

Quotation Number	:	Project Code	:	BD-13414-1
Project Name	:	Customer	:	Mainland Catering
Item Reference:	:	Date:	:	Wednesday, August 21, 2024

Fan Code	50 Maxfan Compac
Fan Diameter / Size	500 Size / mm
Fan Speed	2910 rpm
Velocity	14.4 m/s
Blade Angle	16°
Installation Type / Form of Running	D / AB (Vertical)
Fan Casing	Long
Requested Duty	2.79m³/s @ 273 Pa (static)
Outlet Dynamic Pressure	124 Pa

Duty Shaft Power	1.71 kW
Max Shaft Power	2.35 kW
Total Efficiency	67.0 %

Motor Frame	90L [Class F]
Motor Rating	2.64 kW [IE2]
Full Load Current	9.36 A
Starting Current	52.8 A
Motor Mounting	Pad
Electrical Supply	220-240 Volts 50 Hz 1 Phase
Start Type	DOL
Motor Winding	Standard
Enclosure	Standard All

ErP [FMEG] Rating	N 64 (ErP Compliant 2015)
ErP [FMEG] Target	N 64
FMEG Blade Angle [Range]	0° [0° - 0°]
Measurement Category	D (Total)
VSD	N
Fan + Motor Efficiency	60.5% (2.44 m³/s @ 604 Pa)
Motor Input Power (ErP)	2.44 kW

SFP value	0.73 W/(l/s) @ Requested Duty
Power from mains	2.05 kW
Energy Consumption	6165 kWh (3000 h/year)
Running Cost / Year	£740

Air Density	1.2 kg/m ³ / 20 °C / 0 m / 50% RH
Smoke Venting	Non Smoke Venting
Product Number	EJ513266

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. When an electronic controller is incorporated, enhanced motor noise can occur - particularly when the operating speed is well below maximum. FWL therefore recommend using an auto transformer speed controller for noise sensitive applications. Bifurcateds are Erp exempt when used continuously at >100C. They are not for use in the EEA at lower temperatures.

The MaXfan Compac includes a preprogrammed inverter drive to operate via 1 phase supply, offering full speed control and optimised performance.

Acoustic data has been derived from tests carried out in a Flakt Woods laboratory, in accordance with BS 848 Pt 2, 1985 / BS EN ISO 5136 under Ducted conditions. The single figure provided is the overall Inlet sound pressure level at the specified distance, under spherical, free field conditions.

Acoustic figures for adjusted running speeds have been interpolated and are for reference only.

This Offer is made subject to the latest version of our A100-19 Terms and Conditions, a copy of which can be made available on request. Our lead times will be re-confirmed on receipt of manufacturing release and may be subject to change.

	Sound Spectrum (Hz)								Overall	
	63	125	250	500	1k	2k	4k	8k	Lw*	LpA @ 3 m**
Inlet*	83	79	87	88	86	85	81	78	93	70
Outlet*	85	79	90	89	86	86	81	79	95	71
Breakout*	75	61	68	66	61	58	59	55	76	47

