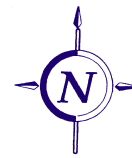


Northern Fan Supplies Ltd

Technical Data Sheet

JM Aerofoil



Project Name : Fan Info
Quotation Number :
Customer : Bond Fabs

Date: : Wednesday, May 20, 2009
Fan Code : 40JM/16/4/5/40
Item Reference: :

Fan Code 40JM/16/4/5/40
Fan Diameter / Size 400 mm
Blades 5
Fan Speed 1420 rpm
Velocity 7.4 m/s
Blade Angle 40°
Form of Running B
Fan Casing Long

Requested Duty 0.92m³/s @ 119 Pa (static)
Outlet Dynamic Pressure 32 Pa

Duty Shaft Power 0.264 kW
Max Shaft Power 0.271 kW
Total Efficiency 54 %

Motor Frame BT9
Motor Rating 0.320 kW
Full Load Current 2.2 A
Starting Current 5 A
Motor Mounting Pad
Electrical Supply 220-240 Volts 50 Hz 1 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 DX411452

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. Breakout levels stated are estimated from induct sound power levels and are provided for guidance.

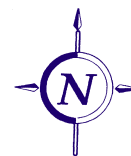
Terms and Conditions: This offer is made subject to the terms and conditions detailed on the accompanying letter.

	Sound Spectrum (Hz)								Overall	
	63	125	250	500	1k	2k	4k	8k	Lw*	LpA @ 3 m**
Inlet*	75	73	71	70	65	62	58	53	79	51
Outlet*	76	75	71	70	66	64	60	55	80	52
Breakout*	66	60	51	49	40	35	35	32	67	30
* Lw dB re 10 ⁻¹² W										** dBA re 2x10 ⁻⁵ Pa

Description	Qty	Unit Price	Price
Fan			
40JM/16/4/5/40	1	enquire	enquire
Fan Accessories (Quantities per Fan)			
Thermostat	1	enquire	enquire
TOTAL PRICE FAN AND ACCESSORIES (leadtimes subject to parts availability)			enquire

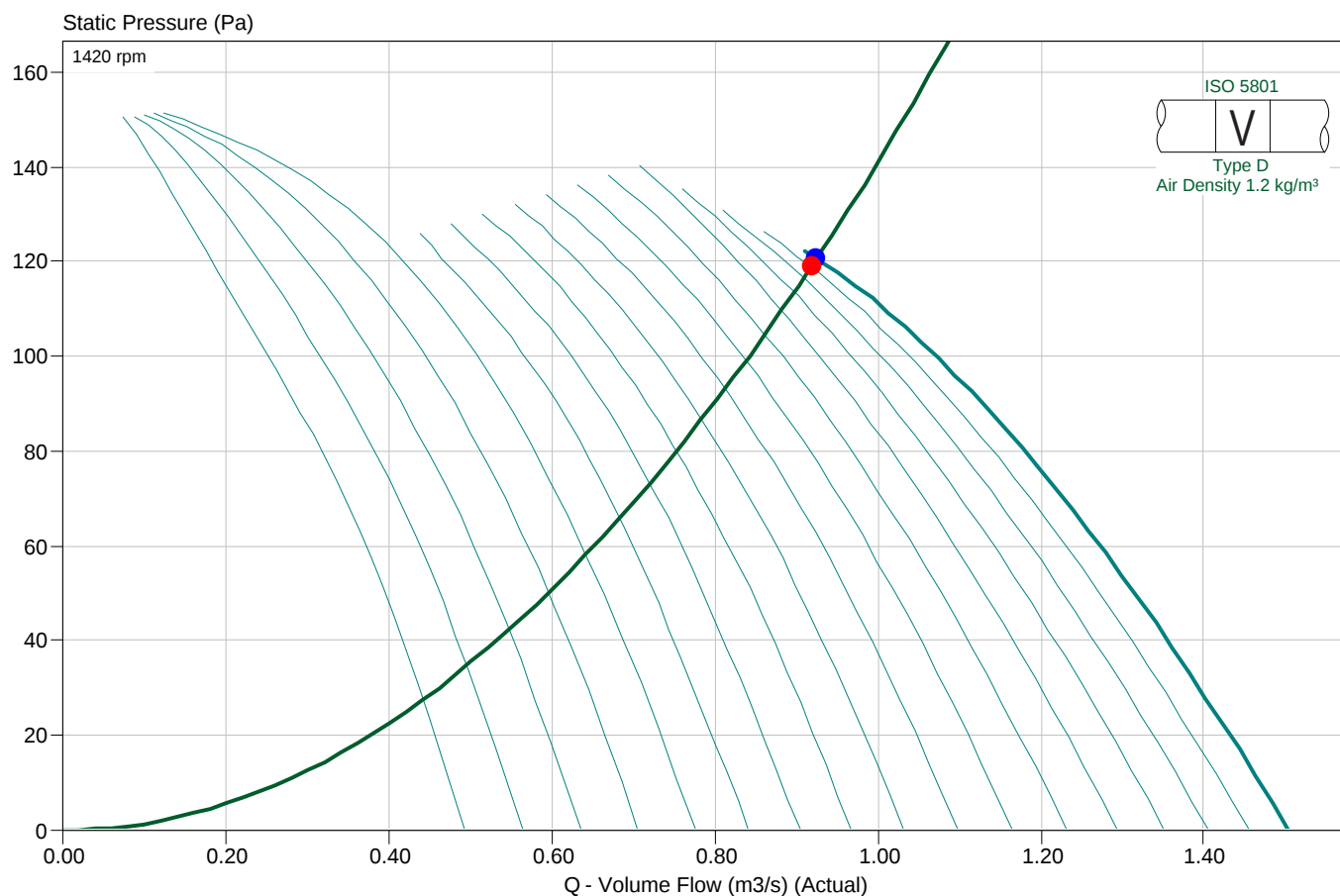
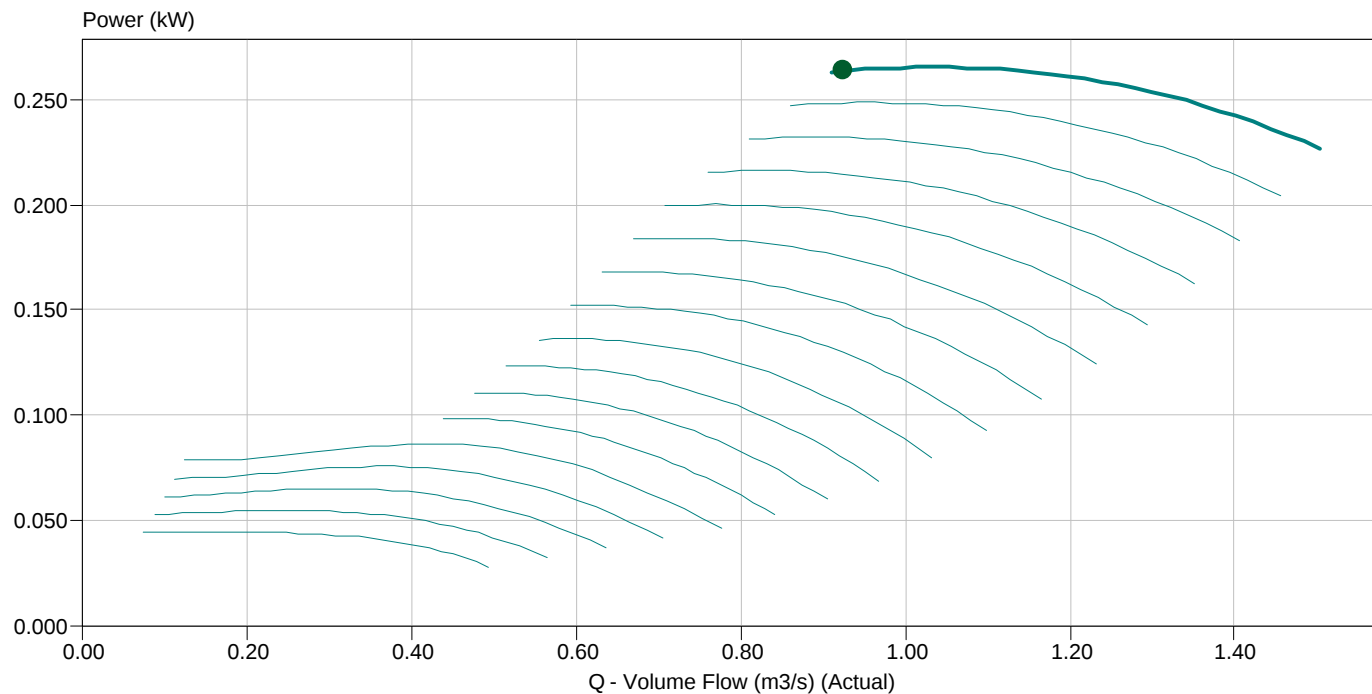
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Project Name : Fan Info
Quotation Number :
Customer : Bond Fabs

