

The new KEYOU HICE.40 – zero emission and economical at the same time

KEYOU
emission-free technology.

The smarter Way to beat Diesel



KEYOU HICE.40

Built on Daimler Actros.
Powered by H2 Engine.
Engineered by KEYOU.

Our offer for fleet operators:
€ 250.000
(Funding not included; leasing on request)

Benefit from the SWIM funding program now!

It really works: As a fleet operator, you can operate CO₂-free and cost-efficient at the same time! Benefit from the new **HICE.40** and KEYOU-inside H2 Engine and our strong partnership with Daimler Truck – chassis and base engine come from the world's leading truck manufacturer. And profit from the new SWIM funding program and attractive H2 refuelling prices. Beat diesel. We will show you how in your TCO calculation.

The KEYOU HICE.40 – the practical & robust long-haul solution:

- **H2 Engine:** 12,8 L
- **Max. power:** 350 kW @ 1,600 rpm
- **Max. torque:** 2,100 Nm @ 1,000 – 1,400 rpm
- **Configuration:** 4x2 tractor unit
- **Chassis:** Daimler Actros 1848 LS
- **Hydrogen storage:** 350 bar
- **Range:** up to 650 km
- **Refueling time:** approx. 20 minutes
- **Toll exemption:** until June 2031
- **Approved for:** ADR transports type FL (AT)
- **Payload:** unrestricted
- **Service life:** equivalent to diesel

- Available from Q4 2027 -

Be at the forefront. Secure funding.

We are happy to advise you on the vehicle, your operational profile, and funding opportunities – as well as on service & maintenance and where to refuel with affordable hydrogen!

You are welcome to get in touch with us – simply send us an email to: sales@keyou.de

KEYOU HICE.40 4X2-SEMI-TRAILER TRACTOR WITH KEYOU-INSIDE HYDROGEN ENGINE

Drivetrain

H2 Engine	KY-H2 12.8 DT (Base engine: Daimler Truck OM 471)
Engine displacement	12.8 L
Max. power	350 kW @ 1,600 rpm
Max. torque	2,100 Nm @ 1,000 - 1,400 rpm
Transmission	G 281-12/16,462-1,0; Daimler Trucks transmission with PowerShift Advanced, driving programs Economy, Power, Predictive Powertrain Control
Rear axle transmission ratio	i = 2,533
Permanent brake	Secondary Oil Retarder, Engine Brake
CO2 emissions class	5
Emissions standard	Zero emission acc. to EU regulation 1242/2019

Hydrogen Storage System

Pressure level	350 bar
Range	Up to 650 km
Filling time	Approx. 20 min

Chassis

Base vehicle	Actros 1848 LS
Frame height	Standard frame
Wheel formula	4x2
Wheelbase	4,000 mm
Rear frame overhang	1,050 mm
Empty weight	9,745 t
Gross vehicle weight (GVW)	18 t
Gross Combination weight (GCW)	40 t
Axle load distribution (front/rear, in %), empty	69/31
Axle loads front/rear axle(s), techn. permissible	8.0/13.0 t
Spring front/rear axle(s)	Air/Air
Brakes	Disc brakes on front/rear axle(s), electronic brake system with ABS, TCS
Tires and wheels - front axle	385/55 R 22.5, aluminum rims 11.75 x 22.5, Speedline
Tires and wheels - rear axle(s)	315/70 R 22.5, aluminum rims 9.00 x 22.5, Speedline
Rear axle fender	2,550 mm, three-piece mudguard, with EC splash guard

Fifth wheel coupling

Type	JOST JSK 40K, sensor-equipped (Changes possible upon request.)
Fifth wheel height	1,172 mm (Changes possible upon request.)
Fifth wheel lead	0 mm
Fifth wheel load (acc. to German axle load regulations)	8.5 t
Clearance semi-trailer tractor - trailer	417 mm
Clearance semi-trailer tractor - swing-through radius trailer	100 mm

Driver's cabin

ProCabin L, Big Space, 2,500 mm, flat floor, mirror cameras, air suspension; colour of cabin, decorative elements, equipment, aerodynamic cladding: arctic white; tinted windscreen with band filter; electro-hydraulic cabin tilt mechanism; storage compartment on left under cabin with external flap; external sun visor, transparent; electric sliding/lifting roof; Comfort driver and passenger suspension seats; comfort bed with PremiumComfort mattress and mattress topper; Noise and heat-insulated cabin; electric parking air conditioning with automatic climate control; auxiliary hot water heater; CB radio 24V, digital radio, sound system, navigation system; Truck Data Centre 8

Sensors and driving assistants

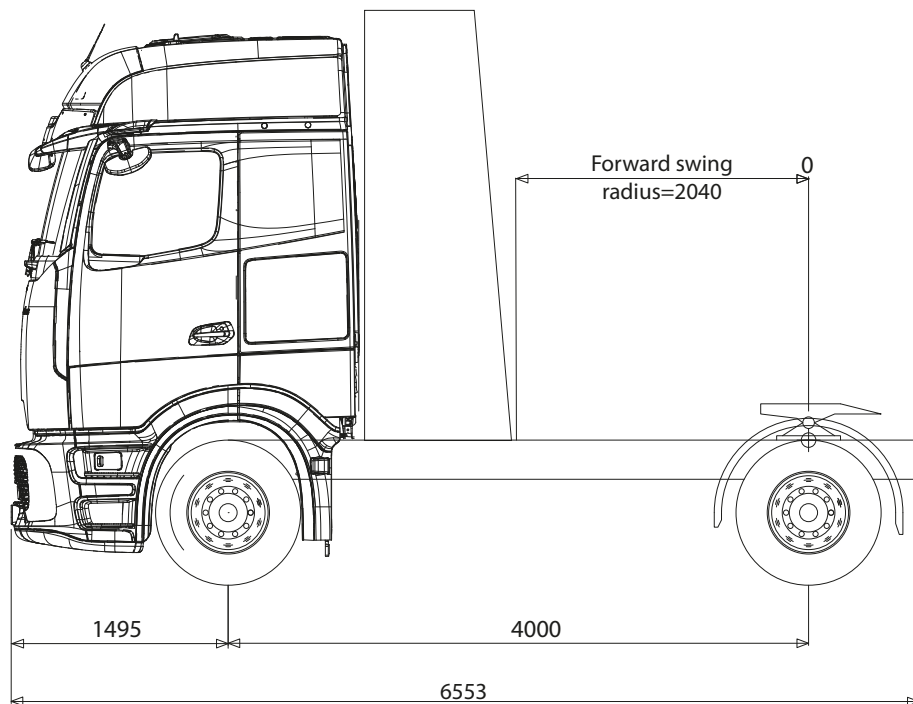
Light sensor
Attention Assistant
Rain sensor
Traffic sign assistant
Trailer Stability Assist (TSA)
Tire pressure monitoring
ABS, TCS
Active Brake Assist
Electronic Stability Program (ESP)
Frontguard-Assist
Roll Control Assistant
Active Side Guard Assist
Lane Assist
Axle load measuring system
Distance Control Assistant
Reversing alarm

Lights

LED daytime running lights
LED matrix headlights
LED rear lights
LED indicators in light signature

Others

ADR type class FL (AT)
Driver's airbag
Compressed air duster with hose
Central locking with remote control key
Fire extinguisher (6 kg), in external storage compartment
Battery switch outside the cabin on vehicle frame



Unladen	↑ 6769 { 69%}	↑ 2976	= 9745 kg
Laden	↑ 6769 { 37%}	11501	= 18270 kg
Permissible mass	8000	11500	= 18000 kg