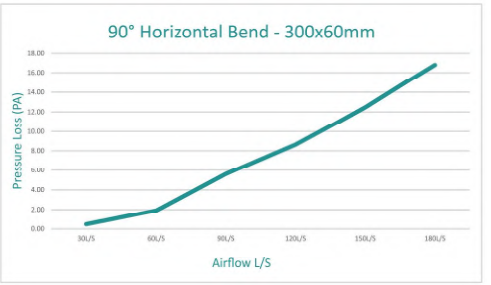
PERFORMANCE DATA

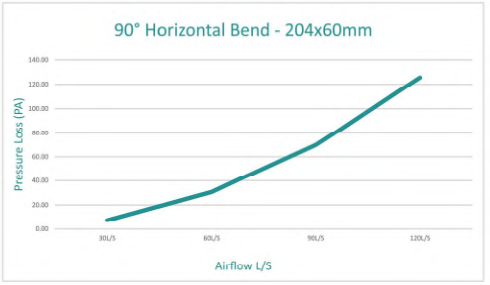
| Product | | 30L/S | 60L/S | 90L/S | 120L/S | 150L/S | 180L/S |
|---|---|---|---|---|---|---|---|
| 90° Horizontal Bend | 204x60mm | 7.50 | 30.60 | 69.90 | 125.60 | - | - |
| 90° Horizontal Bend | 220x90mm | 0.32 | 1.76 | 5.44 | 8.48 | 12.32 | 16.64 |
| 90° Horizontal Bend | 300x60mm | 0.48 | 1.92 | 5.60 | 8.64 | 12.48 | 16.8 |
| 90° Horizontal Bend | 320x75mm | 0.19 | 1.85 | 3.23 | 5.04 | 7.32 | 9.88 |
| 90° Horizontal Bend | 350x75mm | 0.18 | 1.2 | 2.98 | 4.64 | 6.74 | 9.10 |
| 90° Horizontal Bend | 500x75mm | 0.12 | 0.65 | 2.02 | 3.15 | 4.58 | 6.19 |

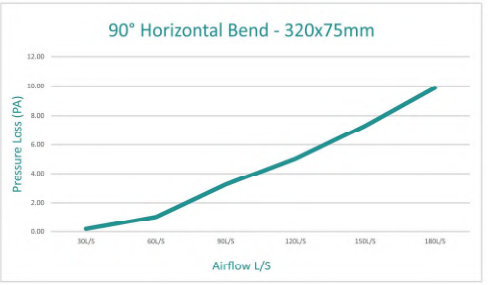
Airflow Litres per second (L/S) Pressure Lost Pa

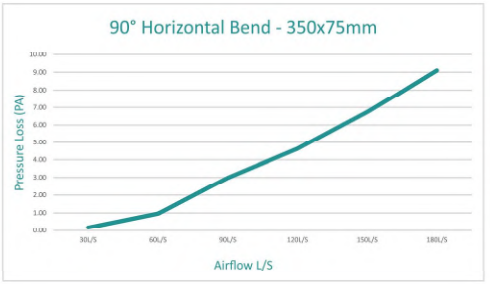
**Horizontal 90° Bend** – Performance Data

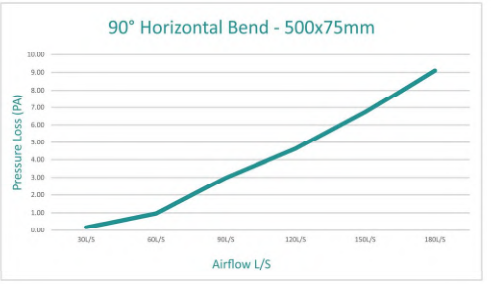



DID YOU KNOW

- First in Australia, our new 500mm x 75mm will meet NCC 2019 Section J requirement.
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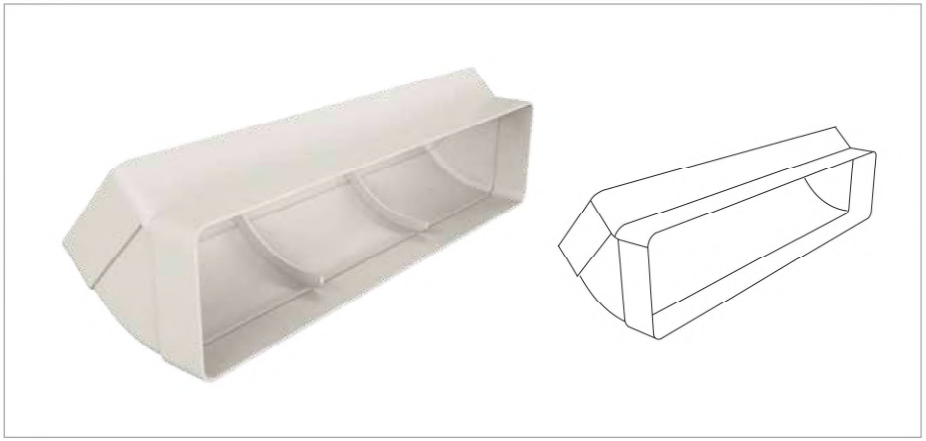
## **Vertical 45° Bend** – Performance Data

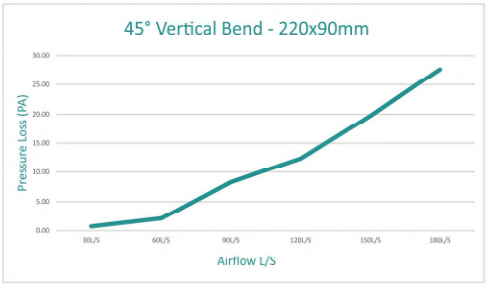


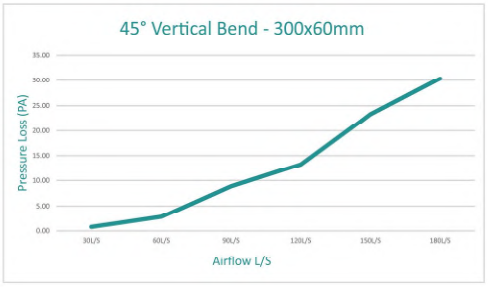
PERFORMANCE DATA

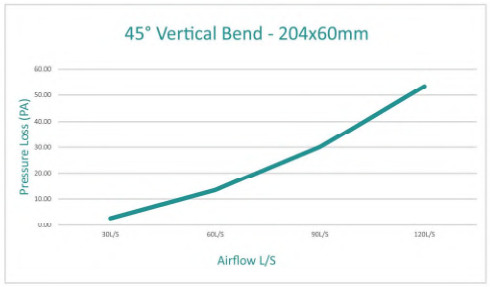
| Product | | 30L/S | 60L/S | 90L/S | 120L/S | 150L/S | 180L/S |
|---|---|---|---|---|---|---|---|
| 45° Vertical Bend | 204x60mm | 2.70 | 13.40 | 30.10 | 53.40 | - | - |
| 45° Vertical Bend | 220x90mm | 0.73 | 2.11 | 8.28 | 12.34 | 19.71 | 27.62 |
| 45° Vertical Bend | 300x60mm | 0.80 | 2.85 | 8.86 | 13.21 | 23.31 | 30.32 |
| 45° Vertical Bend | 320x75mm | 0.47 | 1.85 | 7.41 | 11.45 | 16.53 | 26.60 |
| 45° Vertical Bend | 350x75mm | 0.43 | 1.62 | 6.74 | 10.21 | 14.67 | 22.12 |
| 45° Vertical Bend | 500x75mm | 0.29 | 1.10 | 4.58 | 6.94 | 9.98 | 15.04 |

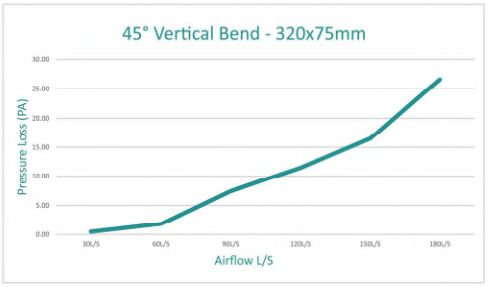
Airflow Litres per second (L/S) Pressure Lost Pa

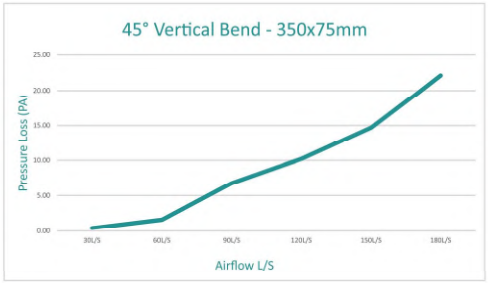
## **Vertical 45° Bend** – Performance Data

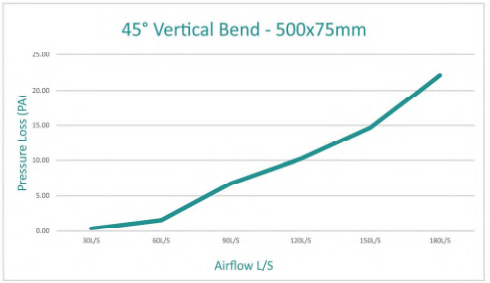



DID YOU KNOW

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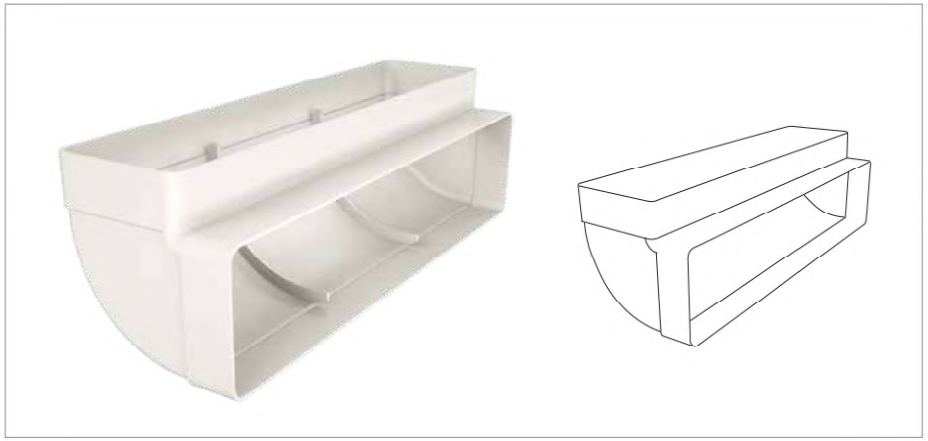
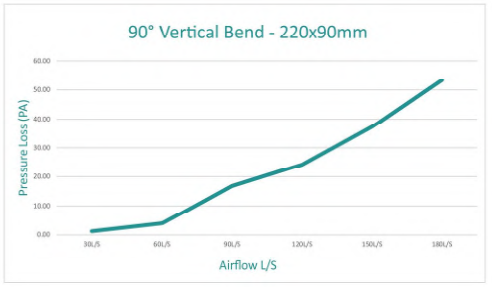
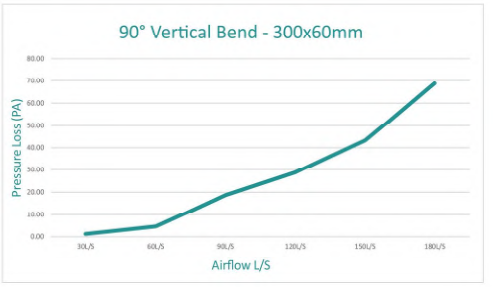
## **Vertical 90° Bend** – Performance Data

