



# Northern Fan Supplies Ltd

## Technical Data Sheet

ePowerBox AC



Quotation Number : **C737**  
 Project Name : **TIB LAKE**  
 Item Reference : **FRESH AIR FAN**

Project Code : BB-23505-1  
 Customer :  
 Date : Friday, December 16, 2022

Fan Code ePowerBox 67-450-1-4 (6FA)  
 Fan Diameter / Size 450  
 Velocity 6.3 m/s  
 Form of Running B (Horizontal)

Requested Duty (138V) 1m³/s @ 250 Pa (static)  
 Control Adjustment 138V  
 Outlet Dynamic Pressure 24 Pa

Duty Shaft Power 0.719 kW  
 Max Shaft Power 0.850 kW

Motor Frame Integral [ Class F ]  
 Motor Rating 0.850 kW  
 Full Load Current 4.1 A  
 Starting Current 15.58 A  
 Electrical Supply 220-240 Volts 50 Hz 1 Phase  
 Start Type Enquire  
 Motor Winding Standard

Regulation 1253/2014  
 UVU Efficiency 54.9%  
 UVU Target Efficiency 41.0%  
 Nominal Flow Rate 1.16 m³/s @ 403 Pa  
 Effective Input Power 0.850 kW  
 Nominal RPM 1410 rpm

SFP value 0.72 W/(l/s) @ Requested Duty  
 Power from mains 0.72 kW  
 Energy Consumption 2158 kWh (3000 h/year)  
 Running Cost / Year £194

Air Density 1.2 kg/m³ / 20 °C / 0 m / 50% RH  
 Smoke Venting Non Smoke Venting  
 Product Number BE450022

Acoustic figures for adjusted running speeds have been interpolated and are for reference only.

This Offer is made subject to the latest version of our A100-19 Terms and Conditions, a copy of which can be made available on request. Our lead times will be re-confirmed on receipt of manufacturing release and may be subject to change.

|           | Sound Spectrum (Hz) |     |     |     |    |    |    |     | Overall |             |
|-----------|---------------------|-----|-----|-----|----|----|----|-----|---------|-------------|
|           | 63                  | 125 | 250 | 500 | 1k | 2k | 4k | 8k  | Lw*     | LpA @ 3 m** |
| Inlet*    | -                   | 64  | 60  | 56  | 53 | 49 | 46 | 44  | 66      | 38          |
| Outlet*   | -                   | 71  | 66  | 63  | 61 | 57 | 49 | 49  | 73      | 45          |
| Breakout* | -                   | 58  | 48  | 38  | 31 | 27 | 24 | <20 | 58      | 24          |

\* Lw dB re 10<sup>-12</sup> W

\*\* dBA re 2x10<sup>-5</sup> Pa

Sound data at requested duty.

| Description                                                                                                                    |  | Qty                  |
|--------------------------------------------------------------------------------------------------------------------------------|--|----------------------|
| Fan<br>BE450022 - ePowerBox 67-450-1-4 (6FA)                                                                                   |  | 1                    |
| Accessories                                                                                                                    |  |                      |
| Optional Controllers & Sensors                                                                                                 |  | Optional Accessories |
|  EEDS (Switched - Electronic)<br>[EA900104] |  |                      |

