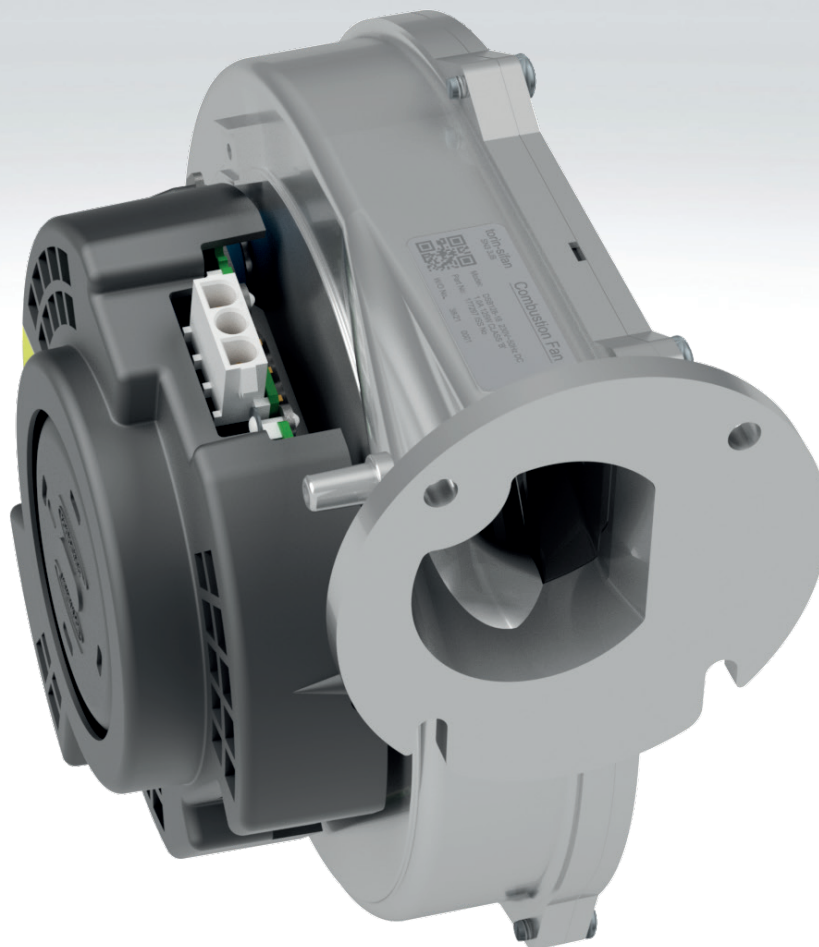


# torin

Efficiency with every rotation



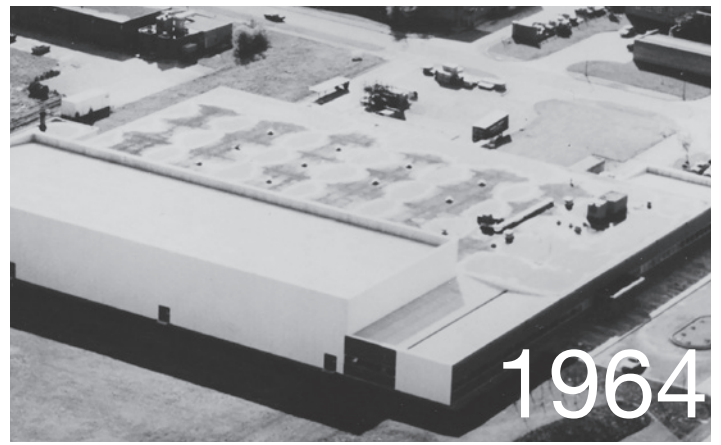
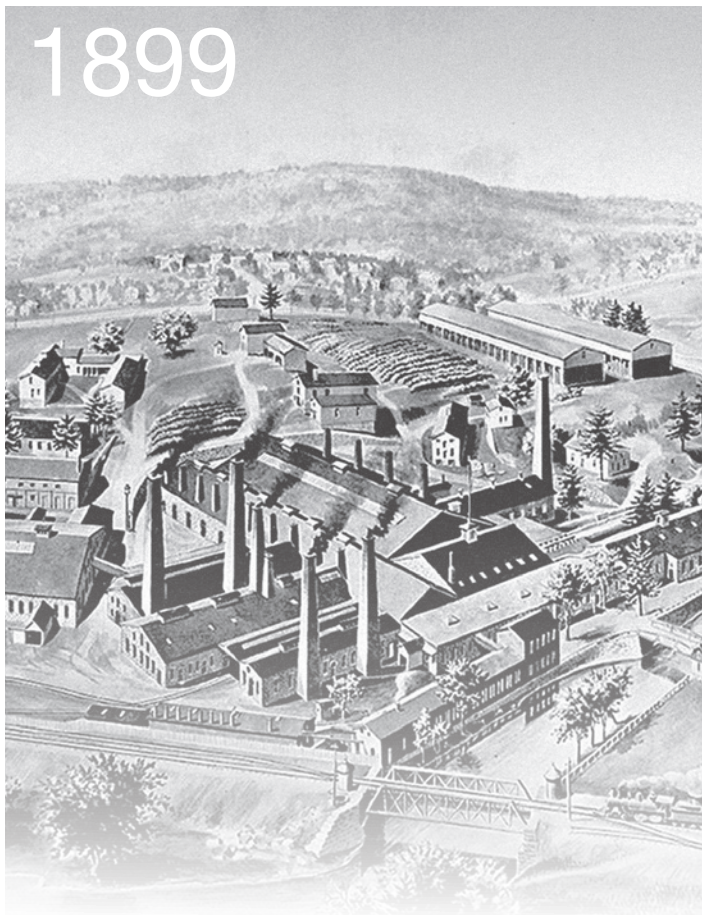
Energy Saving  
Technology



