


**Project :** \_\_\_\_\_ **Customer :** \_\_\_\_\_ **Project Code :** \_\_\_\_\_  
**Quotation :** \_\_\_\_\_ **Date :** 21 February 2025



**MaXfan Compac**

31 MaXfan Compac  
 1 day - (Fan Only)  
 Lead time may vary based on stock availability at time of order. Please refresh the lead time in the project or reselect the fan before placing an order.

PRODUCT	
Model Code	31 MaXfan Compac
Fan Diameter	315 mm
Fan Speed	2760 rpm [Max 9999, Min 561]
Impeller	6 Blades, 15° Angle
Installation	Type D
Fan Casing	Long Case

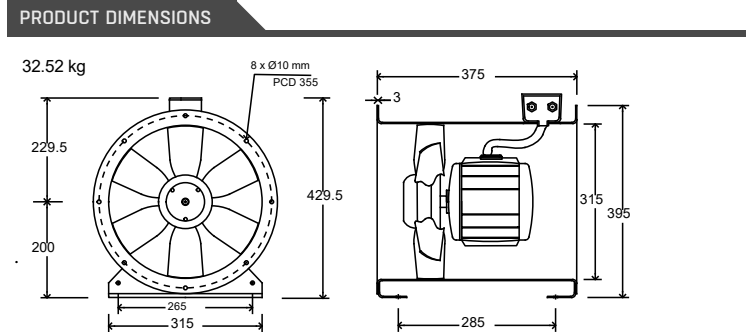
PERFORMANCE	
Requested Duty	0.400 m³/s @ 5.00 Pa (Static)
Actual Duty	0.727 m³/s @ 16.5 Pa (Static)
Outlet Dynamic Pressure	52 Pa
Velocity	9.32 m/s
Absorbed Power	0.155 kW
Peak Power	0.260 kW [Used to size motor]
Efficiency (Total / Static)	32.3 % / 7.8 %

MOTOR	
Motor Rating	0.900 kW [ 80 Frame - 2 Pole ]
Full Load Current	3.51 A
Starting Current	17.2 A
Electrical Supply	220 - 240 Volts 50 Hz 3 Phase
Motor Winding	Standard
Motor Type	TEAR - Pad - IE2 - Class F Insulation

EFFICIENCY GRADES	
ErP [FMEG] Rating	N 33 (Not ErP Compliant) <b>X</b>
ErP [FMEG]	Target N 58
FMEG Blade Angle [Range]	15° [ 15° To 15° ]
Measurement Category	D
VSD	No
Fan + Motor Efficiency	25.7% (0.502 m³/s @ 300 Pa)
Motor Input Power (ErP)	0.587 kW

ENVIRONMENT	
Air Density	1.2 kg/m³ / 20 °C / 0 m / 40% RH
Smoke Venting	No Smoke Venting
Operating Environment	Normal

RUNNING COSTS	
Power from mains	0.569 kW
Energy Consumption	1,137.54 kWh (2,000.00 h/Year)
Running Cost / Year	£284.38
CO2 per Year	399.91 kgCO2e
SFP value	0.78 W/l/s @ Actual Duty

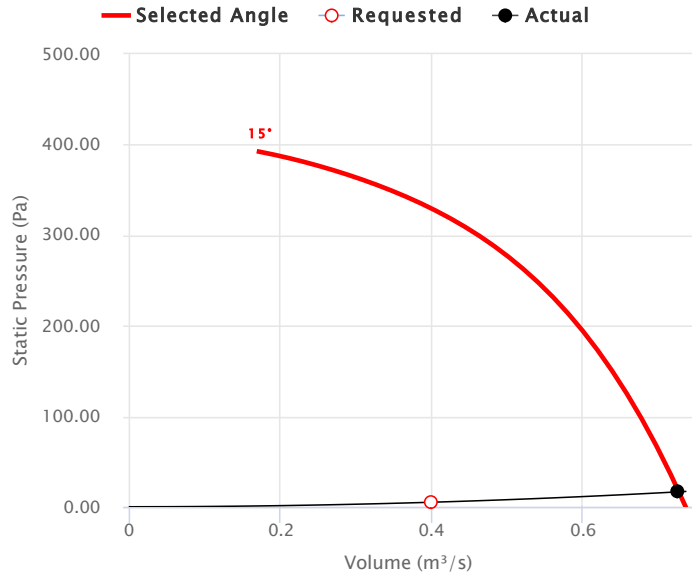


This drawing shows dimensions that should be used as a guide only and are

MECHANICAL	
Casing	315mm # Casing
Impeller	Hub, Blades
Operating Temperatures	-20 °C to 50 °C (95% Max Relative Humidity)
Weight	32.52kg

