



FCMB-5

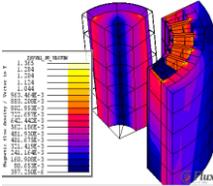
Fuel Cell Micro Blower 5kW

- Speed : 110,000 RPM
- Pressure Rate : 1.67
- Mass Flow : 74.5 g/s
- Compact size with PMSM
- Oil-free with Air Foil Bearing
- Low vibration and noise
- High-efficiency
- Gear-less



High-efficiency Impeller with Dynamic Design

Our impeller ensures consistent and stable high-efficient performance. (0.001mm precision machining) The excellent surface finishing and hard anodizing coating are applied to sustain chemical contamination and corrosion



High-efficient & Permanent Magnet Motor

The PM motor is confident enough to perform over 95% efficiency, and is equipped with a cooling system, which is superior to ordinary motors. Based on 20 years of PM motor designing and manufacturing experiences, Turbowin is capable of designing the high speed, permanent magnet motor.



Air Foil Bearing

100% Oil-less air foil bearing system supplies pure air without mechanical friction noise and vibrations. Also, it has a semi-permanent product life cycle. The air foil bearing is the best solution for high-speed motors because of its simplicity and capability of high temperature operation compare to oil bearing systems.

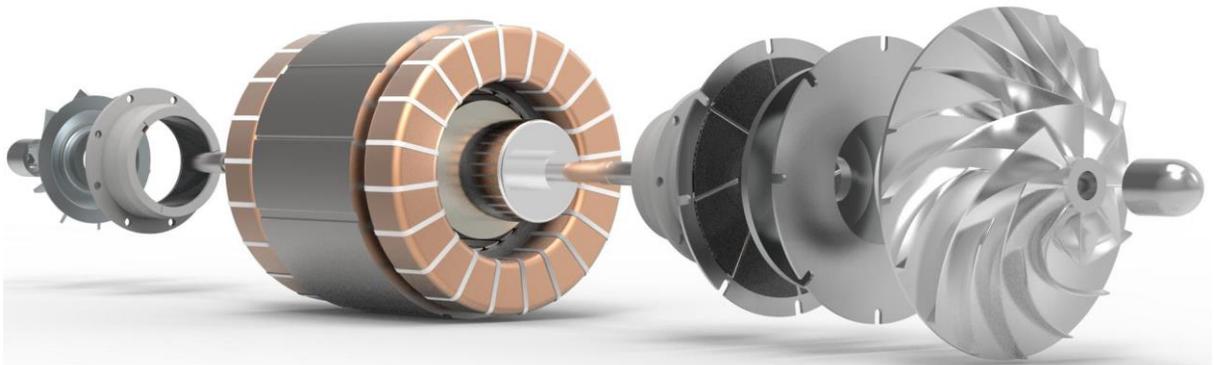


Variable Speed Drive

Turbowin provides own inverter to operate high speed PM motors for high-efficiency and accurate operation

Why Turbowin?

WORLD'S 1st TURBO BLOWER INVENTOR AND CERTIFIED R&D EXPERTS WILL GUARANTEE BOTH EFFICIENCY AND EFFECTIVENESS FOR YOUR LIFE.



The above illustration presents internal composition image of assembly - PM motor, air foil bearing, and impeller

A group of experts, who have developed and dedicated turbo machinery for more than 20 years, leads and manages Turbowin. The company is leading the next-generation environmental industry, based on direct-coupled and eco-friendly turbo technology. Furthermore, our products guarantee better quality of life based on oil-less technology and high-efficiency energy saving technology using Air Foil Bearing. Turbowin provides the best solution for various industries around the world with the most diverse product portfolio.

Our turbo machines are integration of exceptional R&D experiences and ingenious patented technology. We serve more than 2 Billion people in more than 50 countries around the world.

Certifications and Patents and Awards

Domestic Certifications	20
International Certifications	17
Domestic & International Patents	18
Awards	7



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