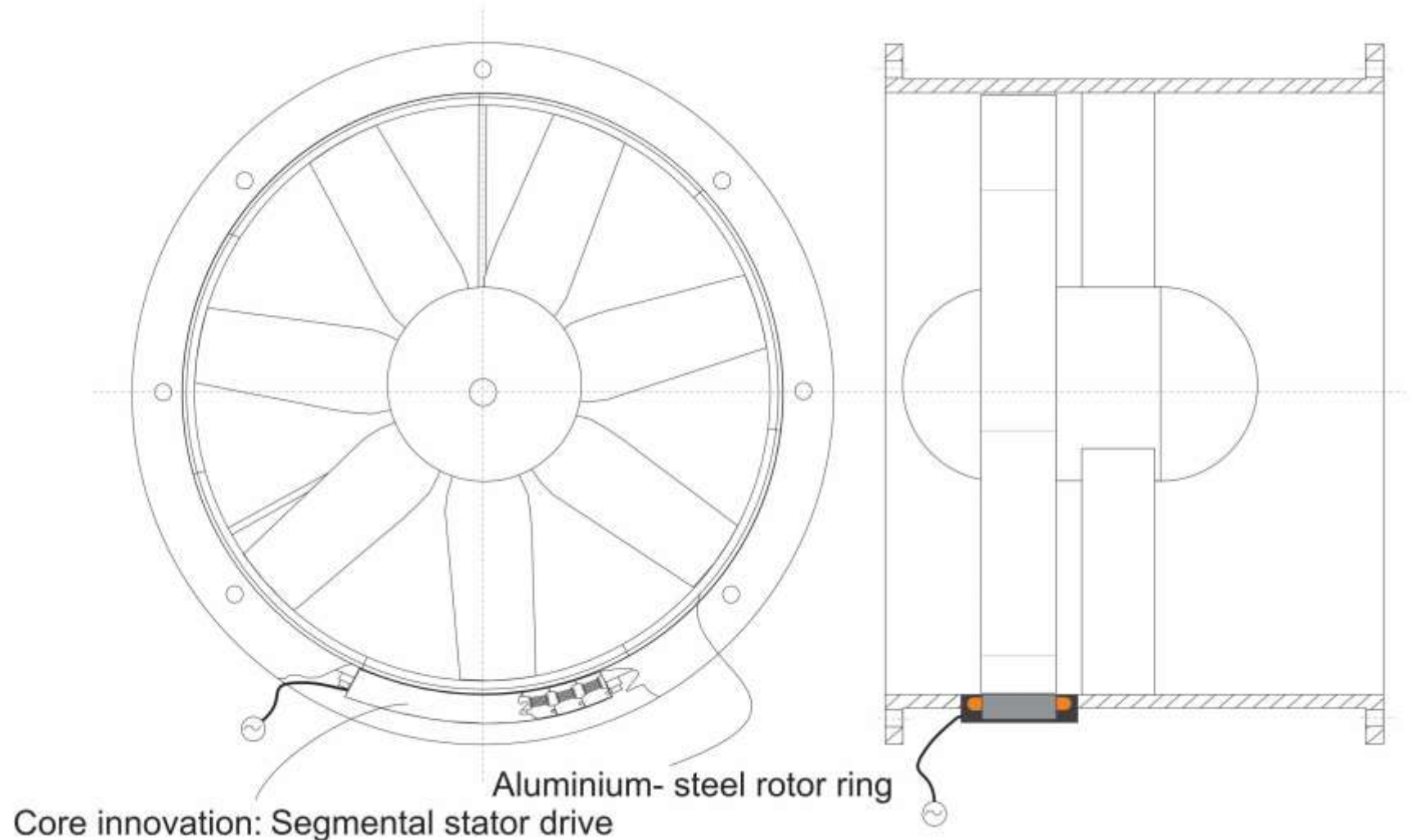


9× LOWER ENERGY CONSUMPTION

A New Electromagnetic Drive Concept for Industrial Fans



Applying the electromagnetic leverage principle



Advantages

- Large electromagnetic leverage radius
- Up to 9× lower energy consumption
- Cold operation – minimal thermal stress
- Simple modular architecture



