

ECOSTRAT

Consultants Specification

Air distribution and de-stratification shall be provided by the use of Nuair Ecosmart Destratifier fans, type Ecostrat Destratifier.

Calculation of fan numbers and models shall be obtained from Nuair design engineers.

Ecostrat fans shall be installed at a height of 2.5 - 3m above floor level, in positions agreed with the client, consultant, and Nuair engineer. Each Ecostrat Destratifier fan shall be securely mounted on 'custom-built' support brackets (by others), and set at an angle to project air towards the roof of the building. The exact installation angle shall be confirmed by the Nuair engineer.

Nuair 'speed controllers' type SPCON shall be installed in agreed positions, one controller for each Ecostrat Destratifier fan unit. The speed controllers shall be electrically connected in accordance with Nuair wiring diagram for either 1 Phase and 3 Phase fan units. The electrical connection shall provide for continuous operation of the fans during the 'timed' heating periods, or as specifically required by the consultant.

Unit Specification

Unit consists of a high performance axial flow fan housed within an aluzinc steel cabinet fitted with an aluminium alloy distribution grille.

Fan is directly driven by an electrical motor.

Impeller has precision moulded, thermoplastic or aluminium aerofoil blades.

Fan plate manufactured in steel and shaped to provide optimum flow conditions at the fan outlet.

Unit to have integrated finger guards fitted to the inlet side.

Motors to have inbuilt thermal protection.

Fan assembly to be balanced to ISO 1940 Grade GR6.3.

Ecostrat has a 3 year warranty.

Control

Transformer Speed Controls (SPCON/3SPCON) are used to provide discrete voltage steps. All models have class 'F' insulation and fitted with suitable fuses for short-circuit protection. The controller casing is

manufactured from plastic pre-coated steel or impact resistant polycarbonate. All models are suitable for indoor installations only. All controllers meet LVD and EMC directives for safety and electromagnetic compatibility.



Transformer speed controls produce a pure sine wave output resulting in quiet motor operation, therefore preferred for noise sensitive applications.