



500MM MAXFAN COMPAC (HIGH) SUPPLIED WITH INVERTER SPEED CONTROLLER BY FLAKT WOODS

Flakt Woods

▼ Prices & Options



Overview



Performance



Technical Details



Fan Code	50 Maxfan Compac
Fan Diameter / Size	500 Size / mm
Fan Speed	2910 rpm
Velocity	7.0 m/s
Blade Angle	16°
Installation Type / Form of Running	D / AB
Fan Casing	Long
Requested Duty	1.37m³/s @ 805 Pa (static)
Outlet Dynamic Pressure	29 Pa
Duty Shaft Power	2.08 kW
Max Shaft Power	2.35 kW
Total Efficiency	55.7 %
Motor Frame	90L [Class F]
Motor Rating	2.64 kW [IE2]
Full Load Current	9.36 A
Starting Current	52.8 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 64 (ErP Compliant 2015)
ErP [FMEG] Target	N 58
FMEG Blade Angle [Range]	0° [0° - 0°]
Measurement Category	D (Total)
VSD	N
Fan + Motor Efficiency	60.5% (2.44 m³/s @ 604 Pa)
Motor Input Power (ErP)	2.44 kW
SFP value	1.82 W/(l/s) @ Requested Duty
Power from mains	2.5 kW
Energy Consumption	7511 kWh (3000 h/year)
Running Cost / Year	£901
Air Density	1.2 kg/m³ / 20 °C / 0 m / 50% RH
Smoke Venting	Non Smoke Venting
Product Number	EJ513266

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 @ 3m**
Inlet*	92	87	96	98	96	94	89	86	103	80
Outlet*	93	87	98	98	96	94	89	87	103	80
Breakout*	83	69	76	75	71	66	67	63	85	56

* Lw dB re 10⁻¹² W
Sound data at requested duty.

** dBA re 2x10⁻⁵ Pa

Dimensions



Wiring Diagrams



PRICES & OPTIONS

Code & Description	Price
EJ513266 : 500mm Maxfan Compac (high) supplied with Inverter Speed Controller by Flakt Woods	£1,152.23 + VAT £1,382.68
BUY	

We accept :

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15% DISCOUNT WITH CODE 'WELCNFAN1'

Note: Code can only be used once per customer. Discount codes are entered after selecting shipping method.

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RELATED PRODUCTS



£18.75

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A.V.Mount (Anti Vibration Mount)

— Load range per mount 9Kg — 50Kg

Supplied in sets of 4 Anti Vibration Mounts (A.V. Mounts) attach to the bottom of Mounting Feet. A.V. Mounts are used to isolate the fan from the system to prevent vibration transfer through fixings or structures. A.V. Mounts can be used to isolate any products from the main system to prevent vibration transfer The main uses we ...



£29.54

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500mm Mounting Feet

Supplied in pairs 500mm Mounting Foot, used to fit directly to the fan as part of a full ancillary package The Mounting Foot can be used to mount the fan in the horizontal or vertical position Usually used in conjunction with Anti Vibration Mounts Can also be used to fit directly to Silencers with or without Anti Vibration Moun ...



£34.82

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500mm dia Flange

500mm dia Flange used to bolt directly to the Fan, as part of a full ancillary package or for the fan to mount inline in ducting Can also be used to fix directly to a Silencer Can also be used to fix directly to ducting Hot dipped Galvanised after manufacture

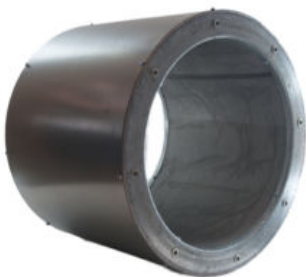


£41.76

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500mm Flexible Connection

500mm Flexible connection, used to fit to Flanges (with spigots), Silencers (with spigots) or spiral ducting. A flexible connection is used to isolate the fan from the system to prevent vibration transfer and helps minimise noise transfer through fixings or structures. It can also be used to simplify installation by bridging any small gaps b ...

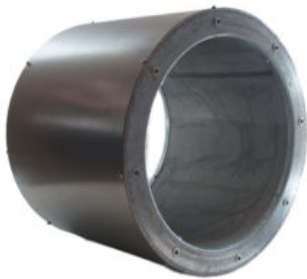


£137.32

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CDA 500 x 1D straight through Silencer

500mm dia x 500mm long straight through silencer (generally reduces a fan noise level by 7 – 10dB (A)* Can be supplied to either bolt directly to any manufacturer of cased axial or with spigots to mount inline with ducting. The addition of this silencer to a system will act in the same way a silencer does on a car, so if you've ever heard a car with n ...



CDA 500 x 2D straight through Silencer

500mm dia x 1000mm long straight through silencer (generally reduces a fan noise level by 10 – 13dB (A)* Can be supplied to either bolt directly to any manufacturer of cased axial or with spigots to mount inline with ducting. The addition of this silencer to a system will act in the same way a silencer does on a car, so if you've ever heard a car wit ...

£185.06

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500mm Louvre Shutter

A Louvre Shutter is a gravity type shutter which can be used to terminate and weather extract systems. When the fan is running the plastic blades will open allowing the air to be extracted from the system, and when the fan is not running will be closed, this helps to prevent back draughts and water ingress The shutter is commonly used to terminate ...

£129.82

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500mm dia Flange

– suits any manufacturer of fans

500mm dia Flange used to bolt directly to any manufacturer of Fans, as part of a full ancillary package or for the fan to mount inline in ducting. This flange is unique because it is designed to fix to UK and European PCD detail, meaning this flange will fix to any manufacturers fans Can also be used to fix directly to a Silencer Can ...

£28.49

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£1,641.12

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50Jm MaxFan high pressure long cased axial fan by Flakt Woods

The Flakt Woods JmMax fan axial flow extract fan range of high performance and reliability 2 stage axial flow fans This fan was introduced to satisfy ventilation systems where high pressure fans are required, where only single phase supply (240volts) is available and speed control is required ...



£1,045.56

[more](#)

500mm Maxfan Compac (Low) supplied with Inverter speed controller by Flakt Woods

Introducing the amazing NEW Flakt Woods JM Maxfan Compac the evolution of the bestselling Maxfan designed for high performance and reliability The Maxfan has been improved to offer even higher pressures and fan performance using only one motor and only one impeller (the bit that goes around) The Maxfan Compac is supplied with an Inverter spe ...

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