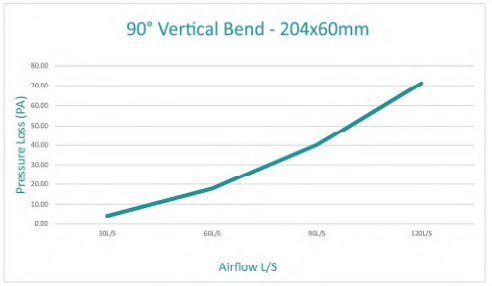


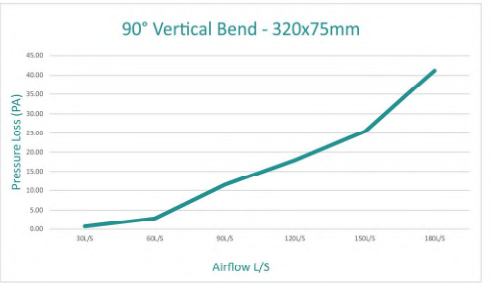
| PERFORMANCE DATA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Product | | 30L/S | 60L/S | 90L/S | 120L/S | 150L/S | 180L/S |
| 90° Vertical Bend | 204x60mm | 4.50 | 17.90 | 40.20 | 71.2 | - | - |
| 90° Vertical Bend | 220x90mm | 1.26 | 3.98 | 16.77 | 24.10 | 37.30 | 53.30 |
| 90° Vertical Bend | 300x60mm | 1.35 | 4.60 | 18.76 | 28.79 | 43.26 | 68.72 |
| 90° Vertical Bend | 320x75mm | 0.74 | 2.84 | 11.43 | 17.92 | 25.48 | 41.21 |
| 90° Vertical Bend | 350x75mm | 0.67 | 2.63 | 10.65 | 16.53 | 23.84 | 37.68 |
| 90° Vertical Bend | 500x75mm | 0.46 | 1.79 | 7.242 | 11.24 | 16.21 | 25.62 |
| Airflow Litres per second (L/S) Pressure Lost Pa | | | | | | | |

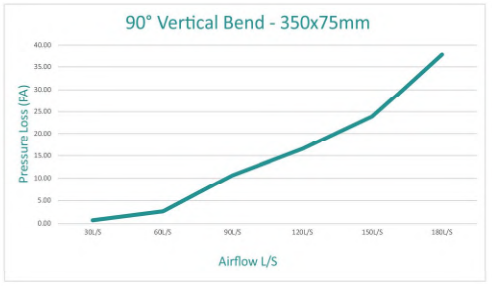
**Vertical 90° Bend** – Performance Data

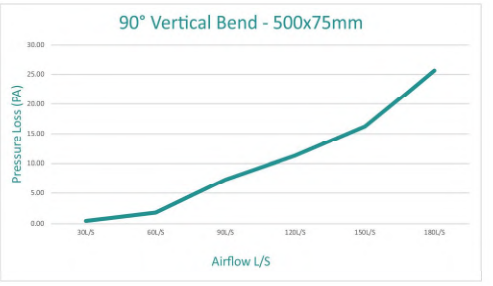


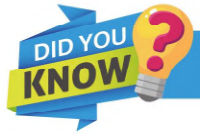

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## **Square to Round 150 dia** – Performance Data

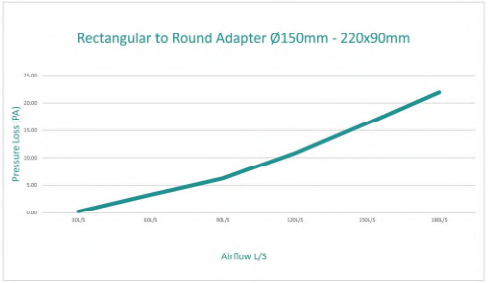
PERFORMANCE DATA

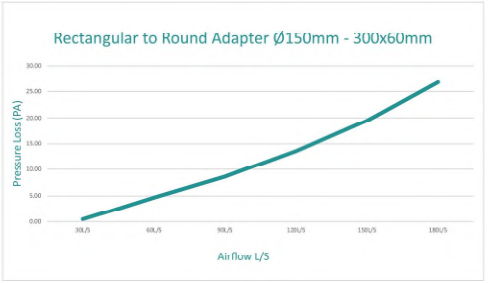
| Product | | 30L/S | 60L/S | 90L/S | 120L/S | 150L/S | 180L/S |
|---|---|---|---|---|---|---|---|
| Rectangular to Round Adapter Ø150mm | 204x60mm | 5.90 | 23.50 | 52.90 | 94.10 | - | - |
| Rectangular to Round Adapter Ø150mm | 220x90mm | 0.32 | 3.27 | 6.23 | 10.86 | 16.32 | 21.92 |
| Rectangular to Round Adapter Ø150mm | 300x60mm | 0.48 | 4.64 | 8.64 | 13.60 | 19.52 | 26.72 |
| Rectangular to Round Adapter Ø150mm | 320x75mm | 0.29 | 2.76 | 5.13 | 8.08 | 11.59 | 15.87 |
| Rectangular to Round Adapter Ø150mm | 350x75mm | 0.26 | 2.12 | 3.89 | 6.32 | 9.12 | 12.86 |
| Rectangular to Round Adapter Ø150mm | 500x75mm | 0.18 | 1.44 | 2.65 | 4.30 | 6.20 | 8.74 |

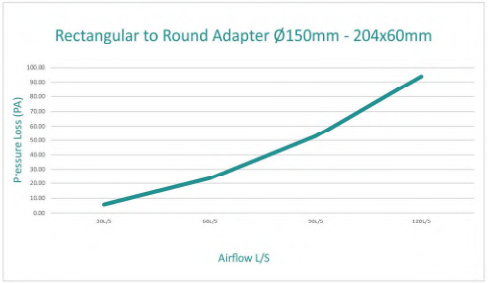
Airflow Litres per second (L/S) Pressure Lost Pa

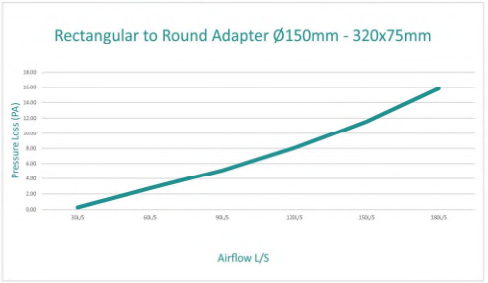


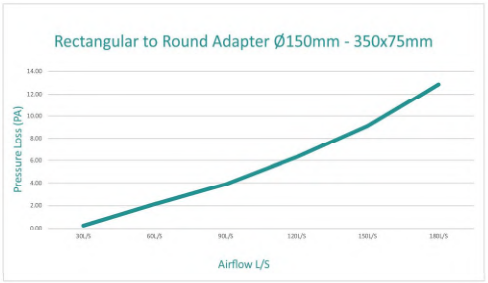
**Square to Round 150 dia** – Performance Data

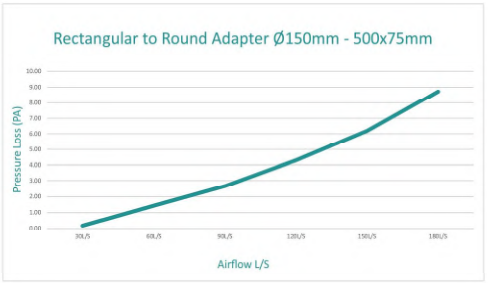



DID YOU KNOW?

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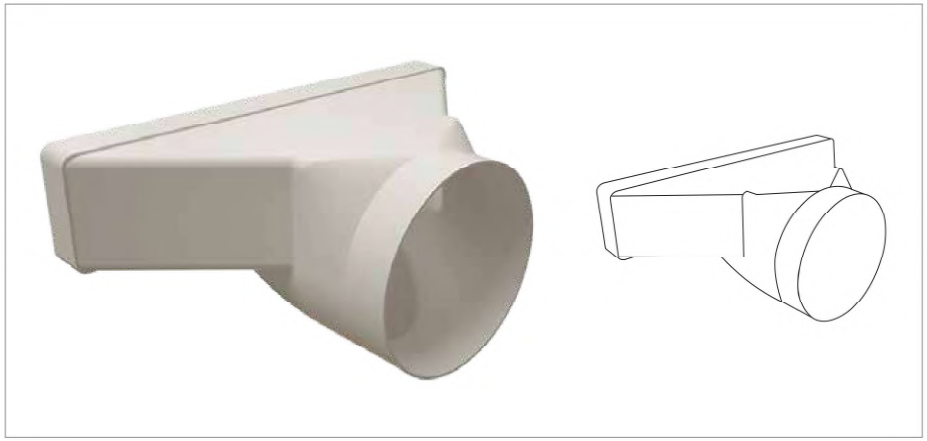
## **Square to Round 200 dia** – Performance Data



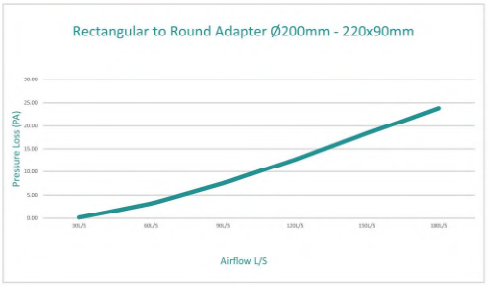
PERFORMANCE DATA

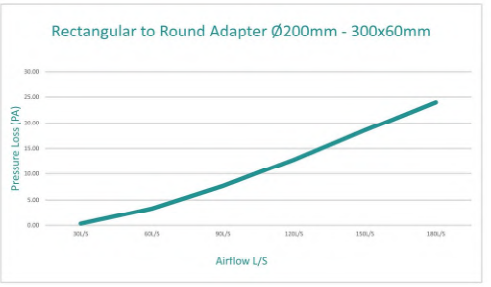
| Product | | 30L/S | 60L/S | 90L/S | 120L/S | 150L/S | 180L/S |
|---|---|---|---|---|---|---|---|
| Rectangular to Round Adapter Ø200mm | 204x60mm | 6.72 | 11.08 | 20.51 | 46.15 | - | - |
| Rectangular to Round Adapter Ø200mm | 220x90mm | 0.16 | 3.20 | 7.52 | 12.64 | 18.40 | 23.84 |
| Rectangular to Round Adapter Ø200mm | 300x60mm | 0.32 | 3.36 | 7.68 | 12.80 | 18.56 | 24.00 |
| Rectangular to Round Adapter Ø200mm | 320x75mm | 0.19 | 1.995 | 4.56 | 7.60 | 11.02 | 14.25 |
| Rectangular to Round Adapter Ø200mm | 350x75mm | 0.175 | 1.83 | 4.07 | 6.32 | 9.11 | 12.04 |
| Rectangular to Round Adapter Ø200mm | 500x75mm | 0.119 | 1.2444 | 2.7676 | 4.2976 | 6.1948 | 8.1872 |

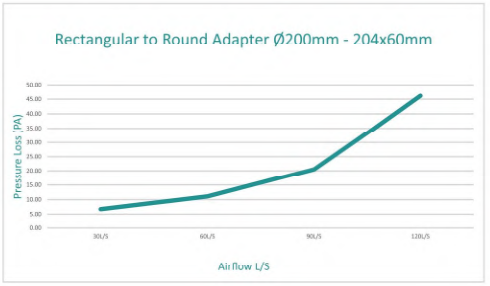
Airflow Litres per second (L/S) Pressure Lost Pa

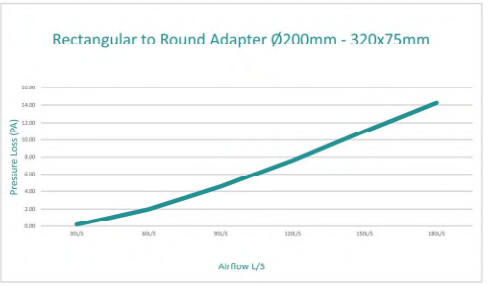


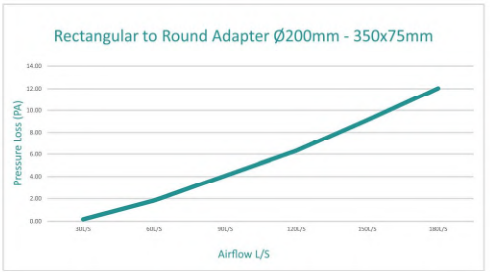
**Square to Round 200 dia** – Performance Data

