


**Project :** \_\_\_\_\_ **Customer :** \_\_\_\_\_ **Project Code :** \_\_\_\_\_  
**Quotation :** \_\_\_\_\_ **Date :** 15 November 2024



**MaXfan2**  
 40-1  
 MaXfan2/16/4/5/37/30  
 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	40-1 MaXfan2/16/4/5/37/30
Fan Diameter	400 mm
Fan Speed	1420 rpm [Max 9999, Min 274]
Impeller	5 Blades, 37° Angle
Installation	Type D - Form A, B
Fan Casing	Long Case

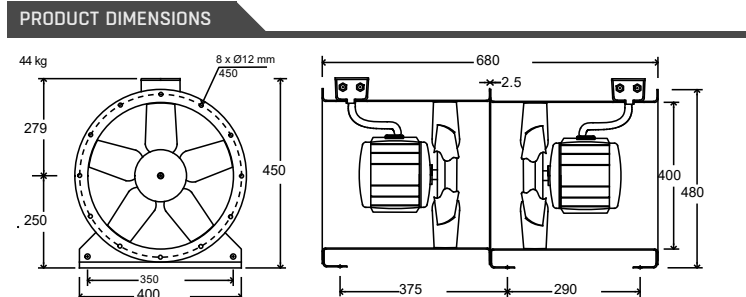
PERFORMANCE [2 STAGES]	
Requested Duty	1.00 m³/s @ 200 Pa (Static)
Actual Duty	1.20 m³/s @ 286 Pa (Static)
Outlet Dynamic Pressure	54 Pa
Velocity	9.51 m/s
Absorbed Power - Both Stages	0.548 kW
Peak Power - One Stage	0.591 kW [Used to size motor]
Efficiency (Total / Static)	74.2 % / 62.4 %

MOTOR [PER STAGE]	
Motor Rating	0.320 kW [ BT9 Frame - 4 Pole ]
Full Load Current	2.2 A
Starting Current	5 A
Electrical Supply	220 - 240 Volts 50 Hz 1 Phase
Motor Winding	Standard
Motor Type	Pad - Class F Insulation

EFFICIENCY GRADES	
ErP [FMEG] Rating	N 47 (ErP Compliant 2015) ✓
ErP [FMEG]	Target N 40
FMEG Blade Angle [Range]	37° [ 37° To 37° ]
Measurement Category	C
VSD	No
Fan + Motor Efficiency	41.1% (1.09 m³/s @ 330 Pa)
Motor Input Power (ErP)	0.877 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	0.849 KW
Energy Consumption	1,698.56 kWh (2,000.00 h/Year)
Running Cost / Year	£424.64
CO2 per Year	597.15 kgCO2e
SFP value	0.71 W/l/s @ Actual Duty

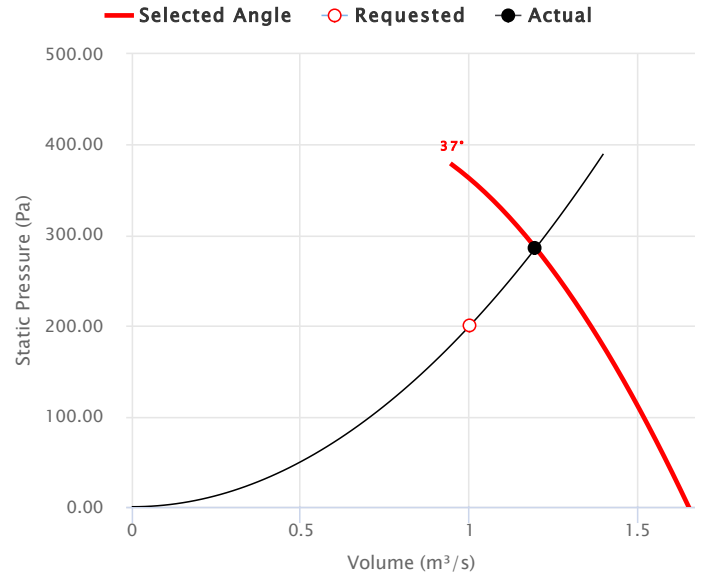


This drawing shows dimensions that should be used as a guide only and are subject to change. Certified drawings are available on request.