Date: : Wednesday, May 20, 2009
Fan Code : 40JM/16/4/5/40
Item Reference: :





Date: : Wednesday, May 20, 2009

Fan Code : 40JM/16/4/5/40

Item Reference: :

Project Name : Fan Info

Quotation Number :

Customer : Bond Fabs

1 HOLE 20 DIA (END OF BOX)
TO SUIT CM16 OR PG11 GLAND
FOR AUXILIARY CABLES.

23 DIA HOLES FOR CONDUIT,
2 EACH SIDE SUITABLE FOR CM20 OR PG16

MOTOR SIDE
AND B/MTH
GUARD.

FOOT POSITION
FOR VERT.
MOUNTING

10 DIA HOLES
IN FOOT

8 No. OF HOLES 12 DIA
EQUISPACED ON 450 PCD
(EACH END).

SIGHT PORT

AIRFLOW
FORM A

AIRFLOW
FORM B

GUARD
(IMP SIDE)
WEIGHT 1.6 kg

				WEIGHT kg
SIZE	FRAME	C	K	FAN
400	BT4/5/9	375	289	26
	CT5/9	375	289	30

Notes : Dimensions shown in mm / Weight in kg

Reference: D248972

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

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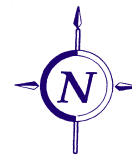
Page 3 of 15

Selection Engine: 2.4.3.11

Northern Fan Supplies Ltd

Technical Data Sheet

JM Aerofoil



Project Name : Fan Info
Quotation Number :
Customer : Bond Fabs

Date: : Wednesday, May 20, 2009
Fan Code : 45JM/16/4/5/40
Item Reference: :

Fan Code 45JM/16/4/5/40
Fan Diameter / Size 450 mm
Blades 5
Fan Speed 1420 rpm
Velocity 9.0 m/s
Blade Angle 40°
Form of Running B
Fan Casing Long

Requested Duty 1.42m³/s @ 133 Pa (static)
Outlet Dynamic Pressure 49 Pa

Duty Shaft Power 0.469 kW
Max Shaft Power 0.480 kW
Total Efficiency 56 %

Motor Frame CT5
Motor Rating 0.390 kW
Full Load Current 2.9 A
Starting Current 5.6 A
Motor Mounting Pad
Electrical Supply 220-240 Volts 50 Hz 1 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 DX461466

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. Breakout levels stated are estimated from induct sound power levels and are provided for guidance.

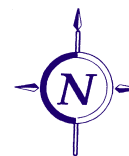
Terms and Conditions: This offer is made subject to the terms and conditions detailed on the accompanying letter.

	Sound Spectrum (Hz)								Overall	
	63	125	250	500	1k	2k	4k	8k	Lw*	LpA @ 3 m**
Inlet*	80	79	75	73	69	68	64	60	84	55
Outlet*	81	79	75	73	69	68	65	61	84	55
Breakout*	71	61	53	50	44	40	43	37	72	33
* Lw dB re 10 ⁻¹² W ** dBA re 2x10 ⁻⁵ Pa										

Description	Qty	Unit Price	Price
Fan			
45JM/16/4/5/40	1	enquire	enquire
Fan Accessories (Quantities per Fan)			
Thermostat	1	enquire	enquire
TOTAL PRICE FAN AND ACCESSORIES (leadtimes subject to parts availability)			enquire

