

Fuel Cell Air Supply



Key features

- Compact and flexible design: Single-Stage / Dual-Stage / Expander-Stage
- High efficiency Permanent-Magnet-Synchronous-Machine (PMSM)
- Wide operating range
- Specification can be adapted to fit customer requirements
- Suitable for various applications
- Liquid cooling
- Aerodynamic oil-free bearing system
- High speed, high power density electric motor
- CAN 2.0 interface
- IP67 enclosure

Pankl Turbosystems GmbH (PTSYS) located in Mannheim, Germany is a subsidiary of Pankl Racing Systems AG, Austria. PTSYS is a high-tech custom solution provider in the field of innovative electrified turbomachinery and air management solutions for automotive, aerospace and industrial applications. PTSYS' leading-edge electrified solutions are fitted with high-efficiency permanent magnet synchronous motors and integrated power electronics. Pankl Turbosystems GmbH's Fuel Cell Air Supply (FCAS) systems for next generation high-performance fuel cells from 30kW to over 300kW are recognized for their weight/size-to-performance ratio and are optimized for highly dynamic transient response and start-stop operation.

Fuel Cell Air Supply

Type	FCAS2	FCAS3
Nominal voltage: 400V	●	●
Nominal voltage: 800V	●	●
22 kW PMSM	●	
35 kW PMSM		●
Single-Compressor Stage	●	●
Dual-Compressor Stage	●	●
Expander Stage	●	●
Extern inverter	●	●

Pankl reserves the right to change specification without notice. The data may change according to the configuration