**COMMENTS**

**FAN PERFORMANCE CURVE**



**ACOUSTICS**

	Sound Spectrum (Hz)								Overall		Distance (3 m)
	63	125	250	500	1k	2k	4k	8k	Lw*	LwA*	LpA @ 3 m **
Inlet	83	74	77	75	73	71	69	64	85	78	58
Outlet	83	74	77	75	73	71	69	64	85	78	58
Breakout	75	58	57	55	53	50	54	45	75	60	39

Sound Data At Requested Duty. \* Lw dB re 10<sup>-12</sup> W \*\* dBA re 2x10<sup>-5</sup> Pa

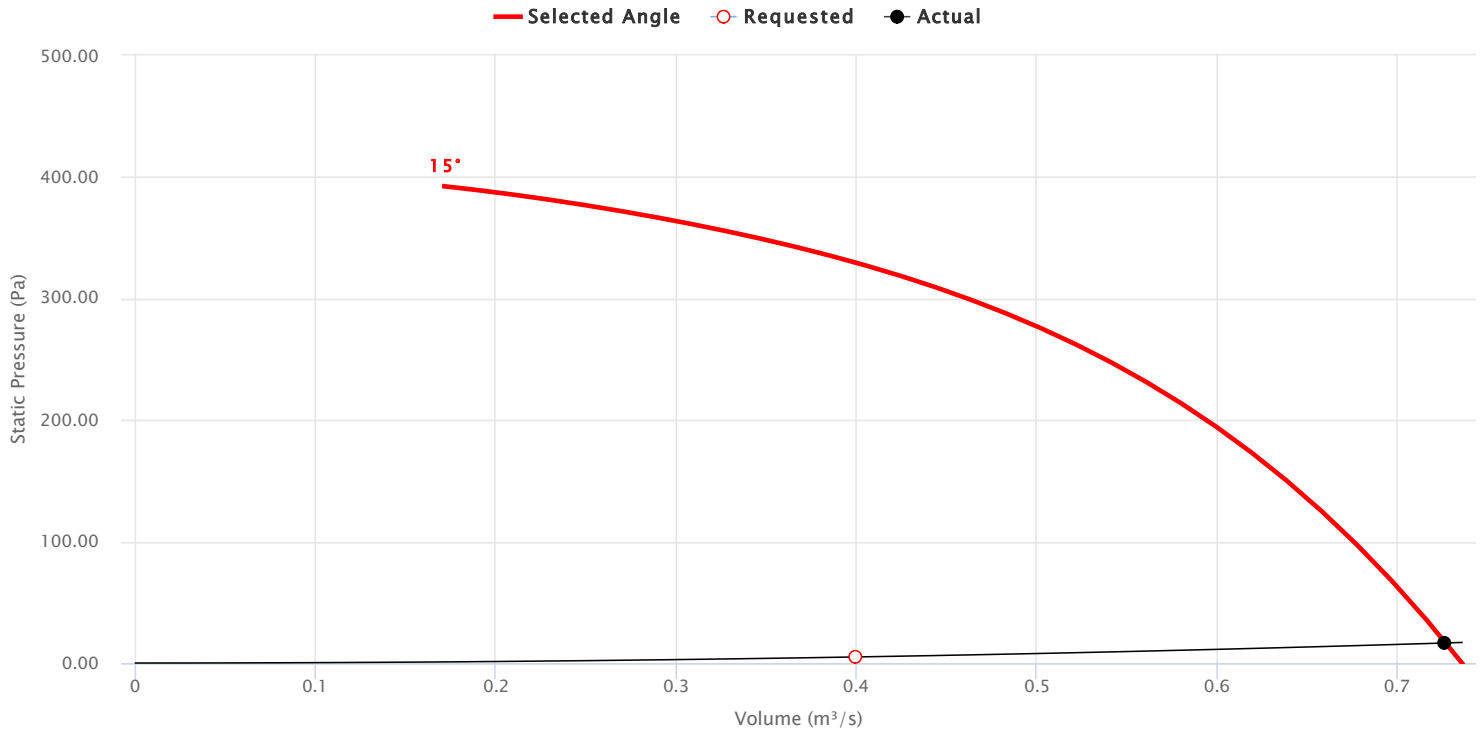
**FAN & ACCESSORIES**

Item Description	Part Number	Qty	Lead-Time
31 MaXfan Compac	EJ313266	1	1 Day
IEDXB20 - 1ph to 3ph Inverter	PK901092	1	12 Weeks

