

Quotation Number	:	Project Code	:	BA-16670-4
Project Name	:	Customer	:	
Item Reference:	:	Date:	:	Tuesday, August 3, 2021

Fan Code	40 Maxfan Compac
Fan Diameter / Size	400 Size / mm
Fan Speed	2840 rpm
Velocity	9.1 m/s
Blade Angle	16°
Installation Type / Form of Running	D / AB (Vertical)
Fan Casing	Long
Requested Duty	0.91m³/s @ 200 Pa (static)
Actual Duty	1.14m³/s @ 313 Pa (static)
Outlet Dynamic Pressure	46 Pa
Duty Shaft Power	0.596 kW
Max Shaft Power	0.690 kW
Total Efficiency	68.5 %
Motor Frame	80 [Class F]
Motor Rating	1.32 kW [IE2]
Full Load Current	4.71 A
Starting Current	25.5 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 62 (ErP Compliant)
ErP [FMEG] Target	N 58
FMEG Blade Angle [Range]	0° [0° - 0°]
Measurement Category	D (Total)
VSD	N
Fan + Motor Efficiency	55.8% (1.29 m³/s @ 375 Pa)
Motor Input Power (ErP)	0.870 kW
SFP value	0.68 W/(l/s) @ Actual Duty
Power from mains	0.77 kW
Energy Consumption	2316 kWh (3000 h/year)
Running Cost / Year	£278
Air Density	1.123 kg/m³ / 40 °C / 0 m / 40% RH
Smoke Venting	Non Smoke Venting
Product Number	EJ413456

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.

	Sound Spectrum (Hz)								Overall	
	63	125	250	500	1k	2k	4k	8k	Lw*	LpA @ 3 m**
Inlet*	75	75	79	71	67	68	67	64	82	55
Outlet*	77	76	82	72	68	68	68	65	85	57
Breakout*	69	64	67	61	55	50	52	50	72	43

* Lw dB re 10-12W ** dBA re 2x10-5 Pa
Sound data at actual duty.

Description	Qty
Fan	
EJ413456 - 40 MaXfan Compac	1
Accessories	
Inverter	1
Thermistors	1



