



# HITI SERIES

In-line Centrifugal Fan

# HITI SERIES



## Ancillary Equipment



Ceiling Grilles  
Ref. Section L



Ducting, Louvres & Grilles  
Ref. Section L

## Suggested Specification

In-line fans of the HITI Series shall be as supplied by Elta Fans. Impellers shall be backward-curved centrifugal design and driven by speed-controllable external rotor motors with integral thermal overload protection. The housing is of pressed galvanised steel. All models shall be fully tested to ISO 9001:2000 for airflow.

## Description

The HITI Series of duct-mounted centrifugal in-line fans is designed to exhaust or supply air to a wide range of applications. This powerful in-line fan is perfect for direct duct connection. All metal galvanised body means the fan will last under hard wearing applications. Backward curved impellers create a strong reliable airflow and a stall free performance. Available in 6 models to suit 100 to 315mm spigot sizes.

### Typical Applications

Suitable for ventilating in residential, commercial and industrial applications such as toilets, kitchens, bathrooms in homes, hotels, apartments and offices. Also suitable for equipment cooling.

### Features

- Available in 6 models to suit 100 to 315mm diameter spigot sizes.
- Housing is manufactured from DC04 galvanised steel, rotor has an aluminium casing.
- Backward curved impellers create a strong reliable airflow and a stall free performance.
- Ball bearing motor for long lifespan.
- External rotor AC motor.
- Motors and impellers are balanced to G6.3.
- Built in thermal protection with automatic cut off.
- Rated IP44.
- Class F insulation.

### Construction

The housing is manufactured from DC04 galvanised steel. Rotor is made of either steel or tough polyamide with reinforced glass fibre or a combination of both depending on model/size. Impellers are backward-curved centrifugal driven by external rotor motors.

### Motor

Type - external rotor motors.

Electricity supply - 230V, single-phase, 50/60Hz.

Bearings - sealed for life, ball.

Maximum ambient temperature - 60°C.

Class F insulation, IP44.

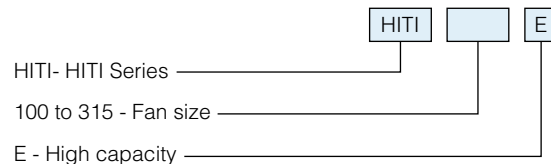
### Testing

Built and tested to ISO 9001:2000 for airflow.

### Internal Thermal Protection

Overheat protection with automatic reset and cut off.

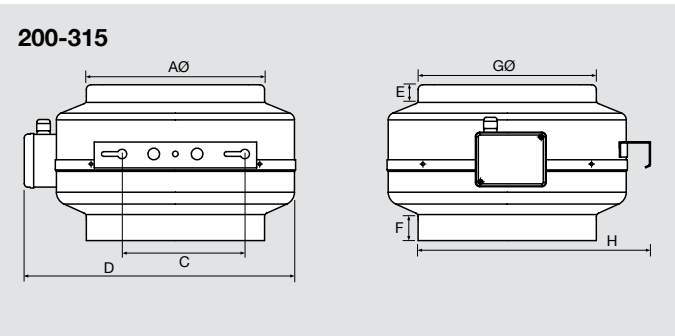
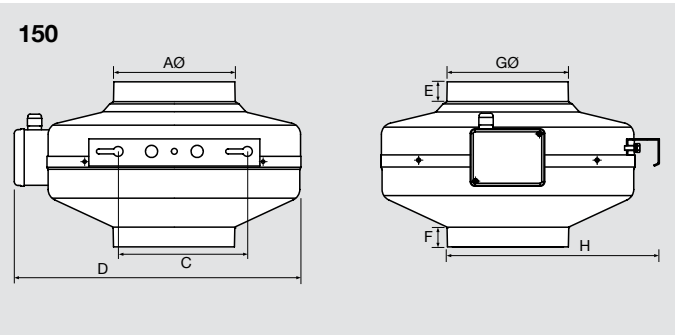
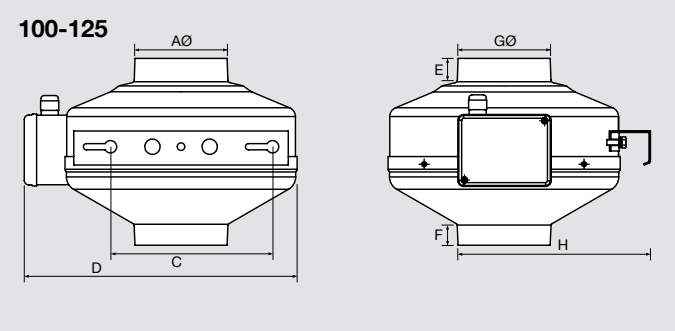
## How To Order



## Technical Data

Model	Free Air	Fan	Avg	Approx.		
HITI...	m³/sec	Speed	dB(A)	Watts	Amps	weight
		rev/sec	@3m			kg.
<b>100E</b>	0.072	38.33	58	66	0.32	3
<b>125E</b>	0.097	35.5	58	73	0.33	3
<b>150E</b>	0.152	40.25	60	91	0.42	4.5
<b>160E</b>	0.166	35.33	63	105	0.48	5.5
<b>200E</b>	0.25	41.16	63	175	0.80	5.7
<b>250E</b>	0.277	39.66	63	156	0.71	6
<b>315E</b>	0.444	41.66	68	202	0.92	6.3

# Dimensions



Model Number HITI-...	Dimensions, mm							
	AØ	B	C	D	E	F	GØ	H
100E	243	196	170	286	22	22	98.2	275
125E	243	196	170	286	25	30	125	275
150E	333	217	170	377	25	22	147	365
200E	333	216	170	377	25	25	198	365
250E	333	216	170	377	25	36	247	365
315E	402	255	170	444.5	32	40	315	434

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