

## 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 33,400 kg, depending on equipment

BUNKER CAPACITY

over 43 m<sup>3</sup> / 30 t

## DIESEL ENGINE - 2 ENGINE MODELS AVAILABLE

VOLVO PENTA D16 700 HP/515 KW

16.12 l displacement

Volvo Penta 6-cylinder inline engine

pump-nozzle injection (PNI)

EPA Tier 4 final exhaust gas category and exhaust gas category IV

SCR catalytic converter and AdBlue, maximum fuel sulphur content 15 ppm required to meet exhaust emission standard

max. torque 3200 Nm

working rpm 1,100 rpm, automotive to max. 1,650 rpm

VOLVO PENTA D16, 768 HP/565

KW

16.12 l displacement  
Volvo Penta 6-cylinder inline engine  
pump-nozzle injection (PNI)  
WITHOUT AdBlue, WITHOUT exhaust gas recirculation  
fuel with sulphur content to max. 5,000 ppm permitted  
max. torque 3260 Nm  
working rpm 1,100 rpm, automotive to max. 1,650 rpm  
not for USA and Canada

## FUEL TANK

1,320 l diesel  
fuel consumption displayed in l/ha and l/h in terminal

## ADBLUE TANK

145 l AdBlue  
(Volvo Penta 700 hp/515 kW only)

## 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  
hydraulic oil cooler with open fan  
hydrostatically continuously driven and automatically reversible fan

## TRACTION DRIVE

## GEARS

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 2 800/70 R38 (1.4 bar)

### 2ND AND 3RD AXLE:

Michelin MegaXBib 1050/50 R32 (1.9 bar)

### OPTIONAL

Michelin CerexBib 1000/55 R32 (1.4 bar)

## FEATURES

large tyre contact surface protects soil and allows high operating reliability even in wet conditions and on slopes

## CHASSIS - R-SOIL PROTECT

### FEATURES

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

### SLOPE COMPENSATION

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

the slope compensation is automatically regulated by two inclination sensors (optional)

## 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

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

Grammer air-spring-mounted ROPA Evolution comfort seat with heating and active ventilation

autopilot

cruise control

console for telephone

AM/FM/CD/USB/Bluetooth/DAB+ Radio with external microphone for hands-free communication

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 depth-control 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 left  
2 depth-control wheels (optionally 4 depth-control wheels)

### PBS

defoliator 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

### RR LIFTING UNIT

6, 8 or 9 rows

45 cm, 50 cm or variable (6-row only)

hydraulic single-row adjustment of lifting depth

hydraulic stone protection

85 cm depth-control wheels

7 lifting rollers

fast stepless oscillating share drive by axial-piston motor

adjustable taper roller bearings in oscillating share drive and lifting gears

excellent view of lifting unit and scalper with no additional cameras

### PR2H LIFTING UNIT

6-row

45 cm, 50 cm or variable

hydraulic stone protection

90 cm depth-control wheels

6 lifting rollers

stepless fast oscillating share drive by axial-piston motor

adjustable taper roller bearings in oscillating share drive and lifting gears

variable adjustment of roller clearance between fourth and fifth lifting roller

good view of lifting unit and scalper with no additional cameras

### MAINTENANCE POSITION

allows the defoliator and the lifting group to be raised 90 degrees for simple inspection and service of defoliator knives, scalper knife and lifting shares

## CLEANING

## INFEEED CONVEYOR

800 mm wide  
50 mm pitch

## 1ST STRAINER WHEEL

1700 mm diameter

## 2ND AND 3RD STRAINER WHEELS

1500 mm diameter

## GUIDE GRIDS

drop-forged strainer wheel prongs  
height independently adjustable at 1st, 2nd, 3rd strainer  
wheel can be independently adjusted  
guide grids can be replaced with spring tines segment by  
segment

## ELEVATOR

1,000 mm wide

# ELECTRICAL SYSTEM

## VEHICLE POWER SUPPLY

24 V vehicle power supply

## GENERATOR

150 A

## LED WORKING FLOODLIGHTS

24 (made by Hella)  
coming-home lighting

## OUTLETS

3 12 V outlets for radio, telephone etc.

## FEATURES

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  
the 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  
RR lifting unit  
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 on 2nd video display left  
2 LED high-beam headlamps  
data printer

R-Transfer **BASIC** for data export via USB port (scope of delivery: USB and Wi-Fi interface in R-Touch color terminal) (farmipilot can not be run / software update to R-Transfer PROFESSIONAL possible for additional costs)

R-Transfer **PROFESSIONAL** for data import and export via USB port and communication with farmipilot app via Wi-Fi (scope of delivery: USB and Wi-Fi interface in R-Touch color terminal / not included: Android tablet, farmipilot licence)

R-View video system (bird's-eye view)

GPS drive speed sensor

leaf pile equipment (defoliators with leaf scroll only)

automatic slope compensation

contour marking package

additional chassis (required in Germany) maximum speed 32 km/h, 25 km/h