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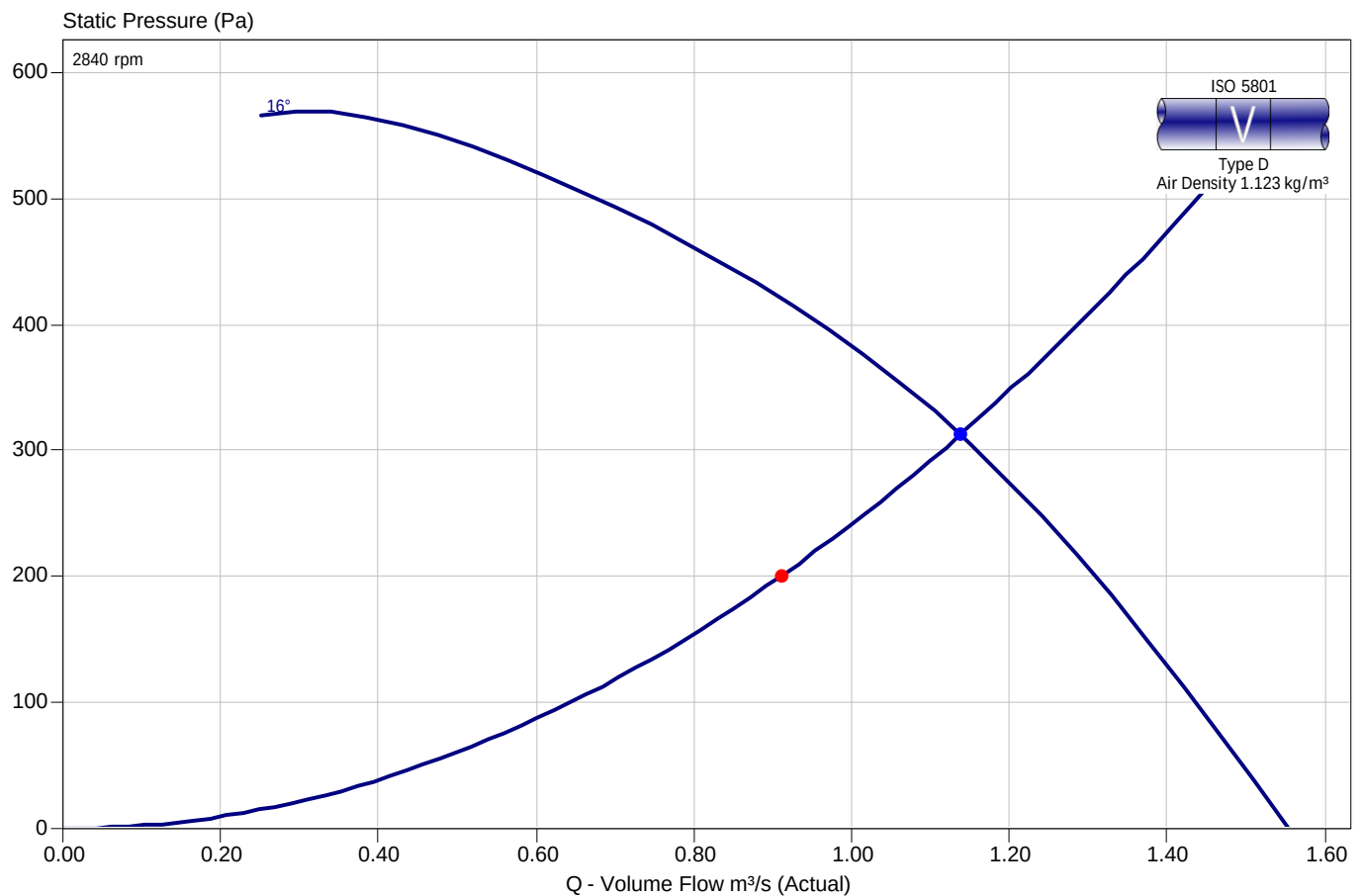
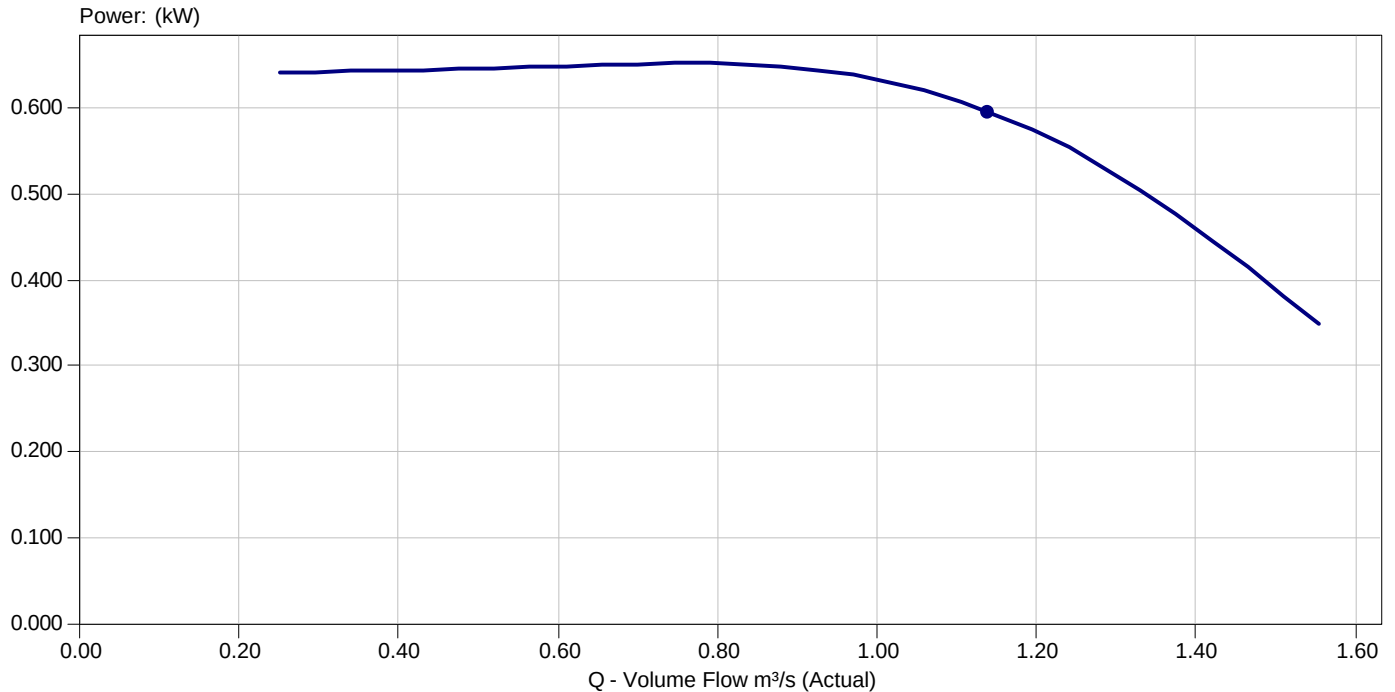
Performance Chart

