

Quotation Number	:	Project Code	:
Project Name	:	Customer	:
Item Reference:	:	Date:	: Thursday, March 23, 2023

Fan Code	50 Maxfan Compac
Fan Diameter / Size	500 Size / mm
Fan Speed	2910 rpm
Velocity	11.4 m/s
Blade Angle	16°
Installation Type / Form of Running	D / AB (Vertical)
Fan Casing	Long
Requested Duty	2.23m³/s @ 600 Pa (static)
Outlet Dynamic Pressure	78 Pa

Duty Shaft Power	2.14 kW
Max Shaft Power	2.35 kW
Total Efficiency	71.3 %

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	1.15 W/(l/s) @ Requested Duty
Power from mains	2.58 kW
Energy Consumption	7725 kWh (3000 h/year)
Running Cost / Year	£927

Air Density	1.2 kg/m³ / 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*	87	82	91	93	91	89	84	79	98	75
Outlet*	88	82	93	93	91	89	84	80	98	75
Breakout*	78	64	71	70	66	61	62	56	79	51

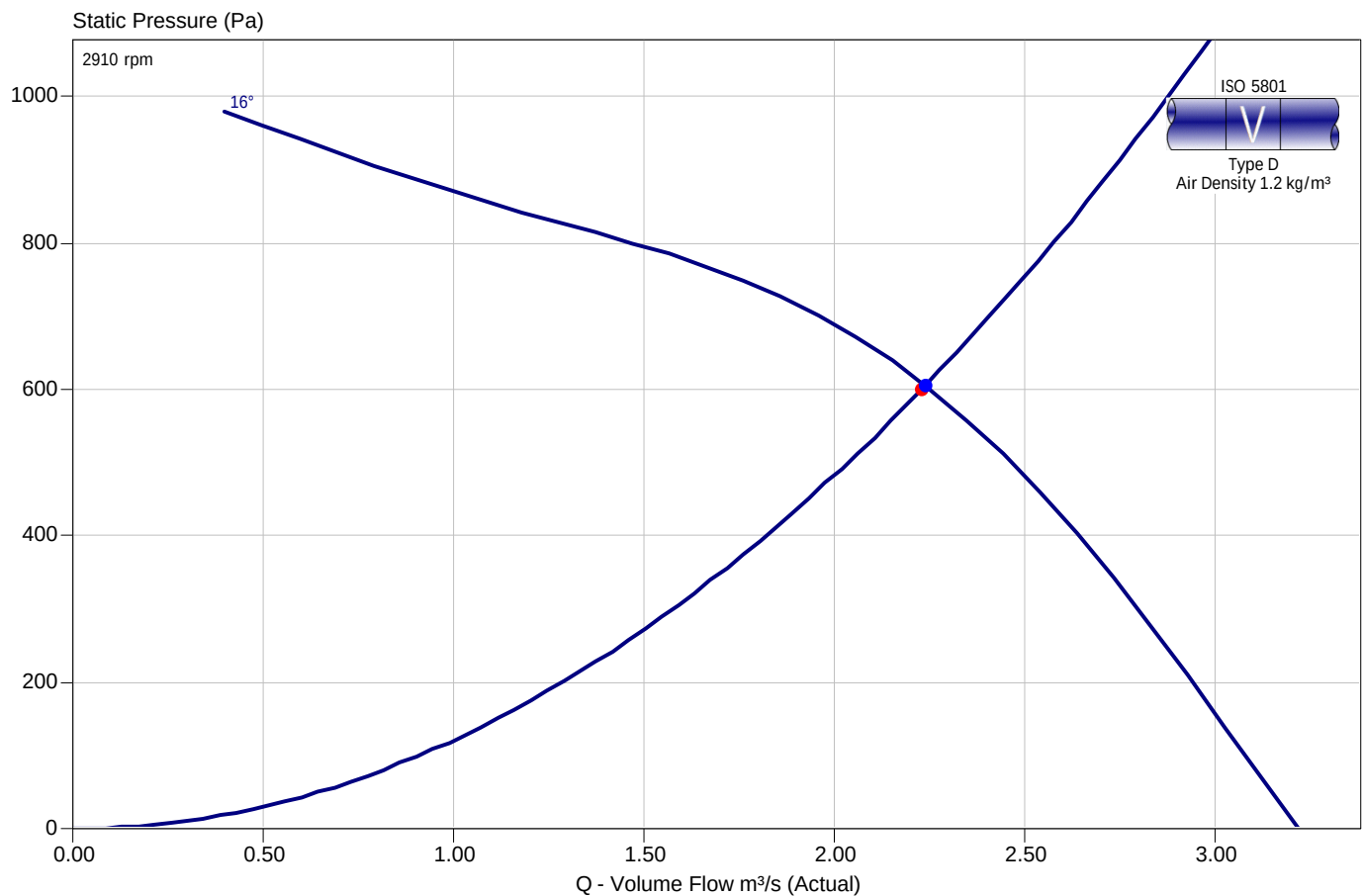
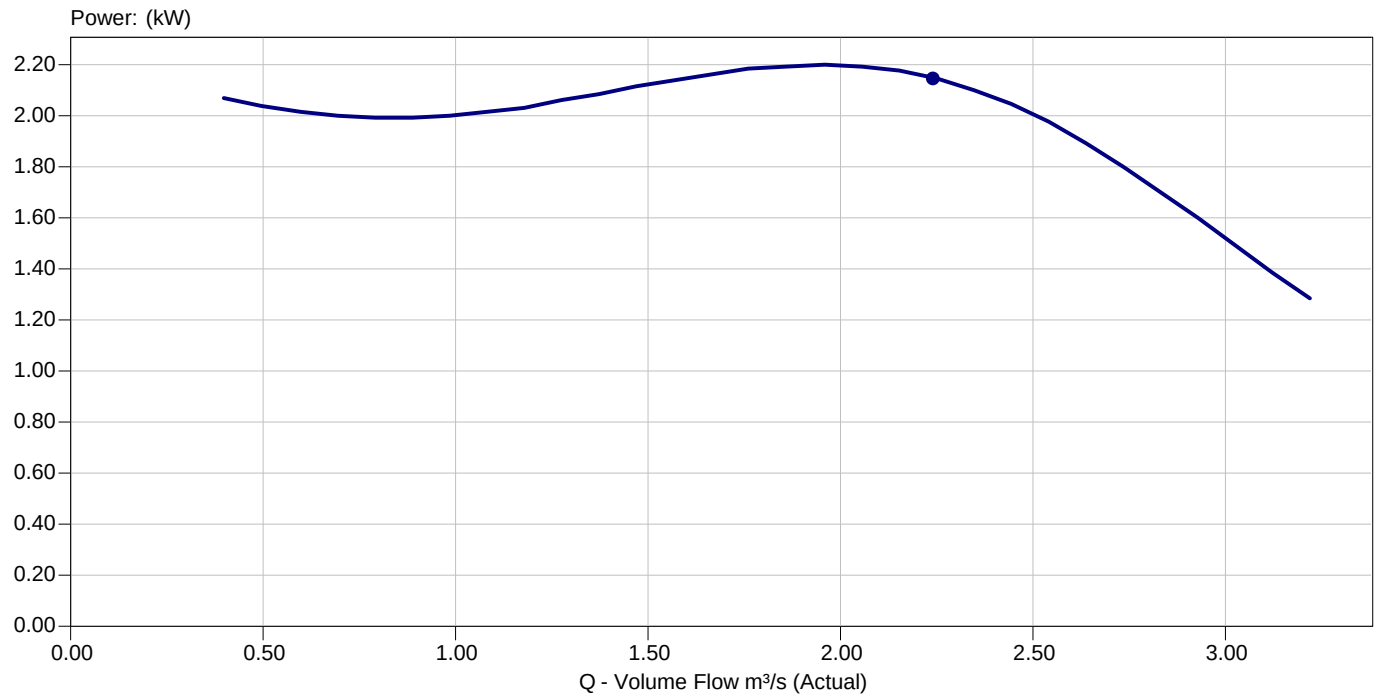
* Lw dB re 10⁻¹² W
 ** dBA re 2x10⁻⁵ Pa

Sound data at requested duty.