* Lw dB re 10^{-12} W

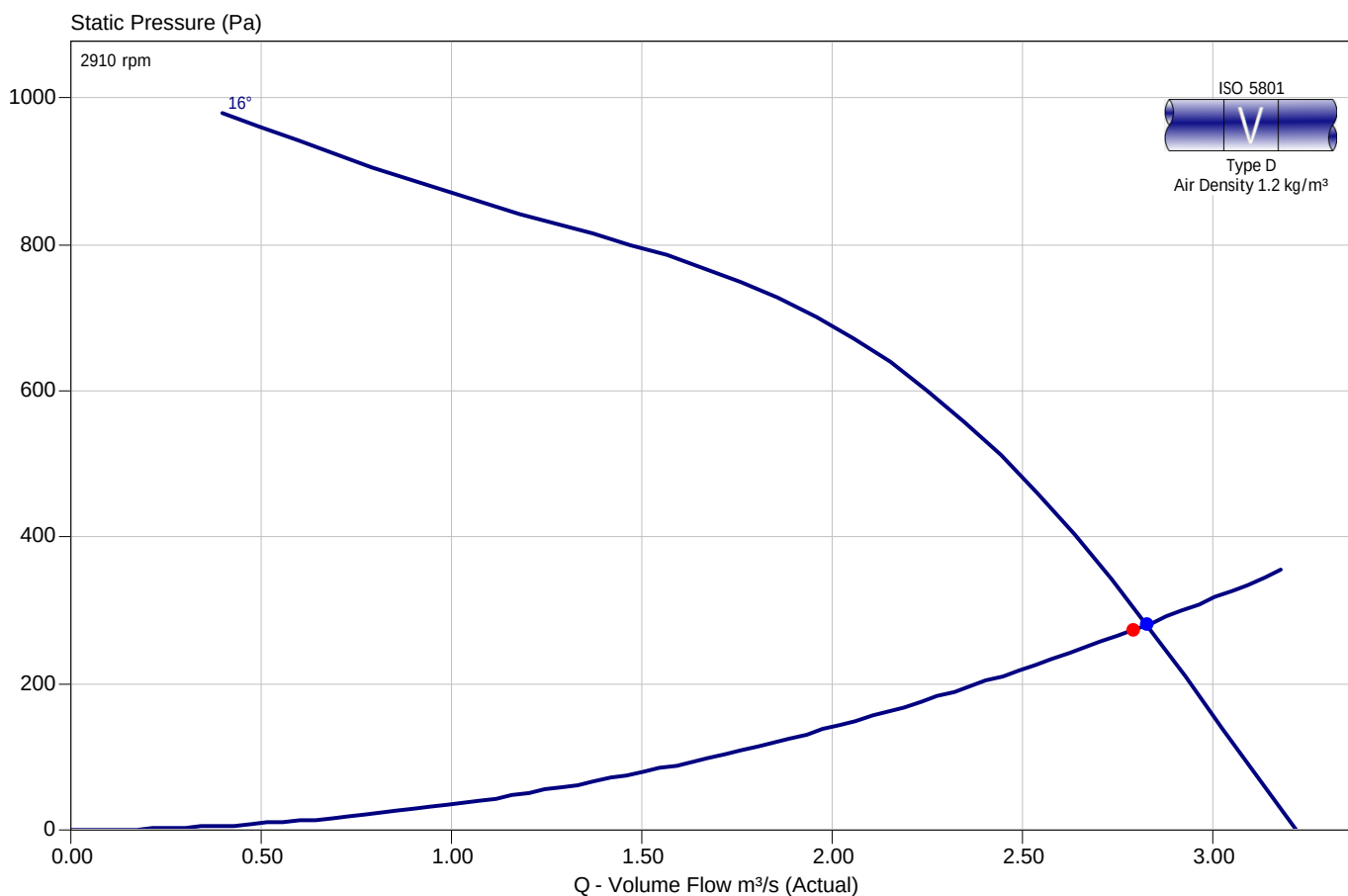