## DC / EC Combustion Fans

High Efficiency





# For over a century...

## History

Originally formed over 100 years ago as part of the USA based Torin Corporation, and then established as a UK subsidiary in 1964; Torin have developed into an independent market leader in the supply of air-movement products, incorporating over 60 years of UK innovation.

## Core Focus

Torin is a technology expert in the design, development and manufacture of centrifugal impellers, traditional AC motors and highly efficient Electronically Commutated (EC) motors.

Torin products exceed the requirements of European energy saving legislation; helping our customers to position themselves at the forefront of their markets.





# atorin

Efficiency with every rotation

## About us

Torin design and manufacture highly efficient AC and EC motors, motorised impellers and fans for the residential and commercial HVAC manufacturing markets worldwide.

With over 60 years experience developing and manufacturing products, we sell over 1 million units per year and manufacture from two production sites in the UK.

## More than 60 years of Innovation

Since our humble beginnings on the banks of the Naugatuck river in Connecticut USA, we have come a long way changing names, continents, owners and innovating the most efficient electric motor technology. We continue to invest in our local community, British engineering and raising the profile of Torin throughout the world.

## International markets

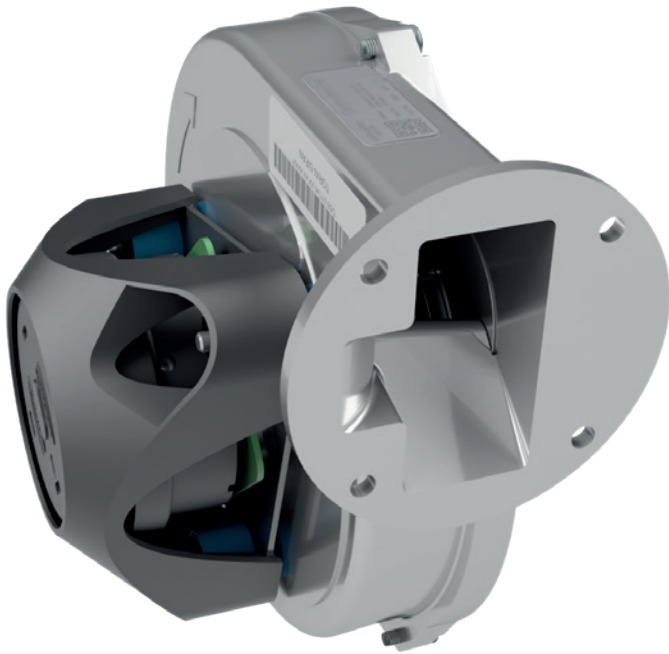
We are a truly international business with our sales evenly split between our home market in the UK and numerous export customers, all serviced by our technically competent international sales team. Support is provided by experienced product development and applications engineers backed up by an excellent research and development facility.

## Customised Solutions

We understand the ever-changing market, therefore we offer customised product solutions to meet your exact needs. Whether you require a change to one of our standard products or by managing a truly joint development partnership to produce a product customised to meet your requirements.

## Current examples include:

- Specific housing designs, including material thickness, mounting-hole locations and flange design.
- Lead lengths cut to size and your specified plug fitted.
- External or on-board electronics options
- Performance optimisation, including impeller and electronics design
- Licensing agreements for electronic circuitry
- Production and balancing of fans within your own product assemblies.



## DC / EC Combustion Fans

A combustion fan pushes air at the right temperature and pressure into the chamber to ensure combustion. DC/EC combustion fans typically feature backward curved impeller designs suitable for higher speed and higher pressure operation. Modern burner systems such as gas condensing boilers need to be supplied with a consistent flow of air-fuel mixture across all ambient conditions and operational modes.

## Manufacturing since 1964

The first combustion fan produced by Torin was in 1964. During this period we have established ourselves as a clear market leader for the supply of Combustion fans to various markets across the globe. To date, we have sold nearly 15 million fans in both AC and DC technologies.

## Custom Solutions

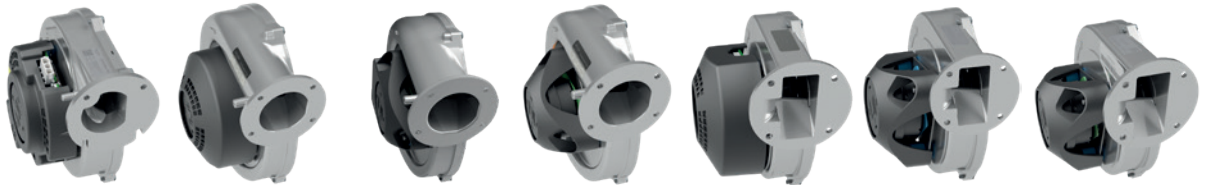
The combustion fans can also be adapted to offer customised solutions. Options available can vary from plug type and mounting hole position to fully bespoke, low-profile designs for specific applications. If you're interested in our customised solutions, take a moment to view the services we have on offer.