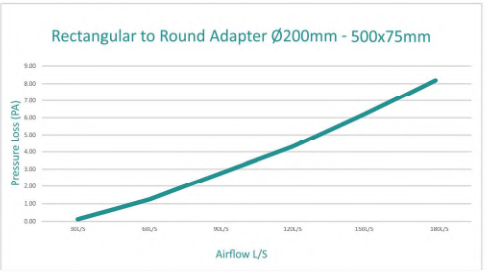


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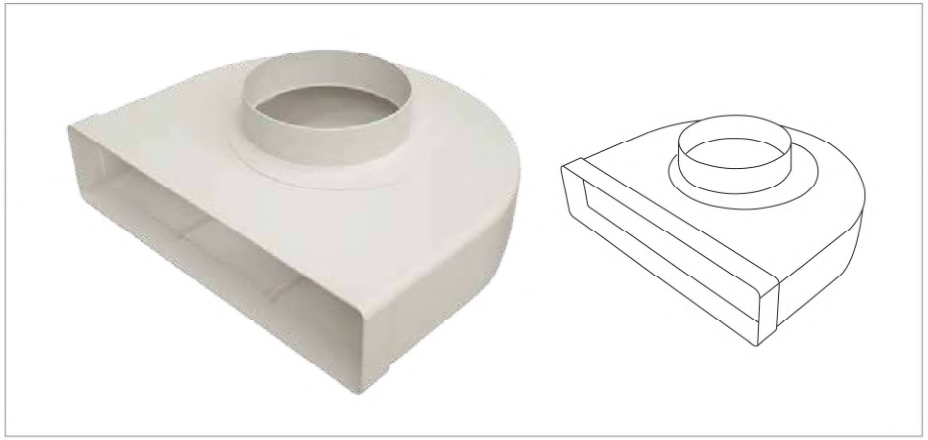
## **Adjustable Rangehood 150 dia** – Performance Data

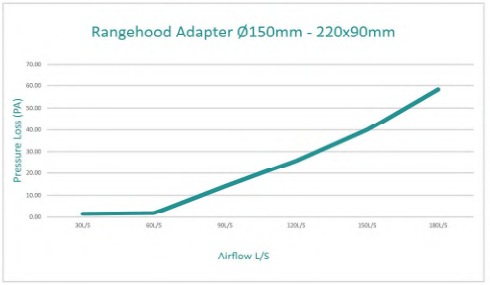
**Adjustable Rangehood 150 dia** – Performance Data

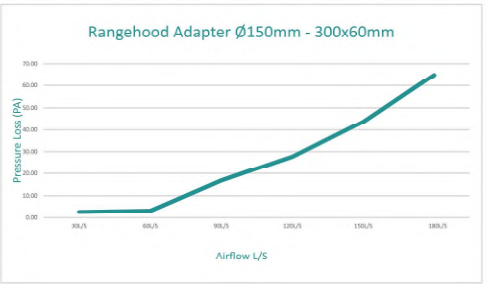


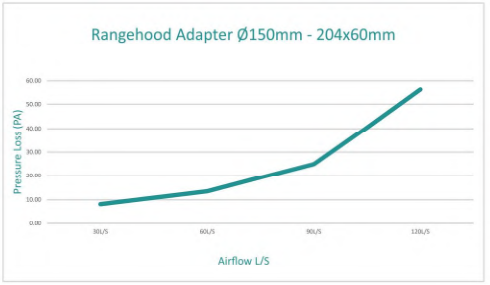
PERFORMANCE DATA

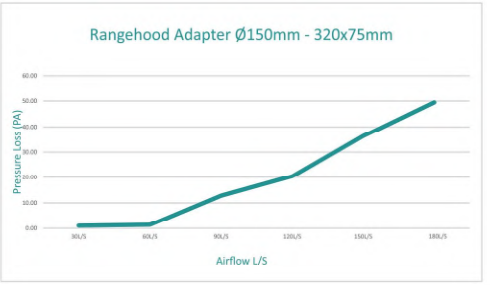
| Product | | 30L/S | 60L/S | 90L/S | 120L/S | 150L/S | 180L/S |
|---|---|---|---|---|---|---|---|
| Rangehood Adapter Ø150mm | 204x60mm | 8.16 | 13.464 | 24.9084 | 56.0439 | - | - |
| Rangehood Adapter Ø150mm | 220x90mm | 1.60 | 1.92 | 14.02 | 25.71 | 40.02 | 58.25 |
| Rangehood Adapter Ø150mm | 300x60mm | 2.67 | 3.24 | 16.78 | 27.65 | 43.72 | 64.782 |
| Rangehood Adapter Ø150mm | 320x75mm | 1.045 | 1.42 | 12.7965 | 20.3585 | 36.385 | 49.495 |
| Rangehood Adapter Ø150mm | 350x75mm | 0.9625 | 1.1375 | 11.78625 | 18.75125 | 33.5125 | 45.5875 |
| Rangehood Adapter Ø150mm | 500x75mm | 0.6545 | 0.7735 | 8.01465 | 12.75085 | 22.7885 | 30.9995 |

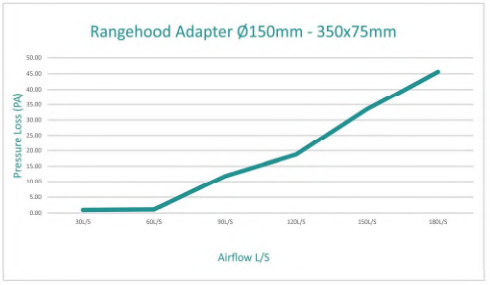
Airflow Litres per second (L/S) Pressure Lost Pa

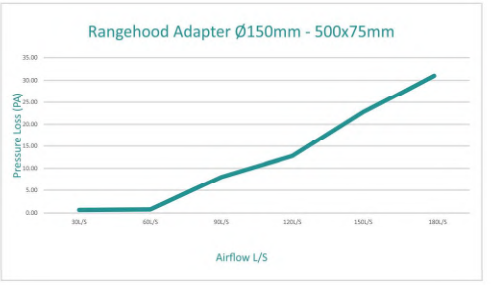


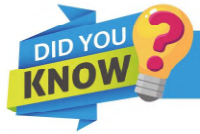

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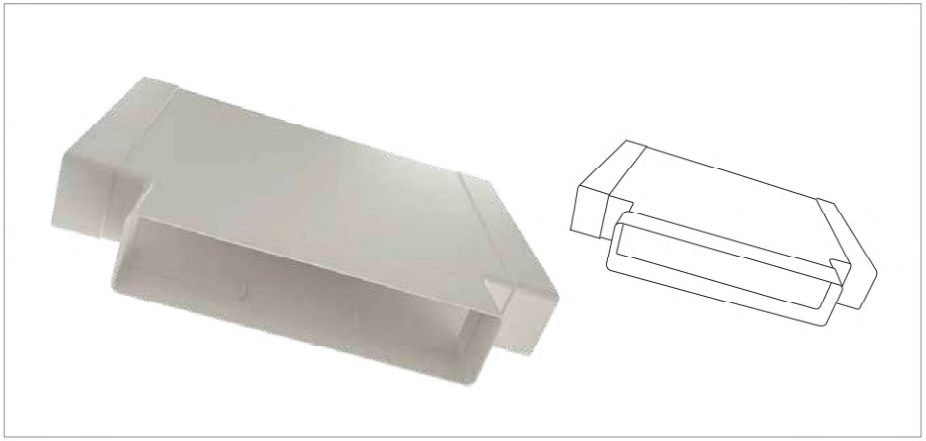
## **T Piece Connector** – Performance Data

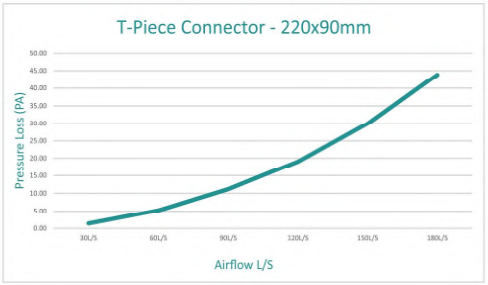


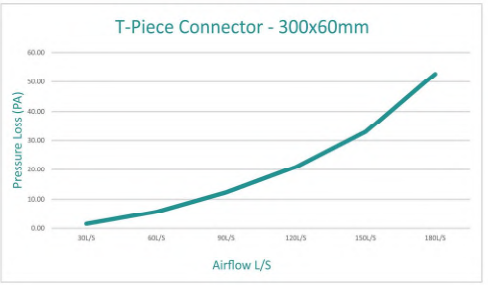
PERFORMANCE DATA

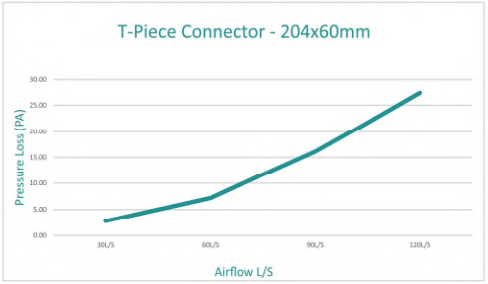
| Product | | 30L/S | 60L/S | 90L/S | 120L/S | 150L/S | 180L/S |
|---|---|---|---|---|---|---|---|
| T-Piece Connector | 204x60mm | 2.80 | 7.20 | 16.14 | 27.31 | - | |
| T-Piece Connector | 220x90mm | 1.40 | 5.20 | 11.20 | 19.00 | 30.00 | 43.82 |
| T-Piece Connector | 300x60mm | 1.54 | 5.72 | 12.32 | 20.90 | 33.00 | 52.70 |
| T-Piece Connector | 320x75mm | 1.36 | 4.72 | 7.03 | 12.59 | 18.22 | 23.69 |
| T-Piece Connector | 350x75mm | 1.30 | 2.40 | 4.80 | 8.20 | 11.50 | 17.50 |
| T-Piece Connector | 500x75mm | 0.884 | 1.632 | 3.264 | 5.576 | 7.82 | 11.90 |

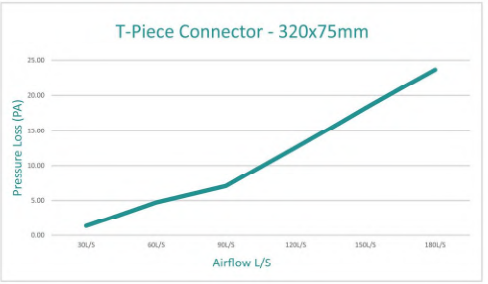
Airflow Litres per second (L/S) Pressure Lost Pa

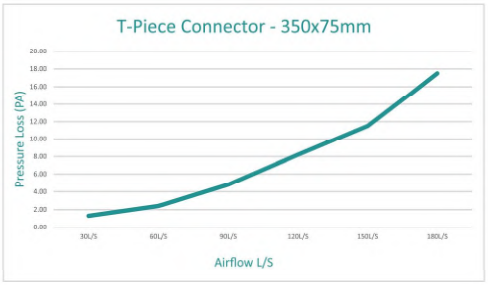
**T Piece Connector** – Performance Data

