From: David Frimpong <David.Frimpong@nuaire.co.uk>
Sent: 05 November 2018 15:18
To: acp@wld-group.co.uk
Cc: Kathryn Jakab
Subject: RE: 36-38 Old Shoreham Rd
Attachments: FanDataSheets-20181105150701.pdf

Hi Alex

Further to our conversation, the reception room has the highest purge rate of 60l/s (5 achs)

The MEV-DC fan can achieve this flow rate installed with circa 20 meters of 220x90 or 150 ductwork and grilles

An MEV-DC fan would be required per space (reception, dining room etc)

Hope this provides the confirmation required, any queries please let me know

Best Regards

David Frimpong
Business Development Manager & Specification Engineer
New Build Residential South East
t 07767298115 e david.frimpong@nuaire.co.uk www.nuaire.co.uk
Nuaire | Western Industrial Estate | Caerphilly | CF83 1NA | United Kingdom

nuaire FOR THE COMPLETE VENTILATION SOLUTION

From: acp@wld-group.co.uk [mailto:acp@wld-group.co.uk]
Sent: 18 October 2018 16:28
To: Residential Enquiries <Residential.Enquiries@nuaire.co.uk>
Subject: 36-38 Old Shoreham Rd

Dear Sir/Madam

I phoned the other day for some technical information. The product attached we are installing into our property and we need to know if this product will achieve 4-5 air changes per hour please.

If you need any more information, please let me know.

Regards

Alex

ALEX PAGE **MCIAT Bsc (HONS)**

T 01903 233 332 Ext 131 | **DF** 01903 206 908 | **E** acp@wld-group.co.uk
1 The Steyne, Worthing, West Sussex, BN11 3DS

Warwick Lane DEVELOPMENTS LTD



Think before you print.

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SUMMARY FAN DATA SHEET

Nuaire Limited, 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 05 Nov 2018 15:07 using software version 3.6.19.2088 - 12-Mar-2018

Technical Data

MEVDC - Multi Point Extract
Multi Point Extract System

Fan Code:	**MEVDC**
Installation Manual Links:	671382
Required Duty:	60 l/s @ 100 Pa
Actual Duty:	74 l/s @ 154 Pa
Actual at Required Flow:	60 l/s @ 226 Pa
Velocity at Actual Duty:	m/s

When Speed Controlled to Required Duty (80.6%):

Velocity at Required Duty:	m/s
Motor Input Power:	**0.027 kW**
Specific Fan Power:	**0.5 W/(l/s)**
Motor Efficiency:	0 %
Motor Input Power:	0.052 kW
Specific Fan Power:	0.7 W/(l/s)
Nominal Fan Speed:	2,900 RPM
Electrical Supply:	230 V 1 Phase 50 Hz
Motor Rating:	0.06 kW
Motor Current:	flc: 0.38 A
Motor Current:	sc: 0.38 A
Max. Operating Temp.:	40°C
Weight:	5 kg

Sound Data

Acoustic perfomance to ISO 13347 and AMCA 300.

Sound Power Levels re 1 pWatts (Hz):

	63	125	250	500	1k	2k	4k	8k	dBA
Open Inlet	43	42	51	48	39	30	26	23	
Breakout									31

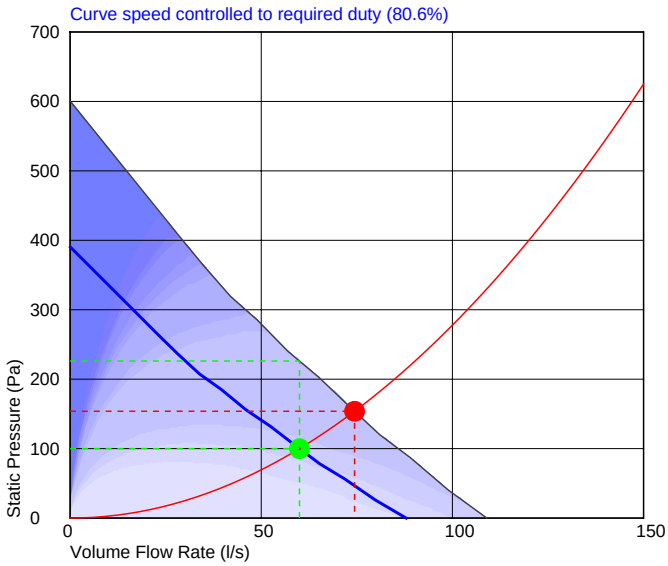
The above spectrums running speed controlled to required duty (80.6%). When running at full speed:

Open Inlet	45	44	54	52	44	35	31	28	
Breakout									34

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

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.

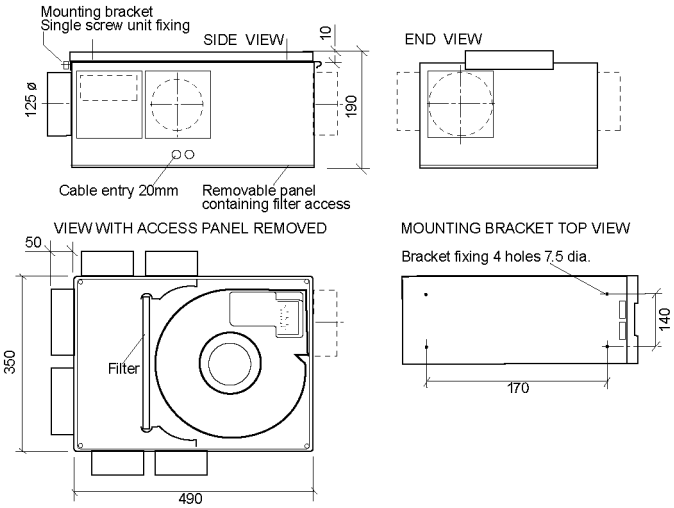
Performance Curve



Specification

The casing shall be of ABS moulded plastic with a part lined lid of high density class "O" flame retardant acoustic insulation. Maximum breakout shall be 34dBA (hemi-spherical radiation). A low profile single point mounting bracket allows for horizontal or vertical mounting. When installed the unit shall not project any further than 190mm from the surface onto which it installed. Air discharge shall be via 125mm diameter tapered spigot for easy connection to ducting. The unit shall be capable of multiple air inlets formatting. The unit casing allows the connection (via tapered air inlet spigots supplied with the unit) of up to 4 100mm diameter and 2 125mm diameter air inlet ducts. A quick release access panel allows for easy maintenance if filter is fitted. The unit shall incorporate a fully speed adjustable low energy, high efficiency DC fan/motor assembly with sealed for life ball bearings designed to operate continuously at a pre-set “background” design airflow rate with the ability to increase to a pre-set “boost” design airflow rate as and when required. It shall operate up to an ambient temperature of 40°C and be fitted with a one shot thermal overload protective device. A centrifugal backward curved impellor is dynamically balanced directly onto the motor. The unit incorporates electrical connections to allow for the unit’s "boost" airflow to be triggered by either a switched live signal or a remote speed control. When “boost” has been triggered by the switched live signal the unit shall incorporate an adjustable “run on” facility (optional). .

Fan Dimensions



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