



Fläkt Woods Limited

Technical Data Sheet MaXfan Compac



Quotation Number	:	Project Code	:
Project Name	:	Customer	:
Item Reference:	:	Date:	: Wednesday, October 31, 2018

Fan Code	50 MaXfan Compac
Fan Diameter / Size	500 Size / mm
Fan Speed	2840 rpm
Velocity	10.5 m/s
Blade Angle	12°
Installation Type / Form of Running	D / AB
Fan Casing	Long
Requested Duty	1.5m³/s @ 200 Pa (static)
Actual Duty	2.06m³/s @ 377 Pa (static)
Outlet Dynamic Pressure	66 Pa

Duty Shaft Power	1.35 kW
Max Shaft Power	1.61 kW
Total Efficiency	67.9 %

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	0.80 W/(l/s) @ Actual Duty
Power from mains	1.66 kW
Energy Consumption	4968 kWh (3000 h/year)
Running Cost / Year	£596

Air Density	1.2 kg/m³ / 20 °C / 0 m / 40% RH
Smoke Venting	Non Smoke Venting
Product Number	EJ513255

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.

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*	81	82	89	85	87	87	83	79	95	72
Outlet*	81	82	91	86	87	87	85	81	96	73
Breakout*	71	64	69	63	62	59	63	57	75	49