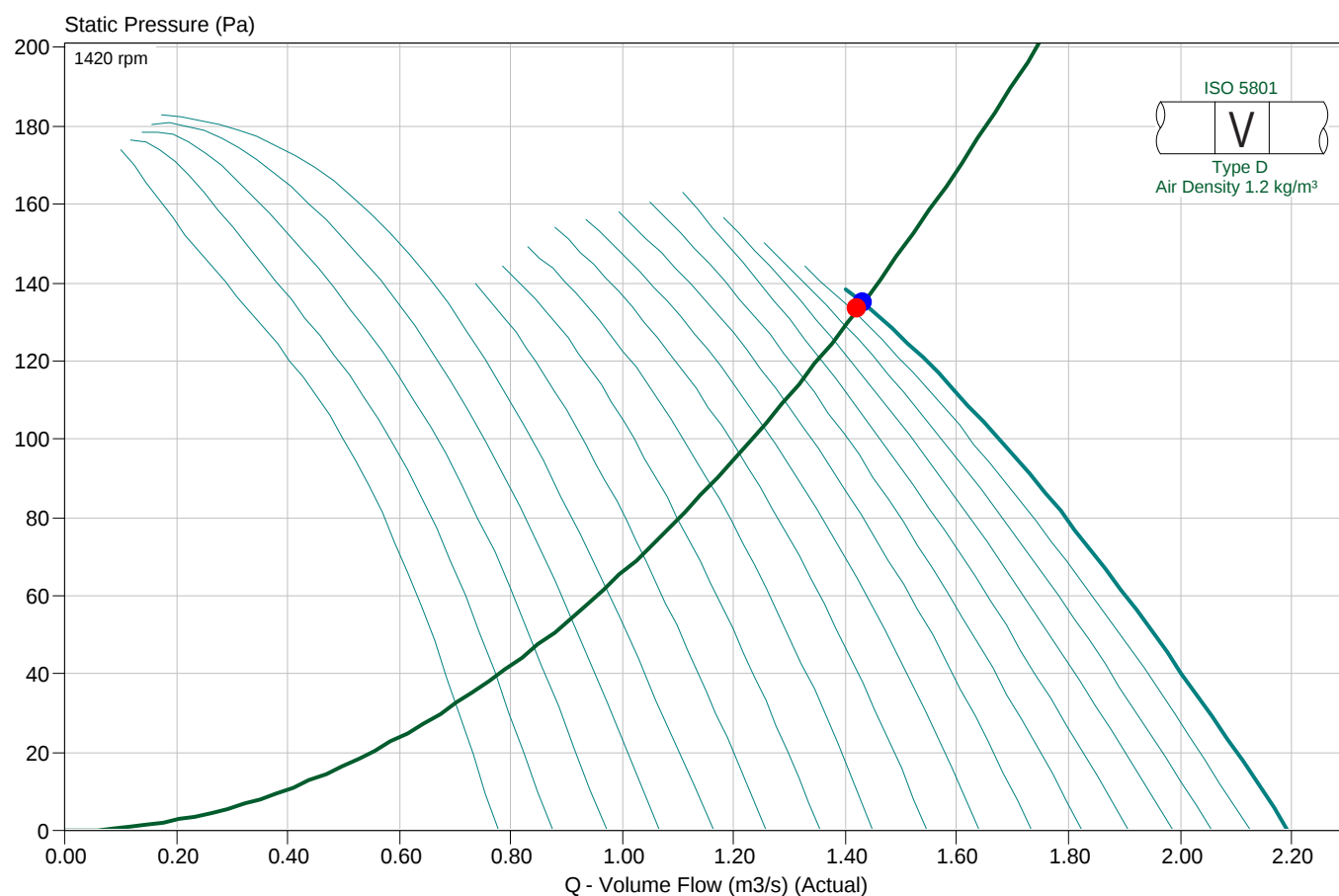
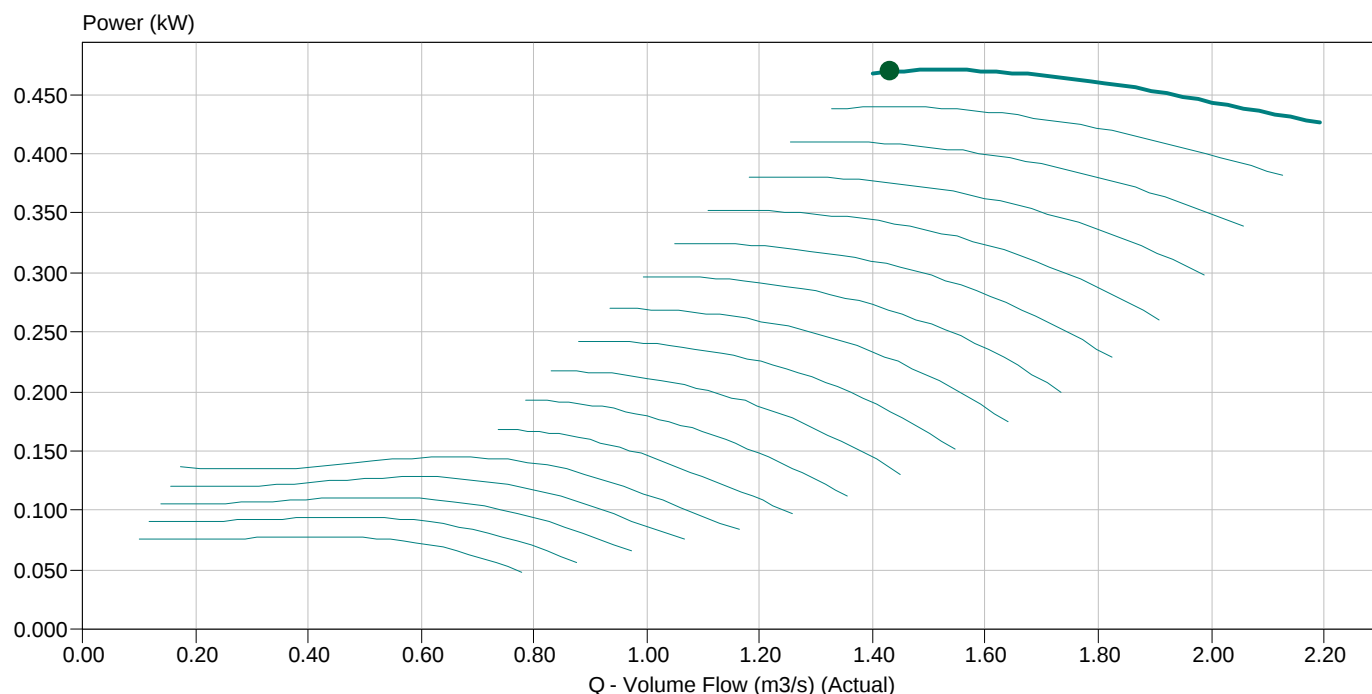
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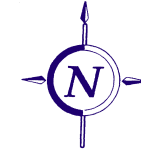


Project Name : Fan Info
Quotation Number :
Customer : Bond Fabs

Date: : Wednesday, May 20, 2009
Fan Code : 45JM/16/4/5/40
Item Reference: :

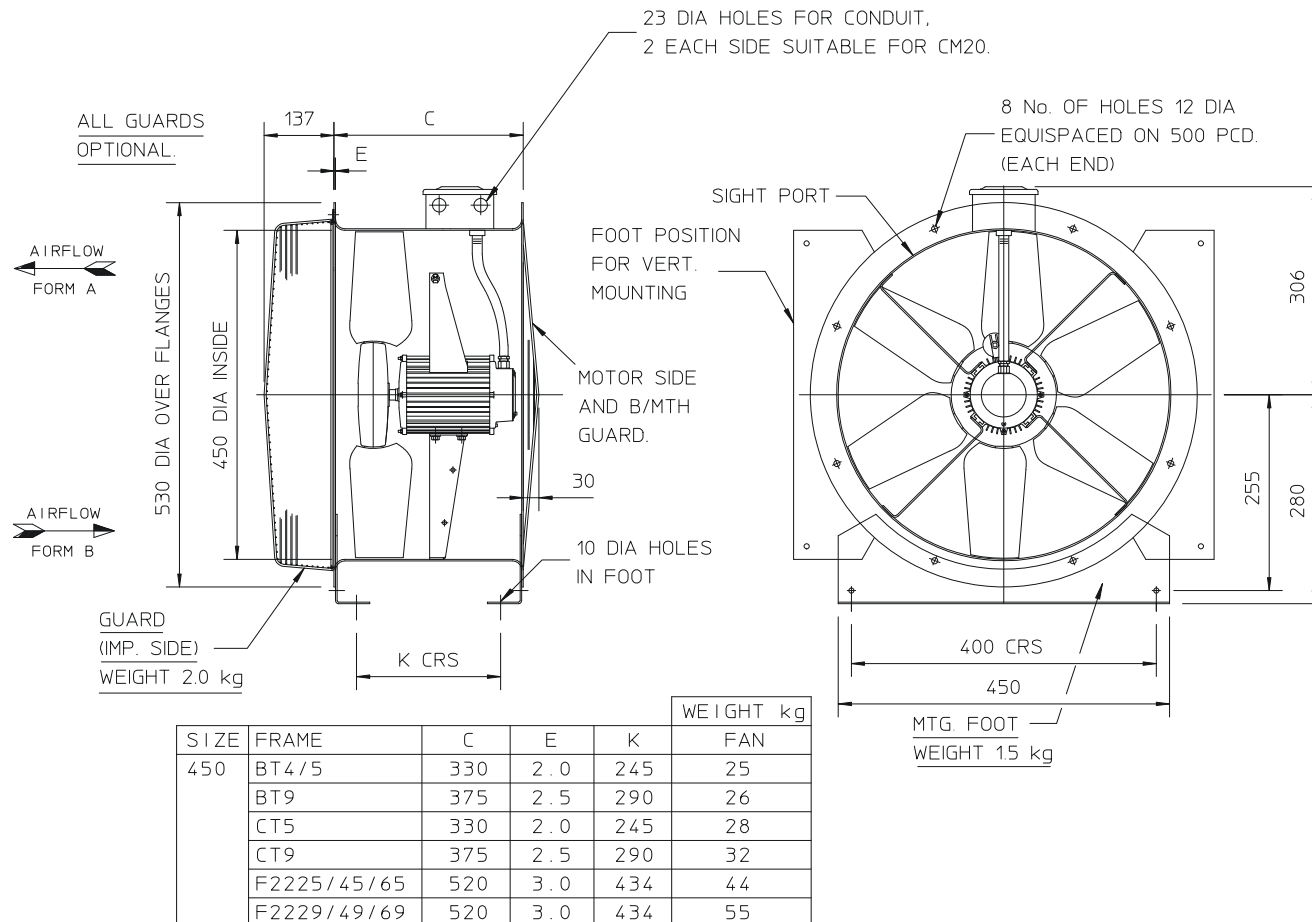


Northern Fan Supplies Ltd
Drawing and Dimensions
JM Aerofoil



Date: : Wednesday, May 20, 2009
 Fan Code : 45JM/16/4/5/40
 Item Reference: :