MECHANICAL	
Casing	400mm # Casing
Impeller	Hub, Blades
Operating Temperatures	-40 °C to 50 °C (95% Max Relative Humidity)
Weight	44kg

**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	87	90	84	77	70	63	56	93	85	65
Outlet	85	89	92	85	78	73	66	59	95	87	66

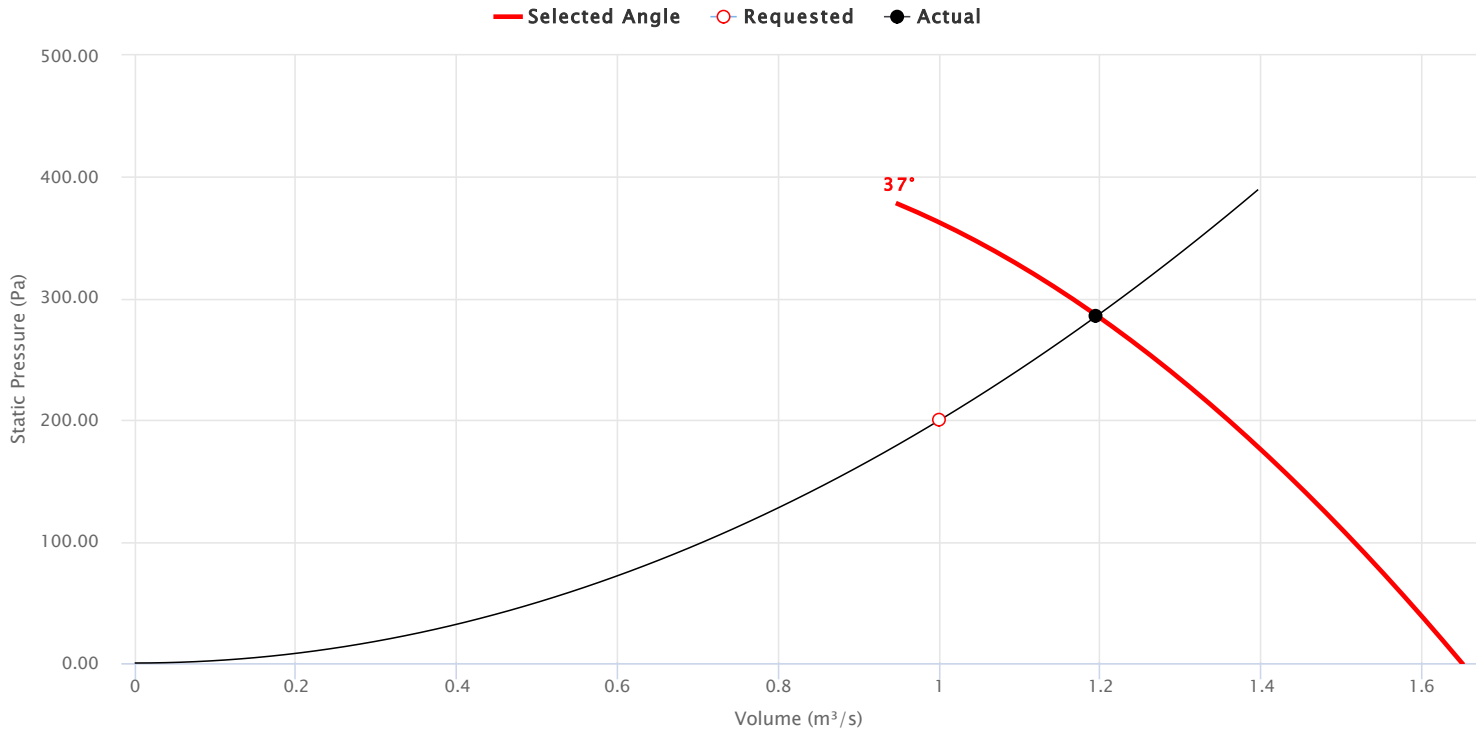
Sound Data At Requested Duty. \* Lw dB re 10<sup>-12</sup> W \*\* dBA re 2x10<sup>-5</sup> Pa

**FAN & ACCESSORIES**

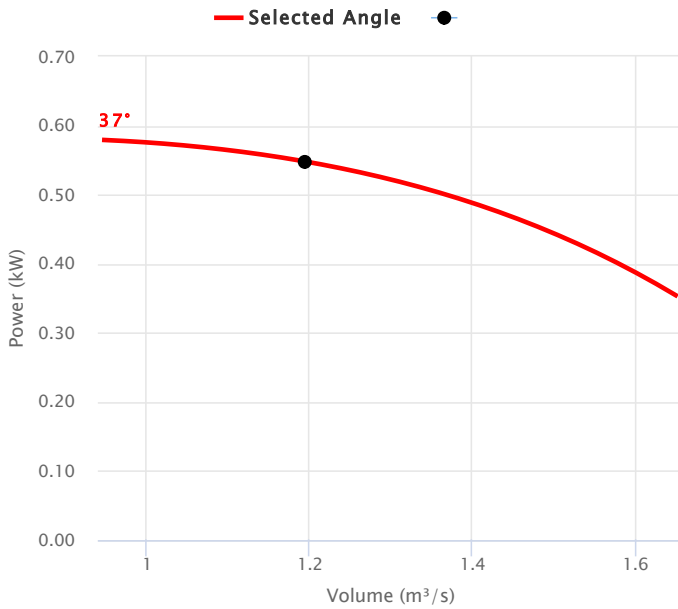
Item Description	Part Number	Qty
40-1 MaXfan2/16/4/5/37/30	EQ411463	1

