MULTI-WING



Innovative design. Proven performance. Modular flexibility.

Product Overview

www.multi-wing.net

MULTI-WING



Airfoil Fans

Saves Power, Reduces Noise

- Customized to your specifications
- High efficiency
- Low-noise signature
- Low-power consumption
- Available in five blade materials
- Standard and custom mountings

Applications

- Cooling towers
- Engine cooling
- Heat exchangers
- HVAC
- Refrigeration



Fan Series	H	Z	W	G
Profiles	2H, 3H	3ZL, 4Z, 5Z	5W, 6W, 7W, 9W	10G
# Blades	3 – 14	3 – 16	3 – 13	3 – 8
Diameters	7" – 29" (178 – 737 mm)	16" – 49" (406 – 1245 mm)	32" – 84" (813 – 2134 mm)	60" – 108" (1524 – 2743 mm)
Applications	Cooling tower Engine cooling Heat exchanger HVAC Refrigeration	Cooling tower Engine cooling Heat exchanger HVAC Refrigeration	Cooling tower Engine cooling Heat exchanger HVAC Refrigeration	Cooling tower Heat exchanger HVAC



EMAX™ Fans



Fan Series	EMAX4™ Series
# Blades	3, 4, 5, 6, 7, 8, 9 and 12
Diameters	24.5" – 36" (622 – 914 mm)
Applications	Air-cooled condensers Chillers Cooling towers Commercial refrigeration Evaporators Heat Exchangers

Leading the Efficiency Revolution

- Up to 77 percent total efficiency
- Computer-optimized blade design
- Decreases noise by 2 to 3 dB
- Reduces energy consumption
- Customized for your specifications

Applications

- Air-cooled condensers
- Chillers
- Cooling towers
- Commercial refrigeration
- Evaporators
- Heat Exchangers



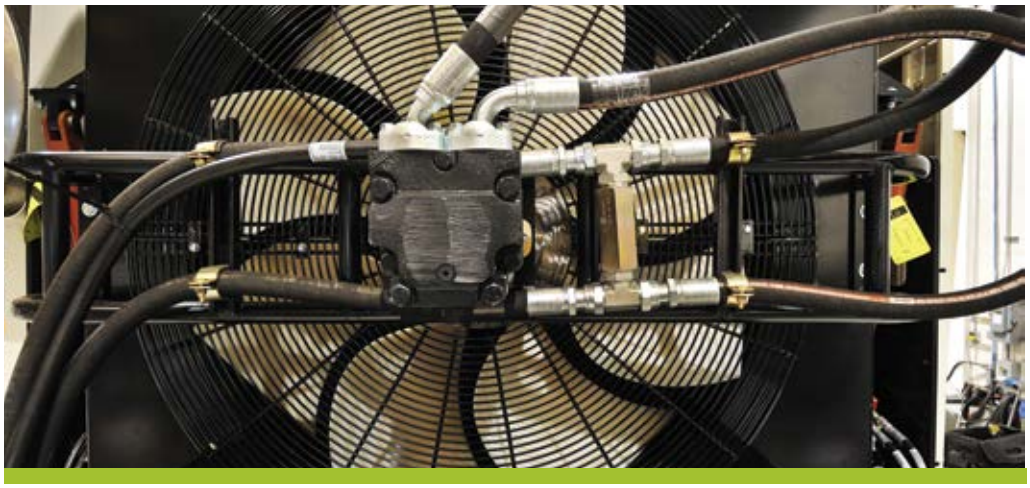
Sickle Fans

Reduces Noise by as Much as 7 dBA

- Low-noise signature
- High efficiency
- Maintains performance at lower speeds
- Large cord length and surface area generates greater pressure
- Customized to your specifications

Applications

- Condensers
- Cooling towers
- Engine cooling
- Radiators
- Refrigeration
- Ventilation



Fan Series	H	Z	W	G
Profiles	1H, 4H	1Z, 2Z, 7Z	1W, 2W, 3W	1G
# Blades	3 – 14	3 – 16	3 – 13	3 – 8
Diameters	12" – 27" (305 – 686 mm)	16" – 40" (406 – 1016 mm)	30" – 84" (762 – 2133 mm)	60" – 99" (1524 – 2515 mm)
Applications	Engine cooling Heat exchangers HVAC	Engine cooling Heat exchangers HVAC	Engine cooling Heat exchangers HVAC	Heat exchangers HVAC



PMAX3™ Fans



Fan Series	PMAX3™
# Blades	9
Diameters	17" – 25" (432 – 635 mm)
Applications	Compressor Engine cooling Generator Small- and medium-size off-road equipment

High Pressure for Restricted Spaces

- Narrow depth for restricted spaces
- High static pressure
- Minimal blade deflection
- Decreased operation noise

Applications

- Compressors
- Engine Cooling
- Generators
- Small- and medium-size off-road equipment



Aluminum Fan Blades

High Efficiency at Extreme Temperatures

- Custom-engineered impellers
- High efficiency
- Low-noise signature
- Corrosion resistant
- Low power consumption
- Adjustable and fixed pitch

Applications

- Condensers
- Evaporators
- Oil Coolers
- Radiators
- Refrigeration
- Ventilation



Fan Series	H	Z	W
Profiles	3H	2ZL, 3ZL, 4Z, 5Z	5W, 6W, 9W
- Reversing - Airfoil	-	TR7ZR, TR8ZR	TR11W
# Blades	3 – 14	3 – 16	3 – 13
Diameters	7" – 29" (178 – 737 mm)	16" – 49" (406 – 1245 mm)	36" – 77" (914 – 1956 mm)
Applications	Heat exchangers HVAC Refrigeration	Heat exchangers HVAC Refrigeration	Heat exchangers HVAC Refrigeration