Project Name : Fan Info
 Quotation Number :
 Customer : Bond Fabs



Notes : Dimensions shown in mm / Weight in kg

Reference: D269015

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

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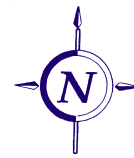
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Northern Fan Supplies Ltd

Technical Data Sheet

JM Aerofoil



Project Name : Fan Info
Quotation Number :
Customer : Bond Fabs

Date: : Wednesday, May 20, 2009
Fan Code : 50JM/20/4/6/32
Item Reference: :

Fan Code 50JM/20/4/6/32
Fan Diameter / Size 500 mm
Blades 6
Fan Speed 1420 rpm
Velocity 8.4 m/s
Blade Angle 32°
Form of Running B
Fan Casing Long

Requested Duty 1.64m³/s @ 195 Pa (static)
Outlet Dynamic Pressure 42 Pa

Duty Shaft Power 0.614 kW
Max Shaft Power 0.626 kW
Total Efficiency 64 %

Motor Frame CT5
Motor Rating 0.520 kW
Full Load Current 3.9 A
Starting Current 7.8 A
Motor Mounting Pad
Electrical Supply 220-240 Volts 50 Hz 1 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 DX511466

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. Breakout levels stated are estimated from induct sound power levels and are provided for guidance.

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*	76	78	76	74	72	69	65	61	83	56
Outlet*	78	79	76	74	73	70	67	62	84	57
Breakout*	68	61	54	51	48	42	45	38	69	34
* Lw dB re 10 ⁻¹² W ** dBA re 2x10 ⁻⁵ Pa										

Description	Qty	Unit Price	Price
Fan			
50JM/20/4/6/32	1	enquire	enquire
Fan Accessories (Quantities per Fan)			
Thermostat	1	enquire	enquire
TOTAL PRICE FAN AND ACCESSORIES (leadtimes subject to parts availability)			enquire

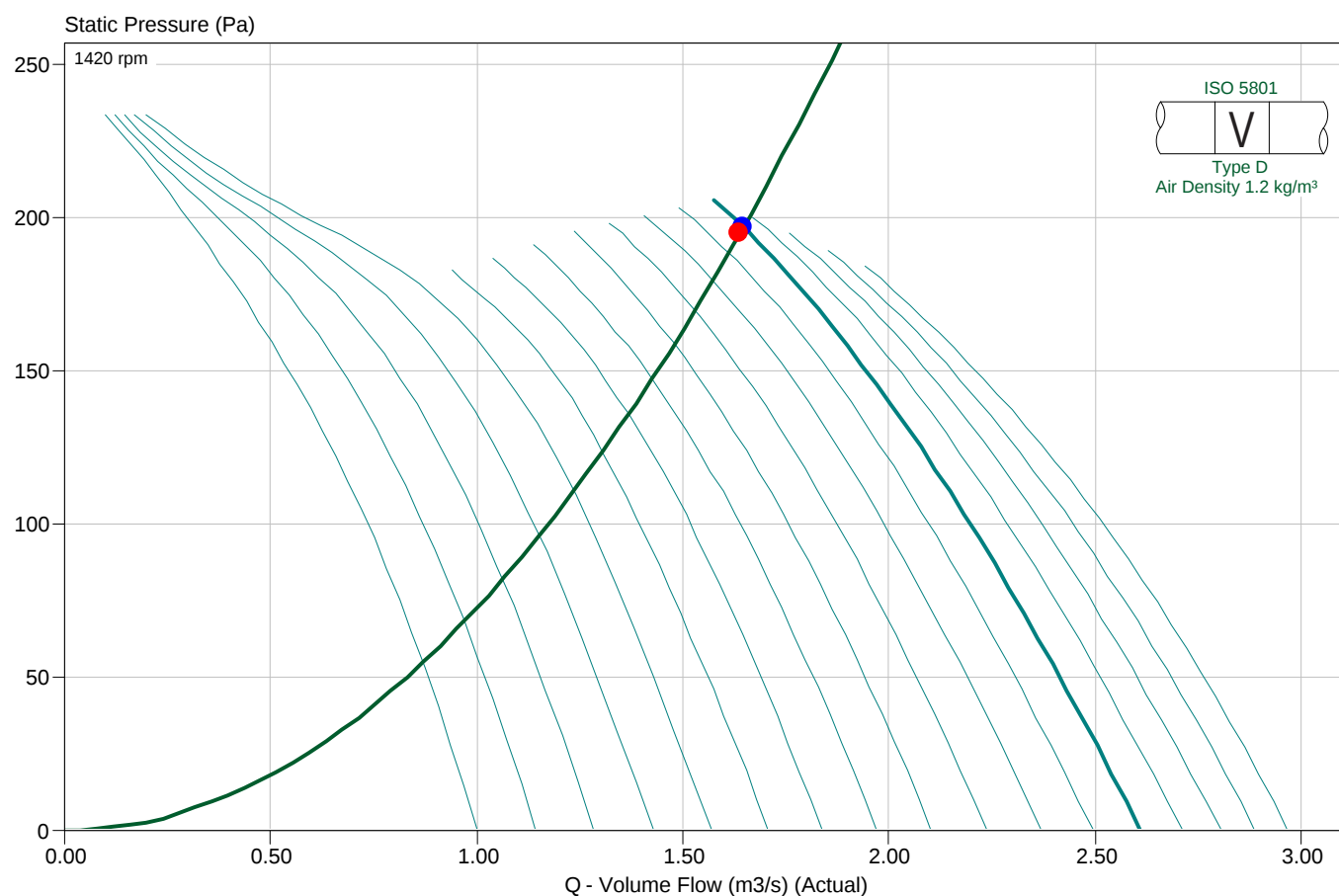
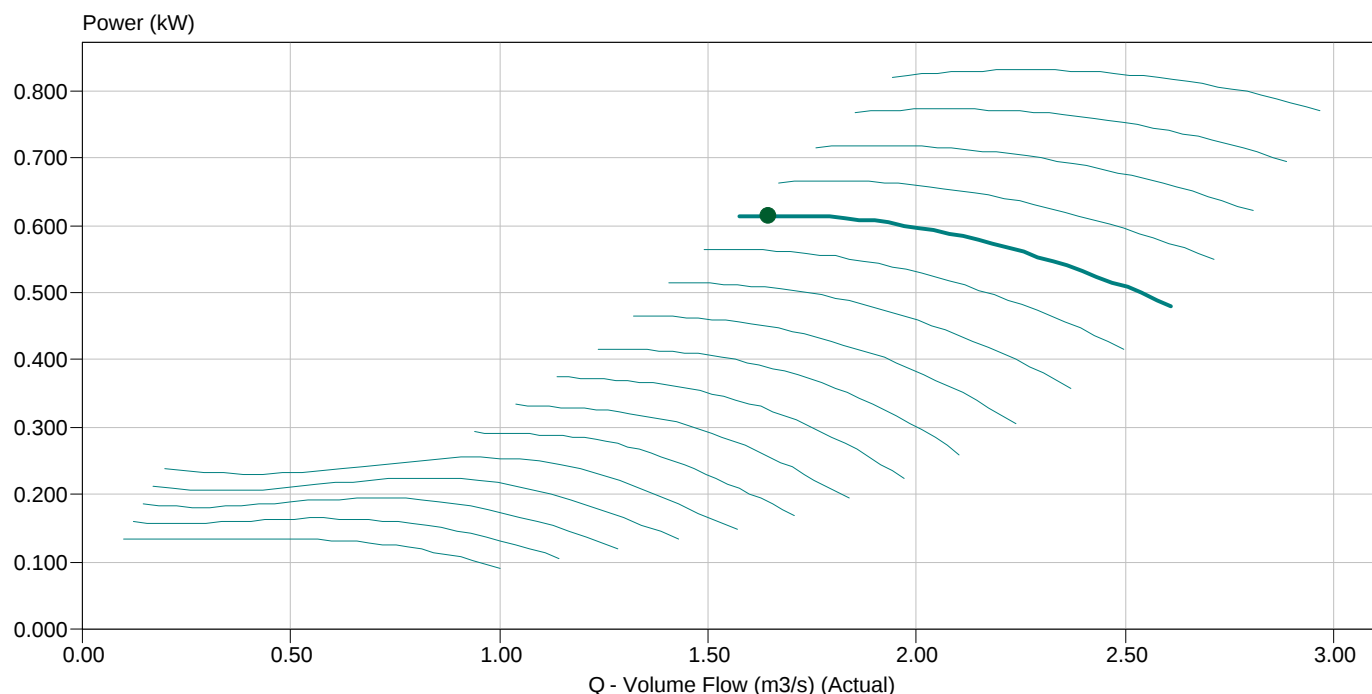
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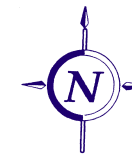


