



# Jupiter

## De-Stratification Unit

### Features & Benefits

- Available in two sizes.
- Speed controllable.
- High velocity fans.
- Supplied with a grey coated finish - other colours available to special order.
- Available with built-in thermostat.

The motor hub and impeller are statically and dynamically balanced for smooth operation and optimum performance. Class F insulation, suitable for operating in atmospheres of up to 95% RH and ambient temperature of up to +60°C.

### General Installation

For cooling effect circulation of air is required in any given area. As a guide, mount Jupiter fans 4.5-6m apart, in tropical climates 3m apart.

Fans should be mounted so that they do not interfere with lighting installations in any way, Mount fans away from walls or pillars where possible to avoid obstruction of airflow.

### Controls

AEC 50 - Automatic controller, complete with high and low-level heat sensors that activate the unit when the temperature at high level is higher than at low level. Stepless manual or automatic units can control up to 5 Jupiter fans of the same size, they include a manual control knob, a temperature differential knob, a manual/automatic selector switch and an airflow up/down/off selector switch and neon indicator. The automatic system linked to the high and low level heat sensors offer temperature differential settings between 3°C to 15°C. The controller is housed in a surface mounting enclosure.

### Heat Saving

Heat savings are largely dependent on the difference between the roof level and the working level temperatures, the ventilation rate and the geographical position.

### Models

Model	Stock Ref
NJUP315	<b>457485A</b>
NJUP315CTS	<b>457486A</b>
NJUP400	<b>457487A</b>
NJUP400CTS	<b>457488A</b>

GEN

### Automatic Environment Controller

Model	Stock Ref
AEC 50	<b>457489</b>

GEN

### Suspension Pack

Stock Ref
<b>457490</b>

GEN

### Air Movement Fans

The Vent-Axia Jupiter range of de-stratification units is based on direct drive axial fans, housed in a neat and sturdy casing complete with eyebolts for suspension from chains or steel wires. Ideal for applications where the proposed mounting height requires higher velocity fans or where open bladed ceiling fans are considered unsuitable. Jupiter fans can be used in stores, warehouses, factories, workshops, as well as many other industrial applications. The unit provides effective and positive air movement to improve the working environment, particularly during summer months. In addition Jupiter fans can be used during the winter to re-circulate hot air from under ceilings and roofs down to living and working areas, thus helping to consume energy

### Electrical

Supply voltage 220-240V/1/50Hz. Direct drive axials with speed controllable motors.

### Performance

Models	Duty		Speed		dBA @3m	220/240V/50Hz/1Ph			Max Mounting Height	
	CFM	m <sup>3</sup> /s	RPM			kW	FLC	SC	Feet	metres
NJUP315	1290	0.610	1380	45	45	0.15	0.70	2.50	44	13.4
NJUP315CTS	1290	0.610	1380	45	45	0.15	0.70	2.50	44	13.4
NJUP400	3000	1.415	1320	51	51	0.35	1.60	5.50	72	22.0
NJUP400CTS	3000	1.415	1320	51	51	0.35	1.60	5.50	72	22.0

CTS models come complete with a built-in thermostat

### Dimensions (mm)

Size	A	B	C	D	Weight
315	500	380	200	84	11 kg
400	620	490	200	93	16 kg

