

The background of the image shows a logging operation in a forest. A yellow PONSSE harvester is positioned on the right, with its mechanical arm extended towards the center. 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. The PONSSE logo is centered at the top of the image.

PONSSE

TECHNICAL DATA

- WISENT -

Technical data, Wisent

DIMENSIONS	
Length	9 080 – 9 930 mm (357 – 391 in) + glide bunk 610 mm (24 in)
Width	2 690 – 2 840 mm (106-111 in)
Transportation height (Max)	3 810 mm (150 in)
Ground clearance	645 mm (25 in)
Weight	8 wheel: 16 300 kg (35 935 lbs) Typical 8w: 17 300 kg (38 140 lbs)
LOAD CAPACITY	
Load capacity	12 000 kg (lbs)
Load space cross section	4,5 m ² – 5,0 m ² (48 – 54 sq ft)
Load space length	4 190 – 5 040 mm (165 -198 in) + glide bunk 610 mm (24 in)
CRANE	
Model	PONSSE K70+
Lifting moment	K70+ = 106 kNm (78,18 lb-ft)
Reach	K70+ M: 10,0 m (32,8 ft)

ENGINE	
Model	MB OM924 LA (3A) MB OM934 LA (EU Stage 4 & 5)
Power	3A: 145 kW (195 hp) EU Stage 4 & 5: 150 kW (204 hp)
Torque	3A: 705 Nm (1200-1600 rpm) Eu Stage 4: 800 Nm (1200-1600 rpm) Eu Stage 5: 850 Nm (1200-1600 rpm)
Pulling power	165 kN (37 093 lbf)
Fuel tank capacity	150 l (39,5 gal, US)
TIRES	
Front and rear:	600/65 or 710/45 – 26,5” 600/65 or 710/45 – 26,5”
HYDRAULIC SYSTEM	
Control system	Ponsse OptiControl
Working pump	145 cm ³ (8.8 cu in)
Oil tank capacity	130l (34 gal)

Machine width - different offset/wheels

Bogie PO100, load space 2500:

Tyre Rim offset	600/55-26,5 +20	710/45-26,5 0	800/40-26,5 -50
Machine width (nominal)	2690 mm	2840 mm	3065 mm
Max. track width	983 mm	1023 mm	1123 mm

Bogie PO100, load space 2700:

Tyre Rim offset	600/55-26,5 +20	710/45-26,5 0	800/40-26,5 -50
Machine width (nominal)	2690 mm	2840 mm	3065 mm
Max. track width	850 mm	890 mm	990 mm

