

The background image shows a logging operation in a forest. A yellow and black PONSSE harvester is positioned in the center, with its grapple holding a log. To the right, the front of a yellow PONSSE skid steer loader is visible. In the foreground, a large stack of cut logs is neatly piled. The scene is dimly lit, with the machines' headlights providing the main source of illumination.

**PONSSE**

---

# TECHNICAL DATA

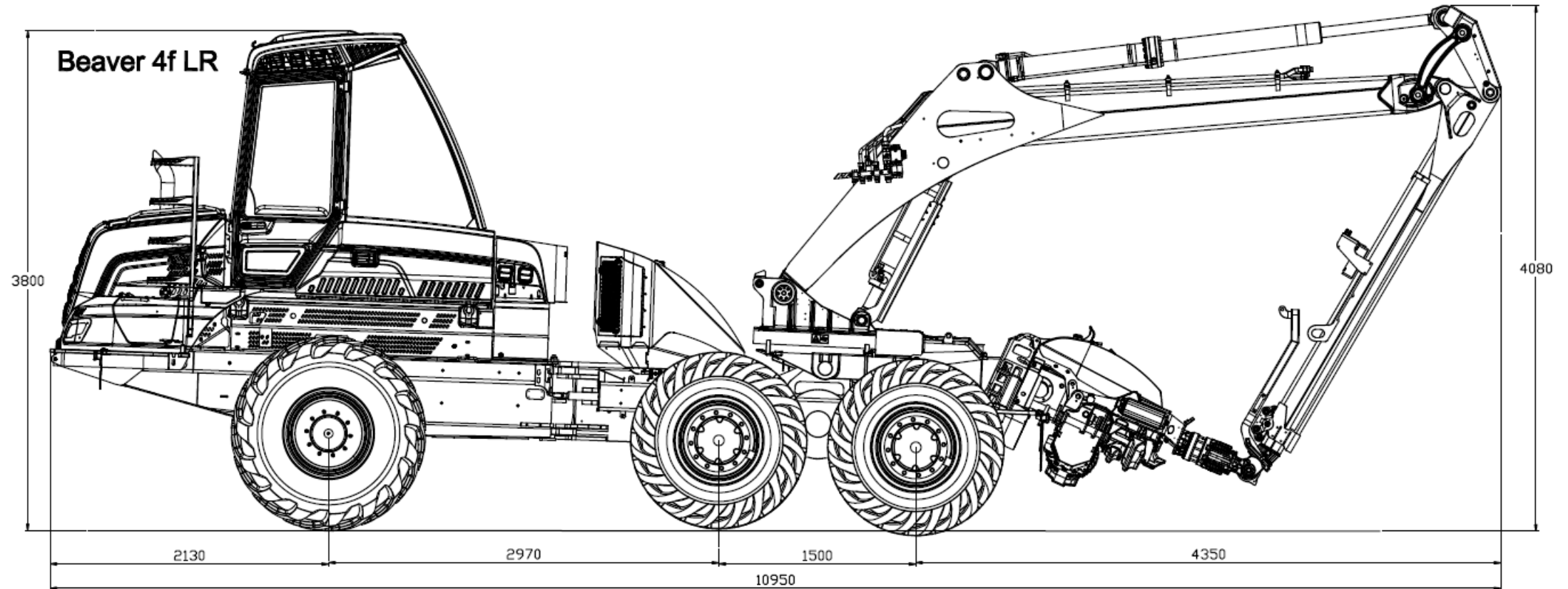
---

# Technical data

DIMENSIONS	
Length:	7 300 mm
Width:	2 750 – 3 085 mm
Transportation height (max)	3 800 mm
Ground clearance	670 mm
Weight from	16 700 kg
Typical weight	17 700 kg
ENGINE	
Model	MB/MTU 934LA EU Stage V / Tier 4 Final MB/MTU 924LA EU Stage IIIA
Power	EU Stage V / Tier 4 Final 150 kW (204 hp) Stage IIIA 145 kW (197 hp)
Torque	EU Stage V 850 Nm (1 200 - 1 600 rpm) Tier 4 Final 800 Nm (1 200 – 1 600 rpm) EU Stage IIIA 705 Nm (1 200 – 1 600 rpm)
Traction force	130 kN
Fuel tank	300 l
CRANE	
Model	PONSSE C44+
Reach	10,0 -11,0 m
Lifting torque	230 kNm
Slewing torque, gross	46 kNm
Crane turning angle	250°
Crane tilt angle	-12°/+18°

