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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

SQF - Squif In-line Single Fans

Fan Code: **SQF43-3**
Installation Manual Links: **671834**

Required duty: 1.485 m³/s at 200 Pa
Actual duty: 1.748 m³/s at 277 Pa
Actual at required flow: 1.485 m³/s at 383 Pa

When speed controlled to required duty (84.96%):

Fan Input Power: **0.555 kW**
Motor Input Power: **0.726 kW**
Specific Fan Power: **0.5 W/(l/s)**
Velocity at required duty: 3.046 m/s
Fan Total Efficiency: 55%

At full speed:

Fan Input Power: 0.904 kW
Maximum Fan Input Power: 1.043 kW
Motor Input Power: 1.168 kW
Specific Fan Power: 0.7 W/(l/s)
Fan Total Efficiency: 40%

Maximum Fan Speed: 4 pole, 1,440 RPM
Electrical Supply: 400V, 3 Phase, 50 Hz
Nominal Motor Rating: 1.1 kW
Motor current (flc): 2.59 A
Motor starting current (sc): 18.389 A
Motor Efficiency: IE3 / Premium Efficiency

Max. operating temp: 90°C & 400°C for 2 hours
Weight: 102 kg
Starting currents are nominal for D.O.L. starting.



0086-CPR-741804 2797-CPR-672476 EN 12101-3:2015
Powered smoke and heat exhaust ventilators for use in
Construction Works. Application Classes, uninsulated, non
smoke reservoir, dual purpose.
Class F400 - 400°C / 120 mins. Motor rating Class B / F.

Sound Data

Acoustic performance to ISO 13347 and AMCA 300.

Noise calculated speed controlled to required duty (84.96%)

Sound Power Levels re 1 pWatts (Hz):

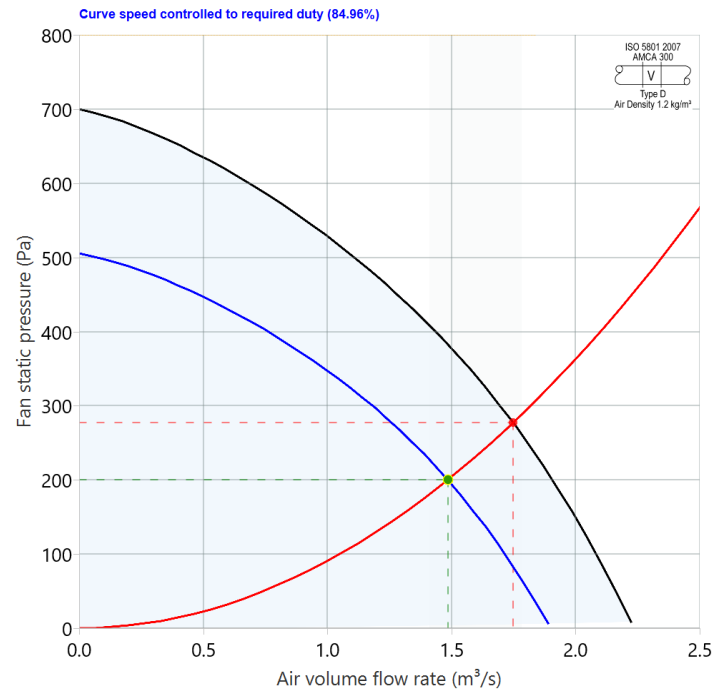
Hz	63	125	250	500	1k	2k	4k	8k	dBA
Induct Inlet	88	93	81	76	73	74	74	67	
Induct Outlet	85	94	77	74	78	79	75	69	
Breakout	82	87	73	68	64	65	59	45	53
For 100% speed:	+1	+2	+2	+3	+4	+4	+4	+4	

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

Values shown are for inlet Lw, outlet Lw sound power & breakout levels for:
Installation Type D: ducted inlet, ducted outlet. Ratings include the effects
of duct end correction.

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



Selected Ancillaries

1 x NAV44

Anti-vibration mounting kit

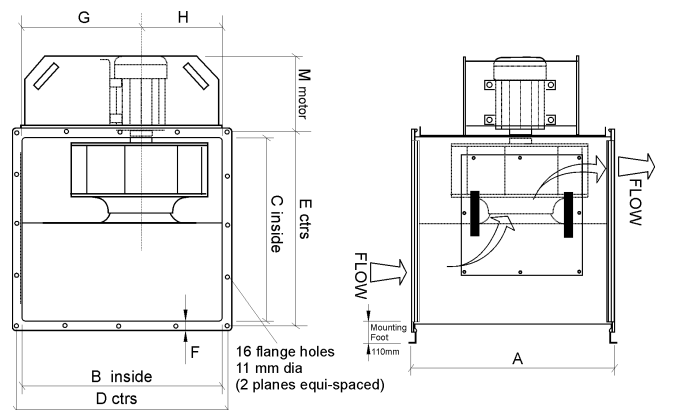
Specification

In-line centrifugal fan suitable for both vertical & horizontal mounting. The unit casing shall be heavy gauge galvanised steel. The fans shall be of high efficiency backward curved centrifugal design, manufactured in galvanised steel. Fans shall be direct drive with EFF2 high efficiency motors to BS5000 as standard. The unit motor shall be positioned outside the ventilation airflow path. The unit shall be capable of continuous operation at 90°C followed by one off operation at up to 400°C for a period of 2 hours.

NAV44

Spring type anti-vibration mountings, supplied as a set of 4.

Fan Dimensions



A	B	C	D	E	F	G	H	M
750	750	650	780	680	32	412	338	231

kg

102.0

Length: Width: Height:

750 780 911

Drawing is for dimensional purposes only. Dimensions in mm.

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