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Selection Engine: 3.1.3.51p



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## Combination Data Sheet

### ePowerBox AC



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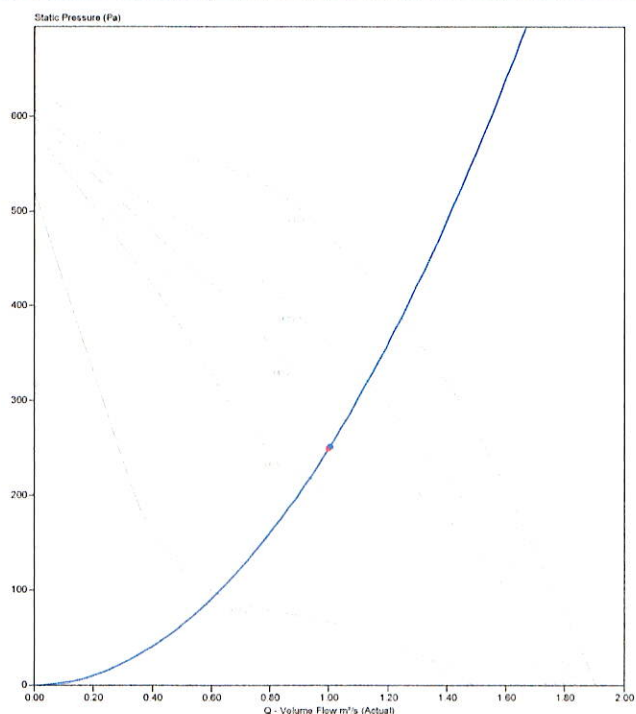
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\* Lw dB re 10<sup>-12</sup> W      \*\* dBA re 2x10<sup>-5</sup> Pa  
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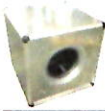
| Description                                                                             |                             | Qty |
|-----------------------------------------------------------------------------------------|-----------------------------|-----|
| <b>Fan</b><br>BE450022 - ePowerBox 67-450-1-4 (6FA)                                     |                             | 1   |
| <b>Accessories</b>                                                                      |                             |     |
|                                                                                         |                             |     |
| <b>Optional Controllers &amp; Sensors</b><br>EEDS (Switched - Electronic)<br>[EA900104] | <b>Optional Accessories</b> |     |

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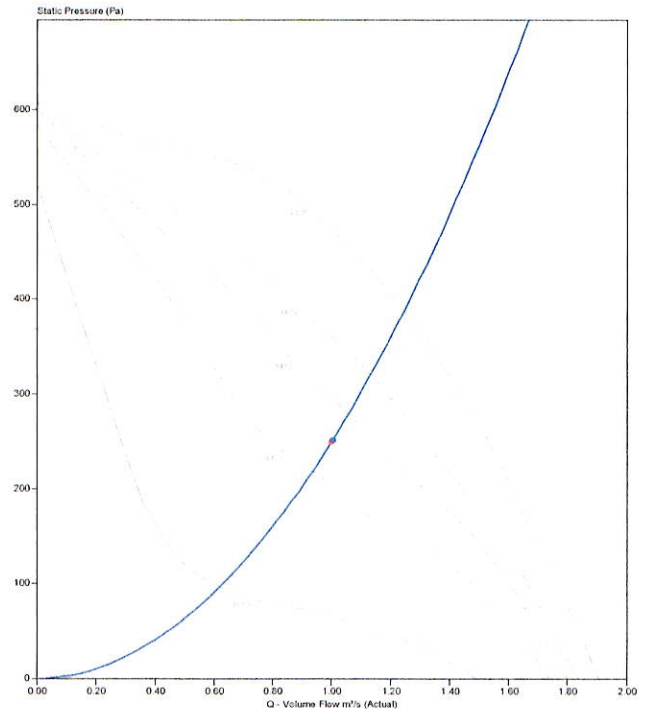
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 Sound data at requested duty.

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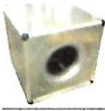
| Description                                                                                                                                                                 | Qty                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <b>Fan</b><br>BE450022 - ePowerBox 67-450-1-4 (6FA)<br><b>Accessories</b>                                                                                                   | 1                           |
| <b>Optional Controllers &amp; Sensors</b><br> EEDS (Switched - Electronic)<br>[EA900104] | <b>Optional Accessories</b> |