TYRES	
Front	650/65-26,5" or 750/55-26,5"
Rear	600-26,5" or 710-26,5"
HYDRAULICS	
Control system	PONSSE OptiControl
Working pump	190 cm <sup>3</sup>
Hydraulic oil tank	200 l
HARVESTER HEAD	
Model	PONSSE H5, H6
Max. roller opening	530, 600 mm
Max. Cutting diameter	560-640 mm
Feeding force	19 / 25 kN
Max. feeding speed	7 / 6 m/s

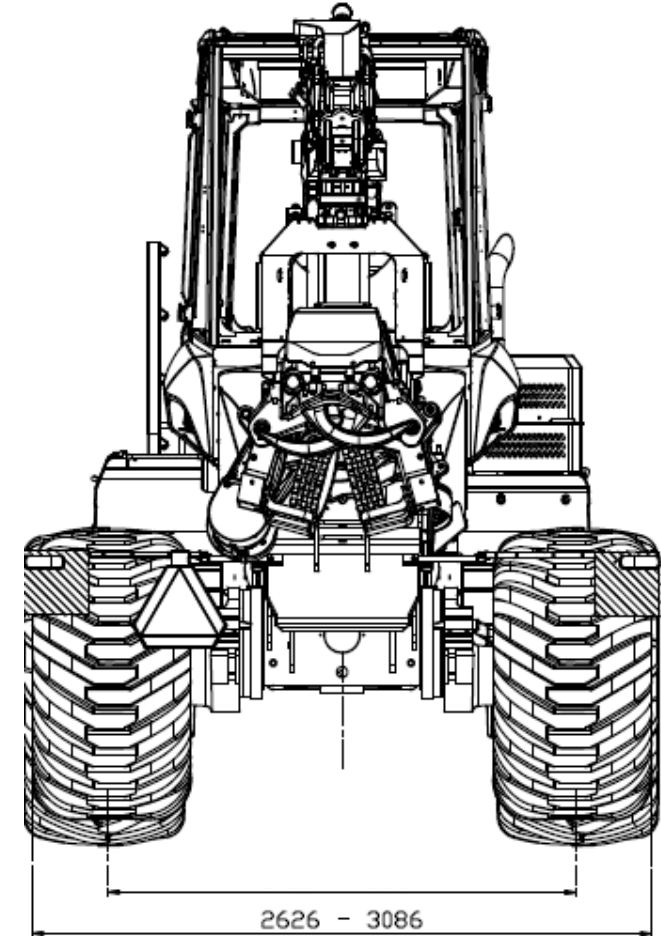
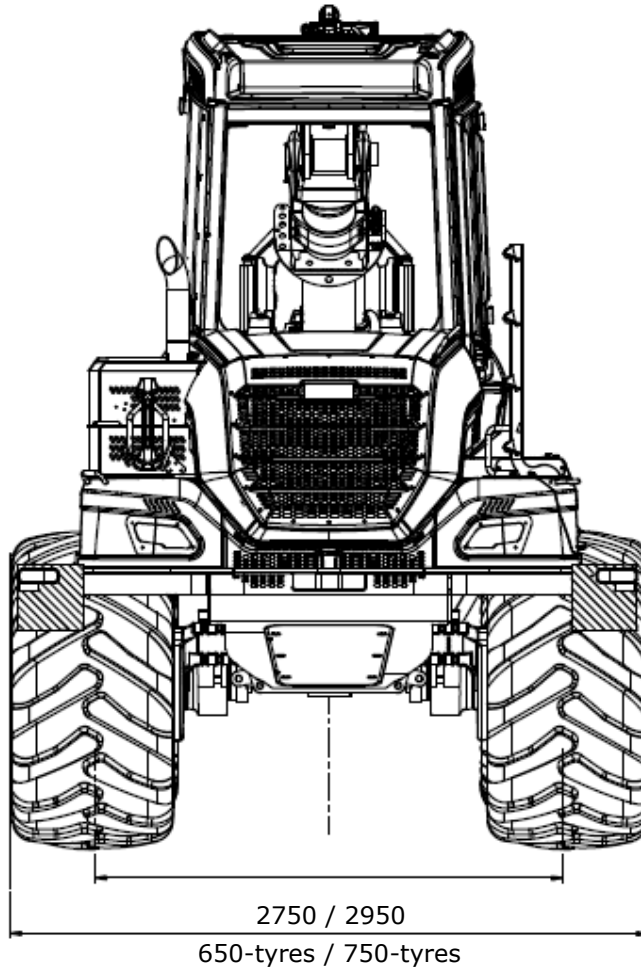
# Dimensions