* Lw dB re 10⁻¹² W

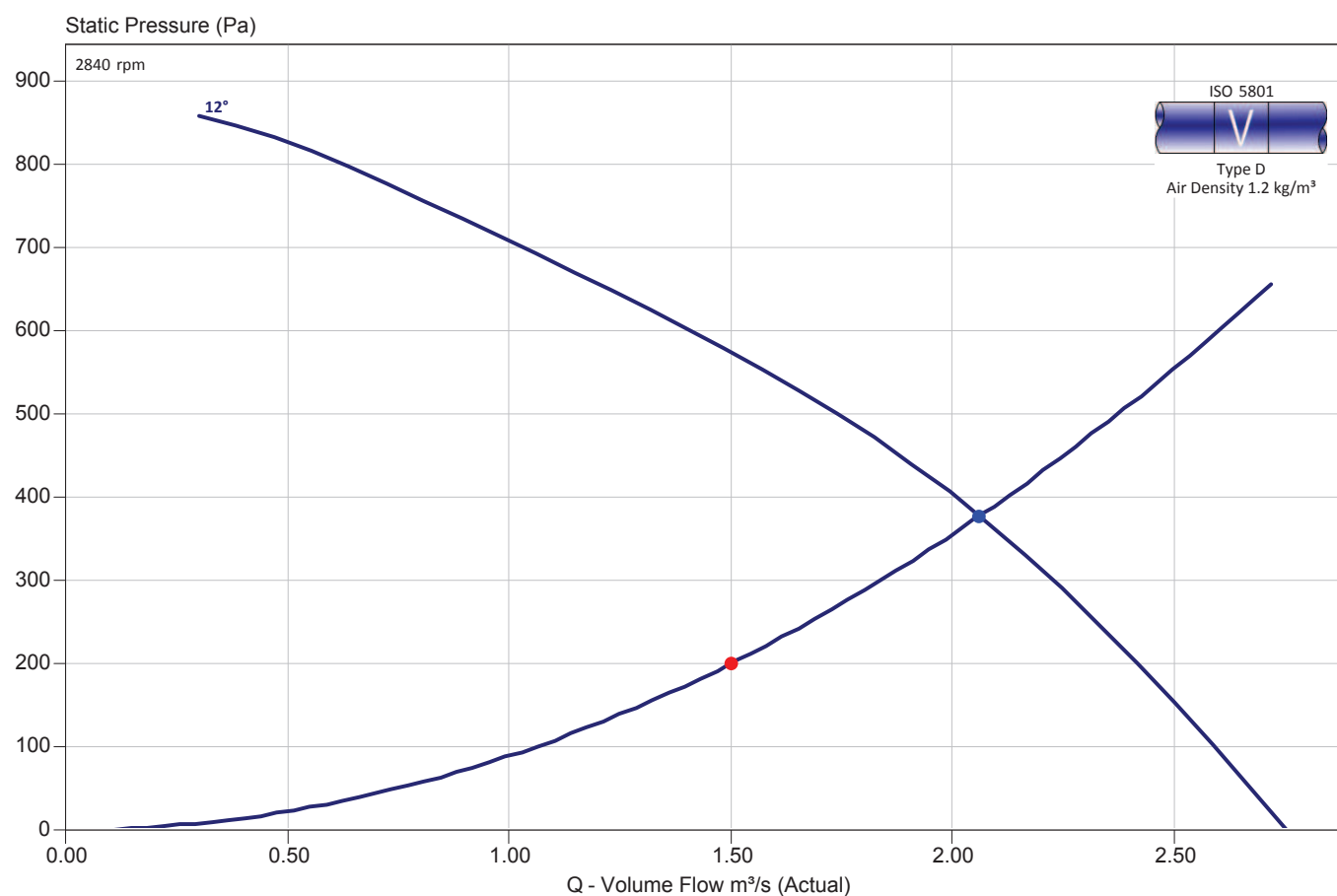
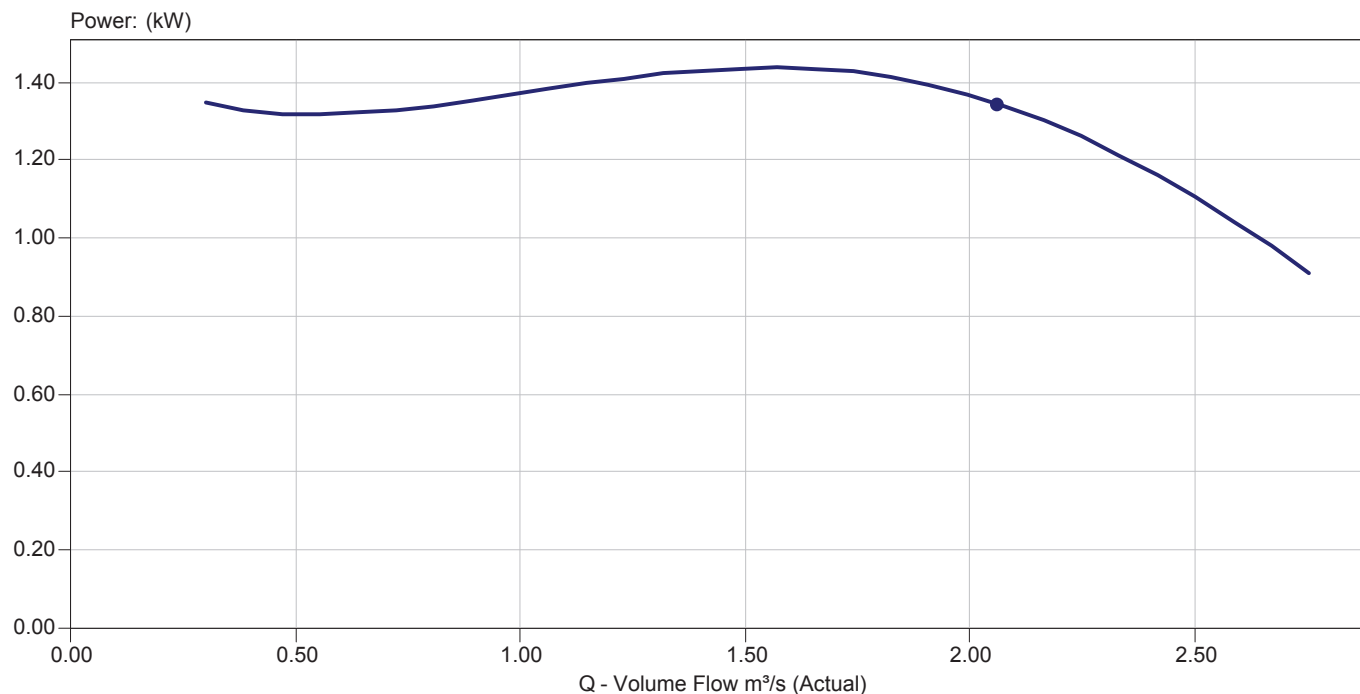
** dBA re 2x10⁻⁵ Pa

Sound data at actual duty.

