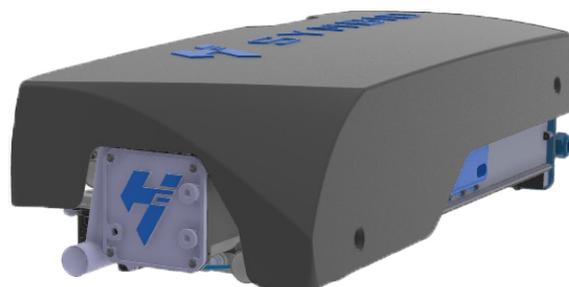


The H2Motive StackPack 75 is a compact fuel cell solution designed for performance, high efficiency, and has low heat rejection. Its advanced technology and versatile control strategy delivers optimized performance and durability for each application. StackPack 75 is fully compliant with applicable regulations and the ISO 26262 standard.



EFFICIENCY

BEST IN-CLASS OPERATING COST

Our ambition is to always deliver the most fuel-efficient system on the market to minimize hydrogen consumption in operation.



COMPACTNESS

BENCHMARK POWER DENSITY

With 1,03mm cell pitch, we offer the most compact system ever. This facilitates integration in your current engine bay with low vehicle architecture impact.



COOLING

LOW HEAT REJECTION AND HIGH OPERATING TEMPERATURE

Our StackPack is easy to cool and requiring less on-board cooling capacity.



MONITORING

FLEXIBLE AND CUSTOM REMOTE MONITORING

Either Symbio or vehicle telematic gateway can be used interchangeably to suit your needs. Fleet monitoring solutions are tuned for each customer.

MOBILITY APPLICATIONS

StackPack 75 covers a wide range of automotive applications, medium duty trucks and city buses.

SERVICE

Symbio offers a wide range of services for OEMs & fleet operators for the deployment and maintenance of their vehicles, ensuring maximum uptime. The services include regular or predictive maintenance, remote monitoring via software or applications. Connectivity can be achieved through vehicle telematic gateway or Symbio connectivity platform depending on vehicle architecture.

PRODUCT SPECIFICATIONS

| | |
|---|--|
| Power (net) ¹ | 75 kW |
| Stack power density | 4.9 kW/liter |
| Voltage, output range | 450 - 850V / 250 - 450V |
| Current, max output | 340 A |
| Durability | 20,000 hours (Heavy Duty) / 7,000 hours (Light Duty) |
| Control interface | CAN 2.0 (CAN FD compatible) |
| Dimensions (length x width x height) ² | 810 mm x 450 mm x 300 mm |
| Weight (dry) ³ | 80 kg |
| Coolant outlet temperature, max | 85 °C |
| Environmental protection | IP69K |
| Regulations | UN ECE R10, UN ECE R100, UN ECE R134, UN GTR13 |
| Safety standard | ISO 26262 |

¹ Power delivered by the complete fuel cell solution to the DC bus.

² Stack and fluid management system, with housing.

³ Does not include air compressor, coolant pump and DCDC converter.

ABOUT SYMBIO

Symbio - a Michelin-Faurecia company - is your key partner for automotive and commercial vehicle fuel cell systems.

Symbio designs, develops, validates and manufactures hydrogen fuel cell power systems. Symbio has unique expertise with automotive production standards, and offers a complete range of compact StackPack systems from 40 to 300kW.

H2Motive product range covers passenger car, light commercial vehicle, bus, coach, pick-up truck, medium to heavy duty truck applications. Symbio is developing its manufacturing footprint with Europe largest fuel cell factory system starting operations in 2023, with target annual production of 200,000 StackPack by 2030.



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