

Nuaire, Western Industrial Estate, Caerphilly, CF83 1NA, United Kingdom. email:info@nuaire.co.uk

UK Commercial enquiries T:029 2085 8200 UK Residential enquiries T:029 2085 8500 International enquiries T:+44.29 2085 8497

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 23 sep 2025 09:52 using software version 5.8.4571.0

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 B. Hot dipped galvanised steel case.

Fan Code: **SC560F45GX-0D**
 Impeller ref: 560 / 10-10 / 45.0° / PAG / 3H
 Form/Mounting: B
 Installation Manual Links: 671798

Required duty: 4000 m³/hr at 0 Pa @ -25°C
 Addition for ancillaries: +2.44 Pa
 Actual duty: 12583 m³/hr at 24 Pa @ -25°C
 Actual at required flow: 4000 m³/hr at 1558 Pa @ -25°C
 Actual duty: 12583 m³/hr at 20 Pa @ 20°C
 Actual at required flow: 4000 m³/hr at 1319 Pa @ 20°C

At full speed:

Absorbed power: 1.149 kW @ -25°C
 Maximum Absorbed power: 1.289 kW @ -25°C
 Motor Input Power: 1.347 kW @ -25°C
 Specific Fan Power: 0.4 W/(l/s) @ -25°C
 Fan Total Efficiency: 51% @ -25°C

Absorbed power: 0.972 kW @ 20°C
 Maximum Absorbed power: 1.091 kW @ 20°C
 Motor Input Power: 1.14 kW @ 20°C
 Specific Fan Power: 0.3 W/(l/s) @ 20°C

Maximum Fan Speed: 4 pole, 1,440 RPM
 Electrical Supply: 230/400 V, 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: 45°
 Max. Operating Temp: 60°C



Sound Data

Noise calculated speed controlled to required duty (100%)

Sound Power Levels re 1 pWatts (Hz):

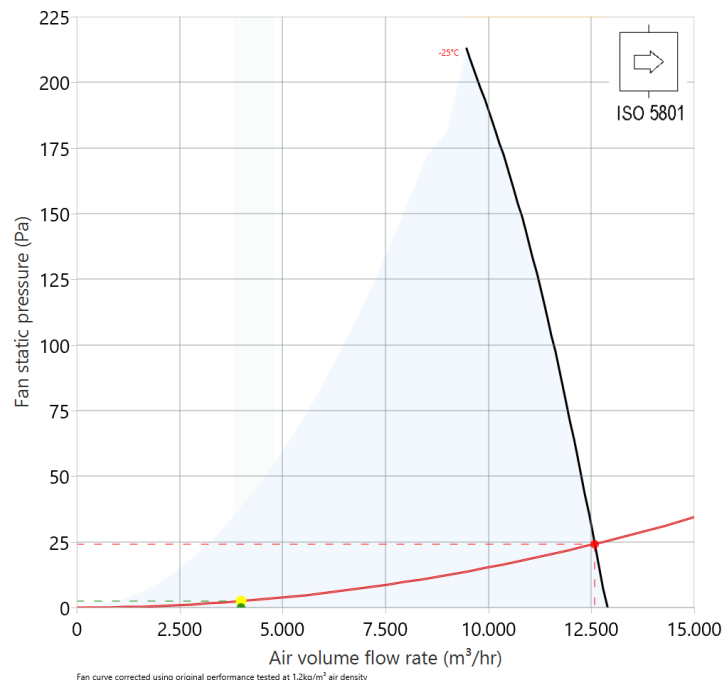
Hz	63	125	250	500	1k	2k	4k	8k	dBA	Lw	LwA
Open Inlet	80	80	82	85	82	79	75	70		91	88
Open Outlet	79	83	84	86	84	82	77	72		93	90
Total	82	85	86	88	86	84	79	74	70	93	92

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:	43
Overall efficiency:	37.2 %
Measurement category:	A
Efficiency category:	Static
Variable speed drive:	None
Input power at best point:	1.272 kW
Volume flow at best point:	2,63 m³/s
Pressure at best point:	180 Pa
Speed:	1,440 RPM
Specific ratio:	1.001782

Selected Ancillaries

1 x SCT56GC/90	Motor Side Guard - Zinc Passivated
SCT56GC/90 - Motor Side Guard - Zinc Passivated	
Resistance at required duty	2.44 Pa @ 4000,00 m³/hr
Weight:	1.5 kg

Specification

560mm 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 A2 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.



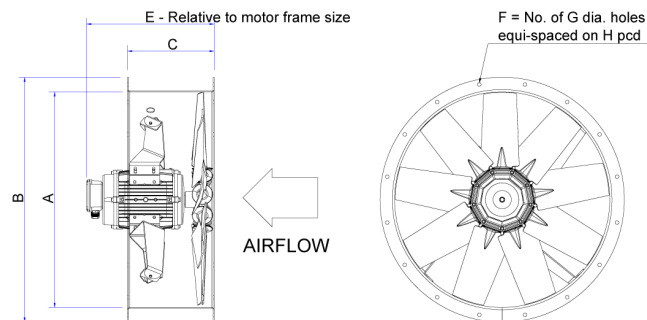
SUMMARY FAN DATA SHEET

Nuaire, Western Industrial Estate, Caerphilly, CF83 1NA, United Kingdom. email:info@nuaire.co.uk

UK Commercial enquiries T:029 2085 8200 UK Residential enquiries T:029 2085 8500 International enquiries T:+44.29 2085 8497

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 23 sep 2025 09:52 using software version 5.8.4571.0

Fan Dimensions



A	B	C	E	F	G	H	kg
560	652	285	440	12	12	620	33.14
Length: Width: Height:							
285	652	652					

Drawing is for dimensional purposes only. Dimensions in mm.

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