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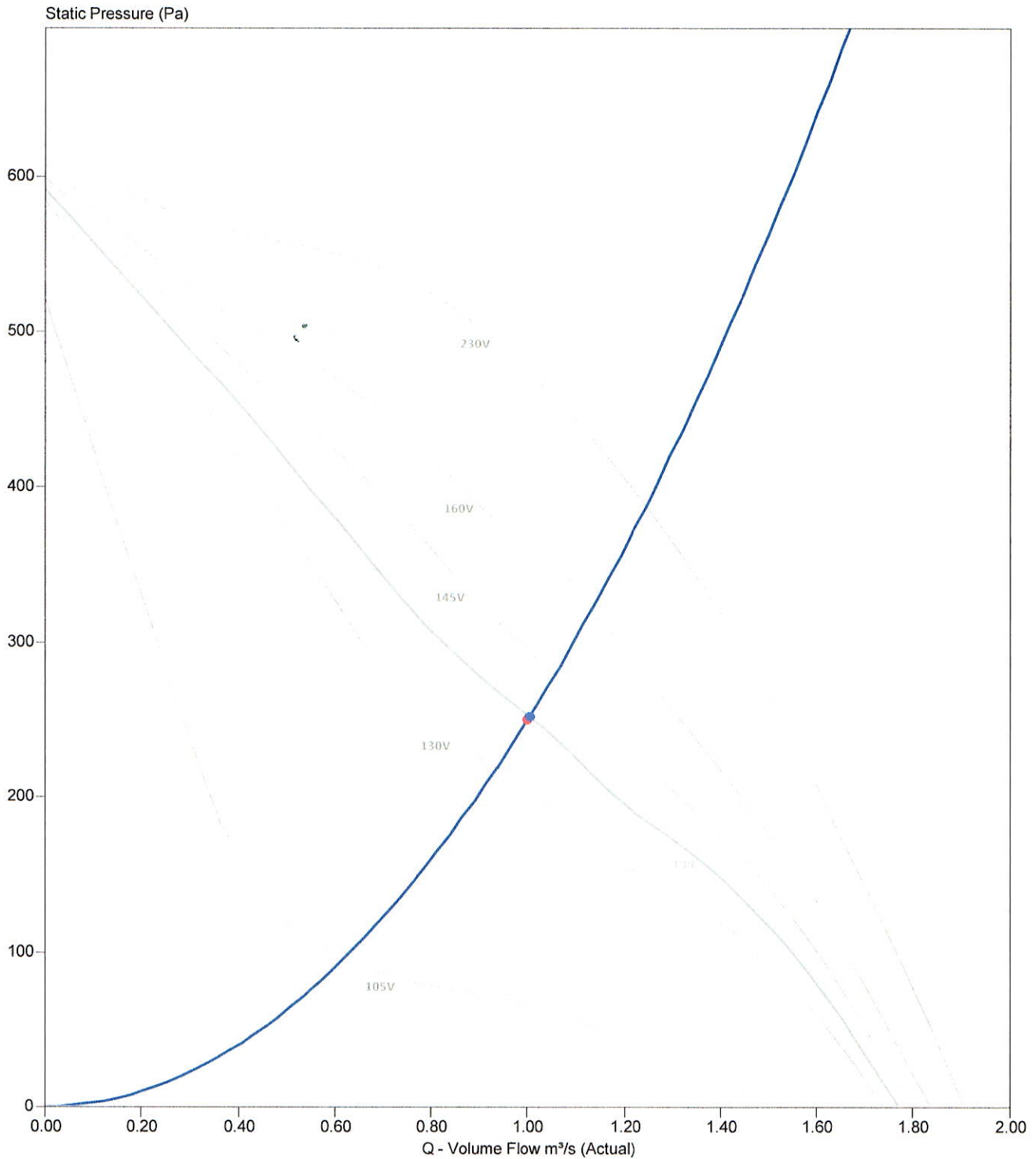
Website: <http://www.nfan.co.uk/>  
 Email: [kylejr@nfan.co.uk](mailto:kylejr@nfan.co.uk)  
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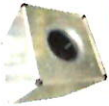
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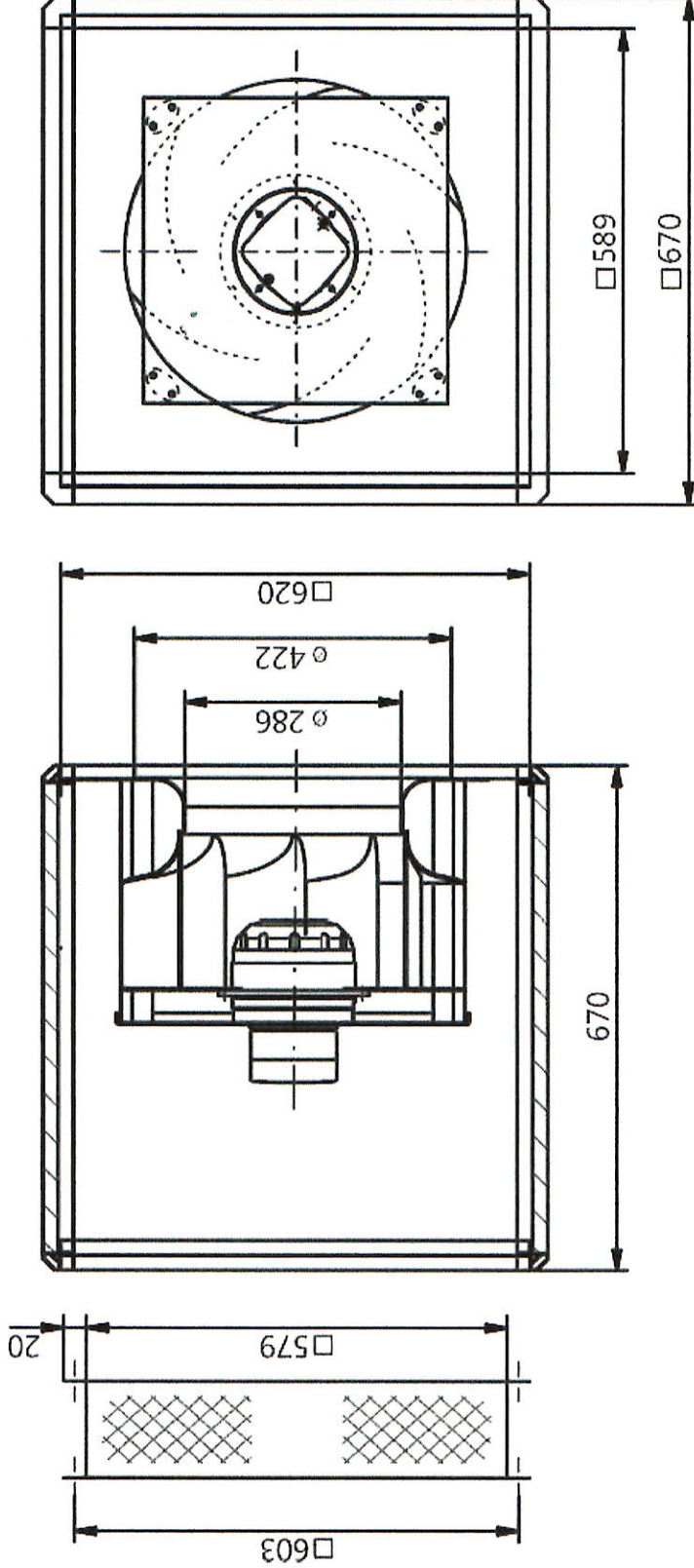
|                  |   |              |   |                            |
|------------------|---|--------------|---|----------------------------|
| Quotation Number | : | Project Code | : | BB-23505-1                 |
| Project Name     | : | Customer     | : |                            |
| Item Reference:  | : | Date:        | : | Friday, December 16, 2022  |
|                  |   | Fan Code     | : | ePowerBox 67-450-1-4 (6FA) |





Quotation Number :  
Project Name :  
Item Reference :

Fan Code : ePowerBox 67-450-1-4 (6FA)  
Customer :  
Date: Friday, December 16, 2022



Notes : Dimensions shown in mm / Weight in kg

This drawing shows dimensions that should be used as a guide only and are subject to change. Certified drawings are available on request.

Reference: Catalogue drawing

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