# Machine width

Machine width with 650/750 front wheels



# Machine width – different offset / wheels

## Max track width rear with symmetrical tracks

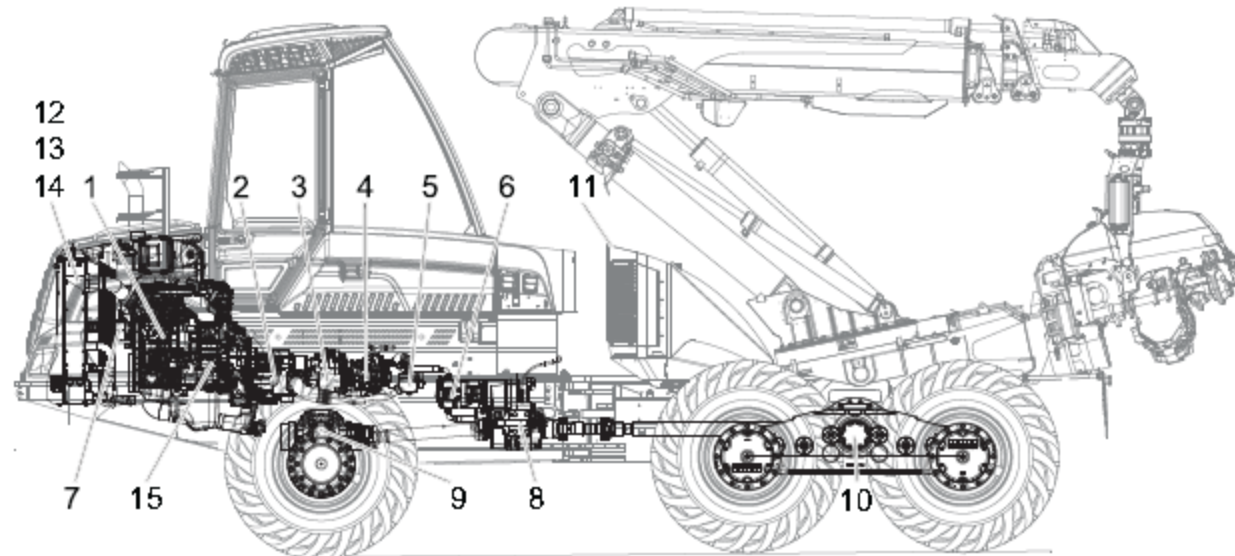
### Bogie PO100

Wheel rim offset	600/55-26,5 Offset +50	600/55-26,5 Offset -35	710/45-26,5 Offset 0	710/45-26,5 Offset -75	800/40-26,5 Offset -50
Machine width (order sheets)	2630 mm	2800 mm	2840 mm	2990 mm	3026 mm
Max. track width	706 mm	876 mm	806 mm	956 mm	906 mm

