

The H2Motive StackPack 150 is a compact fuel cell solution designed for high efficiency and low heat rejection. Our advanced technology and versatile control strategy delivers optimised performance and durability for each application. StackPack 150 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

StackPack 150 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 150 covers a wide range of pick-up trucks, medium to heavy duty trucks, buses and coaches.

SERVICE

Symbio offers a wide range of services for OEMs & fleet operators for the deployment and maintenance of their vehicles, ensuring maximum uptime availability. 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	150 kW
Stack power density	4.9 kW/liter
Voltage, output range	450 - 850V
Current, max output	340 A
Durability	20,000 hours
Control interface	CAN 2.0 (CAN FD compatible)
Dimensions (length x width x height) ²	880 mm x 450 mm x 500 mm
Weight (dry) ³	140 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's largest fuel cell factory starting operations in 2023 and with target annual production of 200,000 StackPack by 2030.



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