## Quality and Service

The success of Torin has been built upon a foundation of five specific principles. These remain at the centre of our commitment to our customers;

- The development of **Trusted Relationships** with our customers.
- The development of **Products & Technologies** that meet the exact needs of our customers.
- The most **Competitive Pricing** possible to enhance value to our customers.
- High product **Quality & Reliability** to maintain our customers' brand reputation.
- Excellent **Customer Service** to improve our customers' cost efficiency.

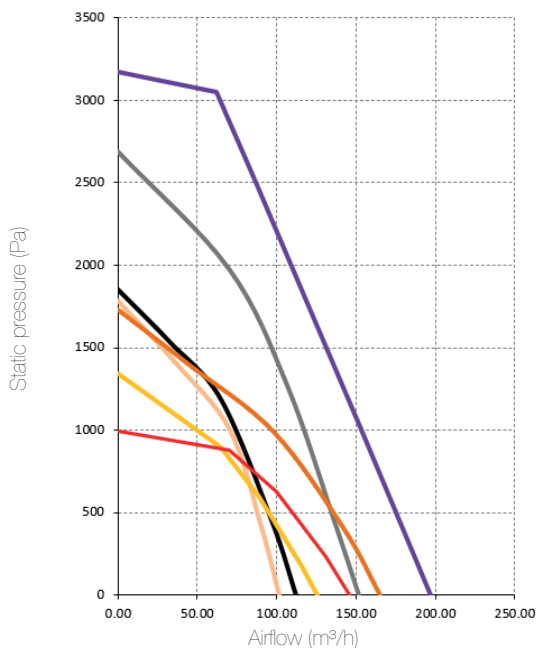
# DC/EC Combustion Fan range summary










DSB126-15 HEF 325V	DSB126-15 LV 24V	DSB126-15 HV (EC) 230V	DSB144-22 HEF 325V	DSB144-22 LV 24V	DSB144-22 HV (EC) 230V	DSB128-18 230V
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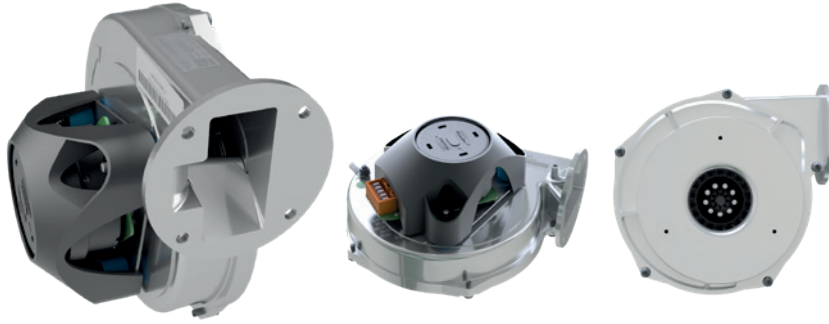
## Technical Data

Supply Voltage (rms)	325 / VF	24 / DC	230 / 1 / 50/60	325 / VF	24 / DC	230 / 1 / 50/60	230 / 1 / 50
Max Airflow	152 m³/h	112 m³/h	102 m³/h	165 m³/h	160 m³/h	197 m³/h	129W m³/h
Max Current	1.17 A	3.47 A	0.47 A	0.75 A	3.25 A	0.97 A	0.78 A
Max Input Power	142 W	80 W	58 W	87 W	78 W	147 W	87.5 W
Max Speed	8500 rpm	7000 rpm	6800 rpm	6400 rpm	6600 rpm	8500 rpm	7000 rpm
ErP Efficiency Rating (FMEG)	NA	NA	NA	NA	NA	NA	NA
Ip Rating	00	00	00	00	00	00	00
Motor Insulation Class	B	B	B	B	B	B	B
Temperature Range	-10°C to +50 °C	-10°C to +50 °C	-10°C to +75°C	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C	-10°C to +75°C
Weight	1.2 kg	1.3 kg	1.3 kg	1.4 kg	1.4 kg	1.5 kg	1.2 kg



### Consolidated Graph - EC/DC Combustion Fans

-  DSB126-15 HEF
-  DSB126-15 LV 24V
-  DSB126-15 HV (EC) 230V
-  DSB144-22 HEF 325V
-  DSB144-22 LV 24V
-  DSB144-22 HV (EC) 230V
-  DSB128-18 230V