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



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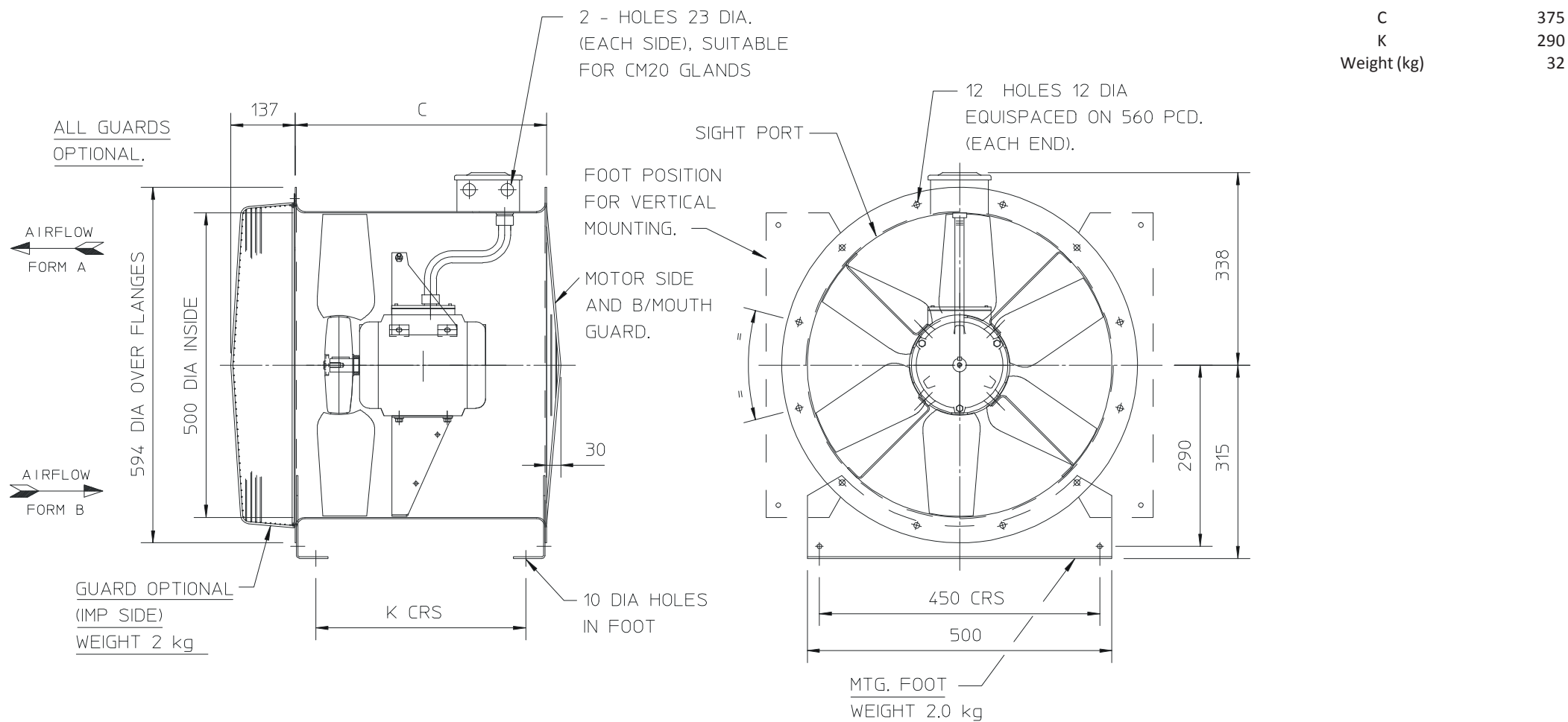
Fläkt Woods Limited
Drawing and Dimensions
MaXfan Compac



NFAN

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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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