Project Name : Fan Info
Quotation Number :
Customer : Bond Fabs

Date: : Wednesday, May 20, 2009
Fan Code : 50JM/20/4/6/32
Item Reference: :

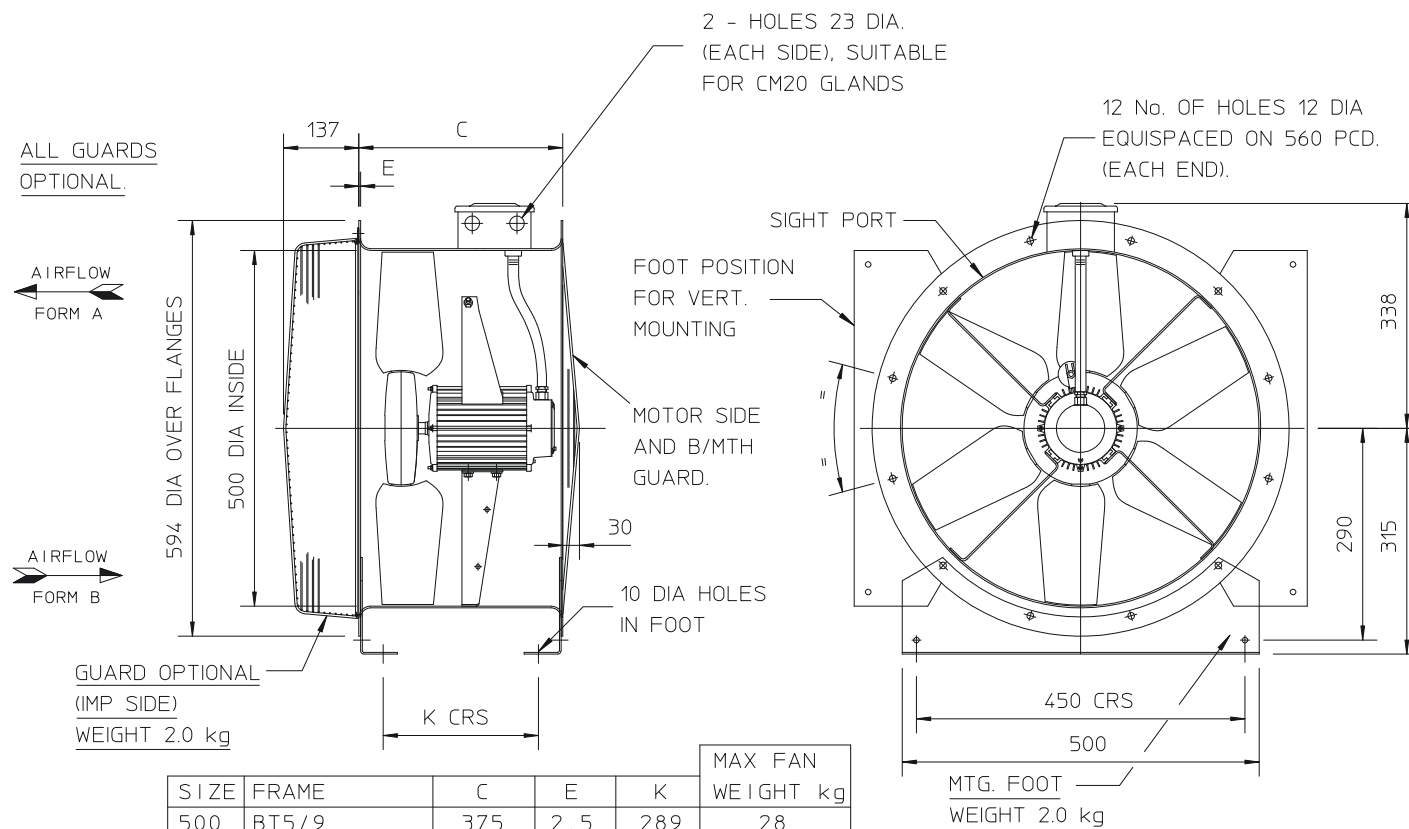


Northern Fan Supplies Ltd
Drawing and Dimensions
JM Aerofoil



Date: : Wednesday, May 20, 2009
 Fan Code : 50JM/20/4/6/32
 Item Reference: :

Project Name : Fan Info
 Quotation Number :
 Customer : Bond Fabs



Notes : Dimensions shown in mm / Weight in kg

Reference : D248974

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

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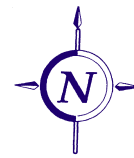
Page 9 of 15

Selection Engine: 2.4.3.11

Northern Fan Supplies Ltd

Technical Data Sheet

JM Aerofoil



Project Name : Fan Info
Quotation Number :
Customer : Bond Fabs

Date: : Wednesday, May 20, 2009
Fan Code : 56JM/16/4/5/32
Item Reference: :

Fan Code 56JM/16/4/5/32
Fan Diameter / Size 560 mm
Blades 5
Fan Speed 1420 rpm
Velocity 9.6 m/s
Blade Angle 32°
Form of Running B
Fan Casing Long

Requested Duty 2.37m³/s @ 199 Pa (static)
Outlet Dynamic Pressure 56 Pa

Duty Shaft Power 0.953 kW
Max Shaft Power 0.974 kW
Total Efficiency 64 %

Motor Frame CT9
Motor Rating 0.970 kW
Full Load Current 6.7 A
Starting Current 13.5 A
Motor Mounting Pad
Electrical Supply 220-240 Volts 50 Hz 1 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 DX571456

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. Breakout levels stated are estimated from induct sound power levels and are provided for guidance.