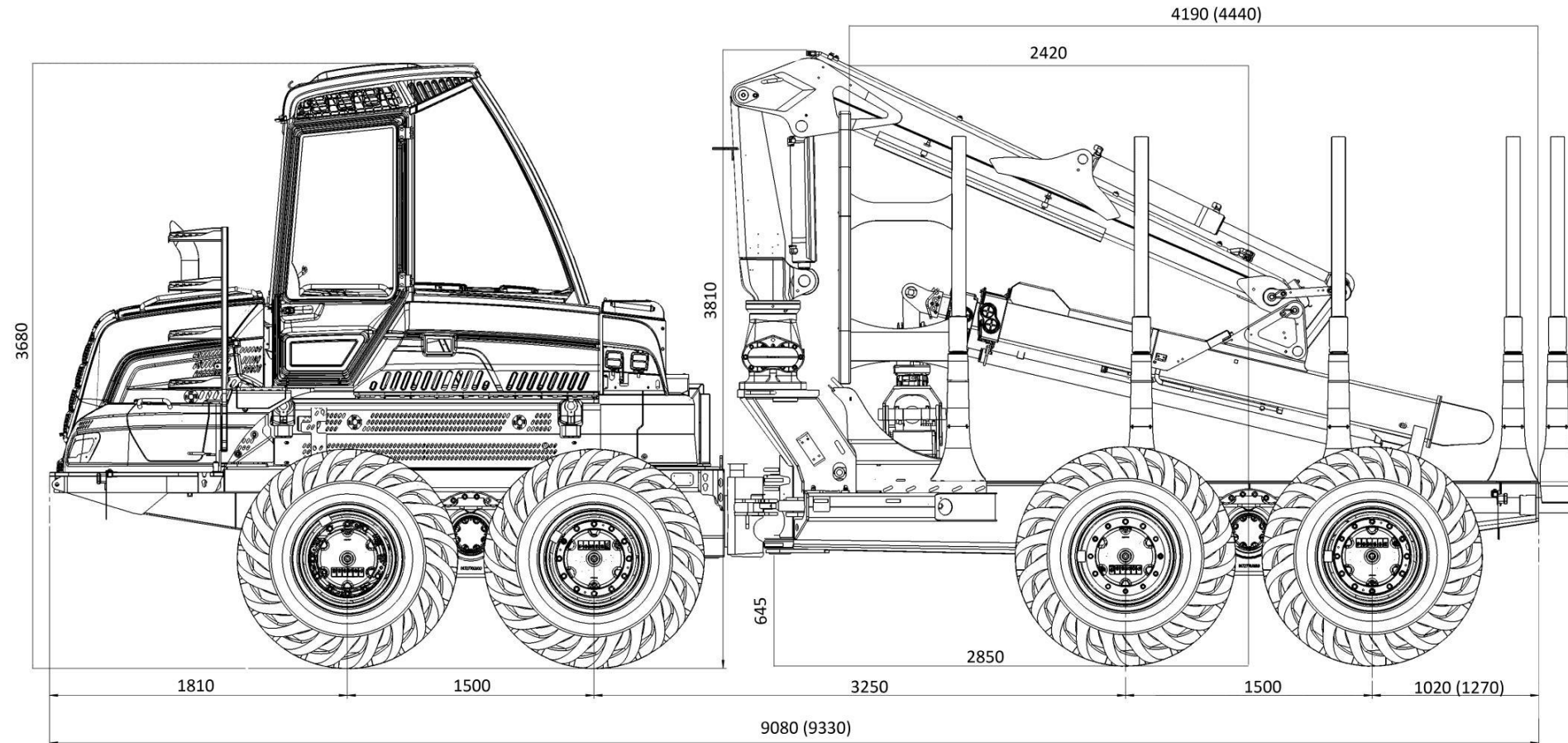
Bogie PO98 (balanced), load space 2500:

Tyre Rim offset	600/55-26,5 +20	710/45-26,5 0	800/40-26,5 -50
Machine width (nominal)	2750 mm	2900 mm	3125 mm
Max. track width	1043 mm	1083 mm	1183 mm

