



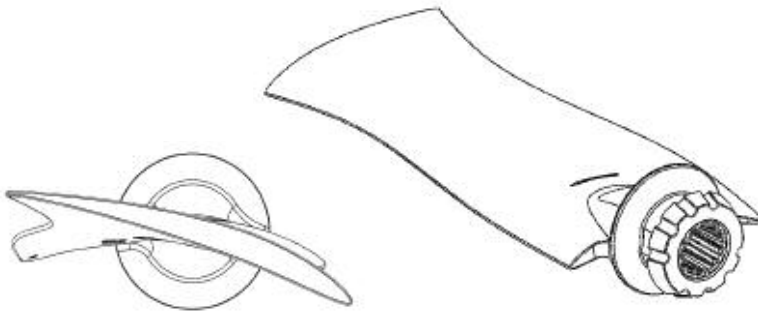
The EMAX: Multi-Wing's Highest Efficiency Blade Profile

Multi-Wing's high-efficiency EMAX4 blade profile is designed to meet the product efficiency requirements of EU Directive 2009/125/EC on ecodesign. The EMAX4's high efficiency extends the efficiency range of standard axial blade profiles. The innovative EMAX4 design also reduces noise emission by 2-3dB.

Engineered to fit Multi-Wing's existing range of hubs, the EMAX4 offers all the advantages of the Multi-Wing modular system with variable pitch angles. This unique profile is available in 5, 6, 7, 9 and 12-bladed configurations with a diameter range of 24 to 36 inches.

Contact your Multi-Wing sales engineer for more information, and visit our dedicated website: www.erpfans.eu

EMAX Profile



Dimensions (in inches)

Hub positions	Number of blades	Max. fan diameter	Hub diameter	Optimum dia. range
5	5	30.91	5.7	24 - 30
6	3	32.17	7	24 - 32
6	6	32.17	7	24 - 32
7	7	32.44	7.3	24 - 32
9	3	33.07	7.87	24 - 33
9	6	33.07	7.87	24 - 33
9	9	33.07	7.87	24 - 33
12	6	36.22	11	28 - 36
12	9	36.22	11	28 - 36
12	12	36.22	11	28 - 36

Pitch Settings

Pitch setting	Pitch with -3.5° pin	Pitch with +3.5° pin
20°	-	23.5°
25°	21.5°	28.5°
30°	26.5°	33.5°
32.5°	29°	36°
35°	31.5°	38.5°
37.5°	34°	41°
40°	36.5°	43.5°
45°	41.5°	48.5°

Design Features:

Adjustable pitch settings from 20° to 48.5°. Please refer to the Pitch Settings table.

Available in diameters between 24 to 36 inches.

Five hub sizes - 5, 6, 7, 9 and 12 - each available in a range of mounting configurations. Please refer to the dimensions table.

Materials

The hubs are pressure die cast silumin alloy (EN AC-Al Si12 Cu1 (Fe)).

The fan blades are available in PPG and PAG to suit applications with different speeds and ambient temperatures.

PPG Glass reinforced polypropylene

Temperature range: -10°C to +90°C

PAG Glass reinforced polyamide

Temperature range: -40°C to +110°C

Please observe penalty factors for temperatures above 40°C.

We reserve the right to change the manufacturing materials. The values for the mechanical properties are mean values and can be subject to variations due to the use of different suppliers.

EMAX - an ErP compliant fan

The unique EMAX profile is designed to meet the requirements of the ErP Directive. With its high-efficiency capabilities, it helps minimize power consumption of the final product.

Does the ErP Directive apply to your product?

The ErP Directive applies to energy-related products, which are produced in the EU or imported into the EU.

It applies to suppliers of individual components, to suppliers of complete fan sets, and to suppliers integrating electrical motors and fans into their products either as parts or complete fan sets.

The fan industry is affected by The Commission Regulation (EU) No 327 on fans driven by electrical motors with an input power between 0.125 kW and 500 kW, and the Commission Regulation (EU) No 640/2009 on electrical motors.

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Multi-Wing Optimiser - our fan selection software - allows users to select ErP compliant fans. The program also provides the necessary documentation.