


Project : _____ **Customer :** _____ **Project Code :** _____
Quotation : _____ **Date :** 21 February 2025



MaXfan Compac

63 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	63 MaXfan Compac
Fan Diameter	630 mm
Fan Speed	2900 rpm [Max 9999, Min 568]
Impeller	3 Blades, 12° Angle
Installation	Type D
Fan Casing	Long Case

PERFORMANCE	
Requested Duty	3.50 m³/s @ 100 Pa (Static)
Actual Duty	4.33 m³/s @ 153 Pa (Static)
Outlet Dynamic Pressure	116 Pa
Velocity	13.89 m/s
Absorbed Power	1.95 kW
Peak Power	2.63 kW [Used to size motor]
Efficiency (Total / Static)	59.5 % / 33.9 %

MOTOR	
Motor Rating	2.64 kW [90L Frame - 2 Pole]
Full Load Current	9.32 A
Starting Current	56.4 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 57 (Not ErP Compliant) X
ErP [FMEG]	Target N 58
FMEG Blade Angle [Range]	12° [12° To 12°]
Measurement Category	D
VSD	No
Fan + Motor Efficiency	54.1% (3.35 m³/s @ 487 Pa)
Motor Input Power (ErP)	3.01 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	2.33 KW
Energy Consumption	4,663.71 kWh (2,000.00 h/Year)
Running Cost / Year	£1,165.93
CO2 per Year	1,639.57 kgCO2e
SFP value	0.54 W/l/s @ Actual Duty

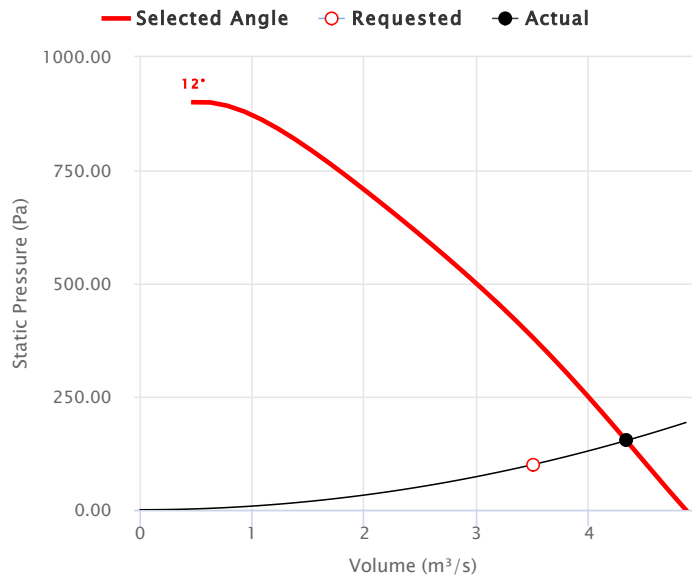
PRODUCT DIMENSIONS

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

MECHANICAL	
Casing	630mm # Casing
Impeller	Hub, Blades
Operating Temperatures	-40 °C to 55 °C (95% Max Relative Humidity)

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	84	94	92	90	86	83	82	80	97	92	71
Outlet	85	97	93	90	86	84	83	82	99	93	72
Breakout	75	76	67	65	61	57	64	58	79	69	48

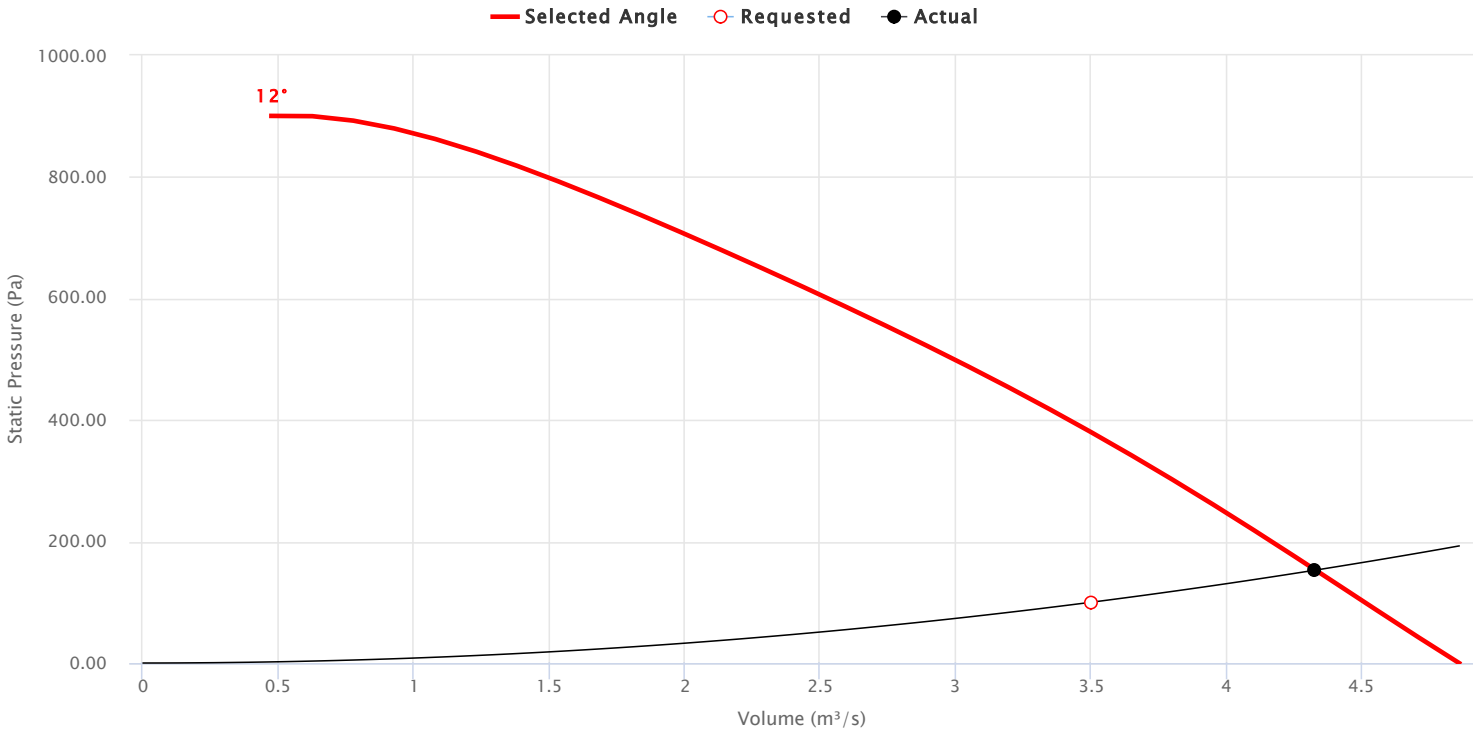
Sound Data At Requested Duty. * Lw dB re 10⁻¹² W ** dBA re 2x10⁻⁵ Pa