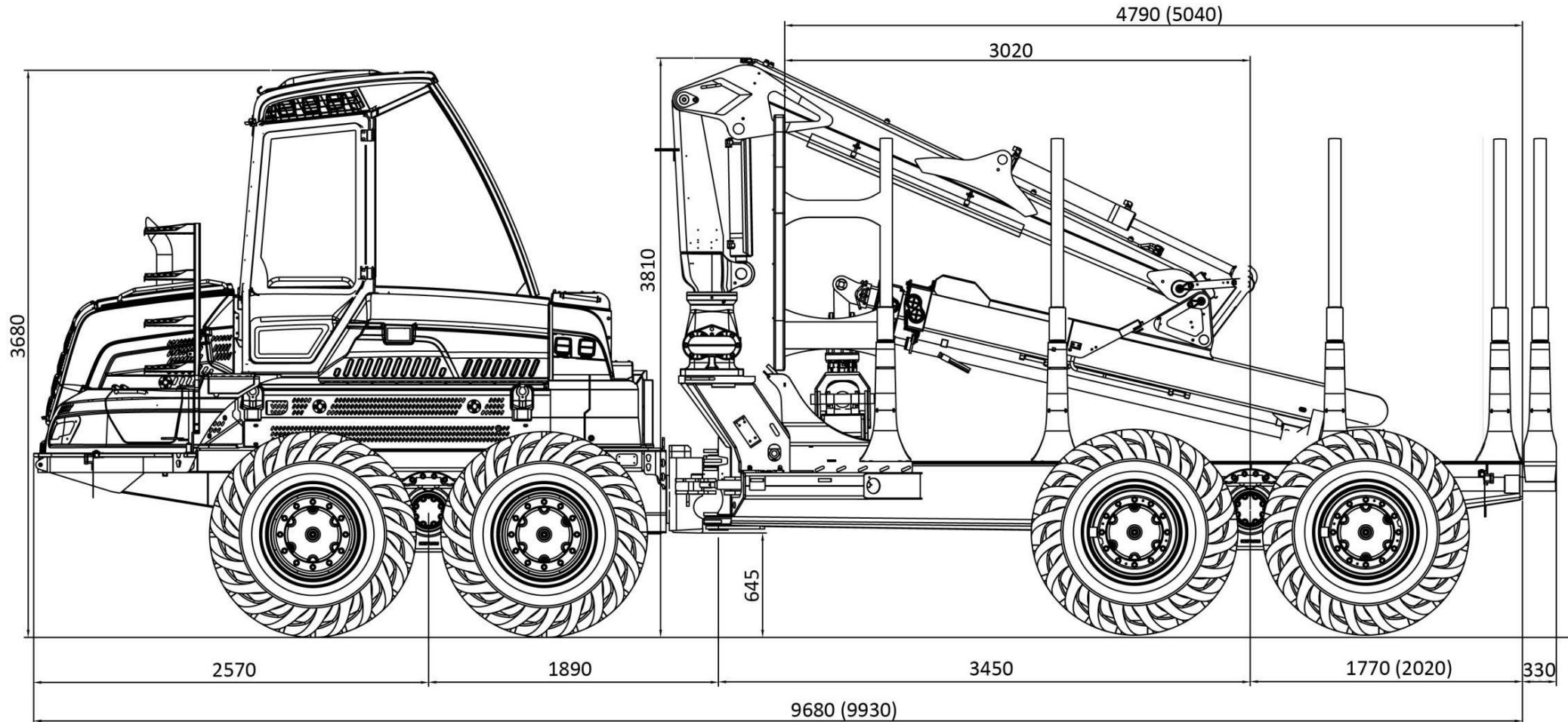
Bogie PO98 (balanced), load space 2700:

Tyre Rim offset	600/55-26,5 +20	710/45-26,5 0	800/40-26,5 -50
Machine width (nominal)	2750 mm	2900 mm	3125 mm
Max. track width	910 mm	950 mm	1050 mm