MaXfan Compac



Quotation Number :
Project Name : Simon Sound Levels 030821
Item Reference: :

Project Code : BA-16670-4
Customer :
Date: : Tuesday, August 3, 2021
Fan Code : 40 MaXfan Compac



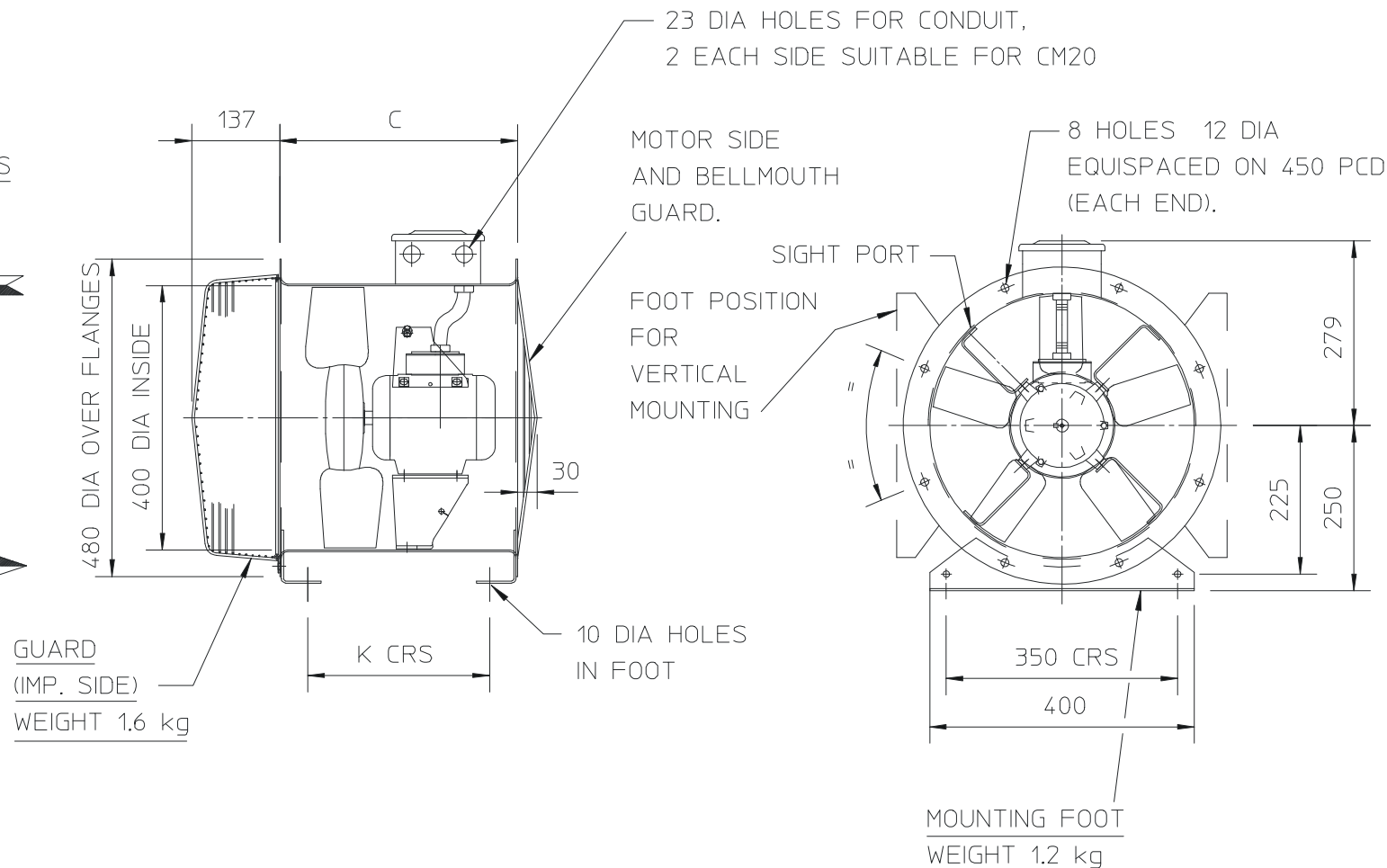


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C	375
K	290
Weight (kg)	35

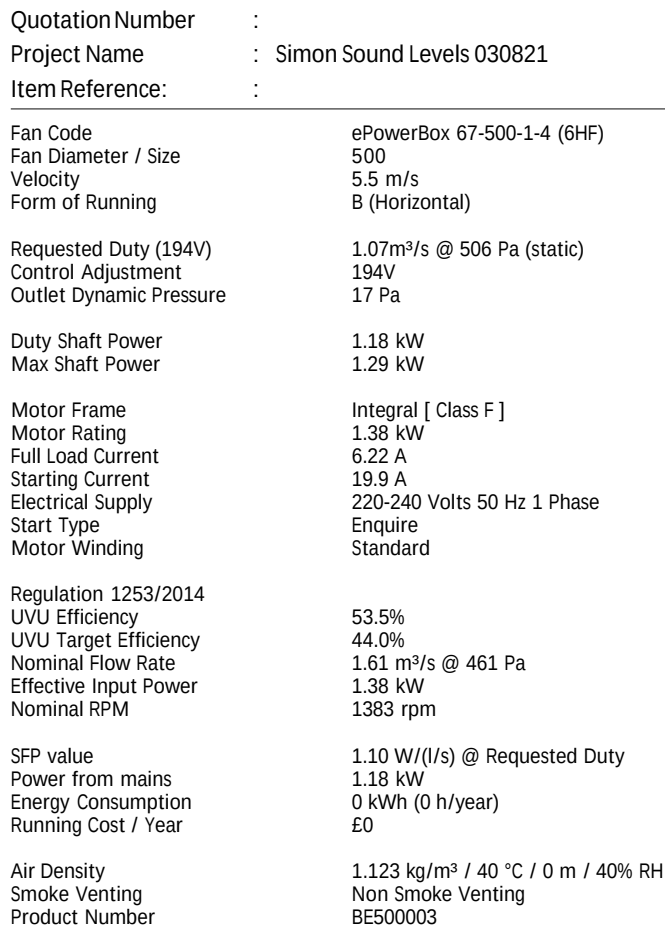
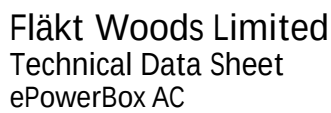
ALL GUARDS
OPTIONAL.



Notes : Dimensions shown in mm / Weight in kg

Reference:D275403

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



Project Code : BA-16670-2
Customer :
Date: : Tuesday, August 3, 2021

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

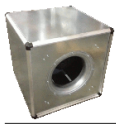
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	Sound Spectrum (Hz)								Overall	
	63	125	250	500	1k	2k	4k	8k	Lw*	LpA @ 3 m**
Inlet*	73	74	74	68	65	61	57	53	79	51
Outlet*	69	83	75	60	57	55	50	50	84	50
Breakout*	65	71	61	44	37	26	20	<20	72	37

* Lw dB re 10-12W ** dBA re 2x10-5 Pa
Sound data at requested duty.