Conventional motor limitations

- Small effective leverage radius
- Energy consumption increases with RPM
- Heat accumulation in motor housing
- Higher mechanical stress

"Comparative data: Conventional Central Drive vs. IKM Peripheral Segmental Drive"



Technical Comparison:

Feature	Conventional Motor	IKM Peripheral Drive	Benefit
Force Application	Central Hub (R50mm)	Outer Rim (R400mm)	8x Greater Leverage
Torque Efficiency	High Internal Friction	Direct Rim Action	Lower Heat Loss
Power @ 2300 RPM	27.00 kW	3.375 kW	87.5% Energy Saving

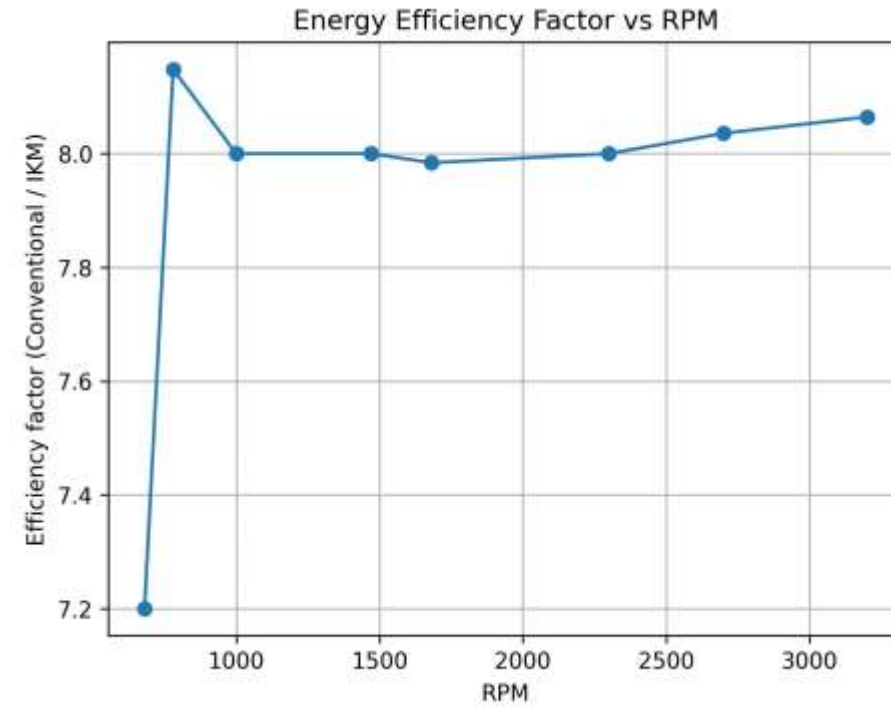
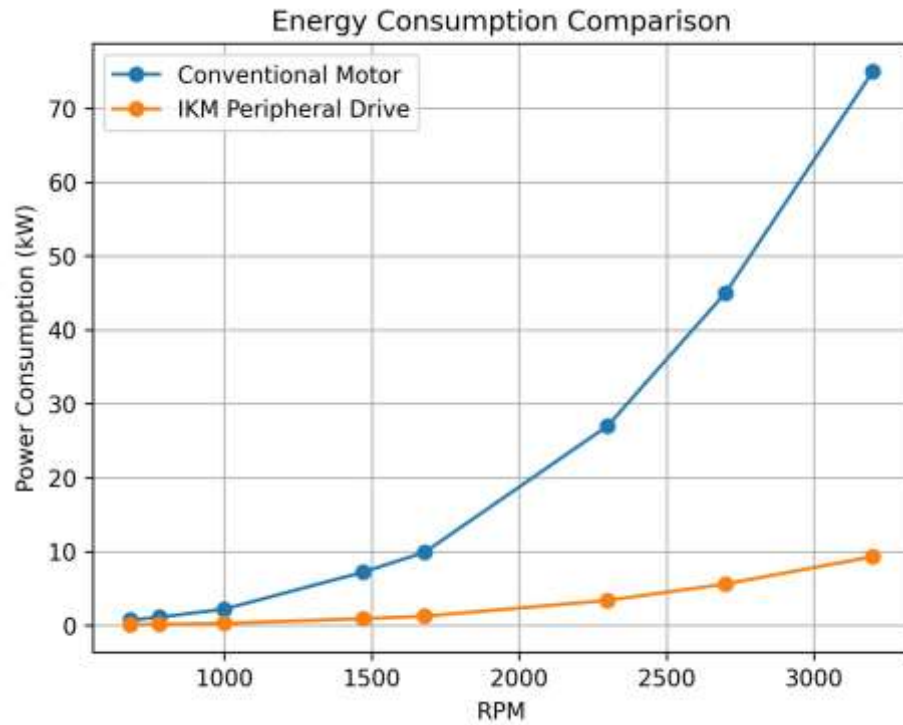
EU Industrial Axial Fans: 2025 Market Impact Potential

