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Whilst the information given on this data sheet is fan specific, it is in summary and reference to the product selection catalogue and installation & maintenance documents is recommended.

This data sheet produced on 16 Jul 2025 11:54 using software version 5.8.4606.0

## Technical Data

**OEM Short Case, Pad Mount. Low temp (-50°C), 1.5 kW 4P 400V 3ph 50Hz TEAO IP56, with a PTO. PAG impeller. Flow form A. Hot dipped galvanised steel case.**

Fan Code: **SC710Z41GX-0DA/43**  
Form/Mounting: **A**  
Installation Manual Links: **671798**

Required duty: 10000 m³/hr at 250 Pa @ -32°C  
Addition for ancillaries: +5.91 Pa  
Actual duty: 10167 m³/hr at 265 Pa @ -32°C  
Actual at required flow: 10000 m³/hr at 269 Pa @ -32°C  
Actual duty: 10167 m³/hr at 218 Pa @ 20°C  
Actual at required flow: 10000 m³/hr at 221 Pa @ 20°C

### At full speed:

Absorbed power: 1.389 kW @ -32°C  
Maximum Absorbed power: 1.404 kW @ -32°C  
Motor Input Power: 1.628 kW @ -32°C  
Specific Fan Power: 0.6 W/(l/s) @ -32°C  
Fan Total Efficiency: 61% @ -32°C

Absorbed power: 1.142 kW @ 20°C  
Maximum Absorbed power: 1.155 kW @ 20°C  
Motor Input Power: 1.339 kW @ 20°C  
Specific Fan Power: 0.5 W/(l/s) @ 20°C

Maximum Fan Speed: 4 pole, 1,440 RPM  
Electrical Supply: 400V, 3 Phase, 50 Hz  
Nominal Motor Rating: 1.5 kW  
Motor current (flc): 3.86 A  
Motor starting current (sc): 31 A  
Overload setting: 4.25 A  
Motor Efficiency: IE3 / Premium Efficiency  
Starting currents are nominal. 4 kW and above are for Star Delta, all others are for D.O.L. starting.  
Blade angle: 25 °  
Max. Operating Temp: 60°C



## Sound Data

Noise calculated speed controlled to required duty (100%)

Sound Power Levels re 1 pWatts (Hz):

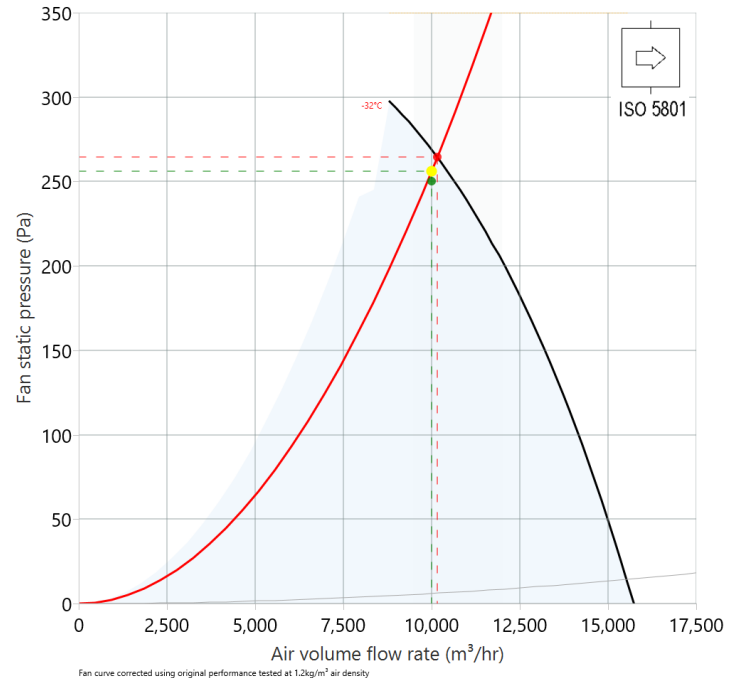
| Hz          | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | dBA | Lw  | LwA |
|-------------|----|-----|-----|-----|----|----|----|----|-----|-----|-----|
| Open Inlet  | 83 | 87  | 90  | 93  | 89 | 85 | 80 | 72 |     | 98  | 95  |
| Open Outlet | 83 | 87  | 88  | 90  | 89 | 85 | 80 | 74 |     | 97  | 94  |
| Total       | 86 | 90  | 92  | 95  | 92 | 88 | 83 | 76 | 75  | 101 | 98  |

