



HYZON HEAVY TRUCKS

## HYZON HYMAX-500



**46t Zero Emission 6x4 Prime Mover**

**Supplied as cab/chassis Fuel Cell Electric Truck**

**Powered by Hydrogen**

## VEHICLE DETAILS

HYZON HYMAX-500

**Delivery time:** -12 months from Confirmed PO.

**Delivery:** EXW Groningen, the Netherlands.

### Specifications Hydrogen Electric powertrain:

- Power electric motor: ZEV; 300 kW continuous (500 kW peak)
- High voltage battery capacity: 150 kWh
- System voltage: 400 Volt
- Fuel cell power: 200 kW continuous
- **On board hydrogen mass:** 45 kg (65kg optional)
- **Hydrogen Working pressure:** 350 bar
- **Expected driving range:** 400 km (600km on 65kg)
- Fuel Economy (Loaded) 11km/kg H<sub>2</sub>

### Chassis summary\*:

- Cab version Cab-Over Day
- Cab suspension Air suspended
- Cab open Electric tilt
- Co-driver seat Basic
- Chassis Length 6,650 mm
- Chassis Width 2,490 mm
- Chassis Height 3,439 mm
- Adaptive cruise control Included with FCW and AEBS\*<sup>1</sup>
- Lane departure warning system Included
- Front tyre details 315/80R 22.5 Steel
- Rear tyre details 315/80R 22.5 Steel
- Gearbox/Gears Automatic gearbox, NS
- Wheelbase 3.1 M
- Battery box and spare wheel carrier Vertical battery box left, no spare wheel carrier
- Corrosion Warranty 3 years full warranty
- Vehicle warranty 1 year full warranty
- **Fuel Cell Warranty** 10,000 hours

\*Detailed specifications can be discussed and tailored to meet customer needs.

\*<sup>1</sup> Forward Collision Warning and Advanced Emergency Braking System

*Hyzon is constantly upgrading its vehicle design to use the best technology available.*

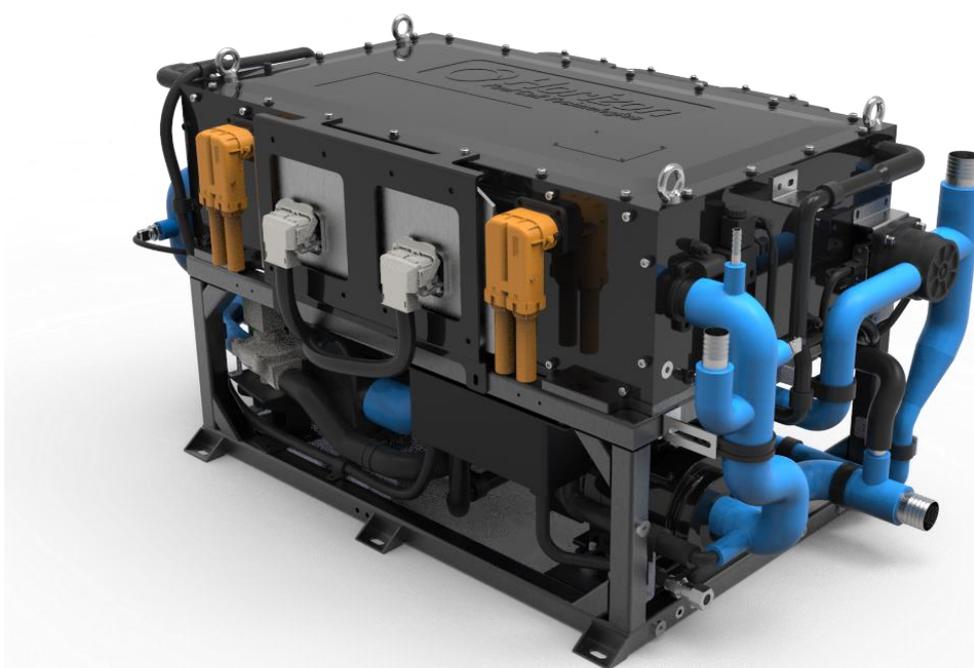
*Hyzon Motors reserves the right to modify the specifications in this document at any time.*

## ELECTRIC POWERTRAIN

The electric powertrain powering the HYZON HyMax-500 uses has been specifically designed for heavy usage and developed with multiple applications in mind.

The HyMax-500 uses a strong 500 kW peak electric motor connected to an Allison gearbox. This makes it possible to use gearbox PTO (Power Take Off) for any super structures such as refuse collection, sewer cleaning, box trucks, and many more.

The 150 kWh battery has been specific designed to be used as a backup power source and can be used when the vehicle is idling to power all accessories for extended periods of time.