### Bogie PO98 (balanced bogie)

Wheel rim offset	600/55-26,5 Offset +50	600/55-26,5 Offset -35	710/45-26,5 Offset 0	710/45-26,5 Offset -75	800/40-26,5 Offset -50
Machine width (order sheets)	2690 mm	2860 mm	2900 mm	3050 mm	3086 mm
Max. track width	766 mm	936 mm	866 mm	1016 mm	966 mm

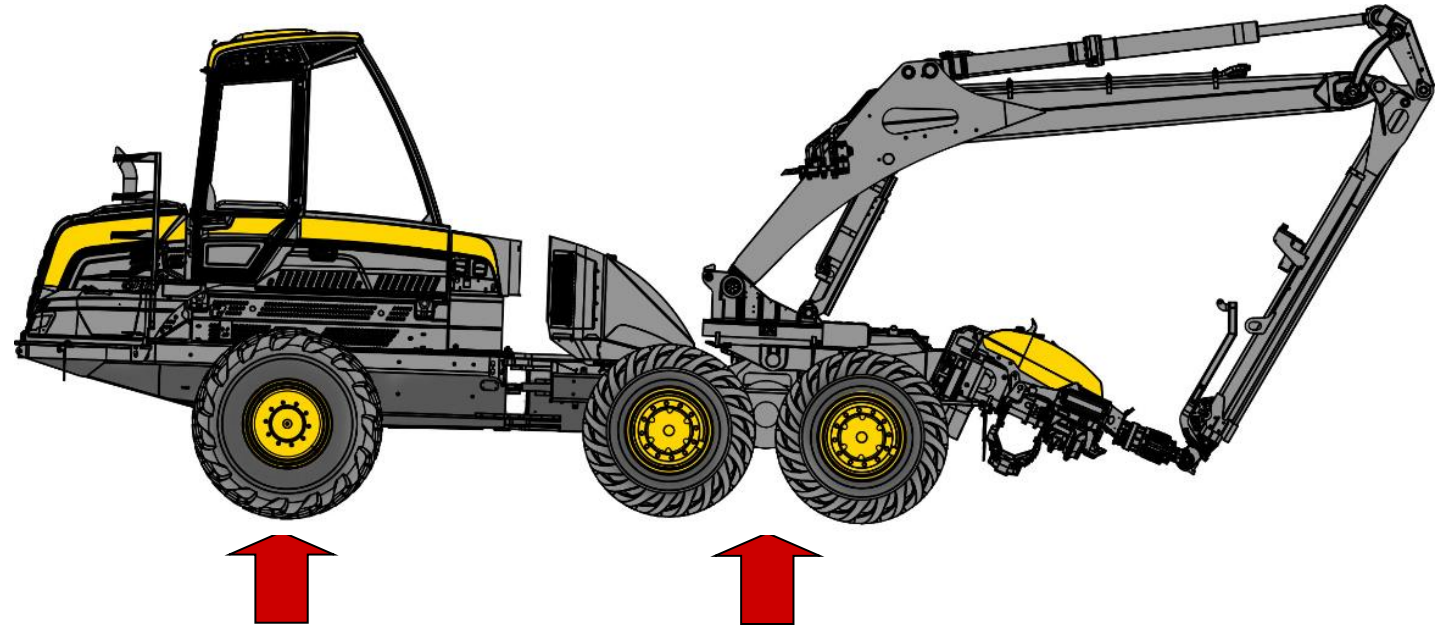
# Main components



- 1** Engine: MB/MTU OM934LA EU Stage V / Tier 4 Final  
MB/MTU OM924LA EU Stage IIIA
- 2** Working pump: REXROTH A11VLO160
- 3** Drive transmission pump: DANFOSS H1P100
- 4** Hydraulic cooling fan pump: DANFOSS H1P045
- 5** Circulation pump: 75 cm<sup>3</sup>/r (hydraulic oil cooling system)
- 6** Drive transmission motor: DANFOSS H1B160
- 7** Hydraulic cooling fan motor: DANFOSS LC25