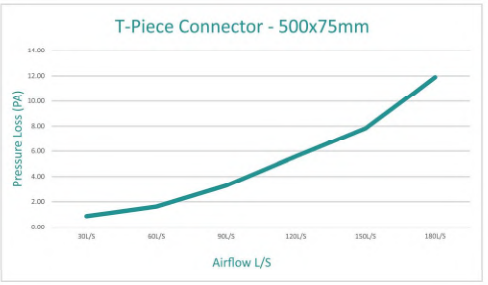
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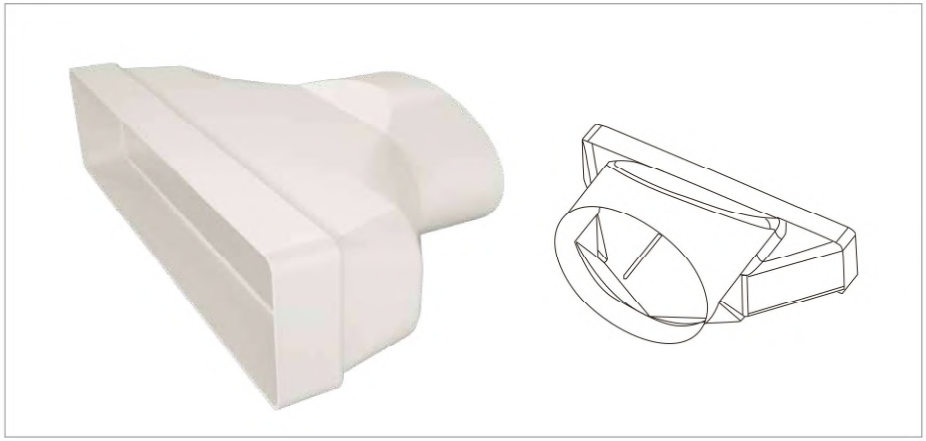
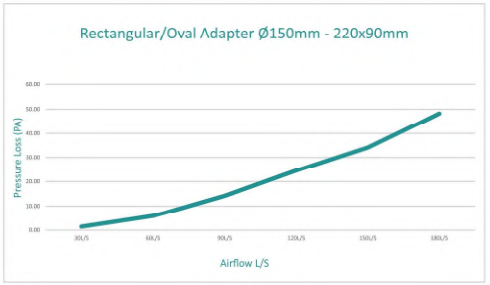
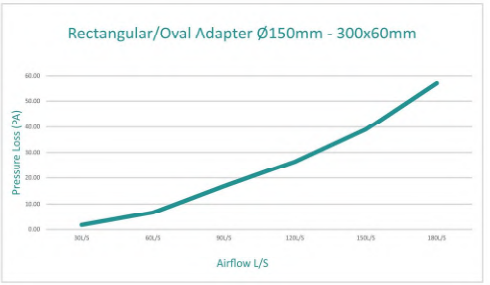
## **Oval to Rectangle 150 dia** – Performance Data

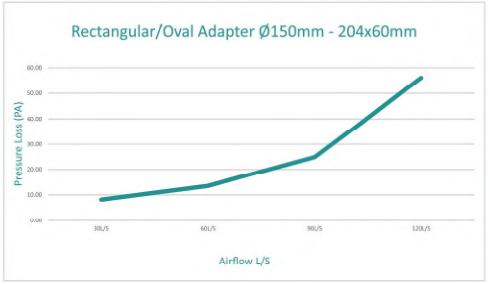


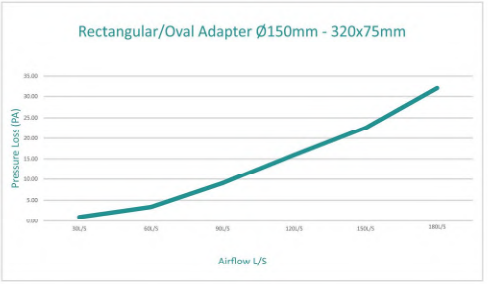
| PERFORMANCE DATA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Product | | 30L/S | 60L/S | 90L/S | 120L/S | 150L/S | 180L/S |
| Rectangular/Oval Adapter Ø150mm | 204x60mm | 8.16 | 13.464 | 24.9084 | 56.0439 | - | - |
| Rectangular/Oval Adapter Ø150mm | 220x90mm | 1.45 | 5.89 | 14.23 | 24.48 | 34.12 | 48.27 |
| Rectangular/Oval Adapter Ø150mm | 300x60mm | 1.76 | 6.7 | 16.78 | 26.34 | 39.03 | 56.76 |
| Rectangular/Oval Adapter Ø150mm | 320x75mm | 1.045 | 3.439 | 9.044 | 15.941 | 22.591 | 31.958 |
| Rectangular/Oval Adapter Ø150mm | 350x75mm | 0.9625 | 3.1675 | 8.33 | 14.6825 | 20.8075 | 29.435 |
| Rectangular/Oval Adapter Ø150mm | 500x75mm | 0.82 | 2.67 | 6.74 | 12.34 | 17.37 | 26.28 |
| Airflow Litres per second (L/S) Pressure Lost Pa | | | | | | | |

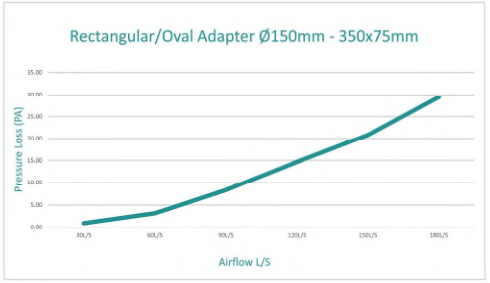
## **Oval to Rectangle 150 dia** – Performance Data

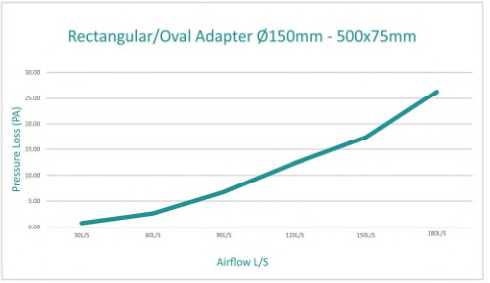


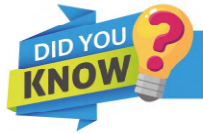

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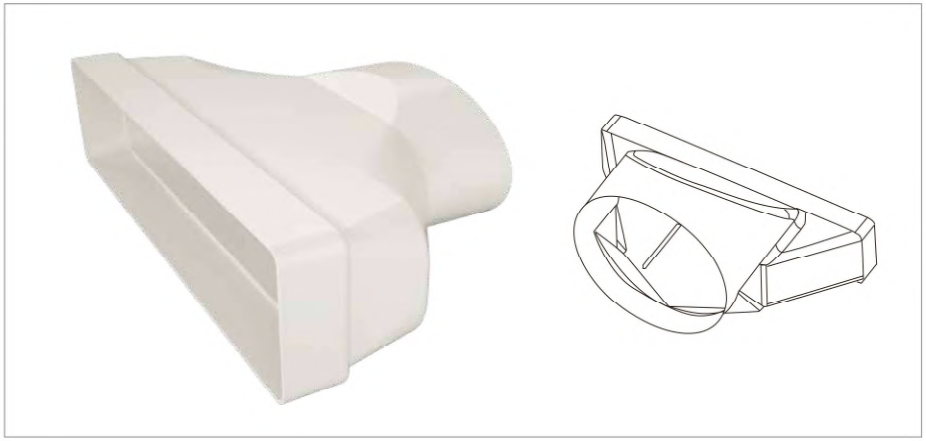
- We can customize colour or make new fittings without charing tooling fees.

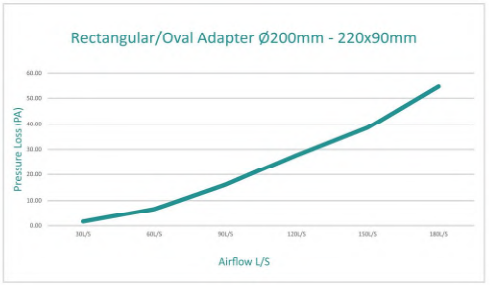
## **Oval to Rectangle 200 dia** – Performance Data

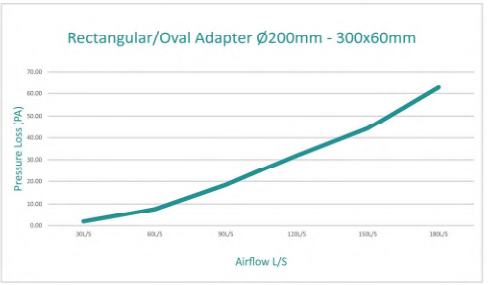


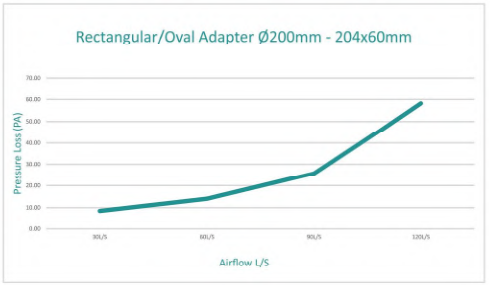
| PERFORMANCE DATA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Product | | 30L/S | 60L/S | 90L/S | 120L/S | 150L/S | 180L/S |
| Rectangular/Oval Adapter Ø200mm | 204x60mm | 8.48 | 14.02 | 25.67 | 58.21 | - | - |
| Rectangular/Oval Adapter Ø200mm | 220x90mm | 1.64 | 6.66 | 16.08 | 27.66 | 38.56 | 54.55 |
| Rectangular/Oval Adapter Ø200mm | 300x60mm | 1.88 | 7.65 | 18.49 | 31.81 | 44.34 | 62.73 |
| Rectangular/Oval Adapter Ø200mm | 320x75mm | 1.56 | 6.32 | 15.28 | 26.28 | 36.63 | 51.82 |
| Rectangular/Oval Adapter Ø200mm | 350x75mm | 1.48 | 6.01 | 14.51 | 24.97 | 34.80 | 49.23 |
| Rectangular/Oval Adapter Ø200mm | 500x75mm | 1.25 | 5.40 | 12.40 | 19.80 | 29.70 | 37.40 |
| Airflow Litres per second (L/S) Pressure Lost Pa | | | | | | | |

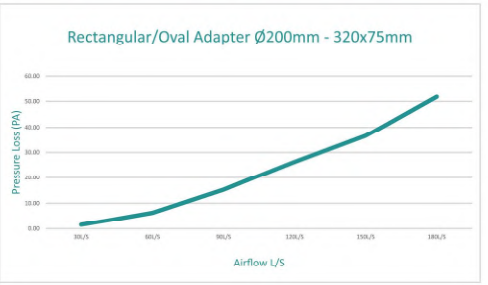


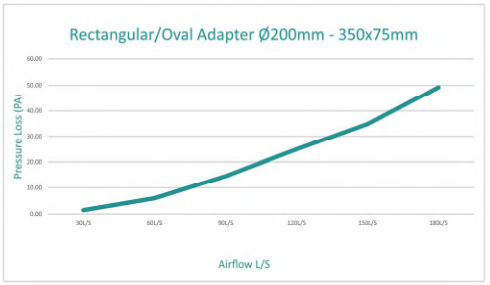
**Oval to Rectangle 200 dia** – Performance Data

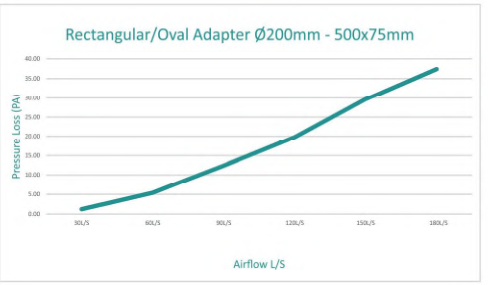


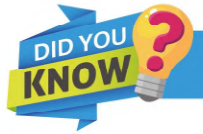

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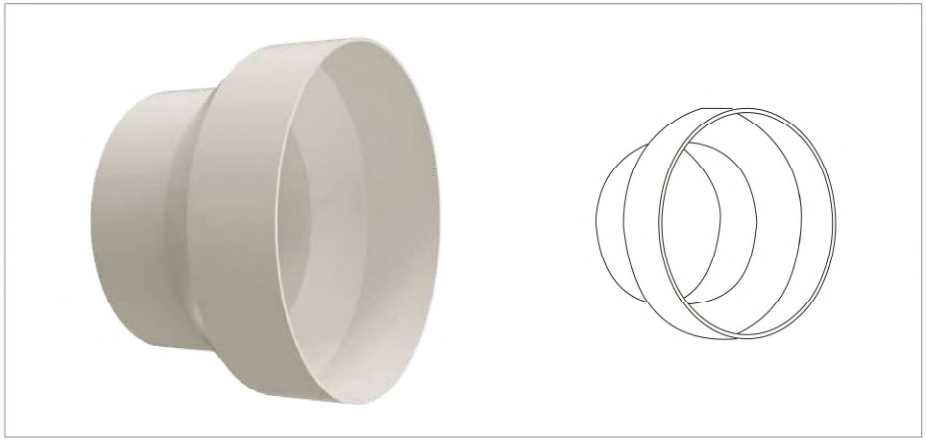
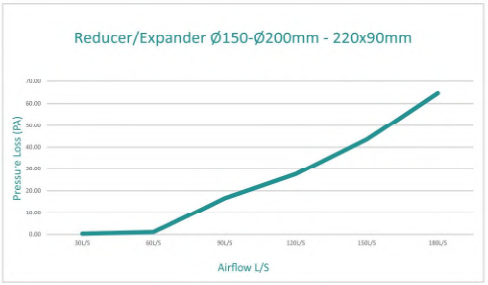
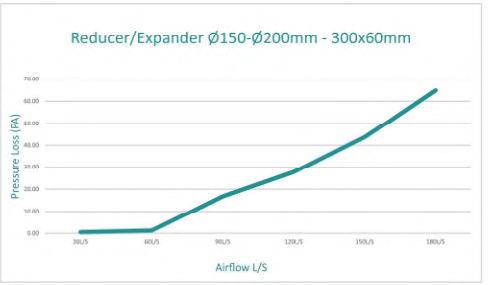
## **Round to Round 125/150** – Performance Data