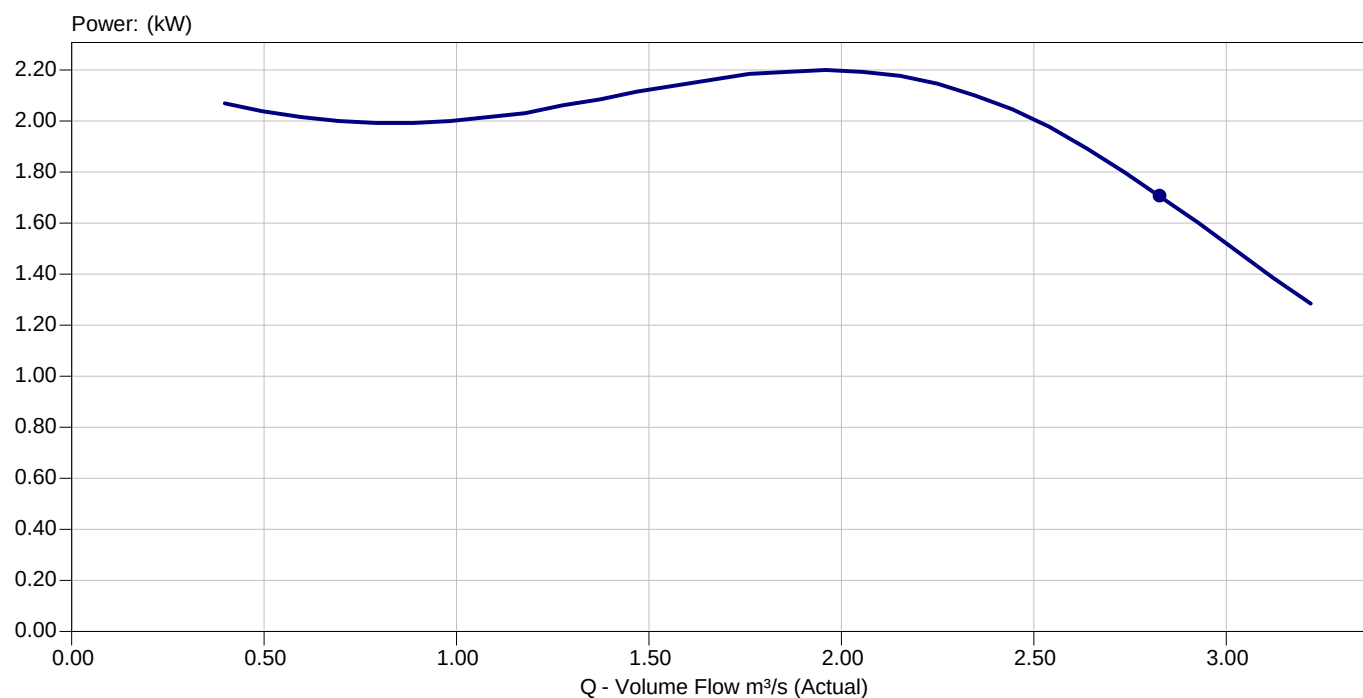
** dBA re 2×10^{-5} Pa