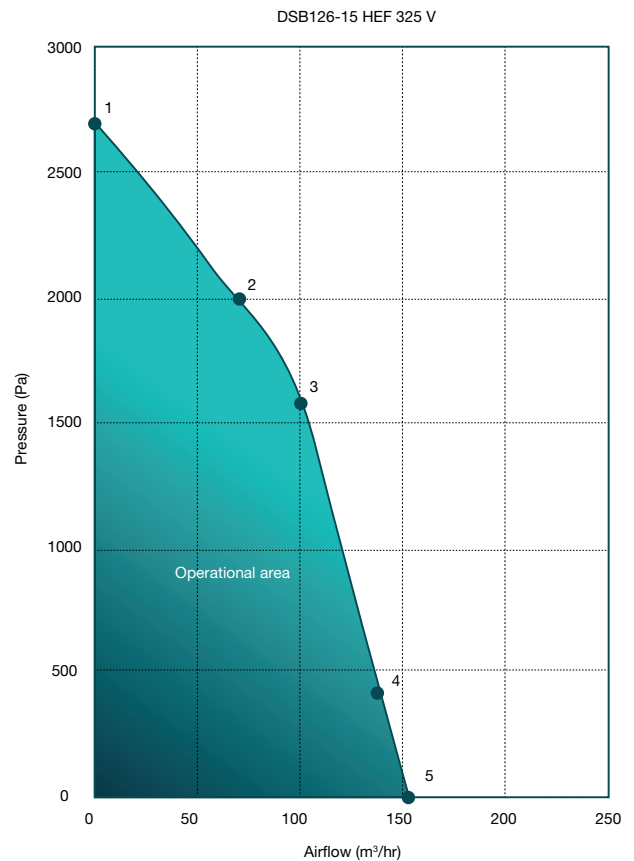


## DC/EC Combustion Fans

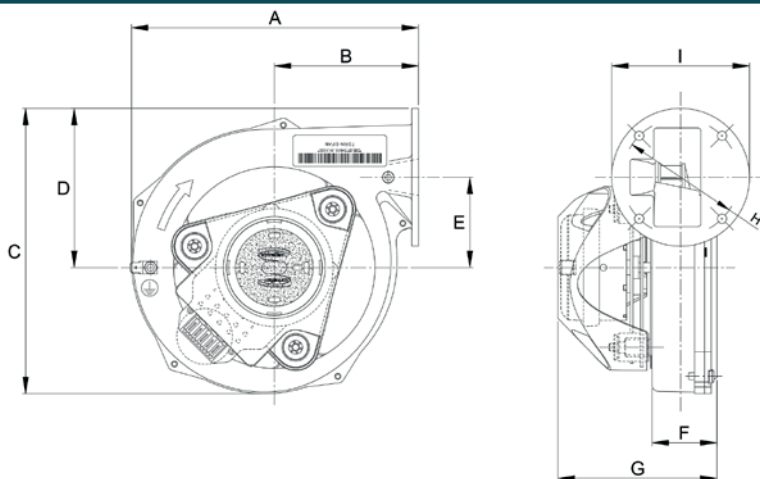
DSB126-15 HEF 325V

### Technical Data

Supply Voltage (rms)	325 / VF
Max Airflow	152 m³/h
Max Current	1.17 A
Max Input Power	142 W
Max Speed	8500 rpm
ErP Efficiency Rating (FMEG)	NA
IP Rating	00
Motor Insulation Class	B
Temperature Range	-10°C to +50 °C
Weight	1.2 kg



Tested in accordance with ISO 5801. Installation method - type A.

