

## PAUL GROUP

approx. 500 employees at 3 locations



## CERTIFICATED OEM



#### **KRAFTFAHRT BUNDESAMT**

World Manufacturer Identification & Vehicle Type Approvals (Production in accordance with EC-Policies and UN-Regulations)

ISO 9001:2015
Certificated
Quality Management System







Development of E/E Systems based on ISO 26262



Welding Process ISO 9606-1 ISO 15614-1



Gas System Installation Inspection and Gas System Inspection in accordance with BMVI Requirements

VkBl. 8/2006 S. 422 ff., DGUV Vorschrift 2 & BetrSichV



Professional work on High-Voltage Systems based on BGI/GUV-I 8686



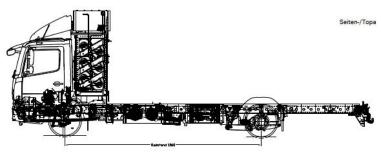
EU chemical climate protection regulation & Regulation (EG) Nr. 307/2008 based on VDA-, VDIK-, ZDK-Schulungskonzept



# PH2P®: techn. Datas 4x2

## **FAHRGESTELL**

 Atego 1523 L 4x2, Radstand 5360 (BM 967027)



## PH2P 4x2

- Hinterachsluftfederung
- · Brennstoffzelle Toyota 80 kW
- Antrieb Voith 200 kW / 310 kW peak, einstufig, Dauerdrehmoment 3100 Nm
- Batterien 120 kWh
- · 30 kg Wasserstoff, 6 Flaschen a' 5 kg, 350 bar
- Reichweite ca. 450 km solo (ohne Anhänger), je nach Fahrprofil
- · Fahrzeuggewicht ohne Aufbau ca. 8000 kg

- · Steigfähigkeit 25% (16t) / 17% (26t)
- · Achsübersetzung 6,143
- · Bremswiderstand als 3.Bremse
- Rekuperation bei Verzögerung und Bergabfahrt
- · 16 t Gesamtgewicht solo
- · 26t Gesamtgewicht mit Anhänger

### **CHASSIS**

 Atego 1523 L 4x2, Wheelbase 5360 (BM 967027)

### PH2P 4x2

- Rear Axle Air Suspension
- Fuel Cell Toyota 80 kW
- Drive Voith 200 kW / 310 kW peak, single-stage
- · Continuous Torque 3.100 Nm
- Batteries 120 kWh
- 30 kg Hydrogen, 6 Bottles of 5 kg each, 350 bar
- Range approx. 450 km solo (without trailer), depending on driving profile

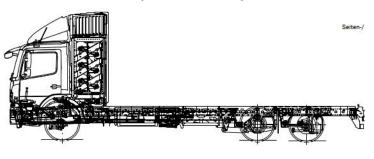
- Vehicle Weight without body approx. 8000 kg
- Gradeability 25% (16t)/17% (26t)
- Final Drive Ratio 6.143
- Braking Resistor as 3rd brake
- Recuperation when decelerating and driving downhill
- 16 t total weight alone
- 26t total weight with trailer



# PH2P®: techn. Datas 6x2

### **FAHRGESTELL**

 Atego 1523 L 6x2, Radstand 5360 (BM 967027)



## PH2P 6x2

- Hinterachsluftfederung
- · Brennstoffzelle Toyota 80kW
- Antrieb Voith 200 kW/310kW peak, einstufig, Dauerdrehmoment 3100 Nm
- Batterien 120kWh
- · 30 kg Wasserstoff, 6 Flaschen a' 5 kg, 350 bar
- Reichweite ca. 450 km solo (ohne Anhänger), je nach Fahrprofil
- · Fahrzeuggewicht ohne Aufbau ca. 8835 kg

- · Steigfähigkeit 25% (16t)/17% (26t)
- Achsübersetzung 6,143
- Bremswiderstand als 3.Bremse
- Rekuperation bei Verzögerung und Bergabfahrt
- · 22 t Gesamtgewicht solo
- · kein Anhängerbetrieb zulässig

## CHASSIS

 Atego 1523 L 6x2, Wheelbase 5360 (BM 967027)

### PH2P 6x2

- Rear Axle Air Suspension
- Fuel Cell Toyota 80kW
- Drive Voith 200 kW/310kW peak, single-stage
- Continuous Torque 3.100 Nm
- · Batteries 120 kWh
- · 30 kg Hydrogen, 6 Bottles of 5 kg each, 350 bar
- Range approx. 450 km solo (without trailer), depending on driving profile

- Vehicle Weight without body approx. 8835 kg
- Gradeability 25% (16t)/17% (26t)
- · Final Drive Ratio 6.143
- Braking Resistor as 3rd brake
- Recuperation when decelerating and driving downhill
- 22 t total weight alone
- · no trailer operation permitted



## **DATASHEET**

PH2P® Truck





## PH2P - Aftersales

Paul Hydrogen Power 4x2



## DAIMLER & PAUL

#### **Experiences from our first market Germany:**

- All units are sold with a full service contract
- Agreement with DAIMLER Truck for using service work shops für PH2P
- PAUL Academy provides training for High Voltage and Hydrogen systems, also product and service training.
- Access to spare part and documentation system.

>> This model has proven itself in practice and meets our customers expectations.

We will now implement this in other markets.

# PH2P - Partnership



## Local Partnership

**Currently we prepare a Partnership for the Netherlands** 

- Consulting
- Sales
- Aftersales
- >> Stay tuned for some news!







## PAUL HYDROGEN

**HYUNDAI - Partnership** 



### **PAUL** is authorized partner of HYUNDAI

- Hydrogen standalone Tanksystem
- Chassismodifications
- Swap bodies-solution



## PAUL HYDROGEN

**KEYOU - Partnership** (combustion engine)



## PAUL ACADEMY

**Coaching & Consulting** 