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*	78	81	76	77	74	72	69	65	85	59
Outlet*	79	81	76	77	74	72	69	66	85	59
Breakout*	69	60	50	52	49	45	50	42	70	35
* Lw dB re 10 ⁻¹² W ** dBA re 2x10 ⁻⁵ Pa										

Description	Qty	Unit Price	Price
Fan			
56JM/16/4/5/32	1	enquire	enquire
Fan Accessories (Quantities per Fan)			
Thermostat	1	enquire	enquire
TOTAL PRICE FAN AND ACCESSORIES (leadtimes subject to parts availability)			enquire

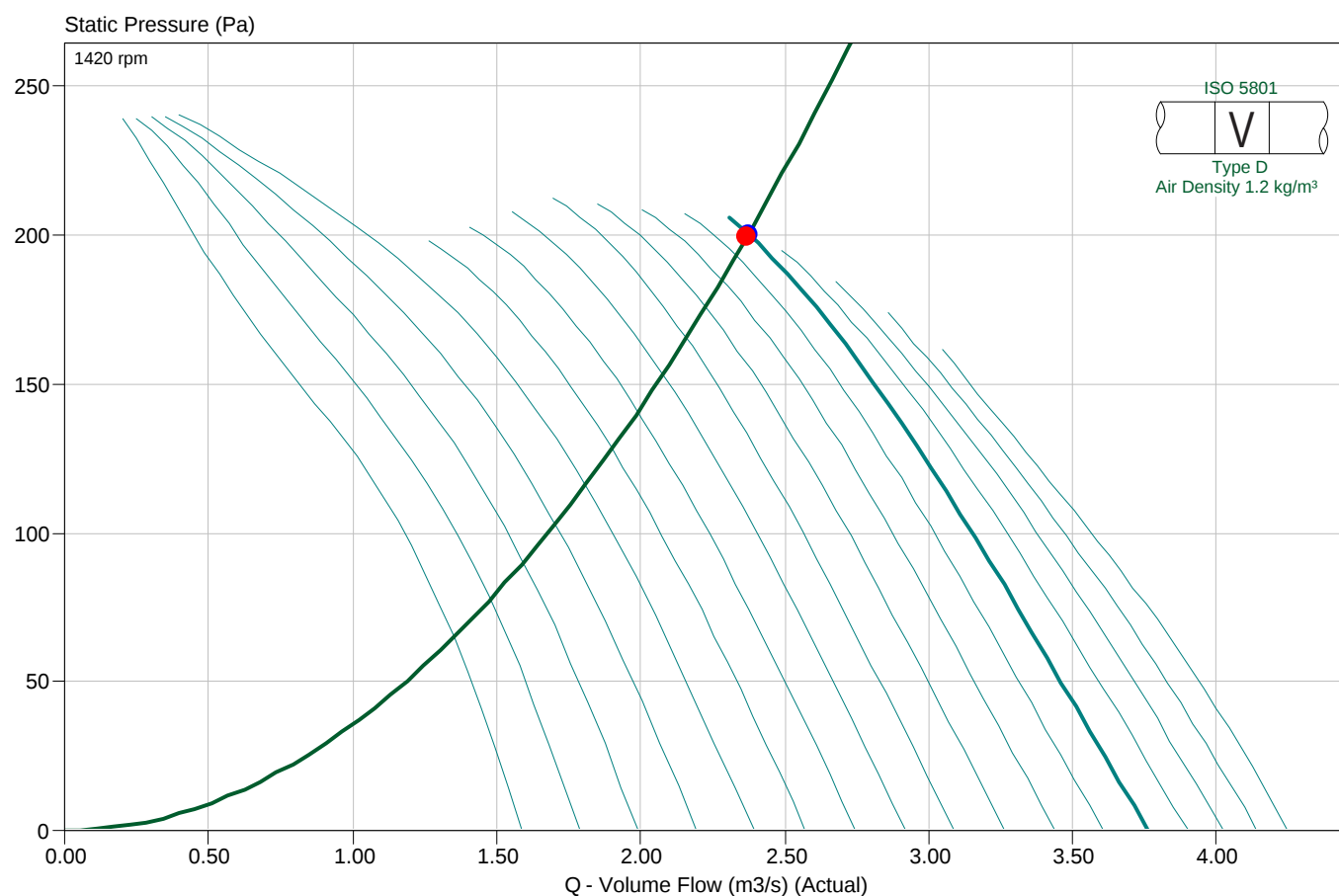
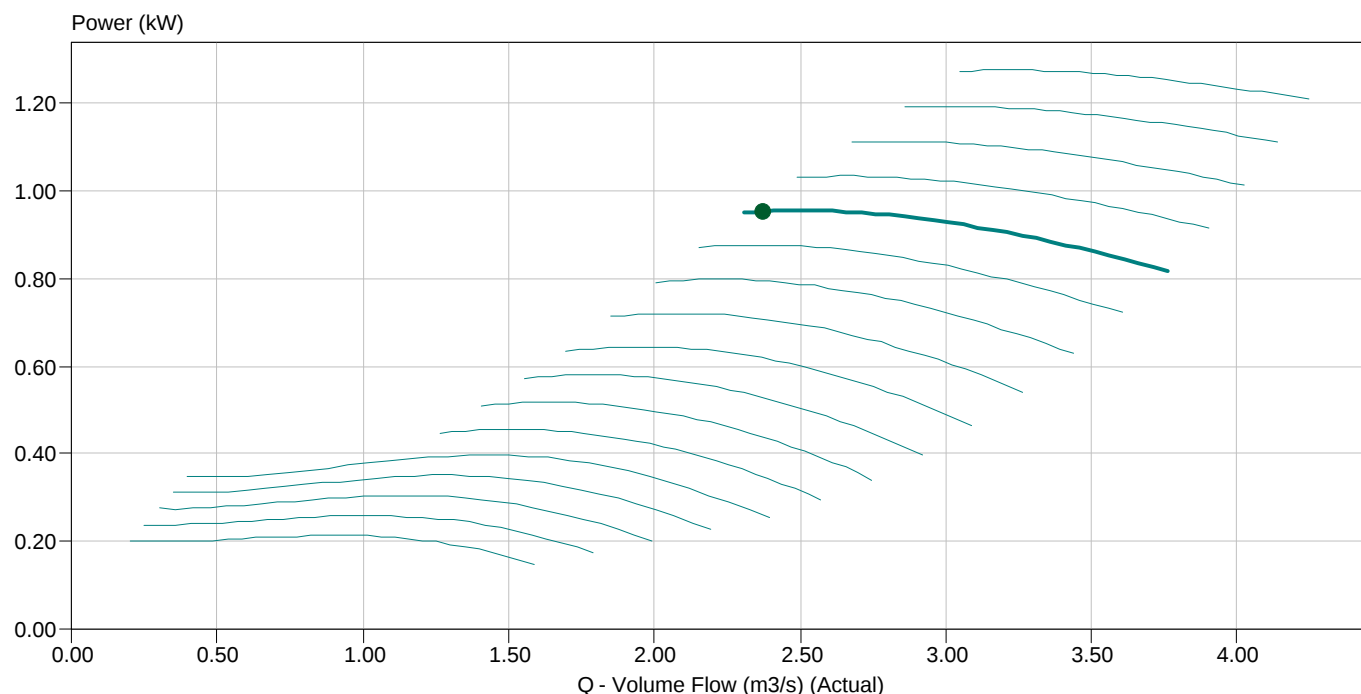
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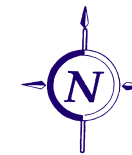


Project Name : Fan Info
Quotation Number :
Customer : Bond Fabs

Date: : Wednesday, May 20, 2009
Fan Code : 56JM/16/4/5/32
Item Reference: :