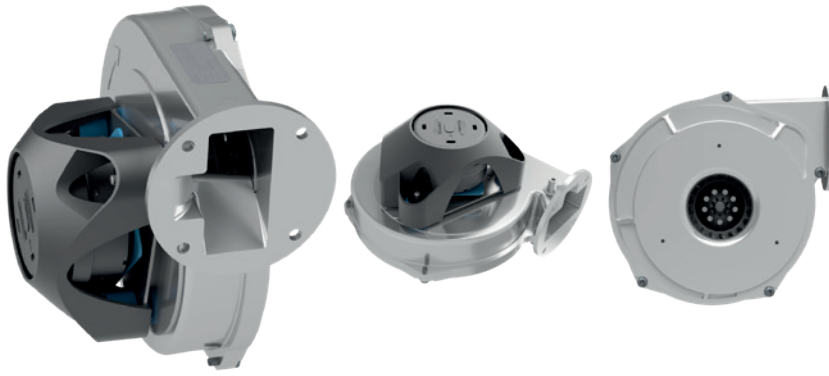


### Dimensions (mm)

A	173.9	G	96.3
B	87.3	H	71.0
C	172.9	I	83.5
D	96.5		
E	54.7		
F	39.3		



Efficiency with every rotation

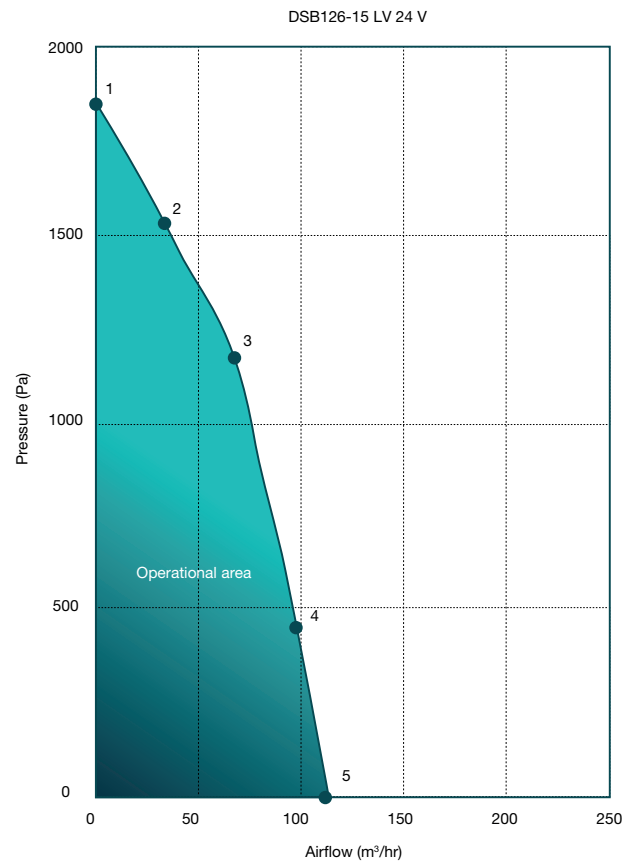


# EC DC/EC Combustion Fans

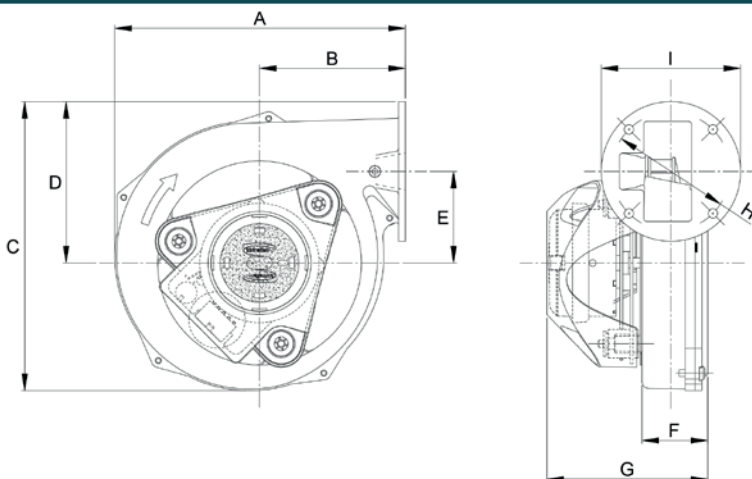
## DSB126-15 LV 24V

### Technical Data

Supply Voltage (rms)	24 / DC
Max Airflow	112 m³/h
Max Current	3.47 A
Max Input Power	80 W
Max Speed	7000 rpm
ErP Efficiency Rating (FMEG)	NA
IP Rating	00
Motor Insulation Class	B
Temperature Range	-10°C to +50 °C
Weight	1.3 kg

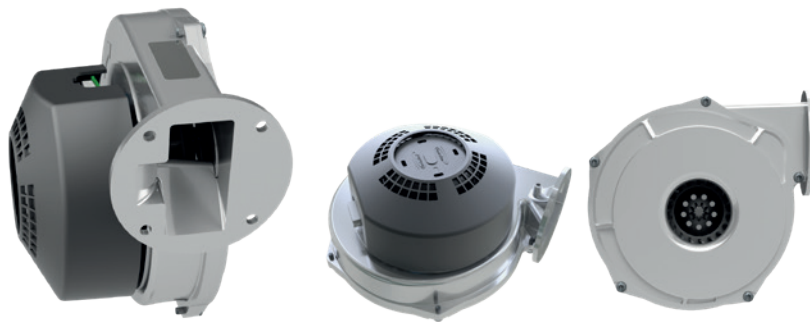


Tested in accordance with ISO 5801. Installation method - type A.