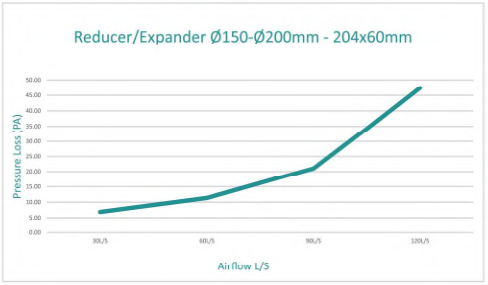


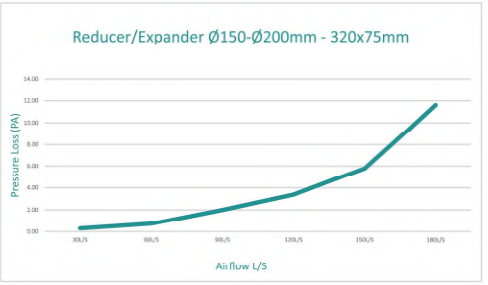
| PERFORMANCE DATA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Product | | 30L/S | 60L/S | 90L/S | 120L/S | 150L/S | 180L/S |
| Reducer/Expander Ø150-Ø200mm | 204x60mm | 6.90 | 11.38 | 21.05 | 47.36 | - | - |
| Reducer/Expander Ø150-Ø200mm | 220x90mm | 0.34 | 1.07 | 16.62 | 27.49 | 43.56 | 64.62 |
| Reducer/Expander Ø150-Ø200mm | 300x60mm | 0.50 | 1.23 | 16.78 | 27.65 | 43.72 | 64.78 |
| Reducer/Expander Ø150-Ø200mm | 320x75mm | 0.29 | 0.73 | 2.00 | 3.38 | 5.78 | 11.60 |
| Reducer/Expander Ø150-Ø200mm | 350x75mm | 0.27 | 0.67 | 1.84 | 3.12 | 5.32 | 10.68 |
| Reducer/Expander Ø150-Ø200mm | 500x75mm | 0.18 | 0.46 | 1.25 | 2.12 | 3.62 | 7.26 |
| Airflow Litres per second (L/S) Pressure Lost Pa | | | | | | | |

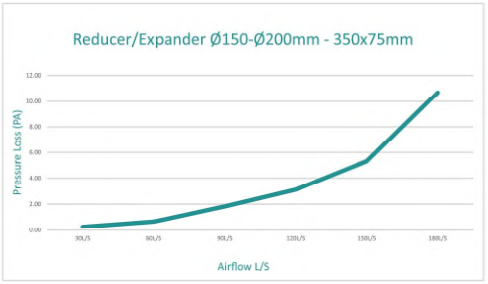
**Round to Round 125/150** – Performance Data

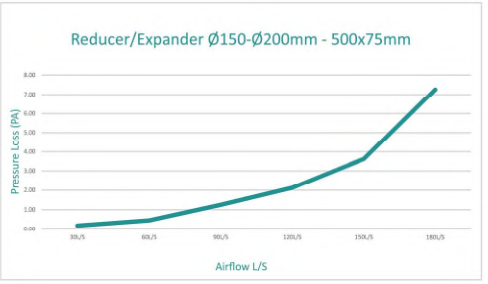


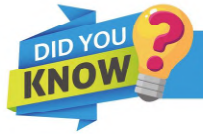

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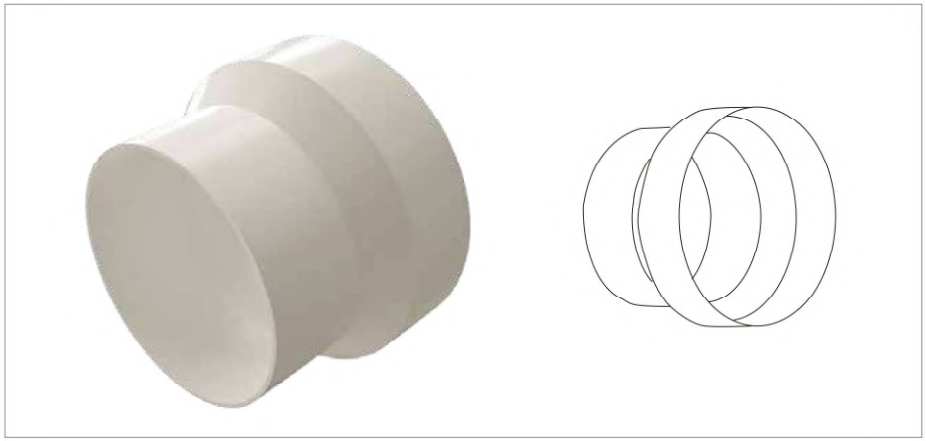
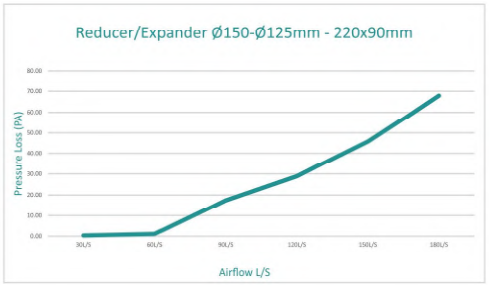
## **Round to Round 150/200** – Performance Data

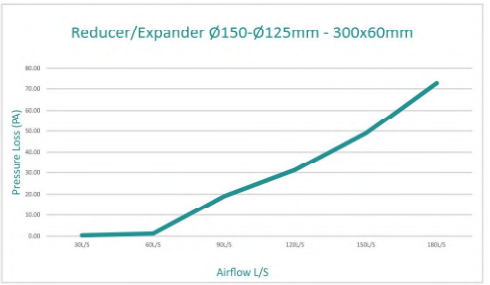


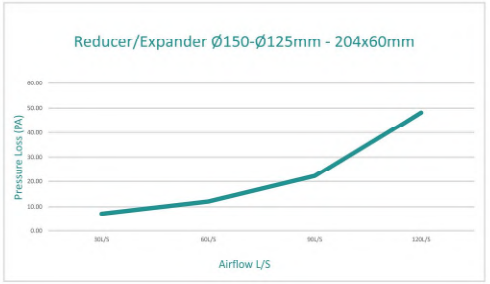
| PERFORMANCE DATA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Product | | 30L/S | 60L/S | 90L/S | 120L/S | 150L/S | 180L/S |
| Reducer/Expander Ø150-Ø125mm | 204x60mm | 7.23 | 12.10 | 22.23 | 48.21 | - | - |
| Reducer/Expander Ø150-Ø125mm | 220x90mm | 0.35 | 1.13 | 17.45 | 28.86 | 45.74 | 67.85 |
| Reducer/Expander Ø150-Ø125mm | 300x60mm | 0.38 | 1.20 | 19.03 | 31.26 | 48.94 | 72.60 |
| Reducer/Expander Ø150-Ø125mm | 320x75mm | 0.32 | 1.01 | 15.71 | 25.98 | 39.43 | 57.34 |
| Reducer/Expander Ø150-Ø125mm | 350x75mm | 0.28 | 0.88 | 13.66 | 22.60 | 35.81 | 53.13 |
| Reducer/Expander Ø150-Ø125mm | 500x75mm | 0.19 | 0.60 | 9.29 | 15.37 | 24.35 | 36.13 |
| Airflow Litres per second (L/S) Pressure Lost Pa | | | | | | | |

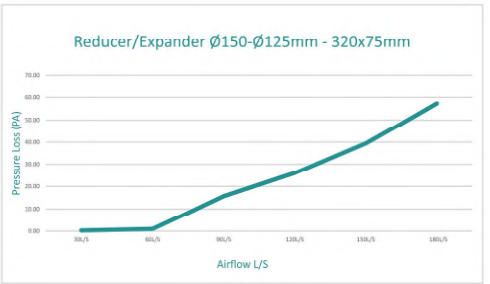


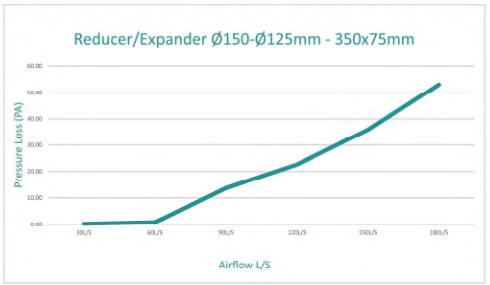
**Round to Round 150/200** – Performance Data

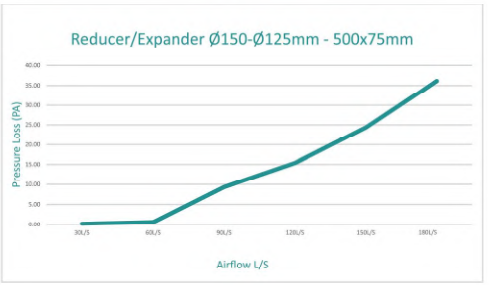


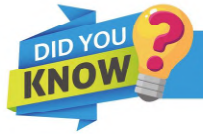

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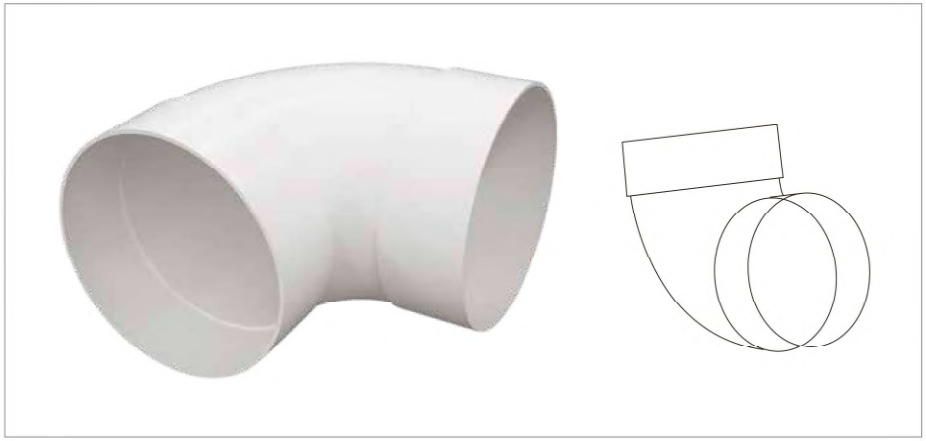
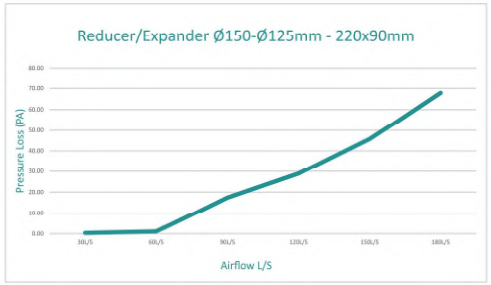
DUCTLAB
More fittings at ductlab.com.au

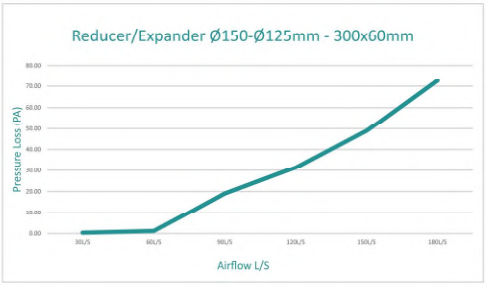
## **90 degree Elbow** – Performance Data

