HOWARD AND SEDDON PARTNERSHIP

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In Association with Townland Consultants H K
e-mail: admin@howardandseddon.co.uk Chartered Architects web: www.howardandseddon.co.uk

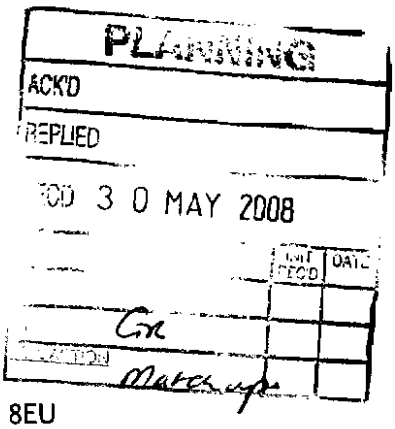
Your Ref: 086319/FO/2008
Our Ref: DKS/SCM/9051

29 May 2008

By email: g.reilly@manchester.gov.uk

Mr G Reilly
Manchester City Council
Town Hall
P O Box 463
Manchester
M60 2NY

PLANNING
ACK'D
REPLIED
REC'D 30 MAY 2008
INIT REC'D | DATE
Gr
ACTION Match up



Dear Gerry

PROPOSED BANQUET HALL AT A & A FASHIONS LIMITED
2 SAGAR STREET OFF BURY NEW ROAD MANCHESTER M8 8EU

Further to your request for additional information in relation to fume extraction please find enclosed a copy of our amended drawing number 9051/05B together with the technical specification for the proposed fan.

Please note that kitchen shown in the development is for preparation only.

Fan size has been calculated based upon the following:

An occupancy of 350 people at 28m3/hr per person
Total air required 2.7m3/s
Main external duct size based on 710mm dia
A main duct velocity of 7.1m/s
Total static pressure available for the system = 275Pa
Fan size 630mm dia
63Jm/20/4/6/24/3Ph Long cased axial flow fan.

I trust that this is the information you require.

Yours sincerely

cc Mr Hassan Choudhury, A & A Fashions (Alfour) Ltd, with enclosures.

MANCHESTER HONG KONG

DK Seddon BSc (Hons) MSc Dip Arch (Lon) RIBA AB Babington Dip Arch (Mans) DA RIBA
Associates: I McKinnell B C Worthington, L J Seddon MA Dip Arch (Mans) RIBA
Associate: Hong Kong Office: Keren R. Seddon BSc Dip TP MRTPI 1503 1505 Universal Trade Centre 3 5A Arbuthnot Road, Central, Hong Kong Tel (852) 2521 2911 Fax (852) 2521 6631

Northern Fan Supplies Ltd

Technical Data Sheet

JM Aerofoil

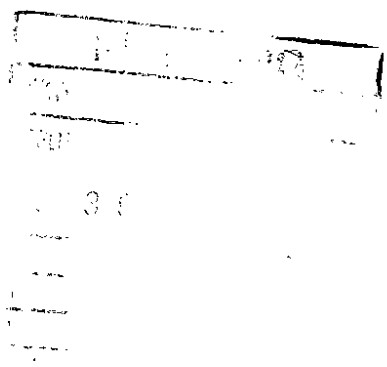
Project Name	: Fan Enquiry	Date:	: Wednesday, May 28, 2008
Quotation Number	:	Fan Code	: 63JM/20/4/6/24
Customer	: Howard and Seddon	Item Reference:	:

Fan Code	63JM/20/4/6/24
Fan Diameter / Size	630 mm
Blades	6
Fan Speed	1420 rpm
Velocity	8 8 m/s
Blade Angle	24°
Form of Running	B
Fan Casing	Long
Requested Duty	2.72m³/s @ 275 Pa (static)
Outlet Dynamic Pressure	47 Pa
Duty Shaft Power	1 4 kW
Max Shaft Power	1 4 kW
Total Efficiency	64 %
Motor Frame	F22
Motor Rating	2.1 kW
Full Load Current	5 A
Starting Current	27 A
Motor Mounting	Pad
Electrical Supply	380-420 Volts 50 Hz 3 Phase
Start Type	DOL
Motor Winding	Standard
Enclosure	Standard All
Air Density	1.2 kg/m³ / 20 °C / 0 m / 50% RH
Smoke Venting	Non Smoke Venting
Product Number	DX661454

Performance data has been derived from tests carried out in a Flakt Woods laboratory, in accordance with ISO 5801 and is specifically applicable for Ducted installations.