FAN & ACCESSORIES

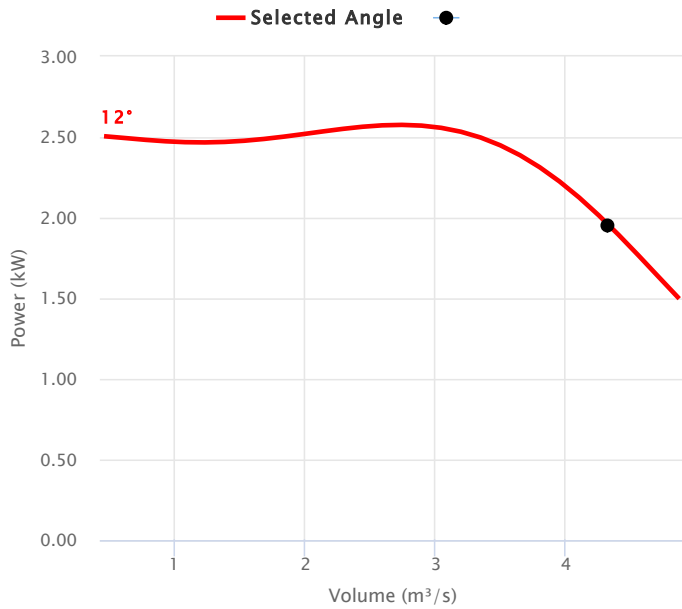
Item Description	Part Number	Qty	Lead-Time
63 MaXfan Compac	EJ623236	1	1 Day
IEDXB20 - 1ph to 3ph Inverter	PK901091	1	12 Weeks

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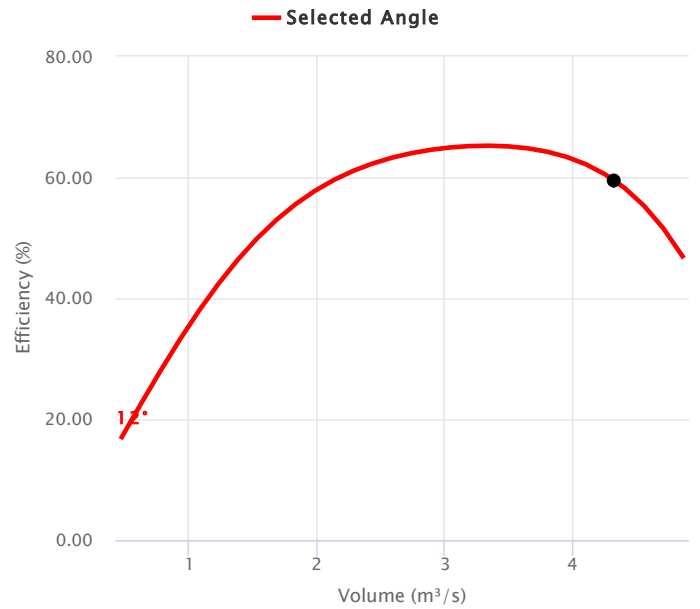
AERODYNAMIC



POWER CHART



EFFICIENCY CHART



ACOUSTICS

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Sound Data At Requested Duty . * Lw dB re 10⁻¹² W ** dBA re 2x10⁻⁵ Pa

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PRODUCT DIMENSIONS

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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.