True Reversible Fans



High-Efficiency Airfoil in Both Directions

- High-efficiency
- Equal airflow in both directions
- High pressure
- High airflow
- Customized to your exact specifications

Applications

- Brick drying
- Food processing
- Ventilation
- Wood drying/kilns

Fan Series	Z	W
Profiles	TR7Z, TR8Z	TR11W
# Blades	3 – 16	3 – 13
Diameters	12.8" – 46" (325 – 1168 mm)	18.7" – 63" (475 – 1600 mm)
Applications	Food processing Ventilation Wood drying	Food processing Ventilation Wood drying

MULTI-WING



Broad Paddle Fan

The Answer for Low-Speed Performance

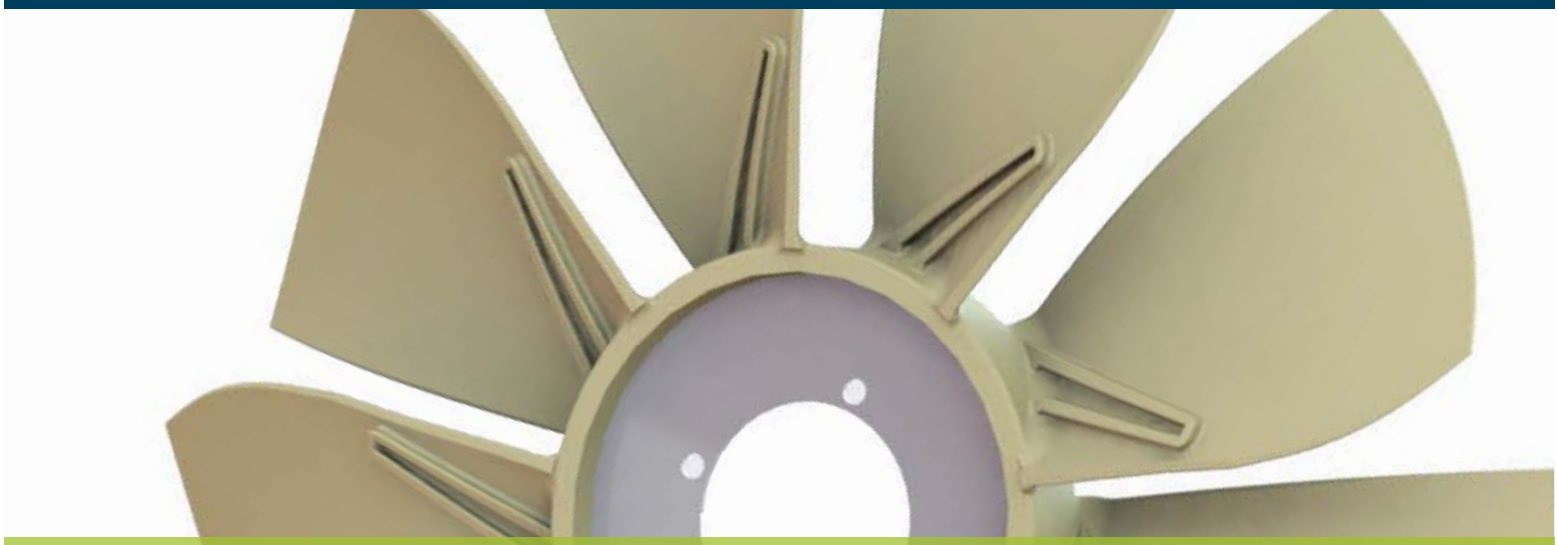
- Low-noise signature
- High airflow
- Maintain performance at lower speeds
- High solidity due to a large chord length
- Customized to your exact specifications

Applications

- Chillers
- Condensers
- Cooling towers
- Refrigeration
- Ventilation



Fan Series	M	D	W
Profiles	8M	8D	8W
# Blades	4	2 or 4	3 – 13
Diameters	10" – 20" (254 – 508 mm)	12" – 26" (305 – 660 mm)	24" – 65" (610 – 1651 mm)
Applications	HVAC	HVAC	HVAC



One-Piece Molded Fans



Optimized Performance for High-Volume Projects

- Ultimate tailor-made, air-moving solutions
- Designed using the most advanced technology in the market
- Extensively tested to determine the ideal configuration
- Improves efficiency by 5 percent



Increasing Arc Fans

High Performance in Challenging Environments

- Lightweight: Half the weight of steel
- Lower moment of inertia means reduced wear on fan drives
- Hydraulic and clutch mounts available
- Customized to your exact specifications

Applications

- Construction equipment
- Crane
- Emergency vehicle, bus and motor coach
- Engine power unit
- Generator
- Turf maintenance equipment



Fan Series	H	Z
Profiles	6H	6Z
# Blades	3 – **1**4	3 – 16
Diameters	7" – 29" (178 – 737 mm)	24"– 49" (610 – 1245 mm)
Applications	Engine cooling	Engine cooling



MxFlo Fans



Mixed-Flow Fan with Modular Flexibility

- Peak efficiency at higher pressure
- Built for orifice plate inlets with larger tip clearances
- Combined axial and radial airflow pattern moves air around the engine

Applications

- Off-highway equipment

Fan Series	MxFlow
# Blades	6, 9
Diameters	21.5" – 29" (546 – 737 mm)
Applications	Engine cooling



EPS™ Fan Blade Extension

Closing the Gap for Better Performance

- Bristles on the end of each blade
- Closes the gap between the shroud and the fan tip
- Minimizes turbulence in the blade
- Improves fan performance and reduces noise





Get the Fan Selection App.

MULTI-WING OPTIMISER

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