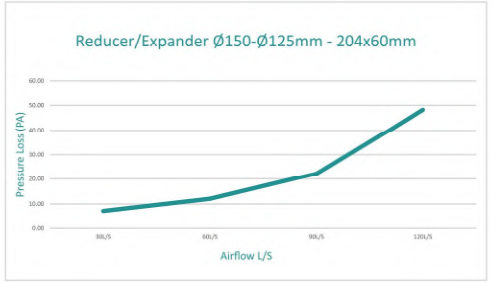


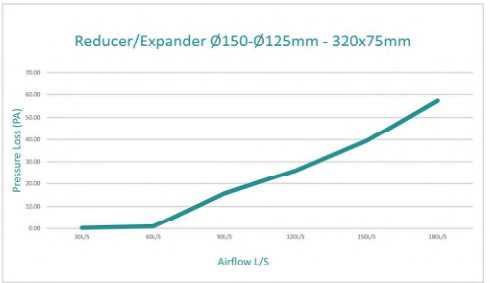
| PERFORMANCE DATA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Product | | 30L/S | 60L/S | 90L/S | 120L/S | 150L/S | 180L/S |
| 90° Elbow Bend | 204x60mm | 6.86 | 11.33 | 20.95 | 47.14 | - | - |
| 90° Elbow Bend | 220x90mm | 2.30 | 9.43 | 15.26 | 25.87 | 41.23 | 58.09 |
| 90° Elbow Bend | 300x60mm | 2.46 | 10.59 | 16.78 | 27.65 | 43.72 | 64.78 |
| 90° Elbow Bend | 320x75mm | 1.46 | 6.29 | 15.87 | 25.37 | 37.28 | 42.86 |
| 90° Elbow Bend | 350x75mm | 1.35 | 5.79 | 14.62 | 23.37 | 34.34 | 39.48 |
| 90° Elbow Bend | 500x75mm | 1.13 | 4.71 | 12.21 | 20.87 | 31.34 | 34.27 |
| Airflow Litres per second (L/S) Pressure Lost Pa | | | | | | | |

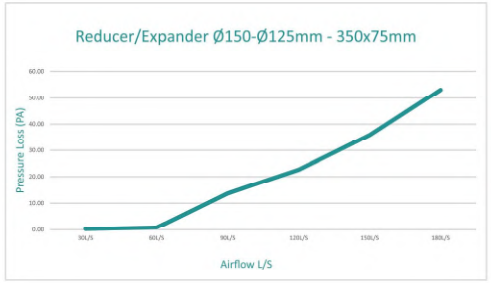
**90 degree Elbow** – Performance Data

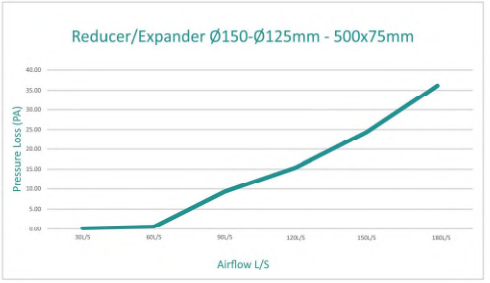


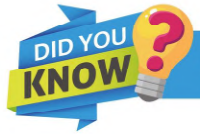

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# 02
# AIRVENT ENGINEERED VENTILATION

The FAN that meets the New SECTION J requirement as from 2021:

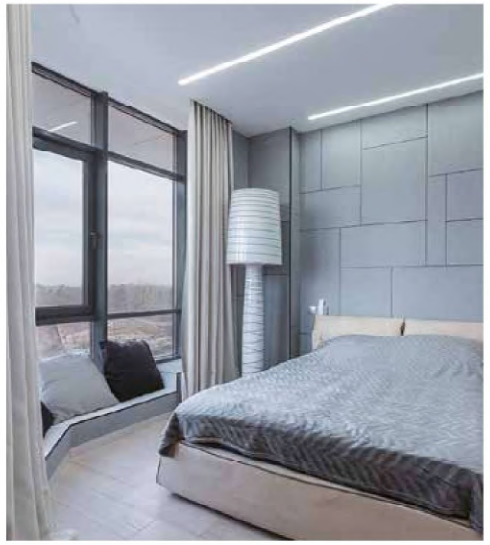
All Airvent's EC fans are comfortably able to meet the efficiency requirements from NCC 2019 section J 5.4.Each fan has been tested and plotted on an efficiency cure which displays it's compliance.



## HIGH EFFICIENT LESS ENERGY

EC MOTOR EXHAUST FAN

AIRVENT
www.airvent.com.au



### AT AIRVENT AUSTRALIA

We focus on EC-motor fans which are designed with superior performance and lower power consumption. You will find a range of GREENLINE SERIES EC motor fans, featuring a precise Pulse Width Modulated (PWM) controlled Brushless DC Electric EC-motor that is exceptionally quieter and uses less power than conventional AC-motors. Every single EC fan has a built in speed controller to maximise customisability for the individual application. Airvent is also the only company in Australia who can offer EC fans at the price of AC fans as the product is offered factory direct.

# VARIETY RANGE of EC MOTOR FANS

Airvent's goal is to help Australia transitions from the old fashion standard of AC fans to the new age of energy efficient and high-performance EC fans

## WHY AIRVENT

·First EC MOTOR inline fan with build in Run-On-Timer& Speed Dial

·First EC MOTOR Header Box (Exhaust Fan) in Australia

·First EC MOTOR inline fan with build in humidity and temperature sensor

·First EC MOTOR which is price competitive with the competitions inferior AC motors

## EC & AC MOTOR EXHAUST FAN

AIRVENT
www.airvent.com.au

## ADVANTAGES OF MAKING THE SWTICH TO AN EC MOTOR FAN


## TOP 4 BENEFITS of EC FANS

**01 Energy Efficiency**
The EC Motor design offers better efficiency and reduced energy consumption while maintaining performance levels.

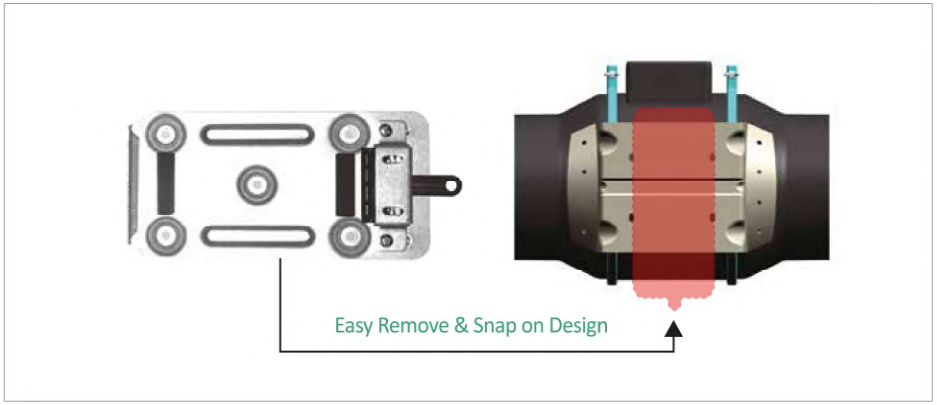
**02 Variable Speed Control**
Unlike conventional fan motors, EC Motors have a built in variable speed controller for different airflow requirements.

**03 Long Lifespan**
The EC Motor operates at lower temperatures which results in longevity when compared to the AC motors.

**04 Easy Install**
EC Motors are designed for space saving as they are less bulky and more compact than the AC motor fans. It's low-maintenance, energy efficient characteristics allow high-capacity performance at a smaller physical size.

## COMPACT & VERSATILE FAN CLIP

Our fan clip is a special design which uses a light-weight and durable metal clip that is easy to install and remove. Installation time savings are upwards of 80% which saves time and money.




## WHY SHOULD YOU USE OUR FAN CLIP?

**Light weight & Strong**
Install our fan on a strong and reliable plate to the celling in a matter of secconds.

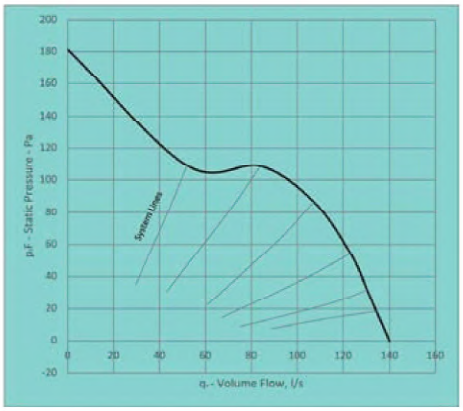
**Snap on**
Easily snaps on the make installation seamless and quick.

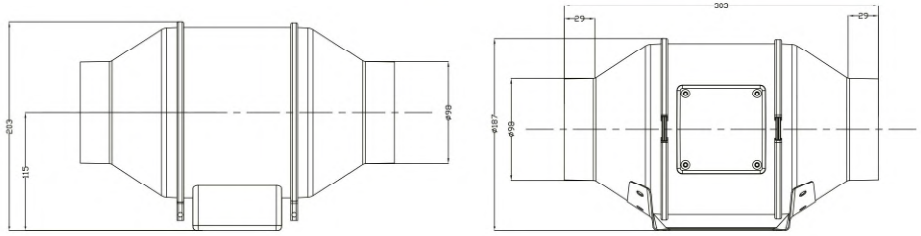
**Easy to remove**
Ealisy removable without leaving marks.

## EC MOTOR 100mm INLINE FAN SERIES – ECIF35-100 Performance Data


ECIF35-100 | with build in speed dial
ECIF35-100T | with built in ROT and speed dial

### AIRFLOW VS PRESSURE



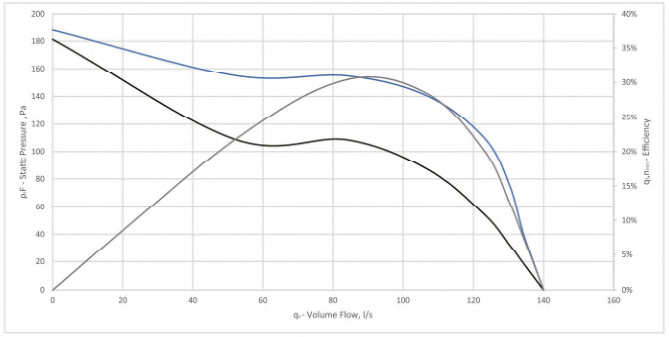

### FAN DATA/NOISE DATA

| Model Number | Product | Spigot Diameter (mm) | Fan Speed (RPM) | Avg. dB(A) @3m | Power (W) | Starting Current (Amps) | Blade Material | Dimensions (cm) | Weight (KG) |
|---|---|---|---|---|---|---|---|---|---|
| ECIF35-100 | 35 Watt EC variable Speed Inline Fan Optional ROT | 100 | 2300 | 37 | 33.7 | <0.1 | ABS | 21.2 x 32.0 x 20.0 | 1.6 |

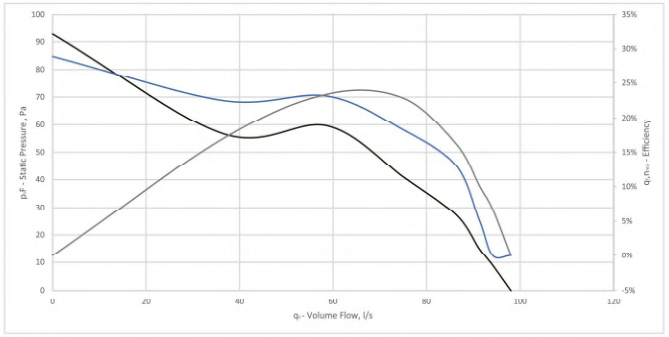
| Frequency (Hz) | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | Total Sound Power Level Lw dB(A) @3m |
|---|---|---|---|---|---|---|---|---|---|
| Inlet Sound Power Level Lw (dB) | 53 | 48 | 55 | 58 | 55 | 52 | 43 | 37 | 37 |
| Outlet Sound Power Level Lw (dB) | 55 | 48 | 56 | 59 | 52 | 51 | 42 | 36 | 36 |



EC MOTOR 100mm INLINE FAN SERIES – ECIF35-100 Performance Data



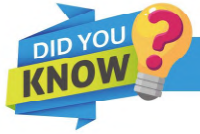

Efficiency with speed dial at 100%




Efficiency with speed dial at 70%

Airflow vs Pressure | Fan Efficiency | Minimum Required Efficiency (NCC)

Fan airflow performance is tested according to ISO 5801:2007. Fan sound power level tested according to BS EN ISO 05136-2009. Efficiency according to NCC 2019 J5.4.