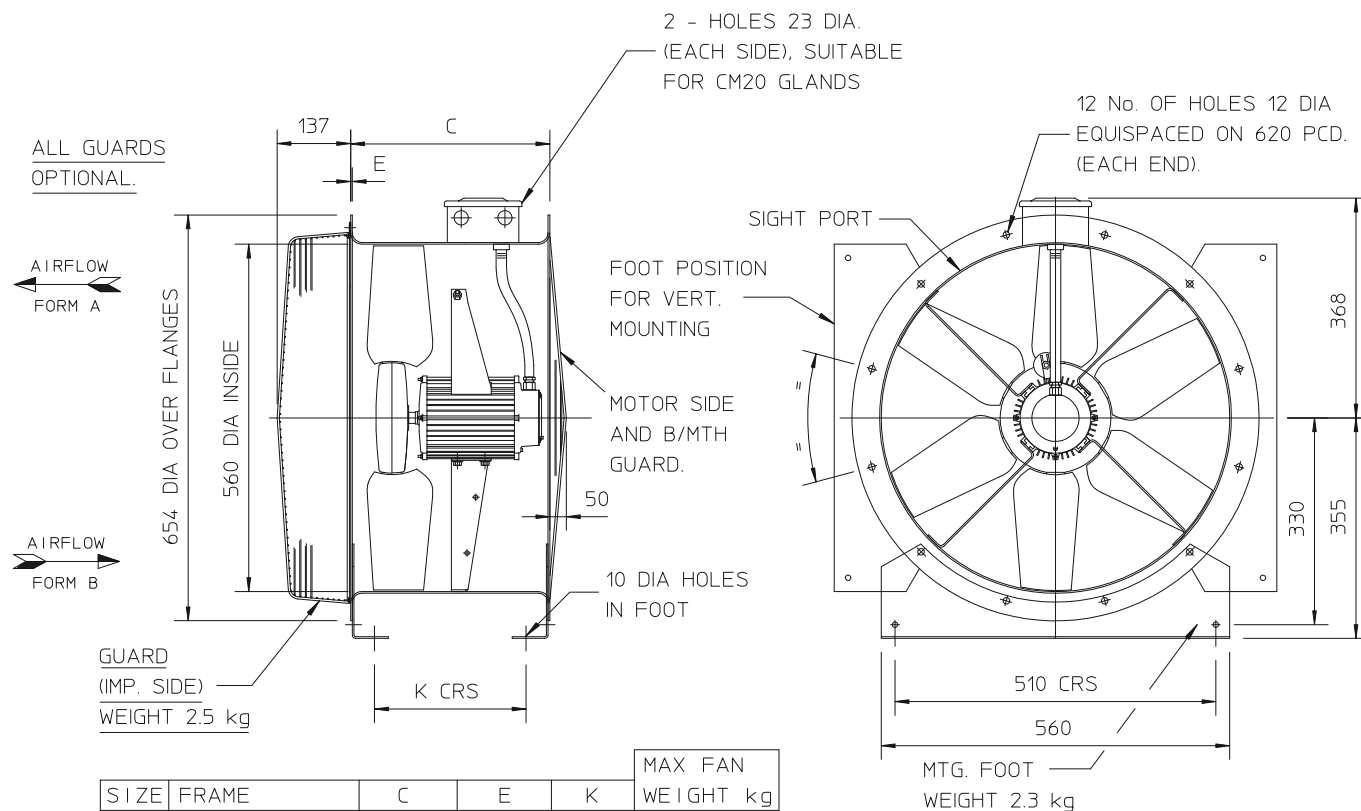


Northern Fan Supplies Ltd
Drawing and Dimensions
JM Aerofoil



Date: : Wednesday, May 20, 2009
 Fan Code : 56JM/16/4/5/32
 Item Reference: :

Project Name : Fan Info
 Quotation Number :
 Customer : Bond Fabs



SIZE	FRAME	C	E	K	MAX FAN WEIGHT kg
560	BT5/9	375	2.5	280	34
	CT5/9	375	2.5	280	38
	F22	520	3.0	424	62
	PM112	520	3.0	424	69

Notes : Dimensions shown in mm / Weight in kg

Reference : D248975

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

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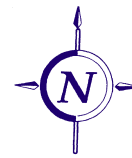
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Northern Fan Supplies Ltd

Technical Data Sheet

JM Aerofoil



Project Name : Fan Info
Quotation Number :
Customer : Bond Fabs

Date: : Wednesday, May 20, 2009
Fan Code : 63JM/20/4/6/16
Item Reference: :

Fan Code 63JM/20/4/6/16
Fan Diameter / Size 630 mm
Blades 6
Fan Speed 1420 rpm
Velocity 6.0 m/s
Blade Angle 16°
Form of Running B
Fan Casing Long

Requested Duty 1.87m³/s @ 253 Pa (static)
Outlet Dynamic Pressure 22 Pa

Duty Shaft Power 0.840 kW
Max Shaft Power 0.922 kW
Total Efficiency 62 %

Motor Frame CT9
Motor Rating 0.970 kW
Full Load Current 6.7 A
Starting Current 13.5 A
Motor Mounting Pad
Electrical Supply 220-240 Volts 50 Hz 1 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 DX641453

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. Breakout levels stated are estimated from induct sound power levels and are provided for guidance.

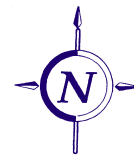
Terms and Conditions: This offer is made subject to the terms and conditions detailed on the accompanying letter.

	Sound Spectrum (Hz)								Overall	
	63	125	250	500	1k	2k	4k	8k	Lw*	LpA @ 3 m**
Inlet*	76	82	84	85	81	79	71	65	90	66
Outlet*	77	82	84	85	81	79	72	66	90	66
Breakout*	67	61	58	60	56	52	53	42	69	41
* Lw dB re 10 ⁻¹² W										** dBA re 2x10 ⁻⁵ Pa

Description	Qty	Unit Price	Price
Fan			
63JM/20/4/6/16	1	enquire	enquire
Fan Accessories (Quantities per Fan)			
Thermostat	1	enquire	enquire
TOTAL PRICE FAN AND ACCESSORIES (leadtimes subject to parts availability)			enquire