dBA is spherical at 3 metres. For hemi-spherical add 3 dBA.

Lw = Sound Power, LwA = A-weighted Lw

Please note that the noise data stated on this data sheet for the unit and/or silencer is tested in accordance with UK, European and International industry laboratory standards. However onsite conditions may vary and we would recommend that this information is verified by an acoustic specialist in order to ensure its suitability for the intended application.

## Performance Chart



## ErP Directive 2015 Compliant

The following information confirms compliance with EU 327/2011 as required by ErP Directive 2009/125/EC. Only applicable within EU states.

|                            |           |
|----------------------------|-----------|
| Efficiency grade:          | 52        |
| Overall efficiency:        | 46.5 %    |
| Measurement category:      | A         |
| Efficiency category:       | Static    |
| Variable speed drive:      | None      |
| Input power at best point: | 1.331 kW  |
| Volume flow at best point: | 2.70 m³/s |
| Pressure at best point:    | 229 Pa    |
| Speed:                     | 1,440 RPM |
| Specific ratio:            | 1.002267  |

## Selected Ancillaries

|                                                        |                                    |
|--------------------------------------------------------|------------------------------------|
| 1 x SCT71GC/90                                         | Motor Side Guard - Zinc Passivated |
| <b>SCT71GC/90 - Motor Side Guard - Zinc Passivated</b> |                                    |
| Resistance at required duty                            | 5.91 Pa @ 10000.00 m³/hr           |
| Weight:                                                | 1.8 kg                             |

## Specification

710mm diameter short cased circular axial flow fan manufactured from hot dipped galvanised mild steel. Fan incorporates inlet and outlet flanges with pre-drilled bolt holes. Impeller blades manufactured from glass reinforced polyamide (PAG) mounted in a aluminium hub and A4 stainless steel fixings. Impeller balanced in accordance with ISO 1940. The motor is 50Hz 4 pole 1.5kW 400V three phase, single speed, totally enclosed air over, protected to IP56, pad mounted, class F (-50°C) insulated, with drain holes and has sealed for life bearings. The motor is fitted with a PTO. Motor efficiency is IE3. Motor efficiency stated is based on the IEC rated output for the motor. The motor has a 230V anti-condensation heater.



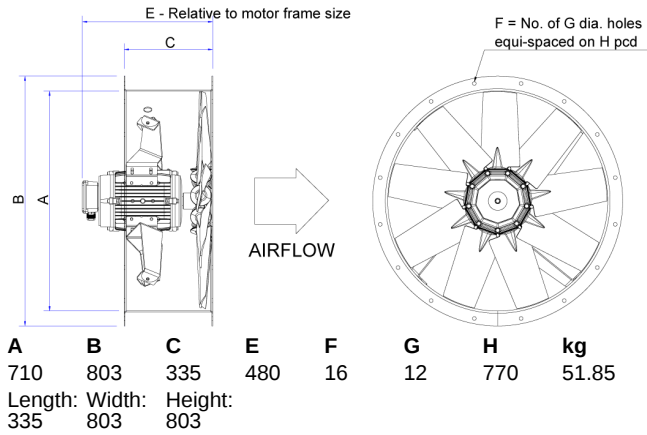
## SUMMARY FAN DATA SHEET

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### Fan Dimensions



Drawing is for dimensional purposes only. Dimensions in mm.

**Please see selected ancillaries section for additional dimensions for any requested additional ancillaries.**