- 8** Transmission gear box: NAF PO42
- 9** Front axle: NAF PO104
- 10** Rear bogie:
  - Standard NAF PO100
  - Balanced (option) NAF PO98
- 11** Valve block: PARKER K220LS
- 12** Hydraulic oil cooler (hydraulic fan)
- 13** Engine cooler
- 14** Air conditioning cooler
- 15** Air compressor

# Surface pressure



Surface pressure

Without tracks and chains:

Tracks rear, chains front:

Front, 750/55-tyres

43 kPa

43 kPa

Rear, 710/45-tyres

60 kPa

31 kPa

Note. 1 kPa = 10 grams/cm<sup>2</sup>

# Weight

---

Machines minimum weight is it's dry weight in lightest setup (smallest crane model, harvester head, tyres etc.) with NO optional equipment, fuel, hydraulic oil, tyre ballast liquid, tracks or chains.

Typical weight is machine in working condition with full tanks of fuel and hydraulic oil and equipment typically delivered from factory - but always without tracks or chains, tyre ballast and possible some other options or equipment.

When talking about machine weight it's good to know that there are many factors that significantly effect the real weight of individual machine.

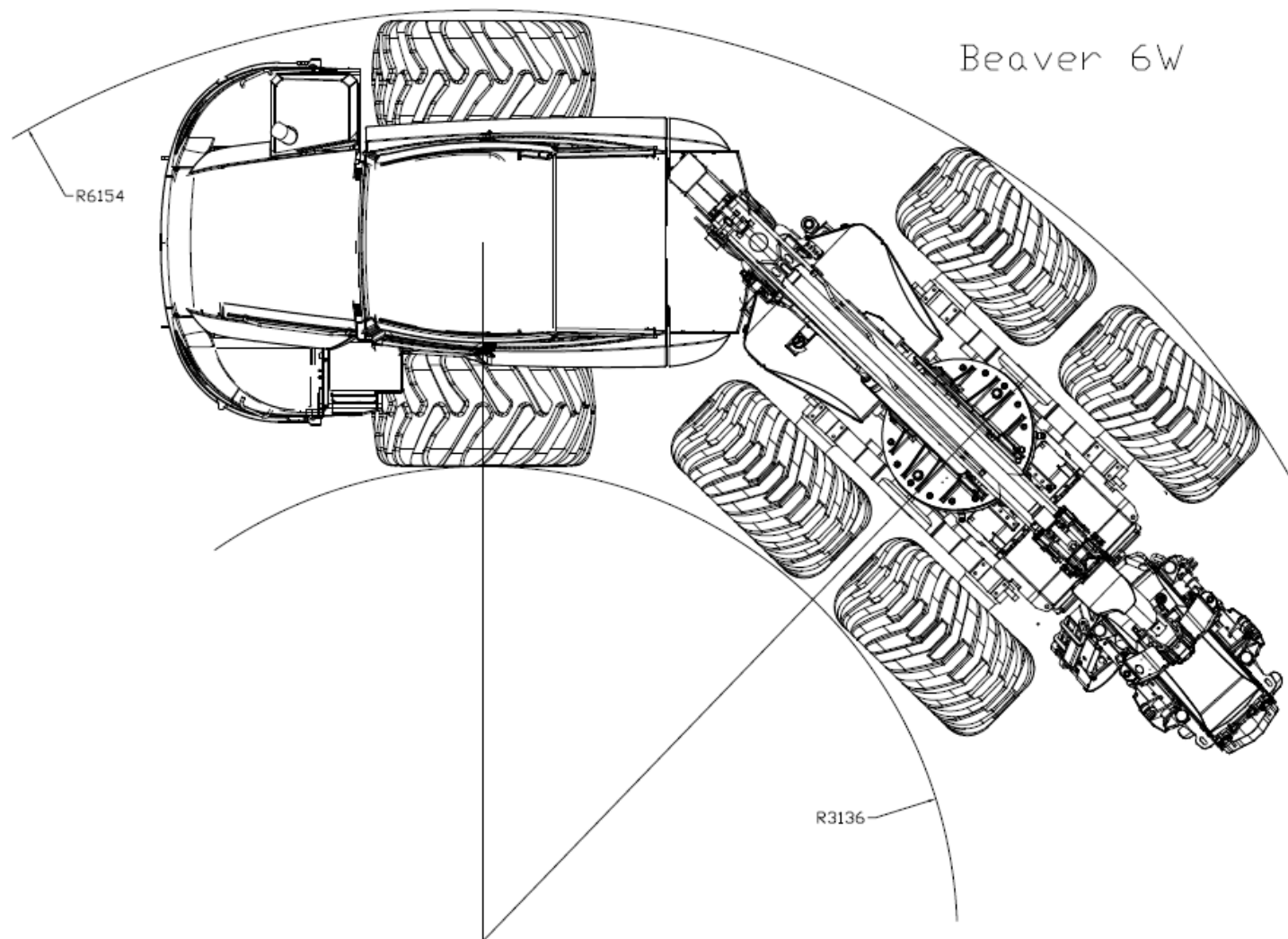
## **Examples of weight of different equipments or materials (not precise weights) in Beaver:**