### Dimensions (mm)

A	173.9	G	96.3
B	87.3	H	71.0
C	172.9	I	83.5
D	96.5		
E	54.7		
F	39.3		



## DC/EC Combustion Fans

DSB126-15 HV (EC) 230V

### Technical Data

Supply Voltage (rms) 230 / 1 / 50/60

Max Airflow 102 m<sup>3</sup>/h

Max Current 0.47 A

Max Input Power 58 W

Max Speed 6800 rpm

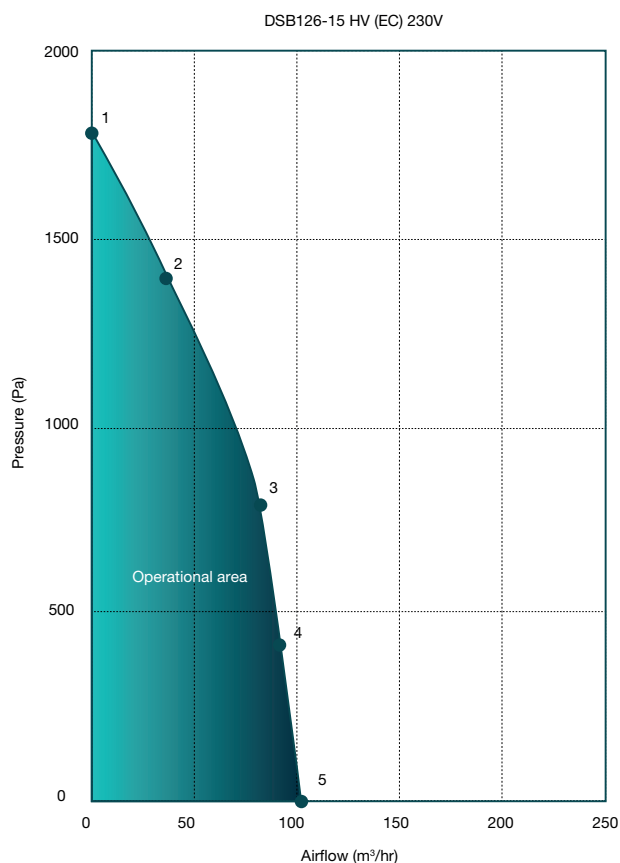
ErP Efficiency Rating (FMEG) NA

IP Rating 00

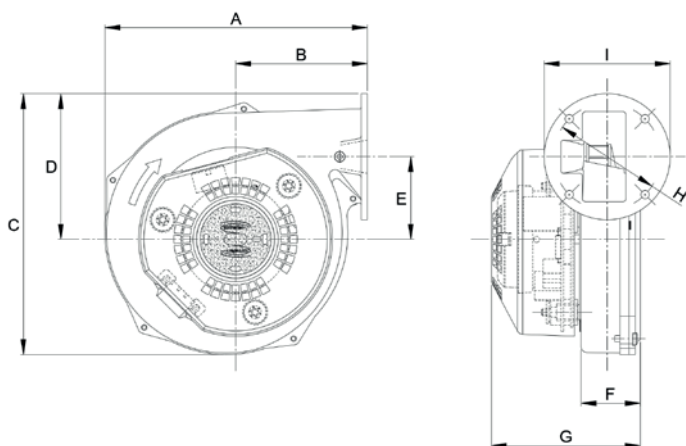
Motor Insulation Class B

Temperature Range -10°C to +75°C

Weight 1.3 kg



Tested in accordance with ISO 5801. Installation method - type A.



### Dimensions (mm)

A	173.9	G	98.8
B	87.3	H	71.0
C	172.9	I	83.5
D	96.5		
E	54.7		
F	39.3		



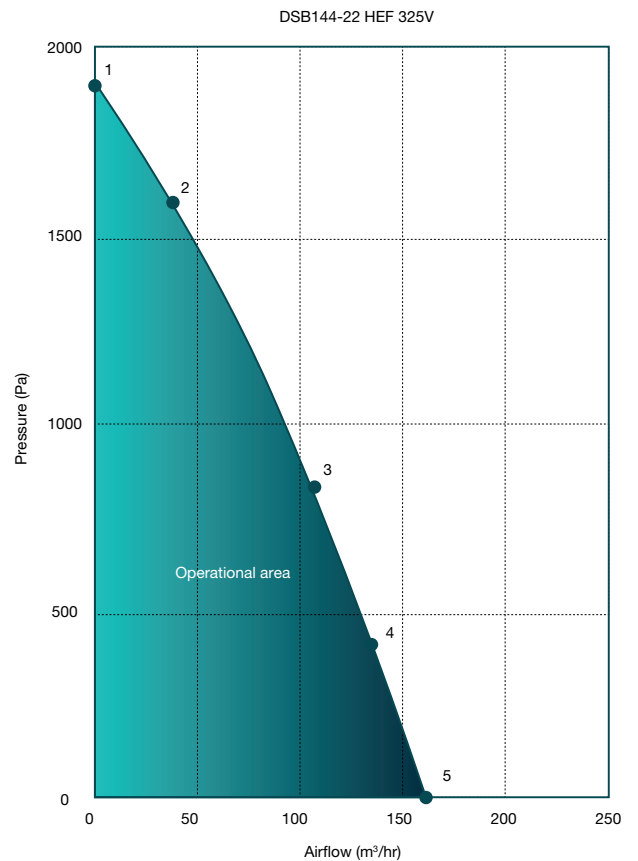


## DC/EC Combustion Fans

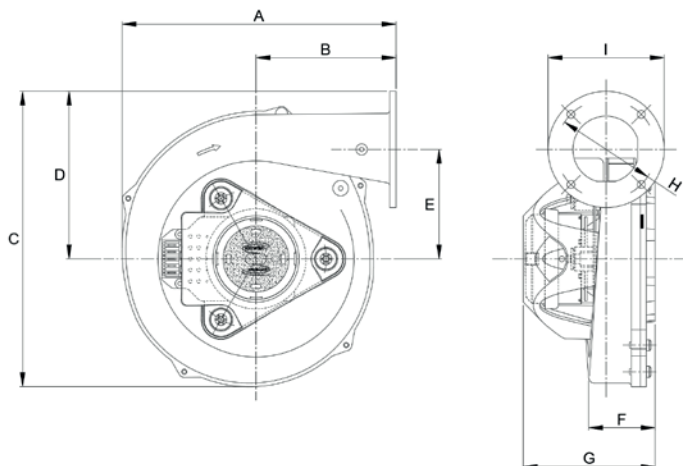
DSB144-22 HEF 325V

### Technical Data

Supply Voltage (rms)	325 / VF
Max Airflow	165 m³/h
Max Current	0.75 A
Max Input Power	87 W
Max Speed	6400 rpm
ErP Efficiency Rating (FMEG)	NA
IP Rating	00
Motor Insulation Class	B
Temperature Range	-10°C to +50°C
Weight	1.4 kg



Tested in accordance with ISO 5801. Installation method - type A.



