

DIMENSIONS

LENGTH

14.99 m

HEIGHT

4.00 m (transport position)

WIDTH

3.00 m (6 rows with 45 cm rows)

3.30 m (6-rows at 50 cm width and 45-50 cm variable)

UNLADEN WEIGHT

from 31,800 kg, depending on equipment

BUNKER CAPACITY

over 43 m³

DIESEL ENGINE

ENGINE

Mercedes Benz OM 473 LA 6-cylinder inline engine

Exhaust gas category 4 final

CAPACITY

460 kW (626 hp)

15.6 l displacement

max. torque 2,900 Nm, working rpm 1,100 rpm automotive to
max. 1,650 rpm

FUEL TANK

1,290 l diesel, 130 l AdBlue

fuel consumption displayed in l/ha and l/h in terminal

COOLING SYSTEM

FEATURES

Side-by-side arrangement of cooling elements for charge air and water
Hinged CVR oil cooler and air conditioning system condenser
Dirt-resistant positioning of the radiator at rear top
Hydrostatically continuously driven and automatically reversible fan

TRACTION DRIVE

GEARS

Completely newly developed traction drive with stepless CVR gearbox for efficient power traction
Consisting of three hydraulic motors on the compound gearbox

FEATURES

Continuous from 0 to 40 km/h without interruption (no gear change or switching)
40 km/h in road mode at 1,195 rpm, 17.5 km/h in the field at 1,220 rpm

TYRES

1ST AXLE:

Michelin CerexBib 800/70 R38 (1.4 bar)

2ND AND 3RD AXLE:

Michelin MegaXBib 1050/50 R32 (1.9 bar)

OPTIONAL

Michelin CerexBib IF1000/55 R 32 CFO (1.4 bar)

FEATURES

Large tyre contact surface allows high operating reliability even in wet conditions and on slopes

CHASSIS

FEATURES

Innovative chassis design with oscillating front axle in conjunction with 2 hydraulically supported rear axles

SLOPE COMPENSATION

Chassis can be inclined by 10% to the slope on each side by 6 hydraulic cylinders

The slope adaptation is automatically regulated by 2 inclination sensors

CHASSIS ROLL STABILISATION

roll stabilization due to hydraulic compensation of oil level in the stabilization cylinders of each vehicle side

HYDRAULICS

PDG

pump distributor gears with pressure circulation lubrication and gear oil cooler

TRACTION DRIVE

Bosch Rexroth traction drive

OPERATING HYDRAULICS

Well dimensioned load-sensing working hydraulic system by Bosch Rexroth, Bucher and Hydac

CABIN

DRIVER'S POSITION

Sound-insulated and tinted all-round windows with low horizon

More powerful stepless fan in heating and ventilation system (automatic climate control)

Grammer air-spring-mounted comfort seat with heating autopilot

cruise control

console for telephone

Bluetooth MP3 radio with audio system

14 litre cool box

OPERATION

R-Concept operating console

Joystick operation

TERMINAL

12.1" R-Touch colour terminal

machine diagnosis including DM1 error messages from the diesel engine in plain text fully integrated in R-Touch

LIGHTING

2 LED interior lights

WINDOW WIPERS

wide-area window wiper

CAMERA

colour display for rear view camera

DEFOLIATOR

PIS

Integral defoliator unit with leaf spreading between beet rows, 2 sensor wheels

PAS

All-round defoliator unit, push-button operation from the driver's seat, can be changed for either integral topping or leaf ejection to the left, 2 depth-control wheels (optionally 4 depth-control wheels)

PBS

Defoliator unit with leaf ejection to the left, leaf-spreader and 2 depth-control wheels (optionally 4 depth-control wheels)

PES

Rubber defoliator with leaf spreading between beet rows, 2 depth-control wheels

LIFTING UNIT

FEATURES

PR2 6-row lifting unit
45 cm, 50 cm or variable
With faster oscillating share drive by axial-piston motor
hydraulic stone protection
90 cm depth-control wheels
adjustable taper roller bearings in oscillating share drive and lifting gears
variable adjustment of roller clearance between fourth and fifth lifting roller
Excellent view of lifting unit and scalper with no additional cameras

MAINTENANCE POSITION

Lifts the topper 90 degrees for simple inspection and service of topper knives, scalper knife and lifting shares

CLEANING

INFEEED CONVEYOR

80 cm wide

1ST STRAINER WHEEL

1.7 m diameter

2ND AND 3RD STRAINER WHEELS

1.5 m diameter

ELEVATOR

1.00 m wide

GUIDE GRID

Heights of 1st, 2nd, 3rd strainer wheel can be independently adjusted

Guide grids can be replaced with spring tines segment by segment

ELECTRICAL SYSTEM

FEATURES

24 V vehicle power supply

150 A alternator

24 LED Hella floodlights

Coming-home lighting

3 12 V outlets for radio, telephone etc.

CAN-bus computer system with integrated diagnosis of all components connected to the terminal

software can be updated at USB port

UNLOADING CONVEYOR

FEATURES

triple-fold conveyor for even easier establishment of 10-metre-wide clamps
gentle PU fingers for high output and short unloading times
Speed of both conveyors is steplessly adjustable
long conveyor with speed switch

UNLOADING CONVEYOR WIDTH

200 cm for even easier unloading to trailer

BUNKER UNLOADING

in less than one minute

OVERLOADING HEIGHT

up to 4.00 m

YIELD INDICATOR

FEATURES

bunker contents are measured with 2 ultrasonic sensors
The total bunker loads (including partly loaded) are automatically recorded in the database

EQUIPMENT

STANDARD

central lubricating system

fuel consumption measurement
automatic climate control
Manual slope compensation
40 km/h

OPTIONAL

leaf spreader in stone protection mode
skids on scalper
Widia forged lifting shares
hard-welded lifting rollers
Guide grid segments with spring tines in strainer wheels 1-3
agitator in the 2nd strainer wheel
strainer wheel camera
Unloading conveyor camera
2nd video display
2 LED high-beam headlamps
data printer
via Wi-Fi Connect: R-Transfer Basic with data export to ROPA
app or USB stick, R-Transfer Professional with data import
and export from and to ROPA app or USB stick.
R-View video system (bird's-eye view)
Distance Control Assistant (not with R-View)
GPS drive speed sensor
leaf pile equipment (defoliators with leaf scroll only)
automatic slope compensation
contour marking package
additional chassis (obligatory in Germany)