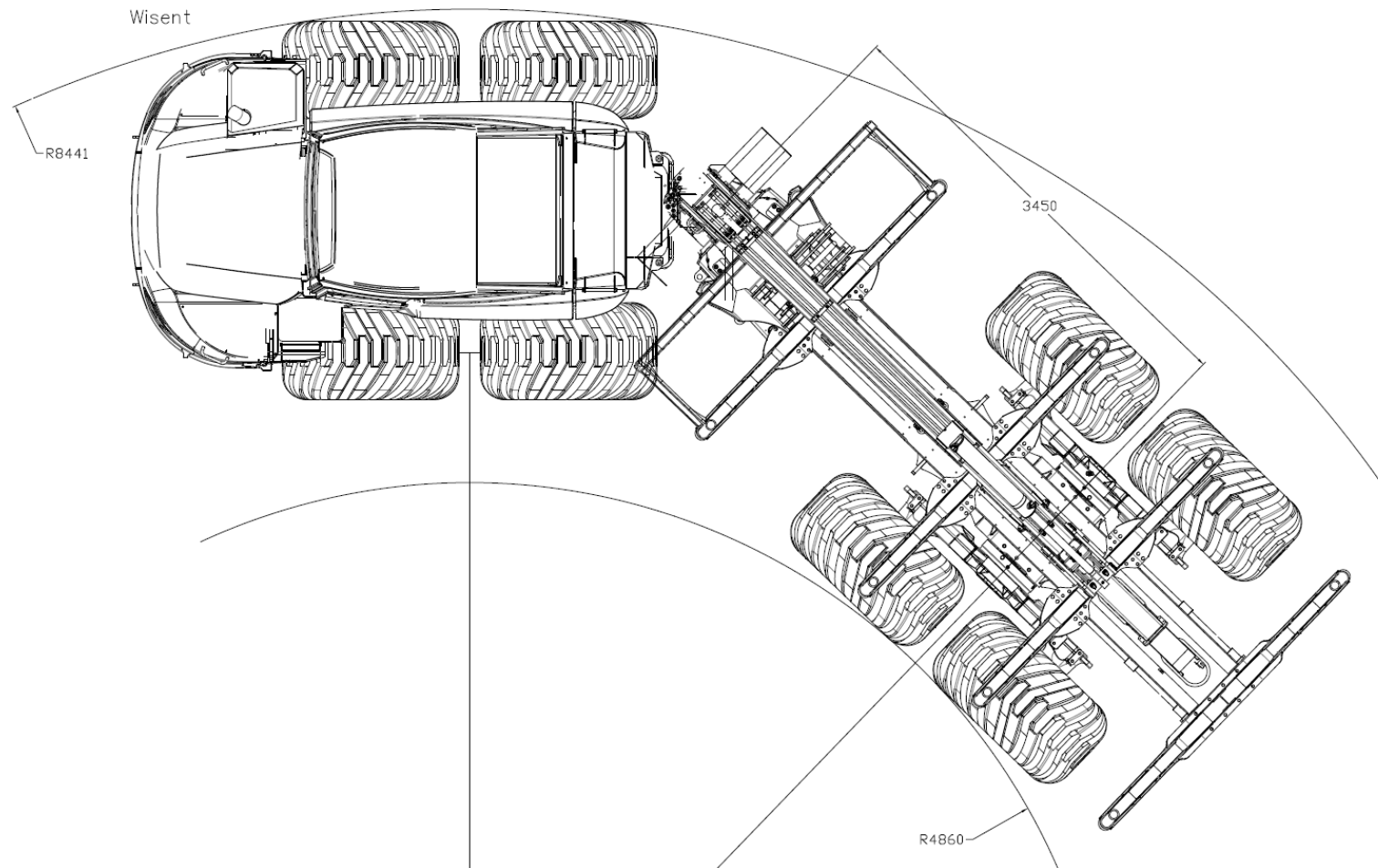
WISENT 2850 rear frame, short (long)extension



