

The background of the image shows a logging operation in a forest. A yellow and black PONSSE harvester is visible on the right, with its mechanical arm holding a log. In the foreground, there is a large stack of cut logs. The scene is dimly lit, with some lights from the machinery illuminating the area.

PONSSE

TECHNICAL DATA

- COBRA -

Technical data

Dimensions

Minimum weight	19 800 kg
Typical weight	20 900 kg
Length	8130 mm
Width	2630-3 085 mm
Ground clearance	600 mm
Transportation height	3800 mm

Crane

	C44+	C5
Slewing torque, gross	57 kNm	57 kNm
Tilt angle	±20°	±20°
Crane turning angle	250°	250°
Lifting torque (gross)	250 kNm	248 kNm
Reach	8,6/10/11 m	8,6 / 9,5 / 10 m

Engine

Model	MB OM936LA EU Stage V (Europe) MB OM936LA Tier 4F (North-America) MB OM906LA EU Stage IIIA (other countries)
Power	EU Stage V / Tier 4F: 210 kW EU Stage IIIA: 205 kW
Torque	EU Stage V: 1200 Nm (1200-1600) Tier 4F: 1150 Nm (1200-1600 rpm) EU Stage IIIA: 1100 Nm (1200 - 1600 rpm)
Tractive force	195 kN
Fuel tank volume	380 l (83.6 gal UK)

Hydraulic system

Control system	PONSSE OptiControl
Working pump	210 cm ³ (12.8 cid)
Oil tank volume	290 l (63.8 gal UK)

Tyres

Front	26.5"
Back	26.5"