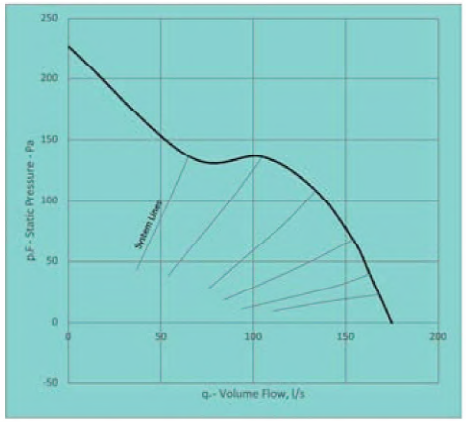


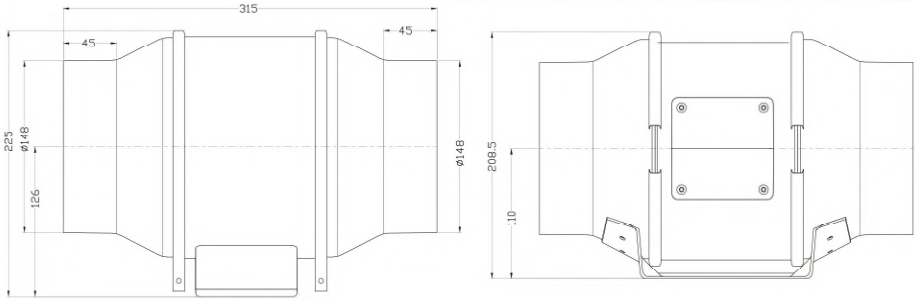

Our EC Fan range meets the requirements of NCC SECTION J 2019

## EC MOTOR 150mm INLINE FAN SERIES - ECIF40-150 Performance


ECIF40-150 | with build in speed dial
ECIF40-150T | with built in ROT and speed dial

### AIRFLOW VS PRESSURE



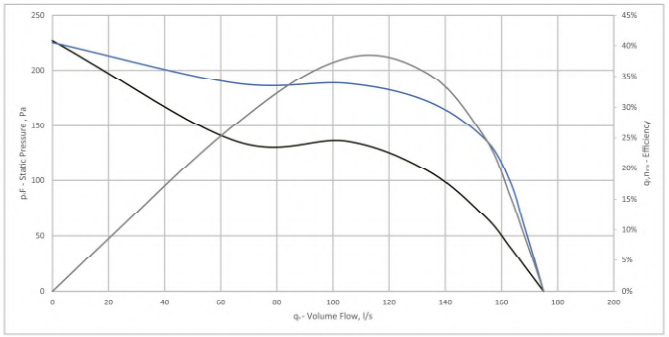

### FAN DATA/NOISE DATA

| Model Number | Product | Spigot Diameter (mm) | Fan Speed (RPM) | Avg. dB(A) @3m | Power (W) | Starting Current (Amps) | Blade Material | Dimensions (cm) | Weight (KG) |
|---|---|---|---|---|---|---|---|---|---|
| ECIF40-150 | 50 Watt EC variable Speed Inline Fan Optional ROT | 150 | 2300 | 38 | 42.2 | <0.1 | ABS | 21.2 x 32.0 x 20.0 | 1.6 |

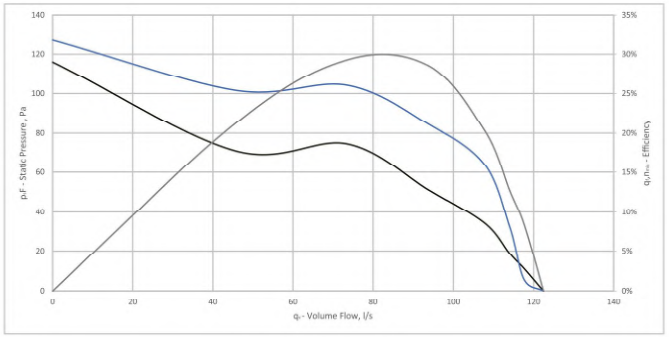
| Frequency (Hz) | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | Total Sound Power Level Lw dB(A) @3m |
|---|---|---|---|---|---|---|---|---|---|
| Inlet Sound Power Level Lw (dB) | 53 | 48 | 55 | 59 | 55 | 53 | 43 | 37 | 38 |
| Outlet Sound Power Level Lw (dB) | 55 | 48 | 57 | 59 | 53 | 51 | 42 | 35 | 39 |



## EC MOTOR 150mm INLINE FAN SERIES - ECIF40-150 Performance




Efficiency with speed dial at 100%




Efficiency with speed dial at 70%

Airflow vs Pressure | Fan Efficiency | Minimum Requiered Efficiency (NCC)

Fan airflow performance is tested according to ISO 5801:2007. Fan sound power level tested according to BS EN ISO 05136-2009. Efficiency according to NCC 2019 J5.4.

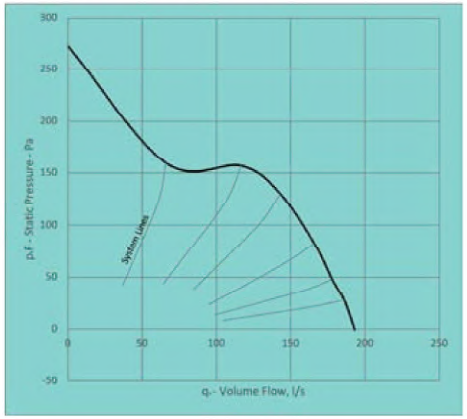
DID YOU KNOW?

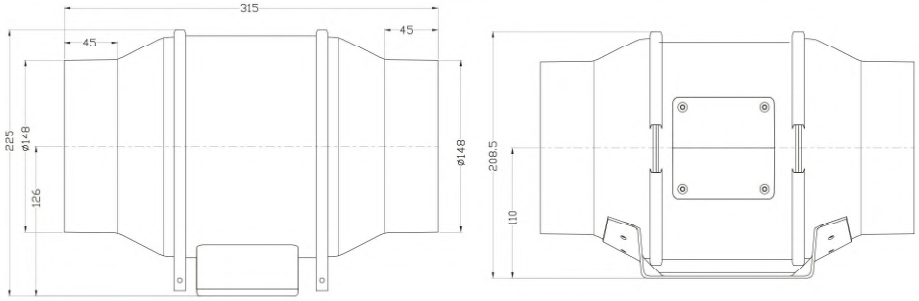
Our EC Fan range meets the requirements of NCC SECTION J 2019

## EC MOTOR 150mm INLINE FAN SERIES - ECIF50-150 Performance Data


ECIF50-150 | with build in speed dial
ECIF50-150T | with built in ROT and speed dial

### AIRFLOW VS PRESSURE



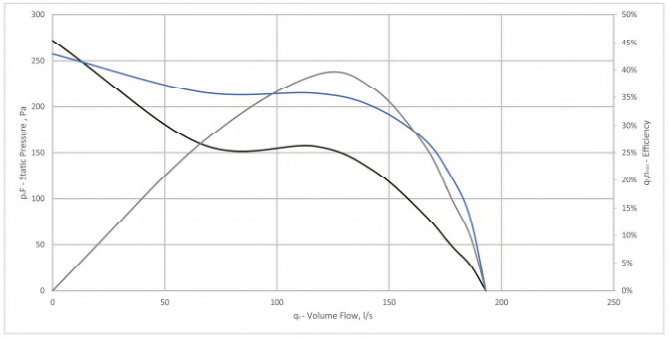

### FAN DATA/NOISE DATA

| Model Number | Product | Spigot Diameter (mm) | Fan Speed (RPM) | Avg. dB(A) @3m | Power (W) | Starting Current (Amps) | Blade Material | Dimensions (cm) | Weight (KG) |
|---|---|---|---|---|---|---|---|---|---|
| ECIF50-150 | 50 Watt EC variable Speed Inline Fan Optional ROT | 150 | 2500 | 41 | 52.2 | <0.1 | ABS | 21.2 x 32.0 x 20.0 | 2.3 |

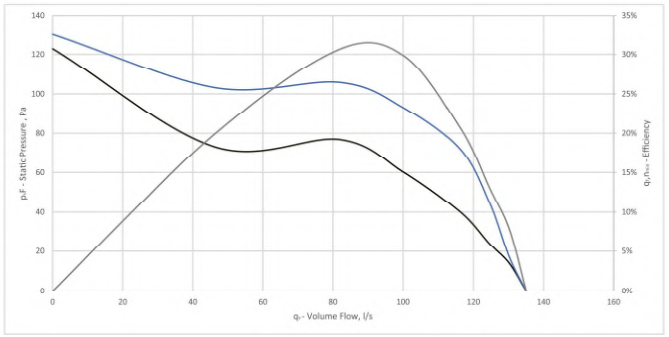
| Frequency (Hz) | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | Total Sound Power Level Lw dB(A) @3m |
|---|---|---|---|---|---|---|---|---|---|
| Inlet Sound Power Level Lw (dB) | 53 | 50 | 57 | 59 | 55 | 53 | 49 | 38 | 41 |
| Outlet Sound Power Level Lw (dB) | 52 | 48 | 56 | 57 | 54 | 51 | 48 | 37 | 38 |



## EC MOTOR 150mm INLINE FAN SERIES - ECIF50-150 Performance




Efficiency with speed dial at 100%




Efficiency with speed dial at 70%

Airflow vs Pressure  Fan Efficiency  Minimum Requiered Efficiency (NCC)

Fan airflow performance is tested according to ISO 5801:2007. Fan sound power level tested according to BS EN ISO 05136-2009. Efficiency according to NCC 2019 J5.4.

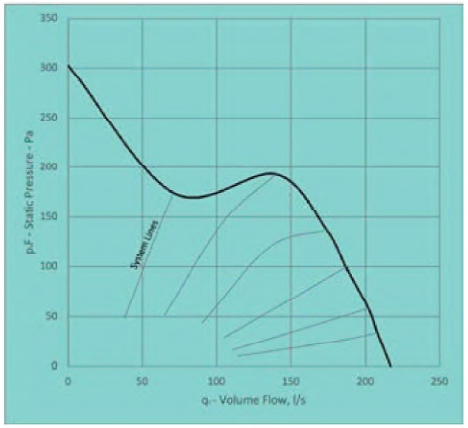
DID YOU KNOW?