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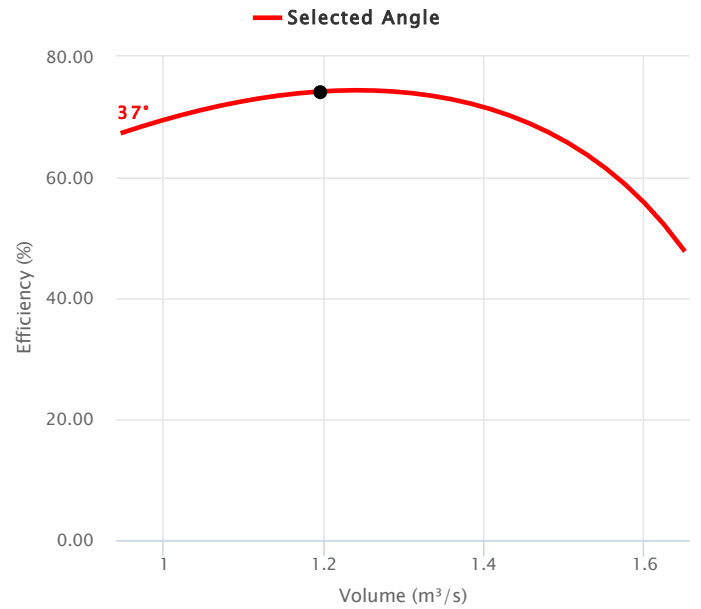
**AERODYNAMIC**



**POWER CHART**



**EFFICIENCY CHART**



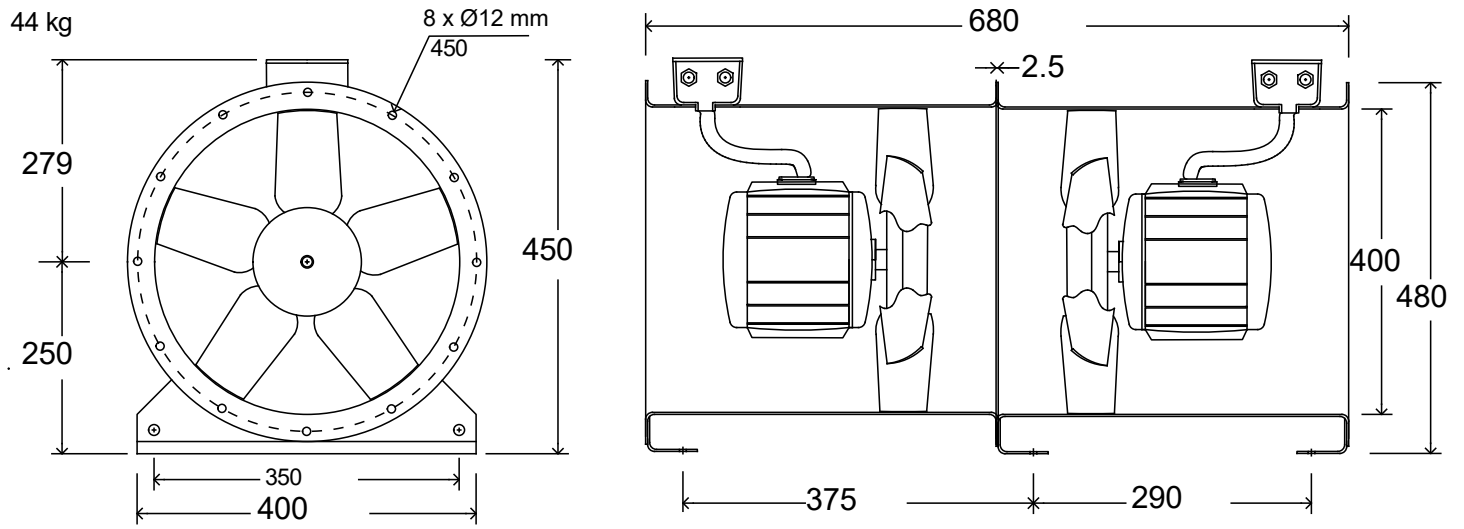
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**PRODUCT DIMENSIONS**



**ACCESSORY DIMENSIONS**

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**MAXFAN**

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**PERFORMANCE NOTES**

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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

**ACOUSTIC NOTES**

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