### Dimensions (mm)

A	195.6	G	94.1
B	100.0	H	71.0
C	211.0	I	83.0
D	119.7		
E	78.2		
F	47.4		

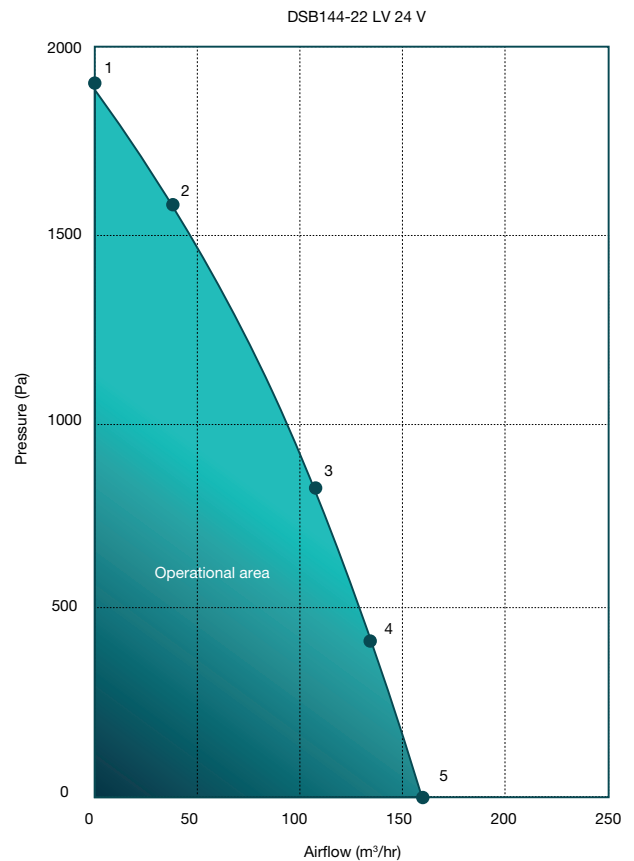


## DC/EC Combustion Fans

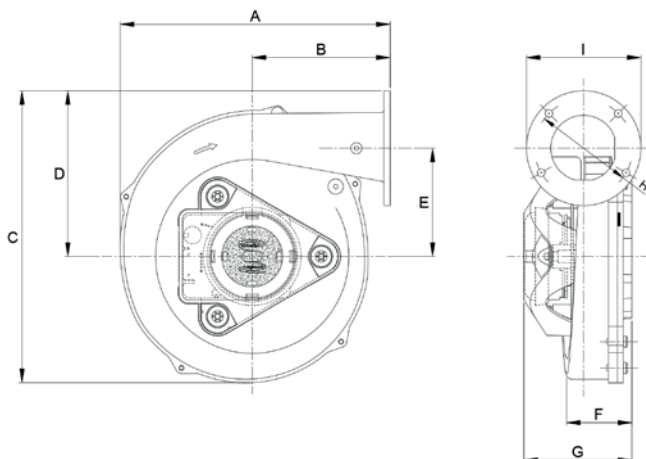
DSB144-22 LV 24V

### Technical Data

Supply Voltage (rms)	24 / DC
Max Airflow	160 m <sup>3</sup> /h
Max Current	3.25 A
Max Input Power	78 W
Max Speed	6600 rpm
ErP Efficiency Rating (FMEG)	NA
IP Rating	00
Motor Insulation Class	B
Temperature Range	-10°C to +50°C
Weight	1.4 kg



Tested in accordance with ISO 5801. Installation method - type A.