Sound data at requested duty.

Description	Qty
Fan	
EJ513266 - 50 MaXfan Compac	1
Accessories	
Inverter	1
Thermistors	1



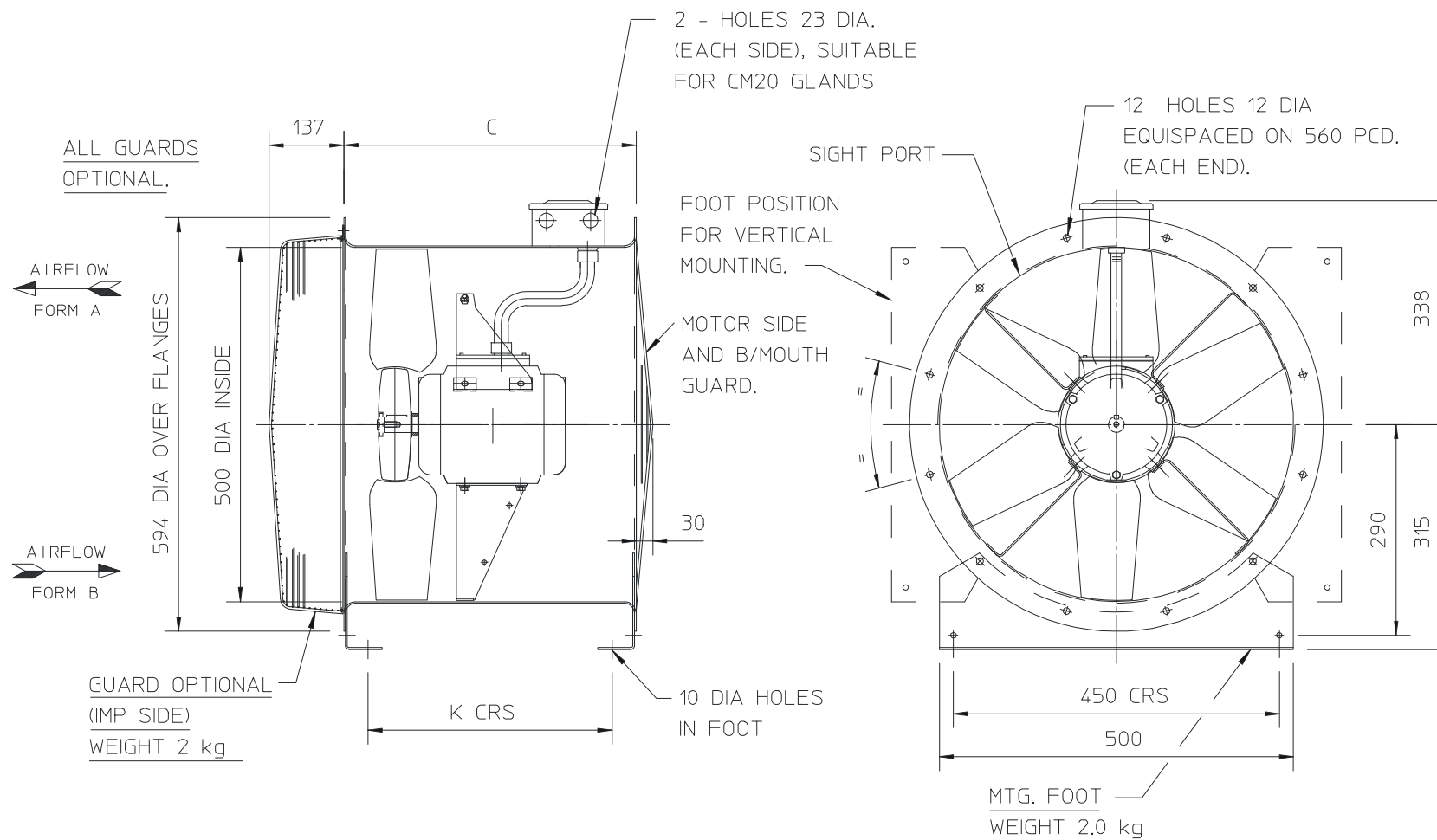
Quotation Number	:	Project Code	:	BD-13414-1
Project Name	:	Customer	:	Mainland Catering
Item Reference:	:	Date:	:	Wednesday, August 21, 2024
		Fan Code	:	50 MaXfan Compac





Quotation Number :
Project Name : Doux Chaton
Item Reference: : Extract

Fan Code : 50 MaXfan Compac
Customer : Mainland Catering
Date: : Wednesday, August 21, 2024



C	520
E	3
K	434
Weight (kg)	56

Notes : Dimensions shown in mm / Weight in kg

Reference:D275255

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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Selection Engine: 3.1.3.51p

Quotation Number	:	Project Code	:	BD-13414-2
Project Name	:	Customer	:	Mainland Catering
Item Reference:	:	Date:	:	Wednesday, August 21, 2024

Fan Code	50 Maxfan Compac
Fan Diameter / Size	500 Size / mm
Fan Speed	2840 rpm
Velocity	10.9 m/s
Blade Angle	12°
Installation Type / Form of Running	D / AB (Vertical)
Fan Casing	Long
Requested Duty	2.01m³/s @ 296 Pa (static)
Actual Duty	2.15m³/s @ 338 Pa (static)
Outlet Dynamic Pressure	72 Pa

Duty Shaft Power	1.31 kW
Max Shaft Power	1.61 kW
Total Efficiency	67.3 %

Motor Frame	80 [Class F]
Motor Rating	1.73 kW [IE2]
Full Load Current	6.16 A
Starting Current	35.5 A
Motor Mounting	Pad
Electrical Supply	220-240 Volts 50 Hz 1 Phase
Start Type	DOL
Motor Winding	Standard
Enclosure	Standard All

ErP [FMEG] Rating	N 59 (ErP Compliant)
ErP [FMEG] Target	N 58
FMEG Blade Angle [Range]	0° [0° - 0°]
Measurement Category	D (Total)
VSD	N
Fan + Motor Efficiency	55.0% (1.99 m³/s @ 468 Pa)
Motor Input Power (ErP)	1.70 kW