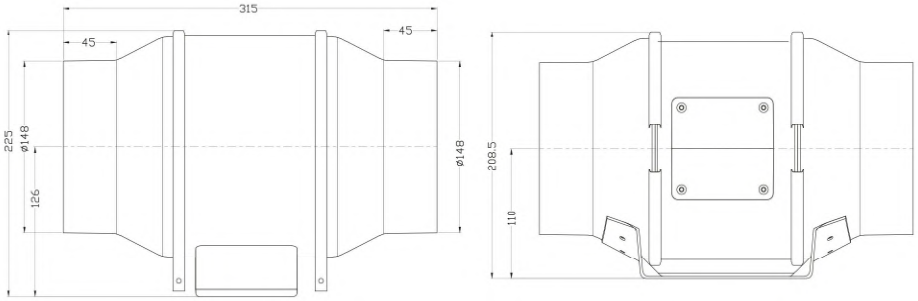
Our EC Fan range meets the requirements of NCC SECTION J 2019

## EC MOTOR 150mm INLINE FAN SERIES– ECIF70-150 Performance


ECIF70-150 | with build in speed dial
ECIF70-150T | with built in ROT and speed dial

### AIRFLOW VS PRESSURE



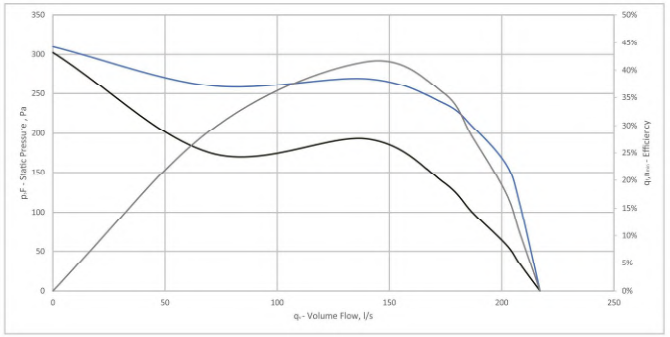

### FAN DATA/NOISE DATA

| Model Number | Product | Spigot Diameter (mm) | Fan Speed (RPM) | Avg. dB(A) @3m | Power (W) | Starting Current (Amps) | Blade Material | Dimensions (cm) | Weight (KG) |
|---|---|---|---|---|---|---|---|---|---|
| ECIF70-150 | 70 Watt EC variable Speed Inline Fan Optional ROT | 150 | 2800 | 44 | 67.1 | <0.1 | ABS | 21.2 x 32.0 x 20.0 | 2.3 |

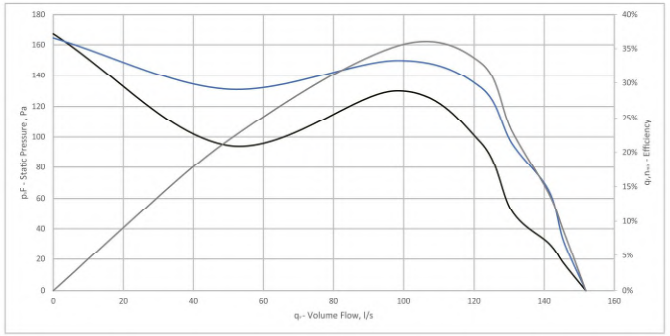
| Frequency (Hz) | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | Total Sound Power Level Lw dB(A) @3m |
|---|---|---|---|---|---|---|---|---|---|
| Inlet Sound Power Level Lw (dB) | 52 | 50 | 59 | 58 | 57 | 60 | 53 | 49 | 44 |
| Outlet Sound Power Level Lw (dB) | 54 | 50 | 60 | 63 | 62 | 59 | 54 | 49 | 43 |



## EC MOTOR 150mm INLINE FAN SERIES– ECIF70-150 Performance




Efficiency with speed dial at 100%




Efficiency with speed dial at 70%

Airflow vs Pressure | Fan Efficiency | Minimum Requiered Efficiency (NCC)

Fan airflow performance is tested according to ISO 5801:2007. Fan sound power level tested according to BS EN ISO 05136-2009. Efficiency according to NCC 2019 J5.4.

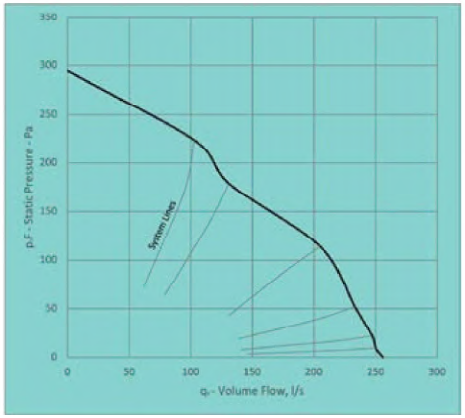
DID YOU KNOW?

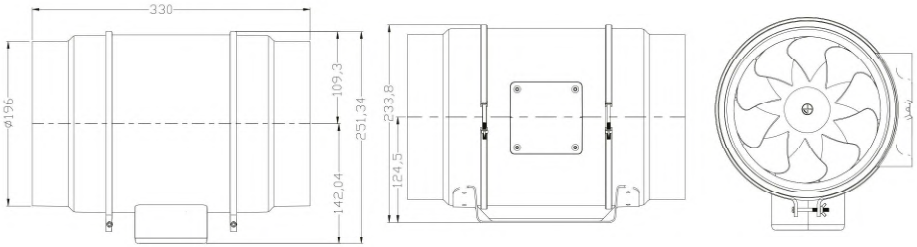
Our EC Fan range meets the requirements of NCC SECTION J 2019

## EC MOTOR 200mm INLINE FAN SERIES– ECIF200-PRO Performance

EC MOTOR 200mm INLINE FAN SERIES– ECIF200-PRO Performance


### AIRFLOW VS PRESSURE

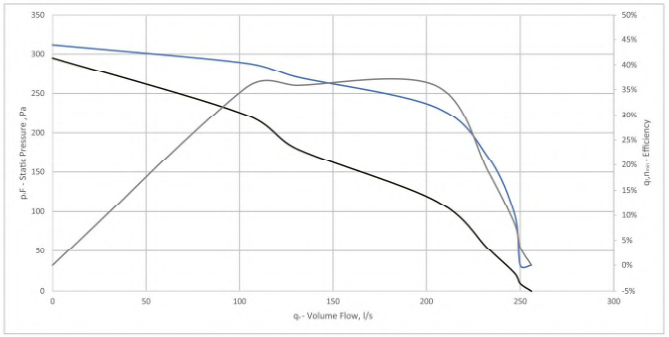


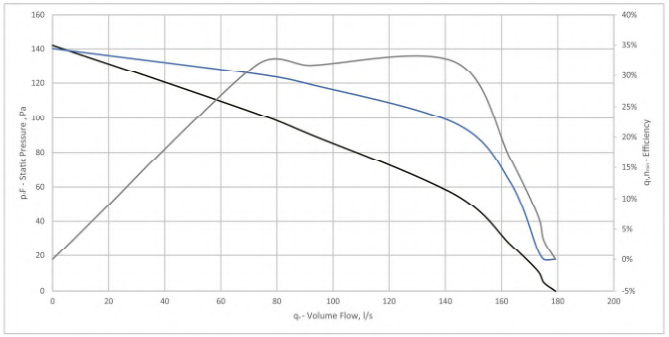

### FAN DATA/NOISE DATA

| Model Number | Product | Spigot Diameter (mm) | Fan Speed (RPM) | Avg dB(A) @3m | Power (W) | Starting Current (Amps) | Blade Material | Dimensions (cm) | Weight (KG) |
|---|---|---|---|---|---|---|---|---|---|
| ECIF200-PRO | 70 Watt EC variable Speed Inline Fan Optional ROT | 200 | 2000 | 45 | 65.4 | <0.1 | ABS | 33.0x25.1x23.4 | 3.1 |

| Frequency (Hz) | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | Total Sound Power Level Lw dB(A) @3m |
|---|---|---|---|---|---|---|---|---|---|
| Inlet Sound Power Level Lw (dB) | 52 | 51 | 59 | 58 | 57 | 61 | 53 | 49 | 45 |
| Outlet Sound Power Level Lw (dB) | 55 | 50 | 61 | 64 | 63 | 59 | 55 | 49 | 44 |




Efficiency with speed dial at 100%




Efficiency with speed dial at 70%

Airflow vs Pressure  Fan Efficiency  Minimum Requiered Efficiency (NCC)

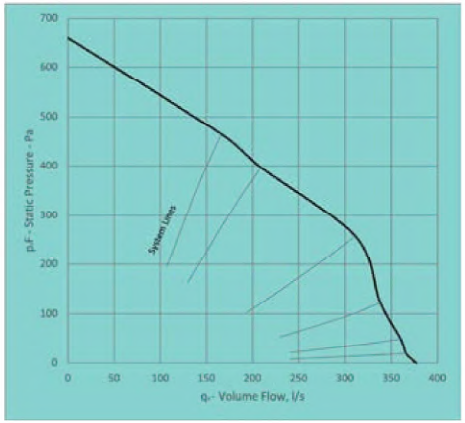
Fan airflow performance is tested according to ISO 5801:2007. Fan sound power level tested according to BS EN ISO 05136-2009. Efficiency according to NCC 2019 J5.4.

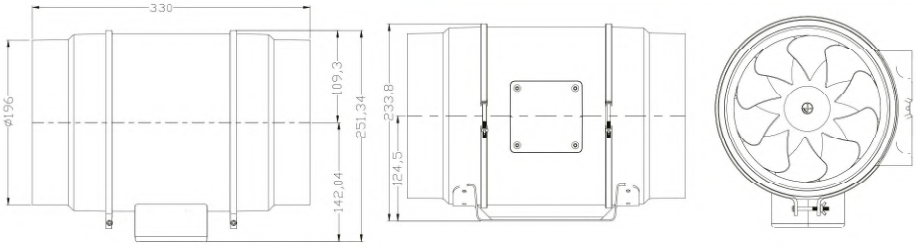
DID YOU KNOW? Our EC Fan range meets the requirements of NCC SECTION J 2019

## EC MOTOR 200mm INLINE FAN SERIES– ECIF200-MAX Performance


ECIF200-MAX

### AIRFLOW VS PRESSURE



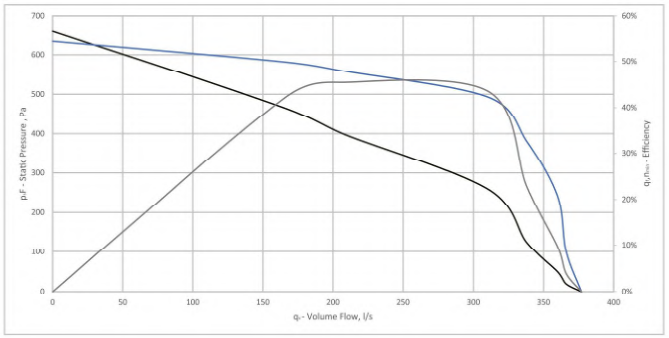

### FAN DATA/NOISE DATA

| Model Number | Product | Spigot Diameter (mm) | Fan Speed (RPM) | Avg. dB(A) @3m | Power (W) | Starting Current (Amps) | Blade Material | Dimensions (cm) | Weight (KG) |
|---|---|---|---|---|---|---|---|---|---|
| ECIF200-MAX | 180 Watt EC variable Speed Inline Fan Optional ROT | 200 | 3000 | 47 | 65.4 | <0.1 | ABS | 33.0x25.1x23.4 | 3.1 |

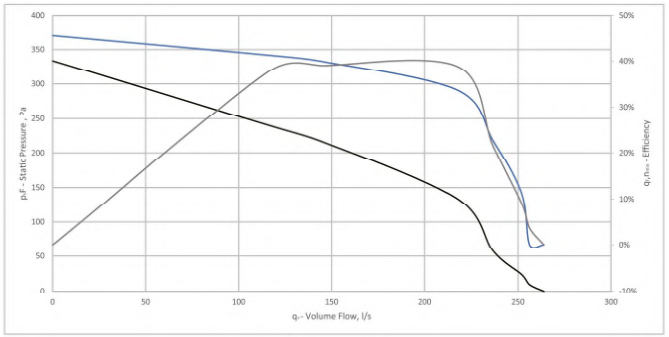
| Frequency (Hz) | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | Total Sound Power Level Lw dB(A) @3m |
|---|---|---|---|---|---|---|---|---|---|
| Inlet Sound Power Level Lw (dB) | 52 | 49 | 57 | 57 | 64 | 62 | 58 | 50 | 47 |
| Outlet Sound Power Level Lw (dB) | 64 | 54 | 57 | 63 | 64 | 63 | 58 | 49 | 49 |



EC MOTOR 200mm INLINE FAN SERIES– ECIF200-MAX Performance

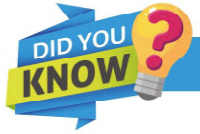



Efficiency with speed dial at 100%




Efficiency with speed dial at 70%


Fan airflow performance is tested according to ISO 5801:2007. Fan sound power level tested according to BS EN ISO 05136-2009. Efficiency according to NCC 2019 J5.4.




Our EC Fan range meets the requirements of NCC SECTION J 2019