

SUMMARY FAN DATA SHEET

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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.
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Technical Data *

AX - Axus Circular 2 Speed, Aluminium Blades

Two Speed Circular Cased Axial Fan

Fan Code:	AX40B-213ATDUAL
Installation Manual Links:	671220
Required Duty:	800 l/s @ 300 Pa
Actual Duty:	883 l/s @ 365 Pa
Actual at Required Flow:	800 l/s @ 391 Pa
Motor Efficiency:	70 %
Fan Total Efficiency:	59 %
Fan Input Power:	0.582 kW
Maximum Fan Input Power:	0.59 kW
Motor Input Power:	0.828 kW
Specific Fan Power:	0.9 W/(l/s)
Nominal Fan Speed:	2 / 4 Pole 2,800 / 1,420 RPM
Electrical Supply:	3 Phase
Nominal Motor Rating:	0.65 / 0.1 kW
Blade Angle:	25 °
Max. Operating Temp.:	55°C

ErP D 2013 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:	48.0 %
Measurement Category:	D
Efficiency Category:	Total
Variable Speed Drive:	None
Input Power at Best Point:	0.76 kW
Volume Flow at Best Point:	1.26 m ³ /s
Pressure at Best Point:	231 Pa
Speed:	2800 RPM
Specific Ratio:	1.0

Sound Data

Acoustic performance to BS848 Part 2.2 and AMCA 300.
Breakout Noise (dBA): 62 dBA @ 3m
Breakout level is spherical. For hemi-spherical add 3 dBA.

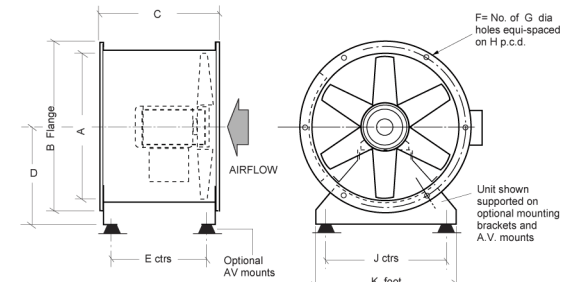
Sound Power Levels re 1 pWatts (Hz):								
Hz	63	125	250	500	1k	2k	4k	8k
Induct Inlet	95	82	94	88	83	78	73	68
Induct Outlet	91	84	93	92	87	81	73	69
Open Inlet	81	74	90	86	83	78	73	68
Open Outlet	78	77	89	90	86	80	73	69
Breakout	89	77	87	84	74	68	57	46

Noise calculated at actual duty of fan.
Values shown are for inlet Lw and outlet Lw sound power levels for: Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

Specification

Axus circular inline axial flow fan manufactured from pre-galvanized mild steel for sizes 250-1250 diameter. 1400 diameter and above are manufactured from mild steel with hot dip galvanized finish. Fan incorporates inlet and outlet flanges with pre-drilled bolt holes, and an external terminal box to IP55. The two speed full/half dual wound motor is totally enclosed and protected to IP55, foot mounted class 'F' insulated and has sealed for life ball bearings. Blades manufactured from Aluminium mounted in a die cast aluminium alloy hub as standard.

Fan Dimensions



A	B	C	D	E	F	G	H	J
400	490	440	270	370	8	12	450	290
K	kg							
340	22							

The drawing is for dimensional purposes only. Dimensions in mm.

Wiring Information

For complete wiring details please refer to the Installation & Maintenance Manual reference 671220 on our website.

Performance Curve