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



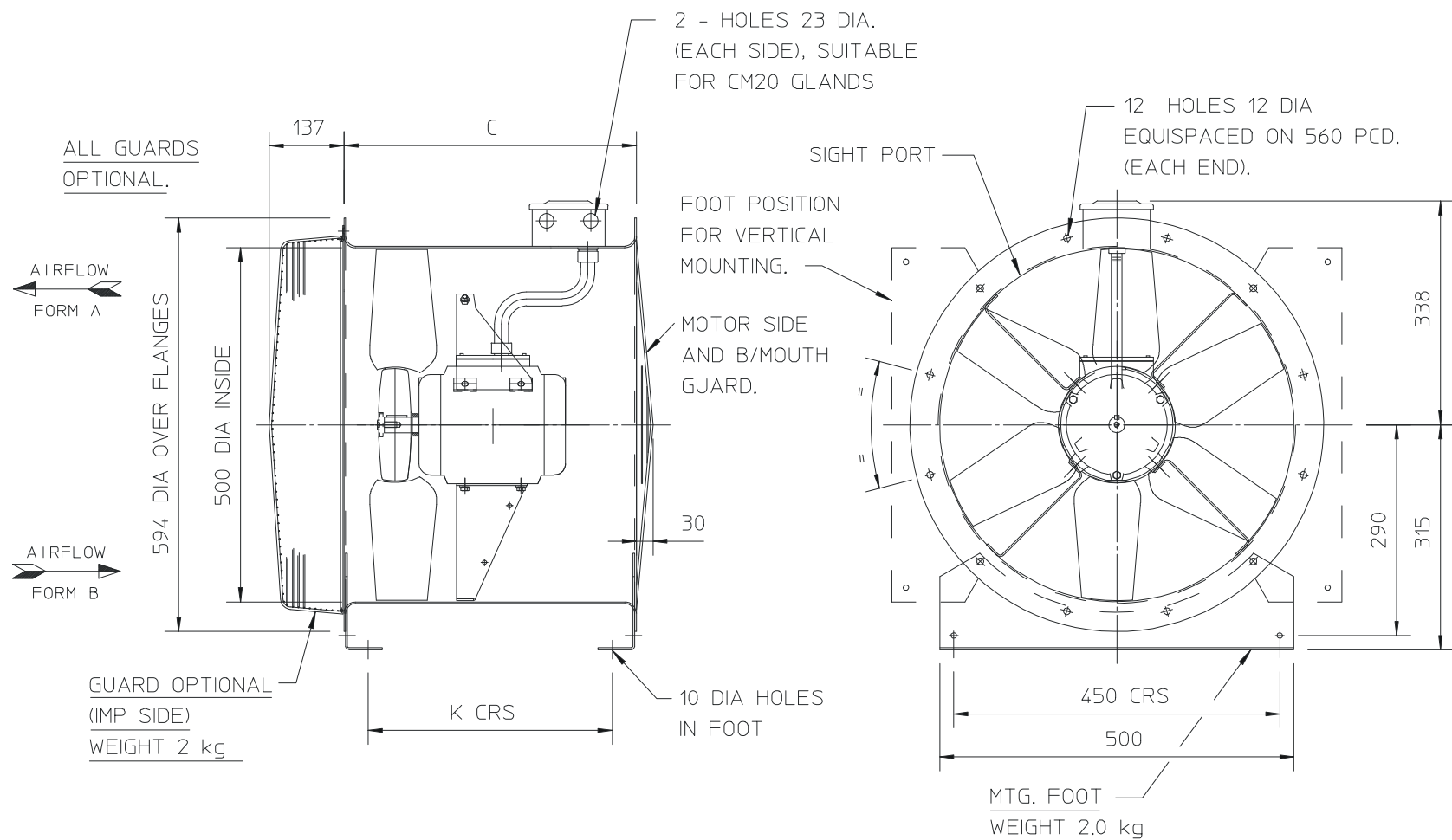
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Notes : Dimensions shown in mm / Weight in kg

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