### Dimensions (mm)

A	195.6	G	78.3
B	100.0	H	71.0
C	211.0	I	83.0
D	119.7		
E	78.2		
F	47.4		

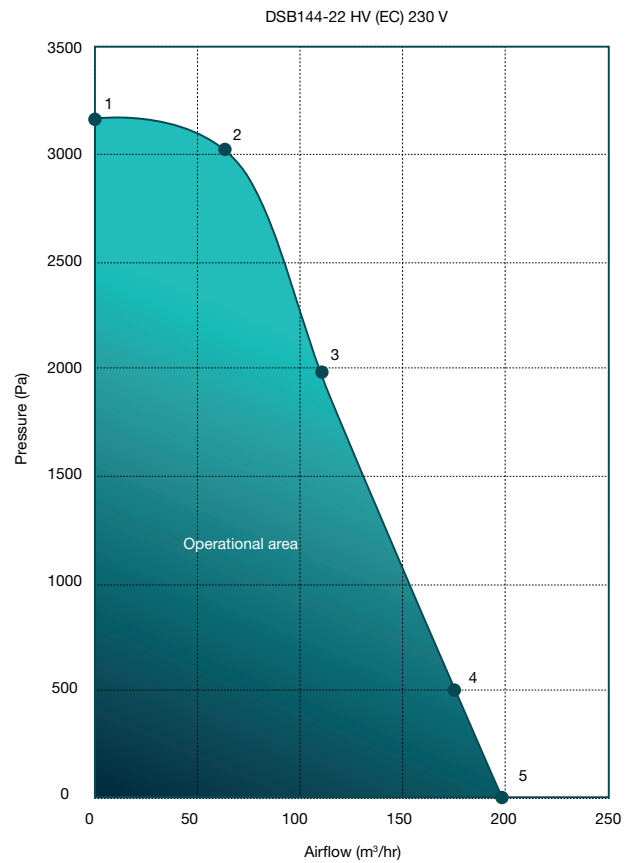


# EC DC/EC Combustion Fans

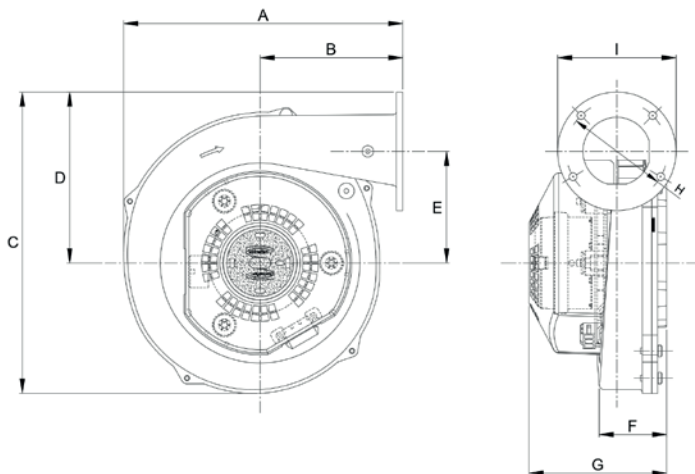
DSB144-22 HV (EC) 230V

## Technical Data

Supply Voltage (rms)	230 / 1 / 50/60
Max Airflow	197 m <sup>3</sup> /h
Max Current	0.97 A
Max Input Power	147 W
Max Speed	8500 rpm
ErP Efficiency Rating (FMEG)	NA
IP Rating	00
Motor Insulation Class	B
Temperature Range	-10°C to +50°C
Weight	1.5 kg



Tested in accordance with ISO 5801. Installation method - type A.



## Dimensions (mm)

A	195.6	G	96.5
B	100.0	H	71.0
C	211.0	I	83.0
D	119.7		
E	78.2		
F	47.4		

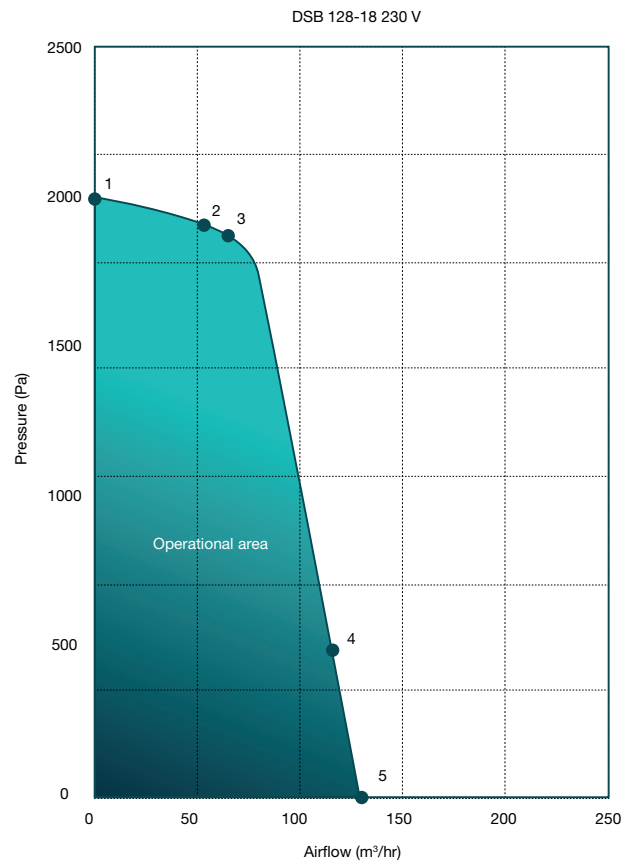


## DC/EC Combustion Fans

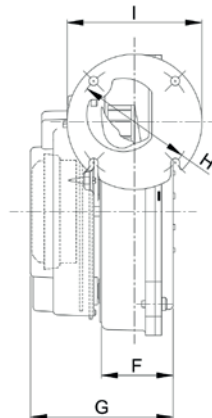
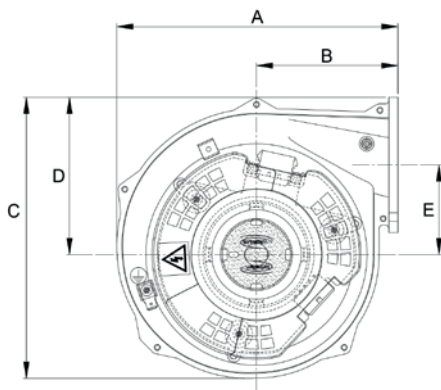
DSB128-18 230V

### Technical Data

Supply Voltage (rms)	230 / 1 / 50
Max Airflow	129W m <sup>3</sup> /h
Max Current	0.78 A
Max Input Power	87.5 W
Max Speed	7000 rpm
ErP Efficiency Rating (FMEG)	NA
IP Rating	00
Motor Insulation Class	B
Temperature Range	-10°C to +75°C
Weight	1.2 kg



Tested in accordance with ISO 5801. Installation method - type A.



### Dimensions (mm)

A	172.8	G	87.6
B	87.0	H	71.0
C	172.5	I	83.0
D	96.5		
E	55.0		
F	45.0		





**torin**  
Efficiency with every rotation

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