

Boki H140, Boki H170

REFORM **R**

The new municipal professionals



Boki H140 and H170

Powerful. Economical. Versatile.
For year-round use.

REFORM. Teamwork Technology.

BOKI

H140
H170



The new municipal professionals

With the municipal equipment carriers Boki H140 and H170 REFORM presents a completely revised vehicle concept, which has been optimally designed to meet the requirements of the municipal sector.

The new Boki combine high flexibility in year-round use with optimum driving comfort and an operating concept that is as simple as it is clear. A new generation of vehicles that offers the user even more versatility, safety, comfort, user-friendliness, economy and environmental protection.

TECHNIK



4-cylinder Diesel engine
FPT F1C

Performance options:
110 kW (150 hp) 370 Nm
129 kW (175 hp) 430 Nm

Displacement 2.998 cm³

Diesel particulate filter (DPF)
Catalytic converter (SCR)
AdBlue tank 25 litres



Hydrostatic drive

Stepless drive
with ECO drive function



Special chassis

Permanent all-wheel drive
Intelligent 4 wheel steering
system with
4 steering modes



Working hydraulics
Front & Rear

Modular structure
3 pump versions
Load-Sensing-Function
Optional
High-performance pump



Boki H140/H170

Focused on
customer benefits



Versatile

The new Boki H140 and H170 can be equipped with a wide range of body options for municipal applications. The modular working hydraulics of the new Boki can be individually adapted to the customer's needs and can be easily modified and extended. 3 different hydraulic pumps - 2 of which have a load-sensing function - are available. A high-performance hydraulic pump (300 bar, 189 l/min) can also be selected.

Safe

The driver's cab shines with a newly developed layout, offers optimal all-round visibility and can be equipped with different mirror variants. The interchangeable lighting integrated in the roof ensures the best possible illumination of the driving and working area. For additional safety in road traffic, a standard underride guard has been fitted to the newly underride guard has been fitted as standard to the newly designed rear end, which meets the latest requirements in accordance with ECE-R58-03.

Comfortable

The high-quality seat variants of the new Boki H140 and H170, together with the optimally arranged controls and the powerful air-conditioning system, result in a comfortable workplace. The insulated plastic roof offers the best protection against strong sunlight and contains the antennas for FM and DAB reception in the front area. In addition, robust, freely adjustable holders for additional displays and tablets are available for the driver's cab. The high comfort standard of the new Boki is also continued in the locking system. The radio key is used for remote control of the central locking system and, in addition to the ignition lock, also fits the fuel filler cap.

SAFE CONNECT

The REFORM automatic locking system with safety and convenience function

The Boki H140 and H170 is equipped with a completely new developed feature for front implement attachment to the hitch triangle. The patented automatic locking system SAFE CONNECT allows attachments to be hitched and unhitched by one person without a second person having to stand in the danger zone between the attachment and the vehicle. Compared to conventional systems, this offers a significant increase in safety and comfort.

Learn more now:





User-friendly

The operation of the new Boki is logical and intuitive. The basis for this is the modern drive lever with integrated multifunction joystick and the clear central display. The uniform colour coding of the working hydraulics and the logical grouping of the controls complement the logical operability. In combination ergonomic armrest, the new Boki offer a user-friendly workplace user-friendly workstation, that allows fatigue-free work for many hours.

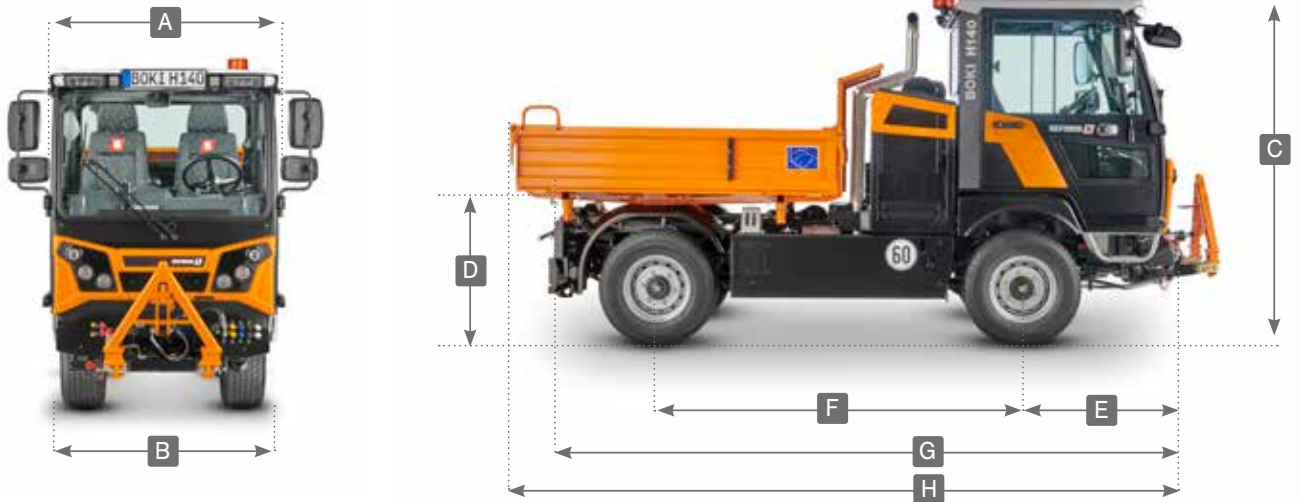
Economical

When it comes to economy, the new Boki score with easy maintenance and a modern, efficient engine. The modular design of the working hydraulics, the easily accessible battery compartment and the front wheel housing panels, which can be removed without tools. For larger maintenance jobs, the hydraulic tilting cab provides optimum access to the engine compartment. The new Boki are also ideally suited for municipal applications due to its compact width of 1,400 mm or 1,700 mm, which makes the vehicle extremely manoeuvrable in combination with the all-wheel steering. Two wheelbases of 2,400 and 2,900 mm are available.