Fuel (empty → full):	240 kg
Hydraulic oil (empty → full tank):	160 kg
DEF (empty → full tank):	32 kg
Tyres, 710 vs 600,	50 kg each
Harvester head (H5 → H6)	100 kg
Tyre ballast for 4 tyres	2800 kg (normal filling from factory)
Front guard	70 kg



# Turning radius

750 front wheels



# Comparison

<b>FEATURE</b>	<b>PONSSE BEAVER</b>	<b>JOHN DEERE 1070G (6wd)</b>	<b>KOMATSU 901 (6wd)</b>
Weight (min)	16 700 kg	16 000 kg	17 600 kg
Length	7 300 mm	6 990 mm	7 240 mm
Width, min (650-tyres)	2 640 mm	2 710 mm	2 620 mm (600 wheels)
Transport height	3 800 mm	3 709 mm	3 790 mm
Ground clearance	670 mm	555 mm	635 mm
Steering angle	±44°	±44°	±40°
Engine	MB OM 934 LA (4 syl.)	John Deere 6068 (6 syl.)	AGCO POWER (6 syl.)
Power	150 kW (3A = 145 kW)	135 kW	170 kW
Torque	850 Nm (1200-1600 rpm) (4F = 800 Nm / 3A = 705 Nm)	850 Nm	950 Nm (1500 rpm)
Fuel tank	300 l	300 l	370 l
Hydraulic system	1-circuit, load sensing	1-circuit, load sensing	"2-circuit", load sensing
Pump	190 cm <sup>3</sup> / 235 bar	160 cm <sup>3</sup>	235 cm <sup>3</sup> (incl. Drive and working pump)
Hydr. Oil tank	200 l	160 l	220 l
Crane	C44+	TJ 180S	200H
Slewing momentum	46 kNm (gross)	38 kNm (gross)	43 kNm (gross)
Lifting momentum	230 kNm (gross)	143 kNm (gross)	198 kNm (gross)
Max. reach	10/11 m	8,6/10/10,8 m	10/11 m
Base tilt angle	-12°...+18°	-14°...+28°	-20°...+22°
Drive transmission	Hydrostatic, OptiControl	Hydrostatic, TMC	Hydrostatic, MaxiXplorer
▪ Drive	6 wd	6 wd	6 wd
▪ Gears	2 speeds forward and reverse	2 speeds forward and reverse	2 speeds forward and reverse
▪ Max. speed	20 km/h	25 km/h	24 km/h
▪ Pulling power	130 kN	130 kN	164 kN
Axles			
▪ Front	Swinging axle (locking)	Gear bogie	Gear bogie
▪ Rear	Gear bogie	Axle	Swinging axle