

Boki H140

**REFORM** **R**

The new municipal professional



## **Boki H140**

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

REFORM. Teamwork Technology.

# BOKI

## H140



## The new municipal professional

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

The new Boki H140 combines 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.

# Boki H140 TECHNOLOGY



**4-cylinder Diesel engine  
FPT F1C**

**Performance options:**

**95 kW (130 hp) 430 Nm  
110 kW (150 hp) 370 Nm  
129 kW (175 hp) 430 Nm**

**Displacement 2.998 cm<sup>3</sup>**

**Diesel particulate filter (DPF)  
Catalytic converter (SCR)  
AdBlue tank**



**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**

**4 pump versions**

**Load-Sensing-Function**

**Optional  
High-performance pump**

# Boki H140

Focused on  
customer benefits



## Versatile

The new Boki H140 can be equipped with a wide range of body options for municipal applications. A well thought-out modular, front and rear block enables the greatest possible flexibility for the most diverse types of operation. The modular working hydraulics of the new Boki H140 can be individually adapted to the customer's needs and can be easily modified and extended. 4 different hydraulic pumps - 3 of which have a load-sensing function - are available. Optionally also a high performance hydraulic pump (300 bar, 189 l/min) is available.

## 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 redesigned rear underride guard is fitted as standard.

## Comfortable

The high-quality seat variants of the new Boki H140, 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 H140 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.





### User-friendly

The operation of the new Boki H140 is logical and intuitive. The modern joystick control, the clear multifunction display and the uniform colour coding of the working hydraulics form the basis for this. All function switches for the hydraulics are logically grouped and easily accessible for the driver.

### Economical

When it comes to economy, the new Boki H140 scores 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 H140 is also ideally suited for municipal applications due to its compact width of 1,400 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 (with a choice of 95, 110 or 129 kW), are equipped with a diesel particulate filter (DPF), an exhaust gas after treatment (SCR) and an AdBlue tank. In combination with the hydrostatic drive, this results in an optimal balance between performance and fuel consumption. The modern working modern working hydraulics call up precisely the power that is needed at the moment thereby saving fuel.



# Technical data Boki H140



Dimensions (mm) & Weights (kg)	Boki H140 Wheelbase short	Boki H140 Wheelbase long
A Maximum width	1400	1400
B Wheel outer width from	1385	1385
C Height up to roof top edge	2220	2220
D Height of loading platform	1025	1025
E Length of axle/bumper	970	970
F Wheelbase	2400	2900
G Length of bumper / lamp holder	4080	4580
H Length with tipper	4080	4580
Turning circle diameter from	7200	7500
Dead weight without Tipper from	2900	2950
Axle load front, up to max.	3500	3500
Axle load rear, up to max.	3500	3500
Max. perm. gross weight	5000 - 6500	5000 - 6500
<b>Engines</b>		
Type	FPT F1C	
Power / Torque / at engine speed	95 kW / 130 hp / 430 Nm / 1500 rpm	
Power / Torque / at engine speed	110 kW / 150 hp / 370 Nm / 1320 rpm	
Power / Torque / at engine speed	129 kW / 175 hp / 430 Nm / 1500 rpm	
Displacement	2998	
Cylinder	4	
Nominal speed rpm	3000	
Emission level	EU VI D	
Exhaust gas recirculation	✓	
DPF	✓	
SCR catalytic converter	✓	
Fuel tank, in litres	50	
AdBlue tank, in litres	25	
Electrical system	2 x 75 Ah	
Alternator Ah	140	
<b>Drive / Chassis</b>		
Inching Pedal	o	
Hydrostatic drive, ECO-Drive, reinforced version (30% more tractive power)	✓	
Permanent all-wheel drive with self-locking differential	✓	
2-speed reduction gearbox, electro-hydraulic gearstick	o	
Speed kph*	50/60/62	

\*Country-specific deviations possible

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
<b>Tyre variants</b>	
225 / 75 R 16 C	✓
265 / 75 R 16	o
285 / 65 R 16	o
315 / 55 R 16	o
<b>Cab</b>	
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	✓
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
<b>Working hydraulics &amp; Linkages</b>	
Gear pump 19 ccm Volume flow maximum 57 l/min, working pressure maximum 200 bar	✓
Load sensing 18 ccm Volume flow maximum 54 l/min, working pressure maximum 250 bar	o
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 6 DW
Float positions Control functions Front	up to 6
Proportional Control functions Front	up to 6
Lift and lower vibration damping	o
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 3 DW
Float positions Control functions rear	up to 3
Proportional control Rear functions	up to 3
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	Not available -
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Illustrations partly show optional equipment.  
Subject to technical changes and printing errors.

# REFORM. Teamwork Technology.



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