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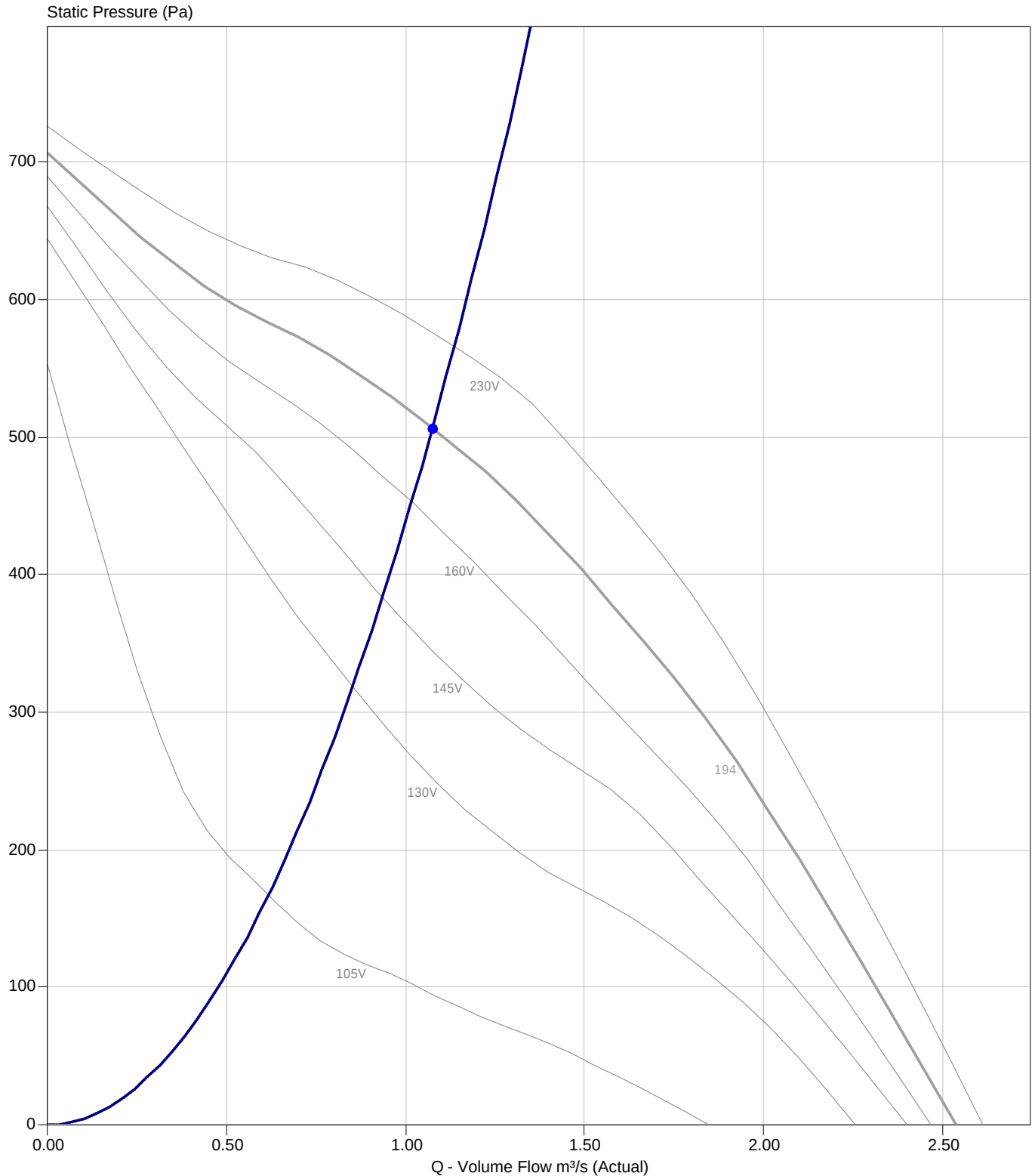
Performance Chart