## HYDROGEN POWERTRAIN

The Hydrogen powertrain at the heart of the HYZON HyMax-500 uses a 200 kW Fuel Cell system that is equipped with the latest Horizon fuel cell technology to deliver maximum power at a higher efficiency than competing fuel cells. The 200 kW fuel cell system ensures the HyMax-500 can be run at 100% of operating requirements on hydrogen without draining the batteries. The cell always delivers the right amount of power for maximum energy efficiency.

The Fuel Cell system is supplied by a 45 kg Hydrogen storage system which placed behind the cabin of the truck for ease of maintenance and safety. This location ensures the storage system is safe from impact in collisions. The hydrogen storage system has a working pressure of 350 bar with a worldwide standard receptacle for refuelling. **The 45 kg hydrogen can be refuelled in less than 15 minutes at a Hydrogen refuelling station and gives you an expected driving range of 400 km.**

## VEHICLE CERTIFICATION

The vehicles that HYZON Motors Europe manufactures are manufactured with the highest possible standards undergo thorough factory acceptance tests before delivery. The vehicles are certified by the European certification bureau.

All our vehicles are also tested for EMC so that the safety of the electrical system can be guaranteed

## HYZON MOTORS SERVICES



### Leasing

HYZON Motors offers a full operational or financial lease service for its vehicles so you as a customer can choose what suits your business best the vehicles can be leased including or excluding maintenance.



### Service & Maintenance

HYZON Motors uses a certified dealer network so we can assure that the vehicles can be maintained and serviced close by your company. So you will experience as little down time as possible.



### Helpdesk

We have set up a helpdesk for questions about your vehicle and / or reporting a malfunction so that your operators and you as a customer can always contact us if something is wrong with your vehicle.



### Online cloud data logger

All vehicles that HYZON Motors Europe builds are standard equipped with an Online cloud data logger so that your vehicle can be read remotely in case of malfunction, but preventive maintenance can also be predicted so that you experience as little downtime as possible with your hydrogen powered vehicle.

# HYZON

*ZERO EMISSIONS  
ZERO COMPROMISE*

**HYMAX-500 AVAILABLE FOR ORDER... NOW!**



# HYZON

MEDIUM DUTY TRUCKS

## HYZON HYMAX-160-24



**24t Zero Emission 6x2 Truck**

**Supplied as cab/chassis Fuel Cell Electric Truck**

**Powered by Hydrogen**

## VEHICLE DETAILS

### HYZON HYMAX-160-24

Delivery time: 10-12 months from Confirmed PO.

Delivery: EXW Groningen, the Netherlands.

### Specifications Hydrogen Electric powertrain:

- Power electric motor: 160 kW continuous (250kW peak)
- High voltage battery capacity: 70 kWh
- System voltage: 400 Volt
- Maximum speed: 100 km/h
- Fuel cell power: 100 kW continuous
- **On board hydrogen mass:** 30 kg
- **Hydrogen Working pressure:** 350 bar
- **Expected driving range:** 400 km

### Chassis summary\*:

- CAB version Day Cab
- Cab suspension Cab suspension mechanical
- Cab colour White
- Driver seat Air suspended
- Co-driver seat Basic
- Chassis Length 11,280 mm
- Chassis Width 2,470 mm
- Chassis Height 2,880 mm
- GVM 23,500 kg
- Adaptive cruise control Included with FCW and AEBS\*1
- Lane departure warning system Included
- Front axle Front: 7.50 t, parabolic, 152N
- Rear axle Rear: 1x 20.00 t, air suspension, SR1132
- Tyre Brand Goodyear
- Front tyre details F1, 295/80R22.5GO KMAXS2 154/149 M Steering CB74-2
- Rear tyre details R1, 295/80R22.5GOto KMAXD2 152/148 M Traction DC72-1
- Gearbox Automatic gearbox, NS-Tronic
- Wheelbase / rear overhang 6,900 mm / 3,000 mm
- Battery box and spare wheel carrier Vertical battery box left, no spare wheel carrier
- Vehicle warranty 1 year full warranty
- **Fuel Cell Warranty** 10,000 hours

\*Detailed specifications can be discussed and can be tailored to the customer need.

