

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 06 Jul 2026 08:39 using software version 5.8.4635.0

Technical Data

OEM Short Case, Pad Mount. Low temp (-50°C), 4 kW 4P 400V 3ph 50Hz TEAO IP56, with a PTO. PAG impeller. Flow form B. Hot dipped galvanised steel case with 316 SS fixings.

Fan Code: **SC800AA42GX-0GU/4**
Form/Mounting: **B**
Installation Manual Links: **671798**

Maximum Fan Speed: 4 pole, 1,455 RPM
Electrical Supply: 400V, 3 Phase, 50 Hz
Nominal Motor Rating: 4 kW
Motor current (flc): 8.15 A
Motor starting current (sc): 77 A (DOL) 25.67 A (SD)
Overload setting: 8.97 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: 30 °
Max. Operating Temp: 60°C



Sound Data

Noise calculated speed controlled to required duty (100%)

Sound Power Levels re 1 pWatts (Hz):

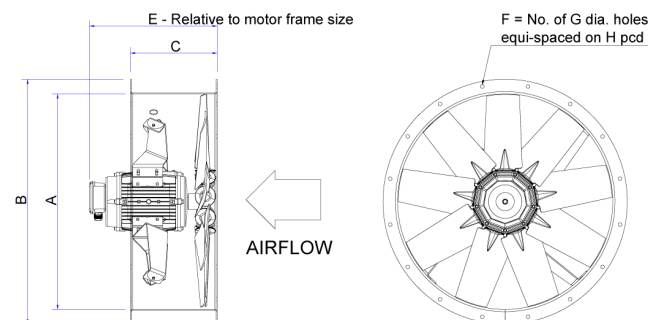
Hz	63	125	250	500	1k	2k	4k	8k	dBA	Lw	LwA
Open Outlet	80	91	95	96	95	91	85	80		103	100
Open Inlet	78	90	98	100	97	92	86	79		105	103
Open Inlet	74	82	94	96	97	94	87	79		103	102
Open Outlet	71	82	92	95	97	94	87	79		103	102
Open Inlet	75	82	93	94	95	92	87	79		102	100
Open Outlet	70	80	92	94	97	95	88	80		103	102
Total	82	94	100	101	99	95	89	83	82	107	105

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.

Fan Dimensions



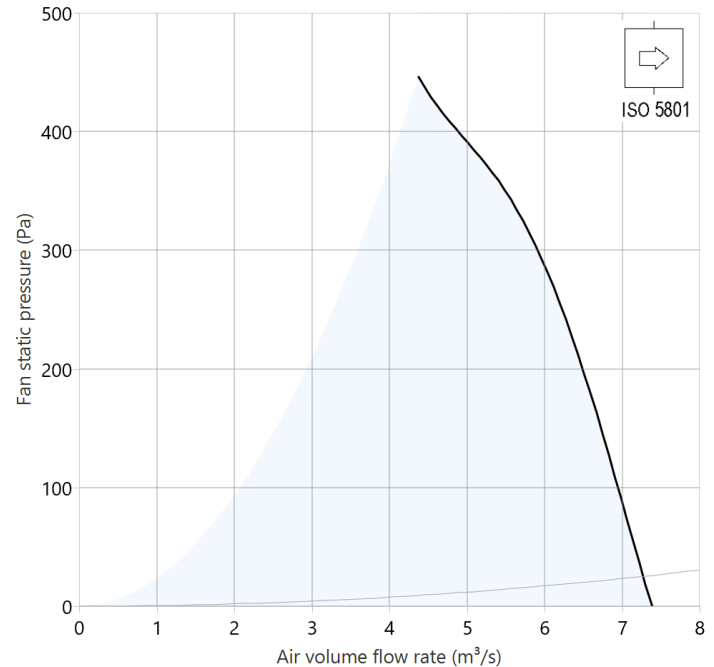
A	B	C	E	F	G	H	kg
800	904	285	470	16	12	860	71.72

Length: Width: Height:
285 904 904

Drawing is for dimensional purposes only. Dimensions in mm.

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

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:	55
Overall efficiency:	52.6 %
Measurement category:	A
Efficiency category:	Static
Variable speed drive:	None
Input power at best point:	3.711 kW
Volume flow at best point:	4.38 m³/s
Pressure at best point:	446 Pa
Speed:	1,455 RPM
Specific ratio:	1.004416

Selected Ancillaries

1 x SCT80GC/112-132	Motor Side Guard - Zinc Passivated
SCT80GC/112-132 - Motor Side Guard - Zinc Passivated	
Weight:	2.1 kg

Specification

800mm 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. The case has a 316 stainless steel fixing kit. 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 4.0kW 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.