Machine width – different offset / wheels

Cobra max track width front & rear with symmetrical tracks

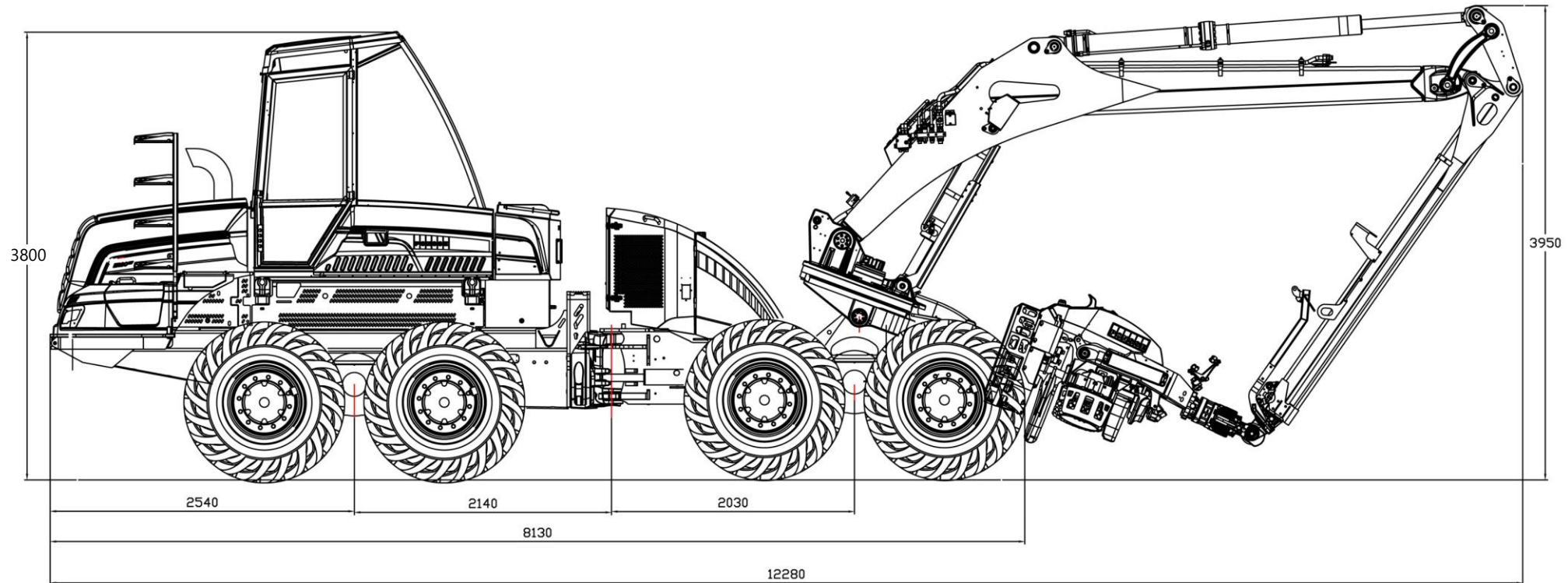
Bogie PO100

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 in front (8W/AF)	656 mm	826 mm	756 mm	906 mm	856 mm
Max. track width in rear	686 mm	856 mm	786 mm	936 mm	886 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 in front (8W/AF)	716 mm	886 mm	816 mm	966 mm	916 mm
Max. track width in rear	746 mm	916 mm	846 mm	996 mm	946 mm

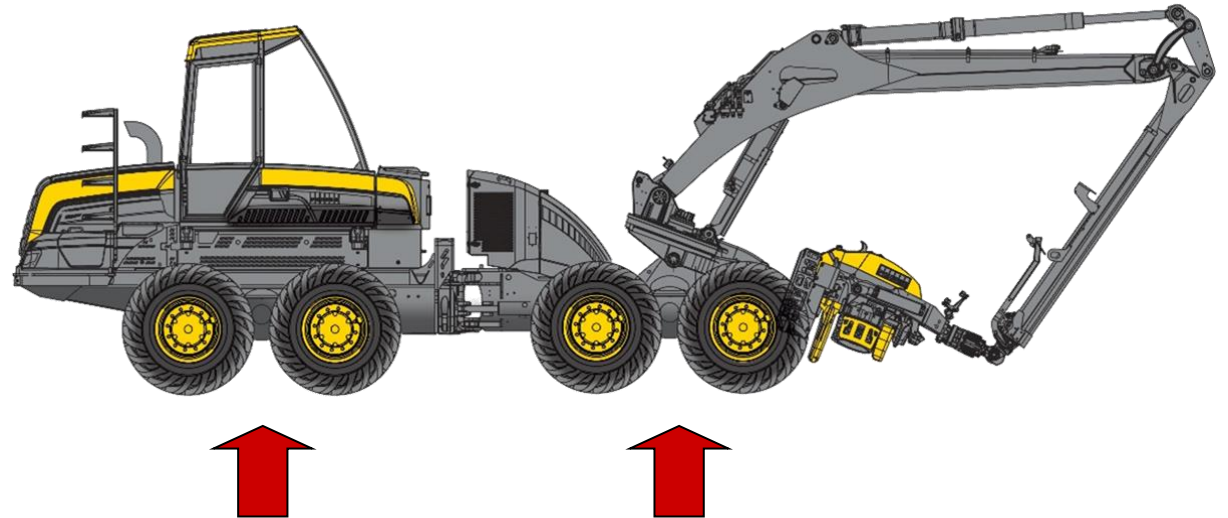
Dimensions



Dimensions:

Length:	8 130 mm
Minimum width (710 tyres):	2 840 mm
Transport height:	3 800 mm
Distance from B-pillar to crane:	4 183 mm

Surface pressure



Surface pressure (710 wheels)

No tracks/chains:

64 kPa

850 mm tracks front and rear:

34 kPa

44 kPa

24 kPa

Surface pressure Komatsu 901 XC

Komatsu 901 XC tyre size is 24,5" and it also has a shorter bogie than e.g. Scorpion (26,5" tyres)
 → Smaller tyre size and shorter bogie give smaller ground surface area, also when using tracks, which means that surface pressure is higher!



Surface pressure (710-tyres)
Rear

Front

No tracks or chains:

64 kPa

64 kPa

Tracks front and rear:

35 kPa

35 kPa

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, equipment typically delivered from factory - but always without tracks or chains, tyre ballast or some other possible 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 Cobra:

Fuel (empty → full):		310 kg
Hydraulic oil (empty → full tank):	230 kg	
DEF (empty → full tank):		32 kg
Tyres, 710 vs 600,		300 / 400 kg (6 / 8-wheels)
Harvester head (H5 → H6 / H6 → H7)	100 kg / 150 kg	
Tyre ballast for 4 tyres		1900 kg (normal filling from factory)
Front guard		70 kg
Alpine winch		2000 kg

Tracks typically weight 1800-2100 kg/pair, chains 400-500 kg/pair (up to 700 kg for 34" tyres).

Turning radius

(710 wheels & standard 0-offset)

