



ZOO

DESTRATIFICATION FAN



The ZOO Fan de-stratifies by producing a gentle column of air that draws warm air from the ceiling and forces it down to floor level. This creates a more comfortable, more productive indoor environment for occupants and has the potential to reduce energy consumption.

ZOO fans are available with either AC or energy efficient EC motors. Models with EC technology feature fully integrated, infinitely variable speed control which eliminates the need for an external VSD, current overload and motor phase protection. Optional matching sensors monitor the temperature and provide real time feedback to the fan. The fan's on-board microprocessor then adjusts its speed to match the specific requirements of the area.

- Improve air circulation and thermal comfort with ceiling heights from 2.6 to over 30 metres.
- Ideal for supermarkets, car dealerships, shopping centres, warehouses, distribution centres and gymnasiums.
- Can reduce condensation issues and therefore reduce the occurrence of black mould.
- Can keep floors dry and eliminate hot and cold spots.
- Easy to install around obstructions such as lighting or overhead cranes.
- With the reduced energy costs, the typical payback periods is 1-3 years, with most of the ROI occurring in less than 2 years.
- Available with AC or energy efficient EC motors, and in 250mm and 300mm sizes.
- Have been tested to ISO 5801: 2007 for air flow performance and BS848 Part 2: 1985 for sound performance.

- Features a robust UV-treated PC ABS plastic housing that is fire resistant (5VB) and long lasting.
- Fitted with an easy to reach IP54 terminal box and comes with Gripple attachments.

CONTROLLERS

MANUAL EC SPEED CONTROLLER

Manually adjustable speed controller provides speed adjustment of ZOO EC fans through a 0-10V control signal.

AUTO EC SPEED CONTROLLER AND SENSORS

This intuitive ZOO EC controller can be used to manually control EC fan speed, or create a flexible demand control destratification system. When set to auto operation it will adjust air flows according to the temperature difference between two temperature sensors (typically placed near the floor and the ceiling.)



Manual EC Controller
(Code: DCV-POT10K-WM)



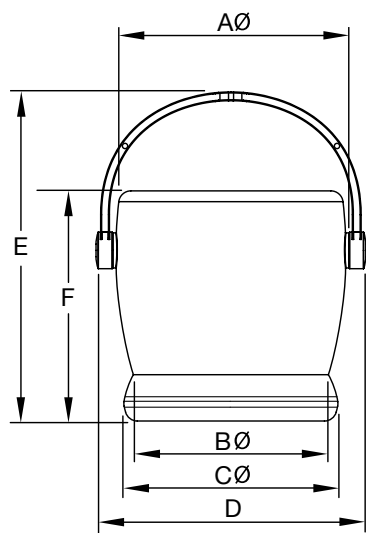
Zoo Fan EC Controller
(Code: ZF-BRT-F606)



Temperature Sensors
(Code: ZF-BRT-T601)

*Conditions apply. For details visit: fantechtrade.com.au/warranty

DIMENSIONS



SPECIFICATIONS

MODEL NO.	AØ	BØ	CØ	D	E	F	APPROX. WEIGHT KG.	GUARDS**
ZFH25EC	379	300	352	445	539	375	9kg	No
ZFH25ECG	379	300	352	445	539	375	9kg	Yes
ZFH50EC	453	367	421	533	656	460	11kg	No
ZFH50ECG	453	367	421	533	656	460	11kg	Yes
ZFH60	453	367	421	533	656	460	10kg	No
ZFH60G	453	367	421	533	656	460	10kg	Yes

All dimensions in mm
**Finger guards on inlet and outlet

MODEL NO.	Fan Size (mm)	Fan Speed Rev/Sec	dB(A) @ 6m	dB(A) @ 12m	Free Air m³/s	Power Supply	kW	Amps	Max. Operating Temperature (°C)
ZFH25EC(G)	250	36	55	-	0.31	230V/ 1Ph/ 50Hz	0.057	0.49	60
ZFH50EC(G)	300	31	-	49	0.59		0.108	0.87	60
ZFH60(G)	300	22	-	40	0.54		0.1	0.42	60

// INDUSTRIAL RANGE



HVLS AND ZOO FANS GO HAND IN HAND

HVLS fans on their own are extremely effective at improving air circulation in open areas. However, in areas where obstructions affect the placement of a HVLS fan, adding ZOO Fans can optimise air flow.

For example, in warehouses, HVLS fans on their own will not be able to reach down long aisles of racking.

Adding ZOO Fans will create much needed circulation throughout the aisles. This leads to a more comfortable indoor working environment for occupants.

Working together, the HVLS and ZOO Fans create a highly efficient air circulation and destratification system in any space, despite any obstacles the space presents.