ePowerBox AC



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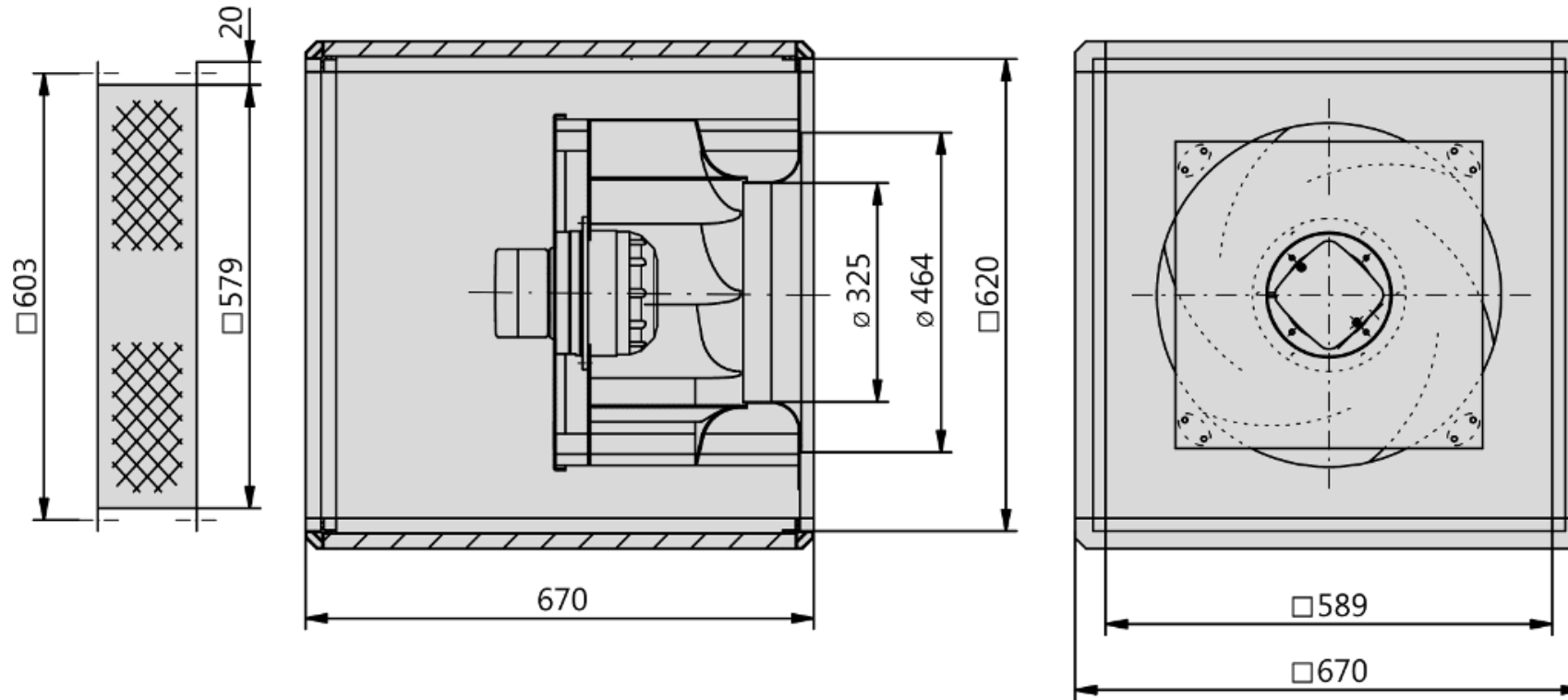
Project Code : BA-16670-2
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Fan Code : ePowerBox 67-500-1-4 (6HF)





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Fan Code : ePowerBox 67-500-1-4 (6HF)
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Notes : Dimensions shown in mm / Weight in kg

Reference :Catalogue drawing

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