SFP value	0.75 W/(l/s) @ Actual Duty
Power from mains	1.61 kW
Energy Consumption	4840 kWh (3000 h/year)
Running Cost / Year	£581

Air Density	1.2 kg/m ³ / 20 °C / 0 m / 50% RH
Smoke Venting	Non Smoke Venting
Product Number	E1513255

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	Sound Spectrum (Hz)								Overall	
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Inlet*	81	82	89	85	87	87	83	79	94	72
Outlet*	81	82	91	86	87	87	85	81	95	73
Breakout*	71	64	69	63	62	59	63	57	75	48

* Lw dB re 10^{-12} W

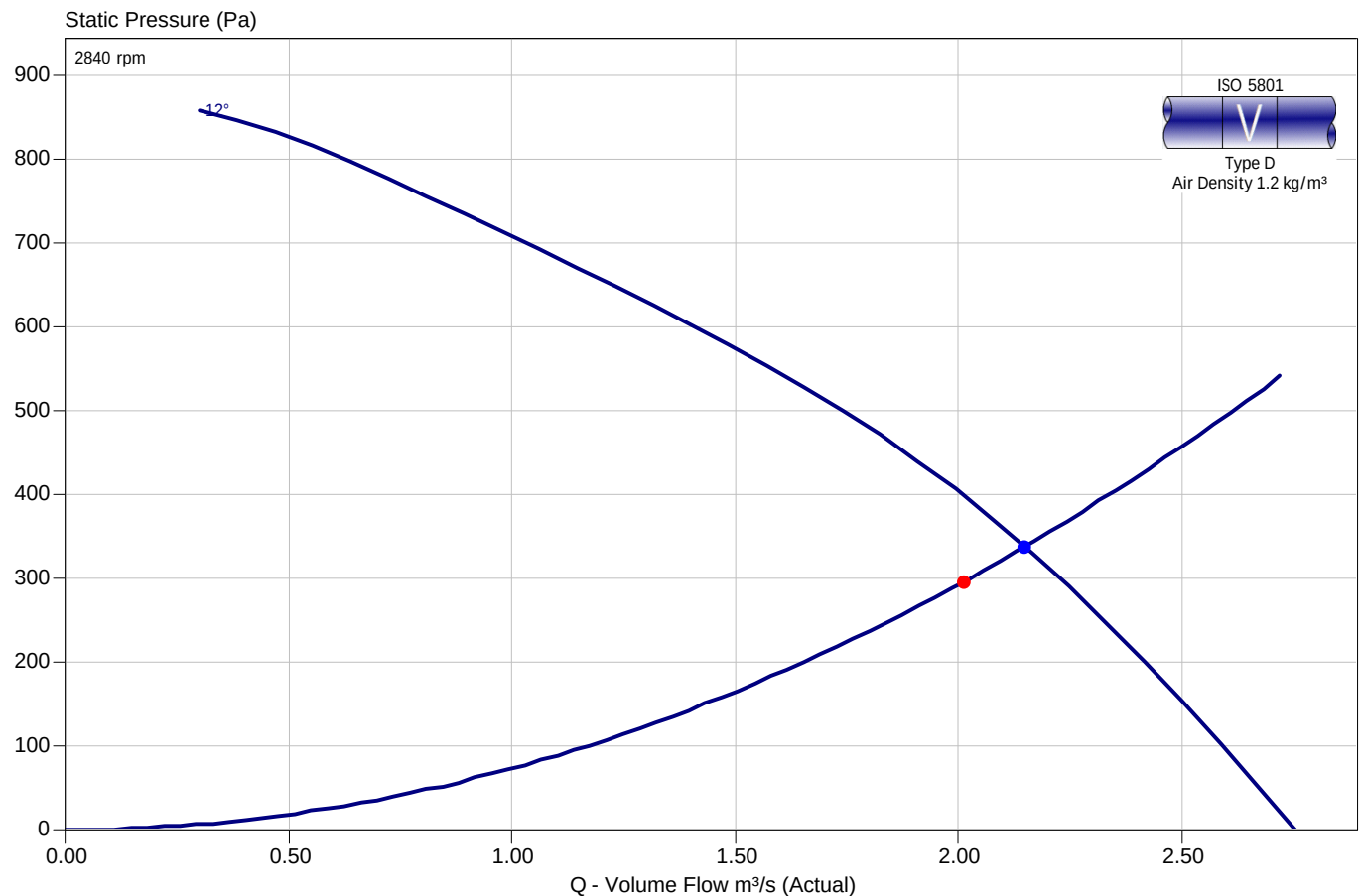
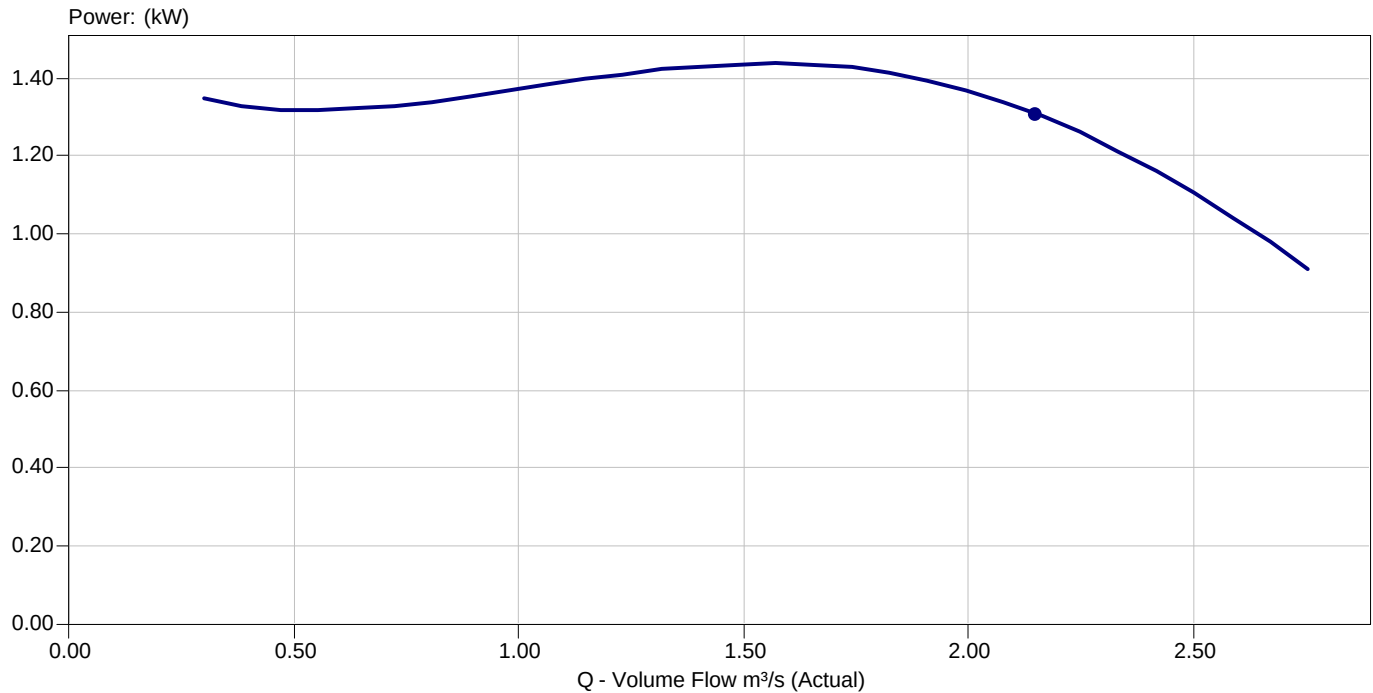
Sound data at actual duty.

