

Roof Extract Units

- 200mm - 760mm diameter
- Volume flow up to 9.2m³/s
- Static pressures up to 1000 Pa
- Four fan types allowing versatility of performance
- Rugged fibre glass construction casings
- Completely assembled units
- Mounting angle up to 30° slope
- Three types of mounting
- Wide range of motor options
- Commonality of appearance
- Full range of accessories available
- Inverter controllable

Sizes

DSP/DPI: 315, 355, 400, 450, 500, 630, 710mm diameter .
 DSM: 200, 250, 330, 400, 500, 630 and 760 diameter .
 DSC: 200, 250, 330, 400, 500 and 630mm diameter .
 Larger sizes are available please enquire for further details.
 DSJ Cowls are also available for use with our JM fans. These are available to suit the following sizes: 315, 400, 450 & 500mm diameter .

Fan Performance

Wide performance ranges are obtained by using 3 impeller designs to suit all types of applications. DPI units for input, volume flow is reduced by 10% compared with corresponding DSP figures and are supplied without anti-backdraught shutters.

Impellers

DSP/DPI: Impeller is as used in 2101GP fan. Product often used in low pressure applications.
 DSM/DSC: For higher pressure development, purpose designed mixed flow (DSM) and centrifugal (DSC) impellers are available.
 DSJ: Roof unit available with JM Aerofoil impeller. Please contact your local Express distributor for further details.

Motors

All motors are totally enclosed and are rated to class F.
 Most motors are suitable for inverter speed control down to 20% of full speed.

Electrical Supply

220 - 240V / 50Hz / 1 φ
 380 - 420V / 50Hz / 3 φ

Temperature Range

-40°C to 50°C without shutters .
 -20°C to 50°C with shutters .
 (All motors are not suitable for starting at temperatures lower than -20°C.)

Casings

The cowls are manufactured from cold pressed fibre glass which offers long life in the severest weather conditions. The colouring contains an ultra violet stabiliser which ensures the cowls will not fade due to sunlight.

Standard colourant: BS 5252 10 A05 (Goose wing grey).

The units are fully assembled, and leave our works in sturdy packaging. This allows quick and easy installation on site. Three methods of mounting, curb for a flat roof, purlin for a sloping roof or wall mounting (by using a Flakt Woods adaptor).
 Suitable for mounting up to 30° from horizontal.

Accessories

Bird Guards, Soaker Sheets, Inlet Guards, Purlin Boxes, Acoustic Curbs, Local Isolators, Electronic and transformer type speed controllers and frequency inverters. For a full range of accessories please see pages 121-125.



Application Guide