Environmentally friendly

The diesel engines, which are as powerful as they are economical (optionally with an output of 110 kW or 129 kW), are equipped with modern exhaust gas aftertreatment (incl. DPF and SCR) as well as a large AdBlue tank with a capacity of 25 litres. In combination with the hydrostatic drive, this results in an optimal balance between power and consumption. Thanks to the load-sensing system, the modern working hydraulics call up exactly the power that is needed at the moment, thus saving fuel.

Technical data Boki H140 and H170



| Dimensions (mm) & Weights (kg) | Boki H140 | Boki H170 |
|--|-------------------------------------|-----------|
| A Maximum width | 1400 | 1700 |
| B Wheel outer width from | 1385 | 1685 |
| C Height up to roof top edge | 2220 | |
| D Height of loading platform | 990 | |
| E Length of axle / bumper | 970 | |
| F Wheelbase short / long | 2400 / 2900 | |
| G Length of bumper / lamp holder | 4080 | |
| H Length with tipper | 4080 | |
| Turning circle diameter inside from | 1910 | |
| Turning circle diameter outside from | 6390 | 6990 |
| Dead weight without Tipper from | 2900 | 2950 |
| Axle load front, up to max. | 3800 | |
| Axle load rear, up to max. | 3800 | |
| Max. perm. gross weight | 5000 - 6500 | |
| Engines | | |
| Type | FPT F1C | |
| Power / Torque / at engine speed | 110 kW / 150 hp / 370 Nm / 1320 rpm | |
| Power / Torque / at engine speed | 129 kW / 175 hp / 430 Nm / 1600 rpm | |
| Displacement | 2998 | |
| Cylinder | 4 | |
| Nominal speed rpm | 3000 | |
| Emission level | EU VI / step V | |
| Exhaust gas recirculation | ✓ | |
| DPF | ✓ | |
| SCR catalytic converter | ✓ | |
| Fuel tank, in litres | 50 | 80 |
| AdBlue tank, in litres | 25 | |
| Electrical system | 2 x 75 Ah | |
| Alternator Ah | 140 | |
| Drive / Chassis | | |
| Inching Pedal | o | |
| Hydrostatic drive, ECO-Drive, reinforced version (30% more tractive power) | ✓ | |
| Permanent all-wheel drive with self-locking differential | ✓ | |

*Country-specific deviations possible

| | |
|---|----------------------------|
| 2-speed reduction gearbox, electro-hydraulic gearstick | o |
| Speed kph* | 40/45/50/60/62 |
| Differential lock, self-locking rear | ✓ |
| Differential lock, electro-hydraulically operated rear | o |
| Front axle steering with hydraulic steering assistance | ✓ |
| 4 wheel steering system with 4 steering modes | o |
| Electrohydraulic rear steering | o |
| Crab steering | o |
| 4 wheel steering | o |
| 4 wheel disc brakes with brake booster | ✓ |
| 4-channel ABS with integrated electronic traction control | o |
| Hydraulic spring brake | ✓ |
| Front and rear leaf spring suspension | ✓ |
| Suspension lock | o |
| Tyre variants | |
| 225 / 75 R 16 C | ✓ |
| 265 / 75 R 16 | o |
| 285 / 65 R 16 | o |
| 315 / 55 R 16 | o |
| Cab | |
| Steel cab, tinted windows | ✓ |
| KTL-coated cab | ✓ |
| Tilting cab | ✓ |
| 3-speed fan heater | ✓ |
| Air conditioning | o |
| Radio with CD player, Bluetooth-enabled | o |
| Heated windscreen | o |
| Electrically adjustable and heated rear-view mirrors | o |
| Parking heater | o |
| Comfort seat, cloth cover (for driver's seat) | ✓ |
| Comfort seat, leatherette protective cover | o |
| Comfort seat, air-cushioned | o |
| Changeable lights LED | o |
| Front LED working light | o |
| Rear LED working lights | o |
| LED Rotating warning light | o |
| Working hydraulics & Linkages | |
| Gear pump 22 ccm Volume flow maximum 57 l/min, working pressure maximum 200 bar | ✓ |
| Load sensing 35 ccm Volume flow maximum 105 l/min, working pressure maximum 250 bar | o |
| Load sensing 45 ccm Volume flow maximum 135 l/min, working pressure maximum 300 bar | o |
| High performance hydraulics 63 ccm Volume flow maximum 189 l/min, working pressure maximum 300 bar | o |
| Control functions double-acting Front | up to 5 DE |
| Float positions Control functions Front | up to 3 |
| Proportional Control functions Front | up to 2 |
| Lift and lower vibration damping, lift and lower lateral displacement | o |
| Front linkage with coupling triangle Cat. I | o |
| Front linkage with alternative mounting plates | o |
| Front linkage with fixed mounting plate / lift an lower | o |
| Control functions double-acting rear | up to 2 DE |
| Float positions Control functions rear | up to 2 |
| Proportional control Rear functions | up to 2 |
| Power Beyond with own pressure, tank and load-sensing connection | o |
| Unit drives with 80 l/min and up to 300 bar | up to 3 hydraulic circuits |

| | |
|------------|------------|
| Standard ✓ | Optional o |
|------------|------------|

Illustrations partly show optional equipment.
Subject to technical changes and printing errors.

REFORM. Teamwork Technology.



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