** dBA re 2×10^{-5} Pa

Description	Qty
Fan	
EJ513255 - 50 MaXfan Compac	1
Accessories	
Inverter	1
Thermistors	1



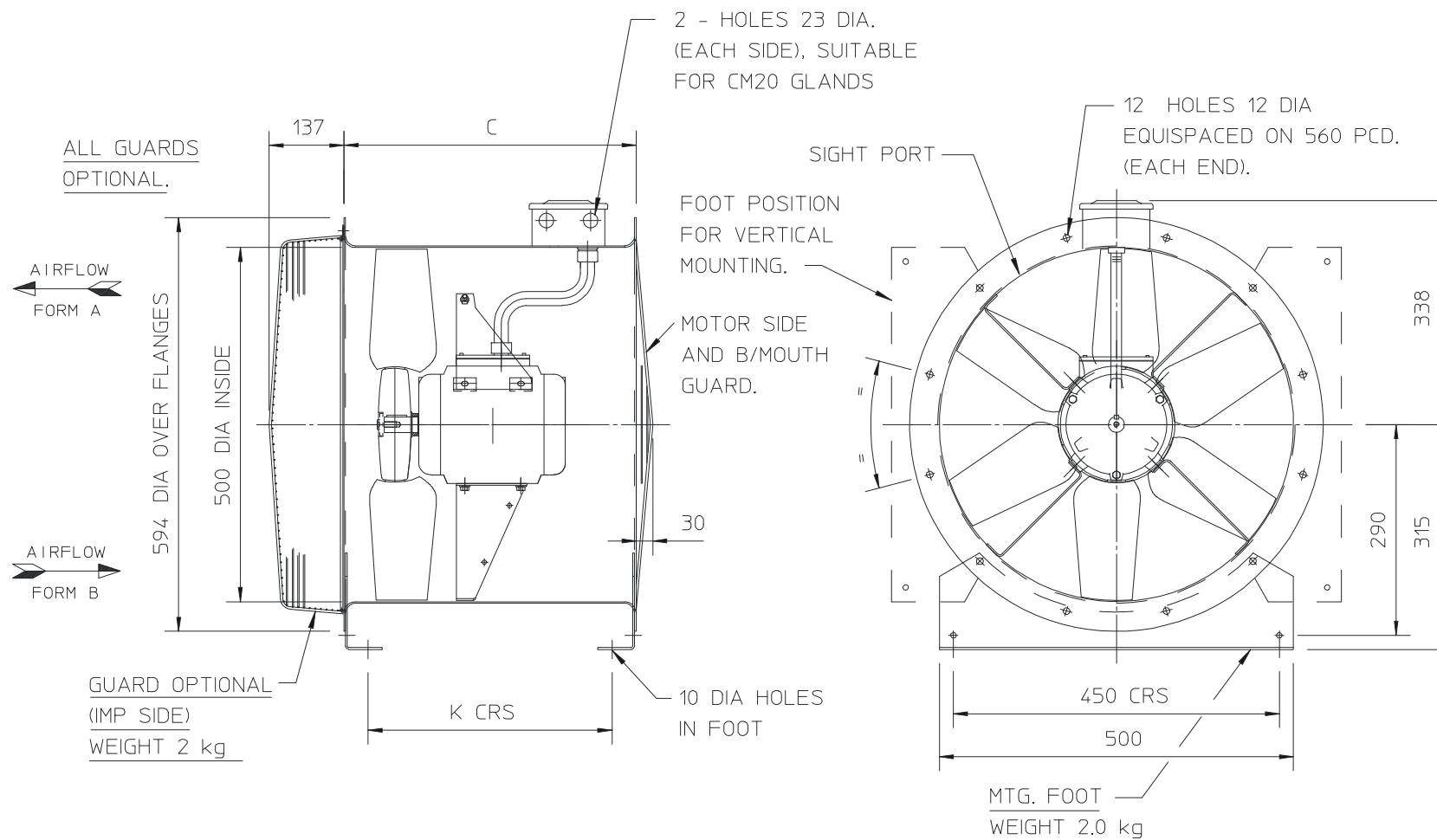
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Project Name	:	Customer	:	Mainland Catering
Item Reference:	:	Date:	:	Wednesday, August 21, 2024
		Fan Code	:	50 MaXfan Compac





Quotation Number :
Project Name : Doux Chaton
Item Reference: : Supply

Fan Code : 50 MaXfan Compac
Customer : Mainland Catering
Date: : Wednesday, August 21, 2024



C	375
K	290
Weight (kg)	32

Notes : Dimensions shown in mm / Weight in kg

Reference:D275255

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