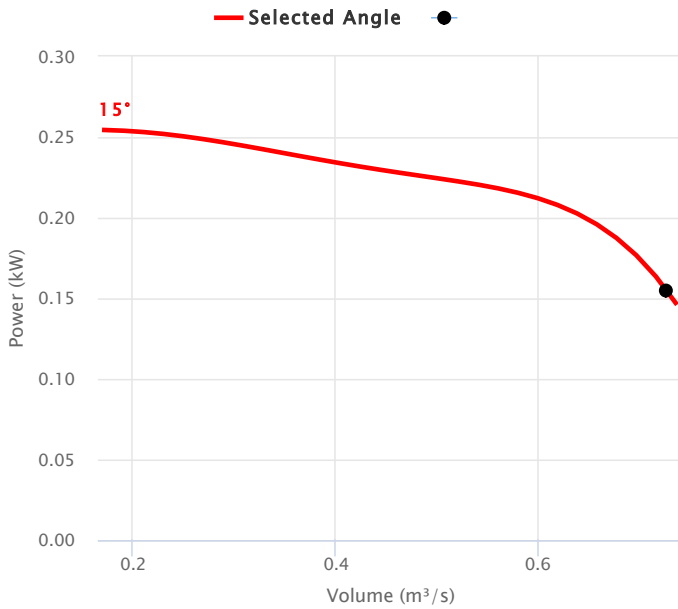


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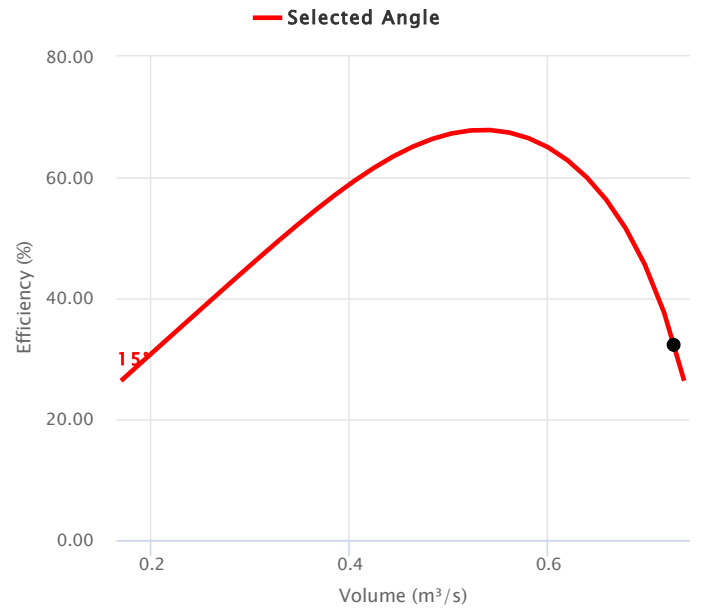
**AERODYNAMIC**



**POWER CHART**



**EFFICIENCY CHART**



**ACOUSTICS**

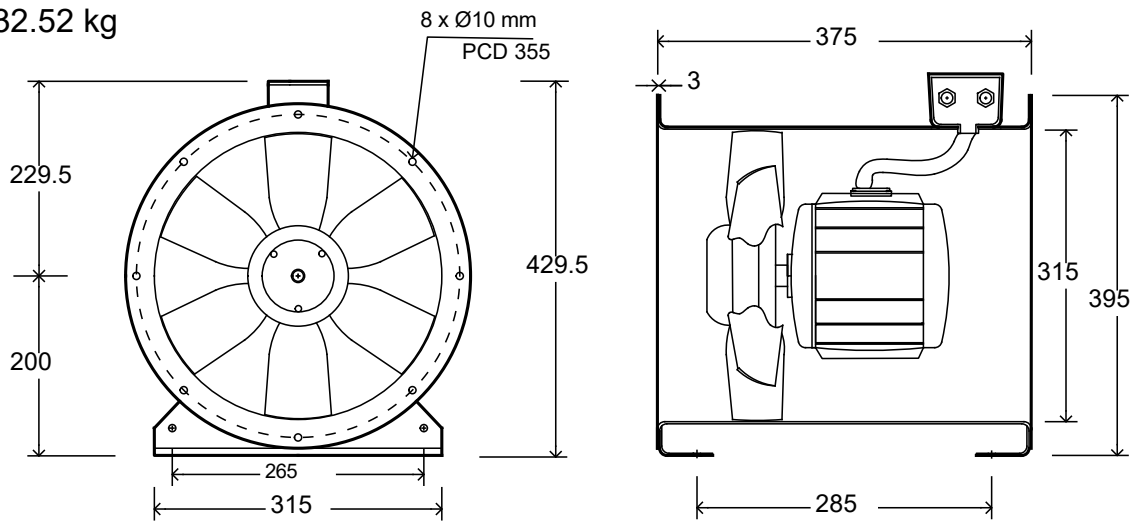
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**PRODUCT DIMENSIONS**

32.52 kg



**ACCESSORY DIMENSIONS**

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**MAXFAN COMPAC**

**ACOUSTIC NOTES**

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, motor noise may increase slightly - particularly when the operating speed is well below maximum. We therefore recommend using an auto transformer speed controller for noise sensitive applications. Bifurcated Axial fans are ErP exempt, where the in-duct air temperature is continuously greater than 100°C. This fan variant should not be used within EEA countries at lower temperatures.