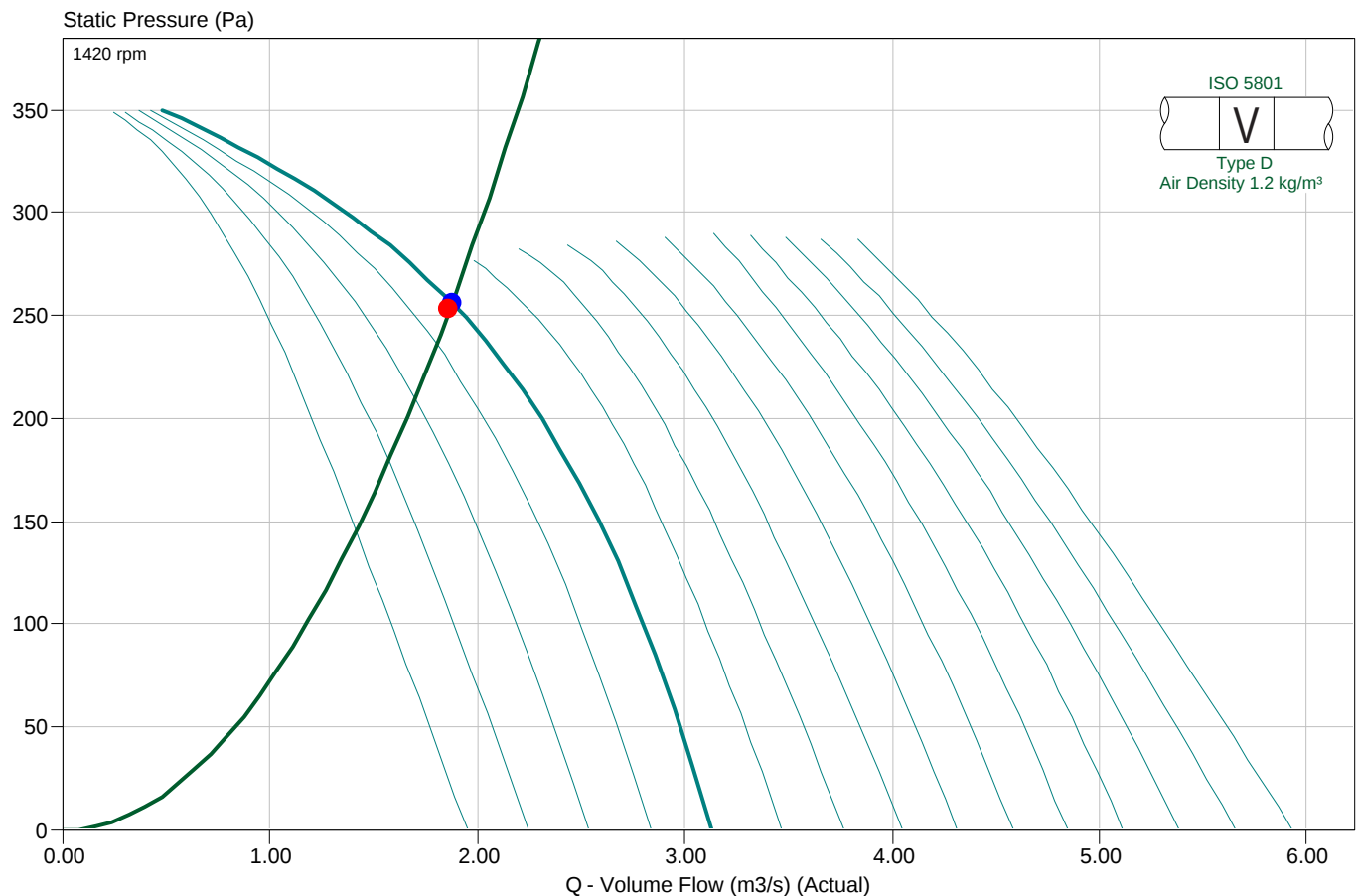
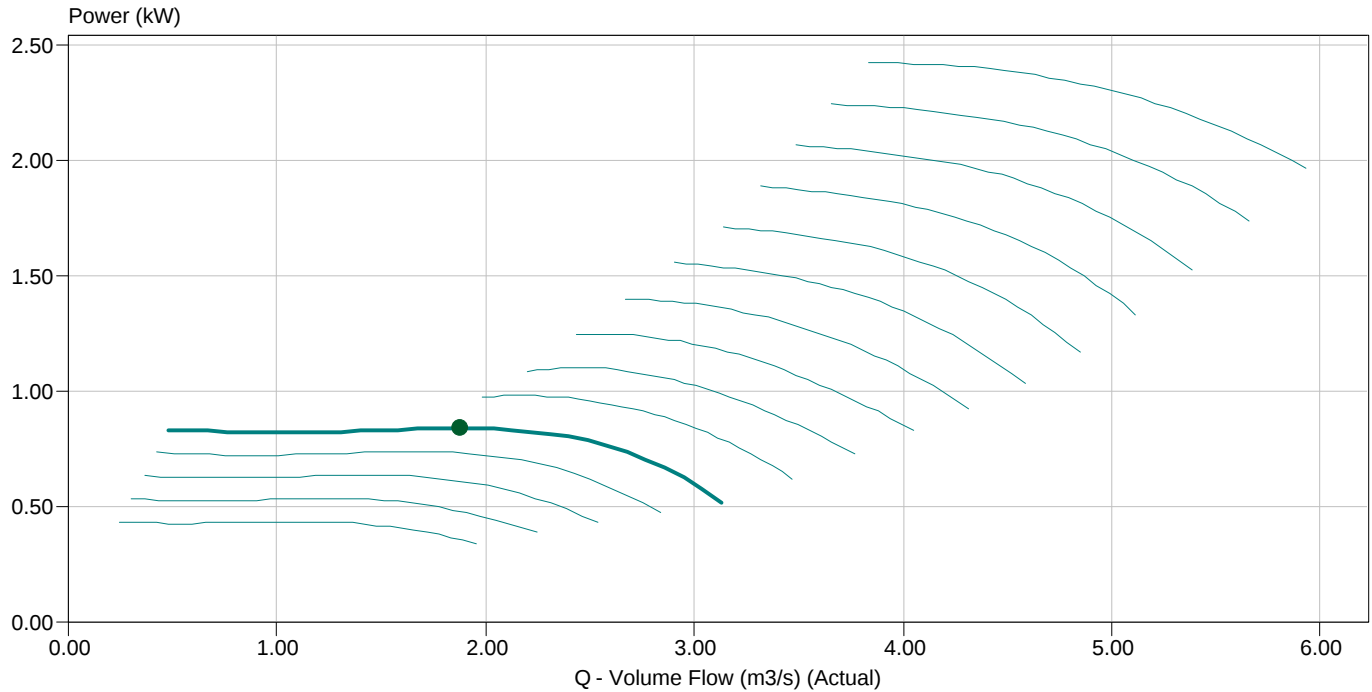
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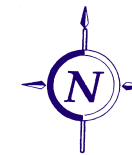
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Project Name : Fan Info
Quotation Number :
Customer : Bond Fabs

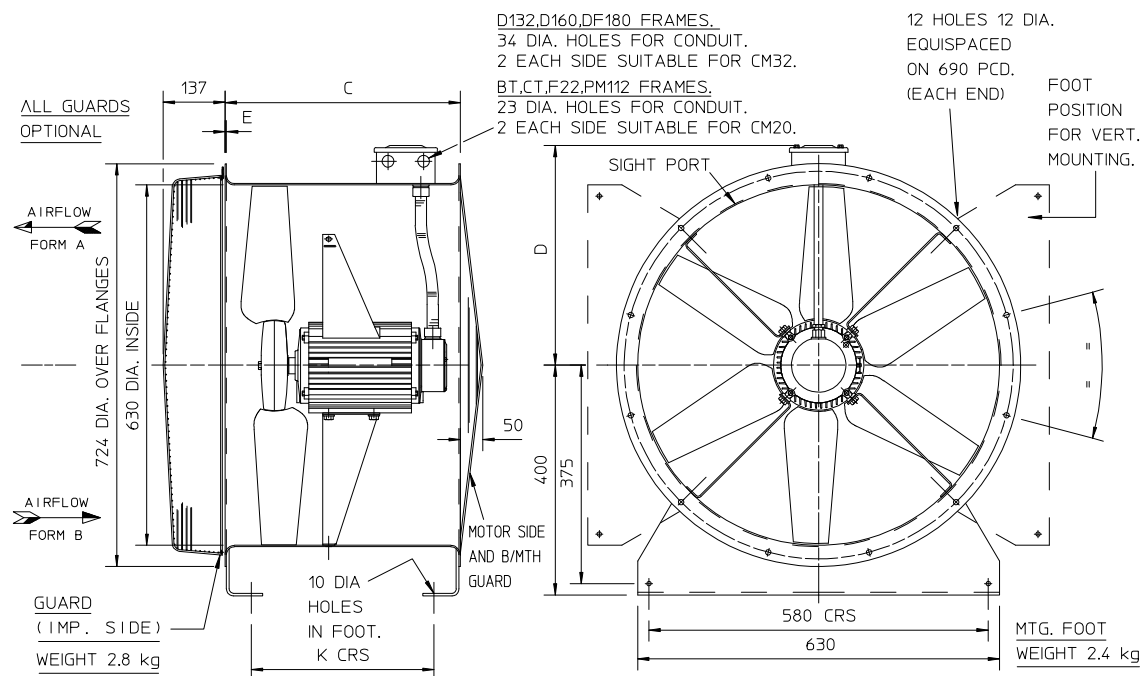
Date: : Wednesday, May 20, 2009
Fan Code : 63JM/20/4/6/16
Item Reference: :





Date: : Wednesday, May 20, 2009
 Fan Code : 63JM/20/4/6/16
 Item Reference: :

Project Name : Fan Info
 Quotation Number :
 Customer : Bond Fabs



SIZE	FRAME	C	D	E	K	MAX WEIGHT FAN kg
630	BT5/9	375	403	3	289	48
	CT5/9	375	403	3	289	52
	F22	520	403	3	434	76
	PM112	520	403	3	434	83
	D132	520	440	4	432	156
	D160	625	440	4	537	206
	D160-TECO	711	440	6	619	232
	D180	711	440	6	619	293

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.

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