\*1 Forward Collision Warning and Advanced Emergency Braking System

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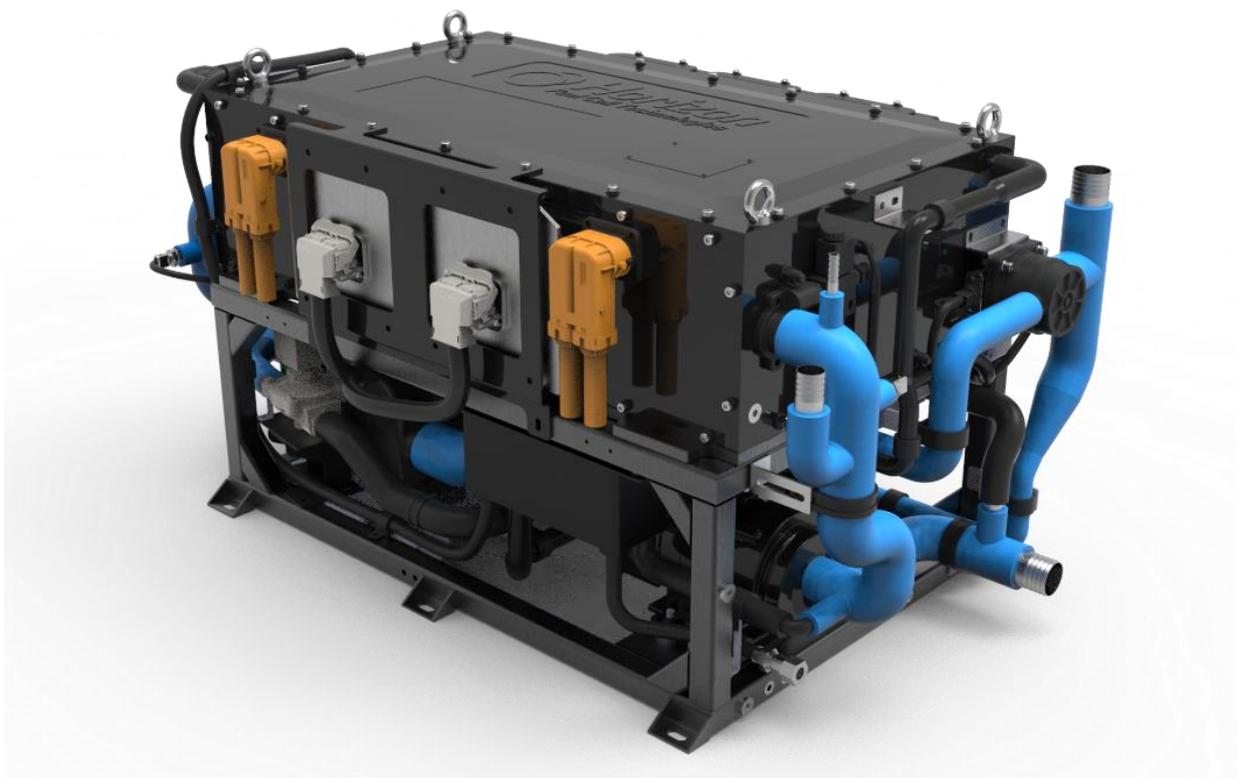
## ELECTRIC POWERTRAIN

The electric powertrain powering the Hyzon HyMax-160 uses has been specifically designed for heavy usage and developed with multiple applications in mind.

The HyMax-160 uses a strong 160 kW electric motor connected to an Allison gearbox. This makes it possible to use gearbox PTO (Power Take Off) for any super structures such as refuse collection, sewer cleaning, box trucks, and many more. The e-motor can deliver a 160 kW continues power with peak power of 250 kW. The E-motor makes use of our 400V battery system that has a total capacity of 70 kWh.

The battery has been specific designed to be used as a backup power source and can be used when the vehicle is at a standing still (stationary) to power all accessories for extended periods of time.

The HyMax-160 has been equipped with an air compressor for braking and suspension, including an electric steering pump. The electric powertrain has also been fitted with an on-board CCS charger for the battery system so the vehicle has the option of being charged at normal EV charging points. With a maximum charging speed of 50 kW per hour and a Hybrid 2.0 Hydrogen and battery system, the HYZON HyMax-160 is a perfect fit for many locations and applications.



## HYDROGEN POWERTRAIN

The Hydrogen powertrain at the heart of the HYZON HyMax-160 uses an 80 kW Fuel Cell system that is equipped with the latest Horizon fuel cell technology to deliver maximum power at a higher efficiency than competing fuel cells. The 80 kW fuel cell system ensures the HyMax-160 can be run at 100% of operating requirements on hydrogen without draining the batteries. The cell always delivers the right amount of power for maximum energy efficiency.

The Fuel Cell system is supplied by a 30 kg Hydrogen storage system which will be placed behind the cabin of the truck for easy maintenance and safety, this location ensuring the storage system is safe from impact in accidents. The hydrogen storage system has a working pressure of 350 bar with a worldwide standard receptacle for refuelling. **The 30 kg hydrogen can be refuelled in less than 15 minutes at a Hydrogen refuelling station and gives you an expected driving range of 400 km.**

## VEHICLE CERTIFICATION

All Hyzon vehicles manufactured to the highest possible standards and undergo thorough factory quality control before delivery. The vehicles are certified by the European Certification Bureau.

All Hyzon vehicles are also tested for EMC so that the safety of the electrical system can be guaranteed.

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