Acoustic data has been derived from tests carried out in a Flakt Woods laboratory, in accordance with BS 848 Pt 2, 1985 under Ducted conditions. The single figure provided is the overall inlet sound pressure level at the specified distance, under spherical, free field conditions.

Terms and Conditions: This offer is made subject to the terms and conditions detailed on the accompanying letter



	Sound Spectrum (Hz)								Overall	
	63	125	250	500	1k	2k	4k	8k	Lw*	LpA @ 3 m**
Inlet*	79	83	81	78	74	72	68	64	87	60
Outlet*	80	83	81	78	74	72	69	65	87	60

* Lw dB re 10^{-12} W ** dBA re 2×10^{-5} Pa

Description	Qty	Unit Price	Price
Fan			
63JM/20/4/6/24	1	enquire	enquire
Fan Accessories (Quantities per Fan)			
Thermostat	1	enquire	enquire
TOTAL PRICE FAN AND ACCESSORIES (leadtimes subject to parts availability)			enquire

Northern Fan Supplies
Longford Trading Estate Thomas Street Stretford Lancs M3
T 0161 864 1777 Fax 0161 864 2777
Website www.nfan.co.uk
Email nfs@nfan.co.uk
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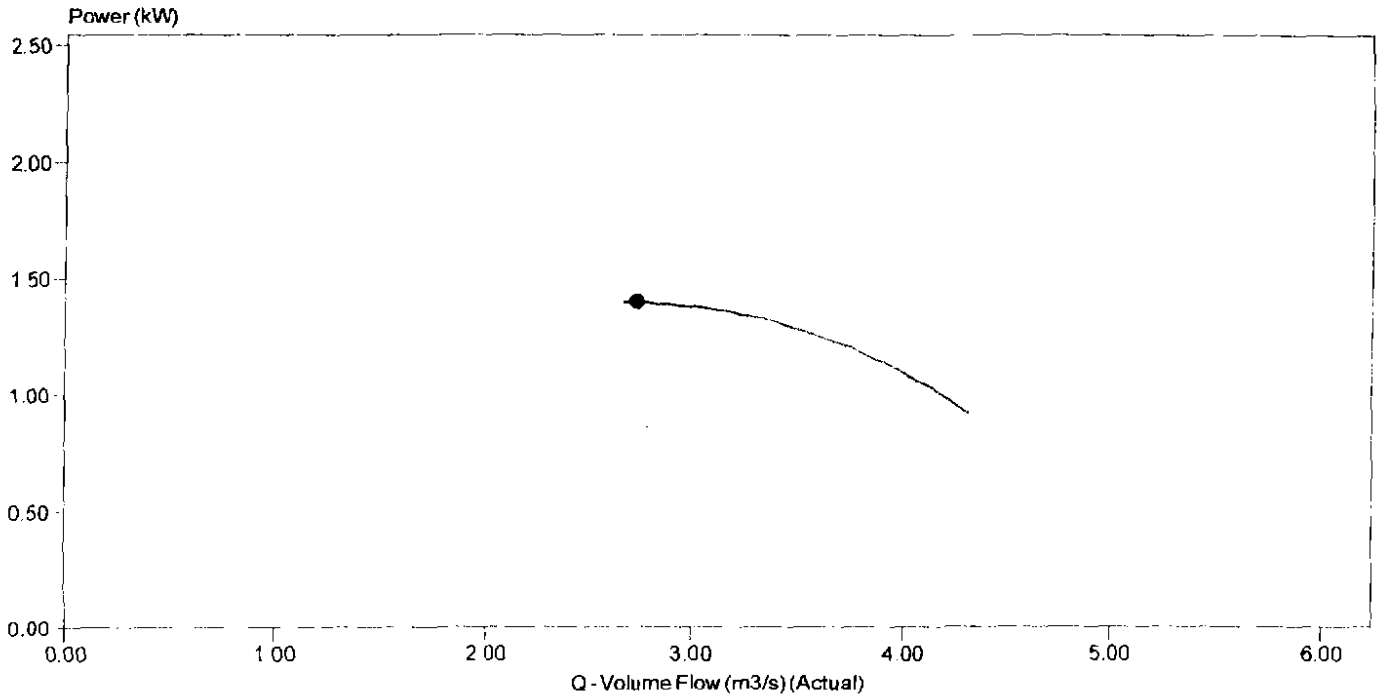
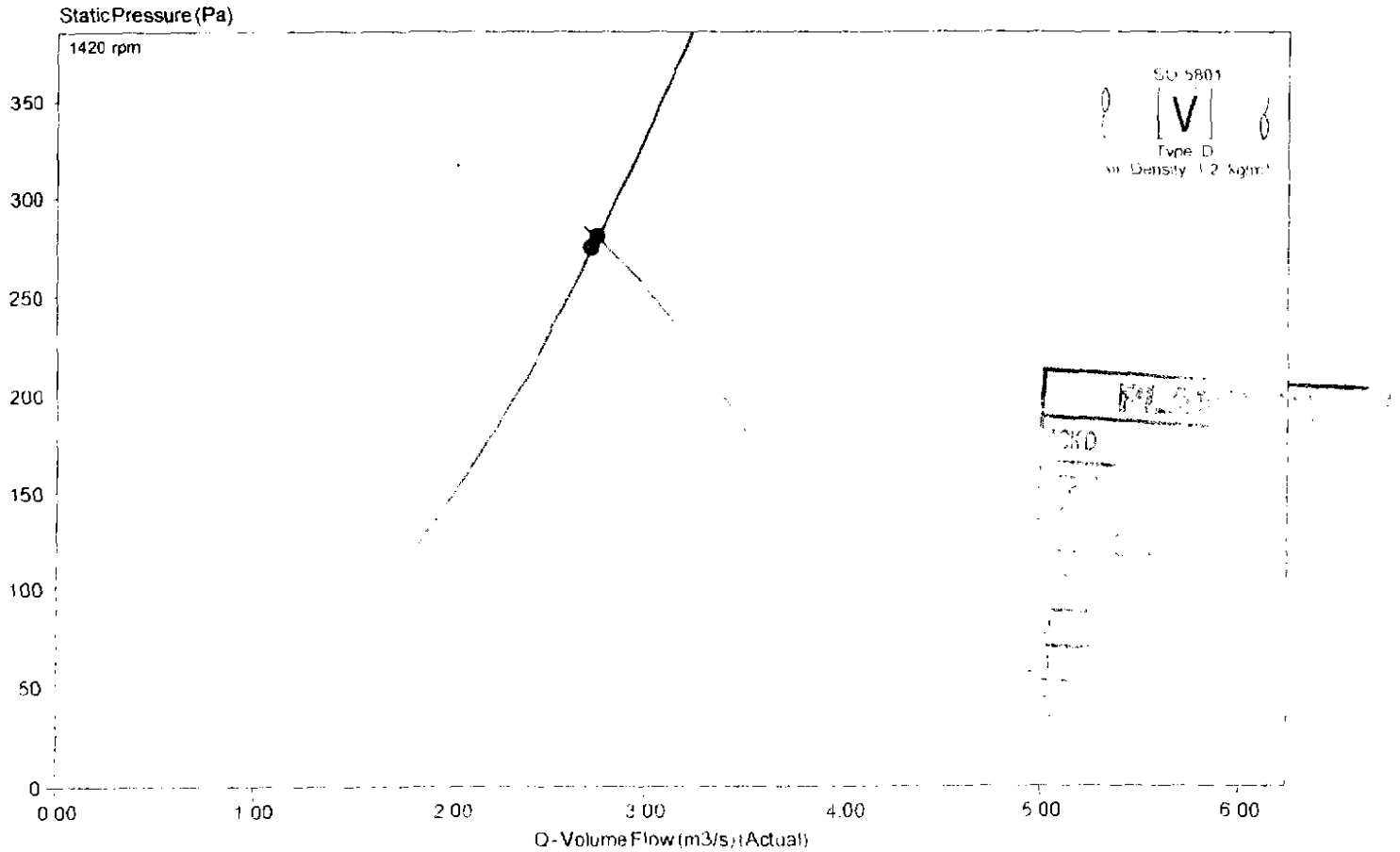
Performance Chart