(Based on EU Ecodesign Baseline 2024/1834)

Parameter	Conventional Drive (Current EU Baseline)	IKM Peripheral Drive (Projected Impact)	Efficiency Gain
Annual Energy Consumption	281 TWh	~35 TWh*	~87% Reduction
Annual Electricity Cost	€53.4 Billion	€6.7 Billion	€46.7 Billion Saved
CO2 Emissions (MtCO2e)	45.0 Million Tons	5.6 Million Tons	39.4 Million Tons Saved

**Based on comparative test data: 3.375 kW (IKM) vs 27.00 kW (Conventional) @ 2300 RPM (Free Flow Mode).*

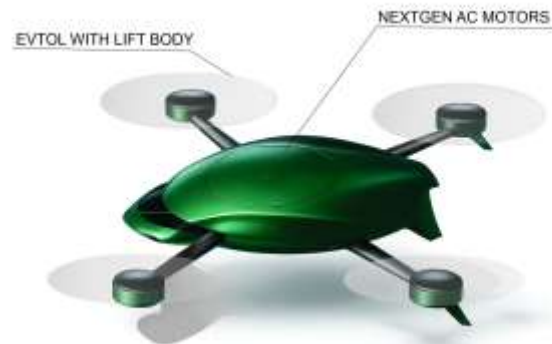
KEY RESULT 7-9× LOWER ENERGY CONSUMPTION COMPARED TO CONVENTIONAL CENTRAL DRIVE



IKM Peripheral Segmental Drive vs Conventional Central Drive

Electric aircraft propulsion

Industrial ventilation



Marine electric propulsion



CONCLUSION & BUSINESS MODEL

FUNCTIONAL PROTOTYPE DEVELOPED AND VALIDATED

- Functional prototype successfully developed and tested
- Significant energy efficiency advantage demonstrated
- Scalable concept for industrial and propulsion systems

COMMERCIALIZATION MODEL

Product sales

- Industrial ventilation systems
- Marine electric propulsion units
- Specialized propulsion systems

COMMERCIALIZATION MODEL

Product sales

- Industrial ventilation systems
- Marine electric propulsion units
- Specialized propulsion systems

INVESTMENT OPPORTUNITY

Primus Trade d.o.o. – Slovenia

Industrial partner and project representative

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Phone: +386 41 373 272

PROJECT REPRESENTATIVE

Primus Trade d.o.o. – Slovenia

Industrial partner and project representative

Prototype available for demonstration and further industrial testing.



THANK YOU FOR YOUR ATTENTION

Reducing energy consumption for a cleaner planet.