JM Aerofoil

Project Name	: Fan Enquiry	Date:	: Wednesday, May 28, 2008
Quotation Number	:	Fan Code	: 63JM/20/4/6/24
Customer	: Howard and Seddon	Item Reference:	:





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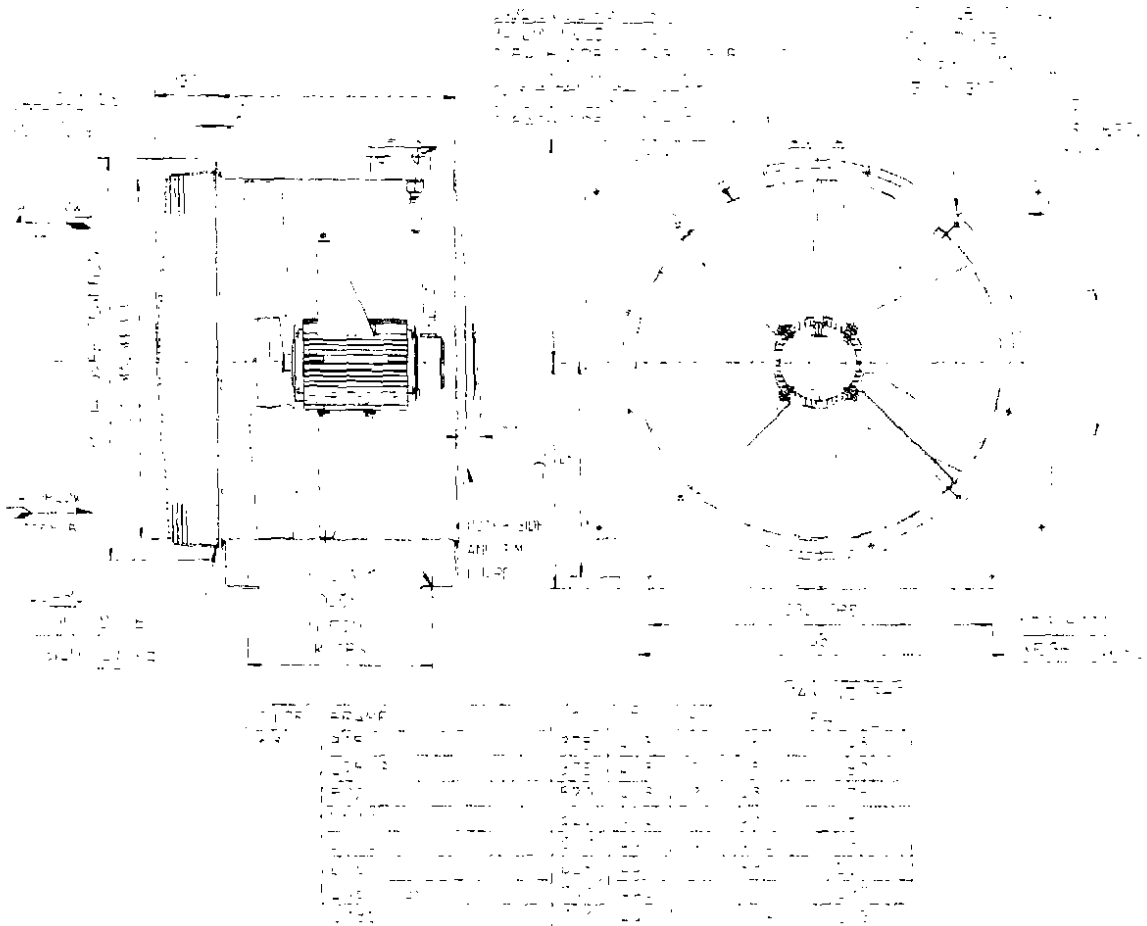
Drawing and Dimensions

JM Aerofoil

Date:	Wednesday, May 28, 2008	Project Name	Fan Enquiry
Fan Code	63JM/20/4/6/24	Quotation Number	
Item Reference:		Customer	Howard and Seddon



Notes : Dimensions shown in mm / Weight in kg

Reference D248976

This drawing shows dimensions that should be used as a guide only and are subject to change. Certified drawings are available on request.

Northern Fan Supplies
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