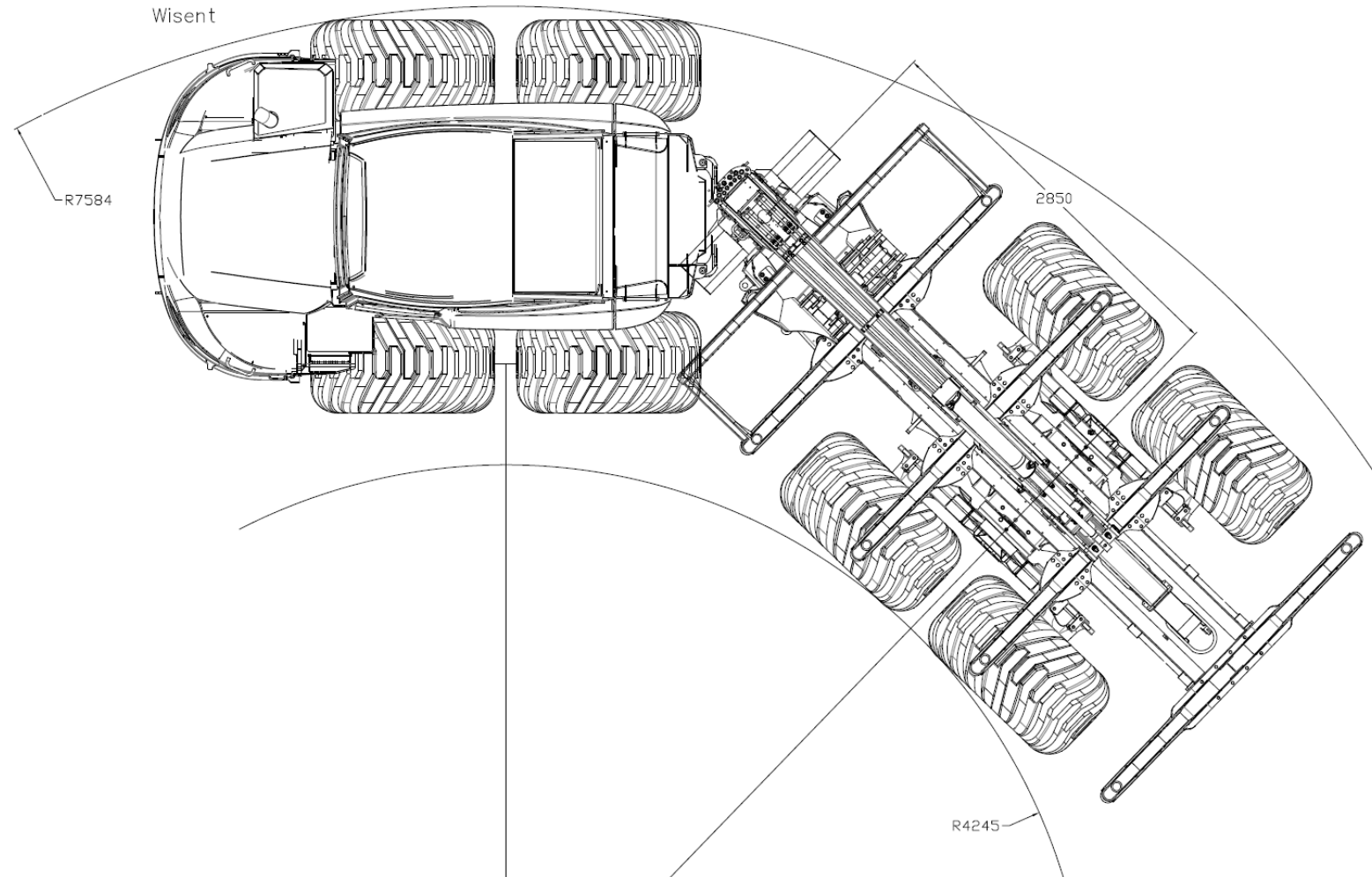
WISENT 3450 rear frame, short (long)extension



WISENT 3450 rear frame, turning radius

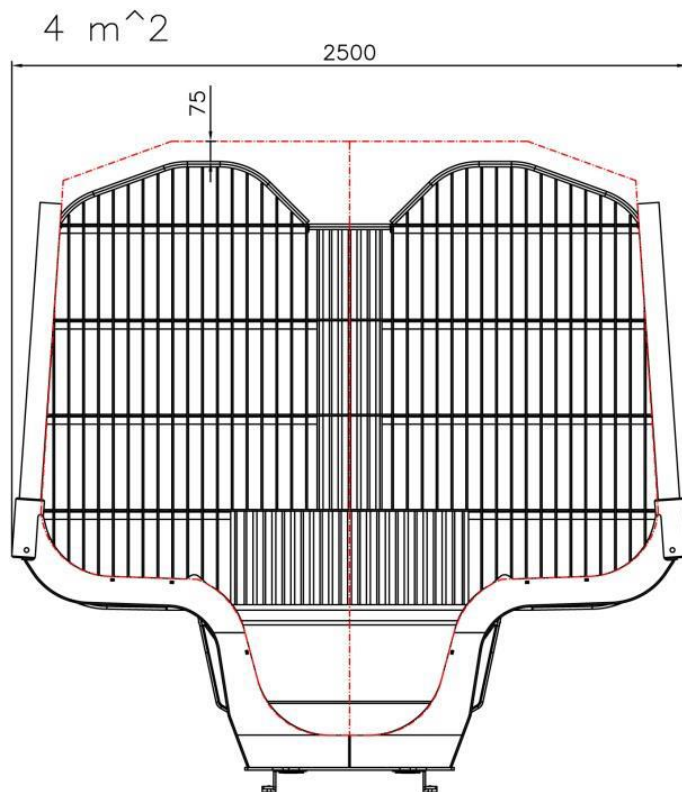


WISENT 2850 rear frame, turning radius

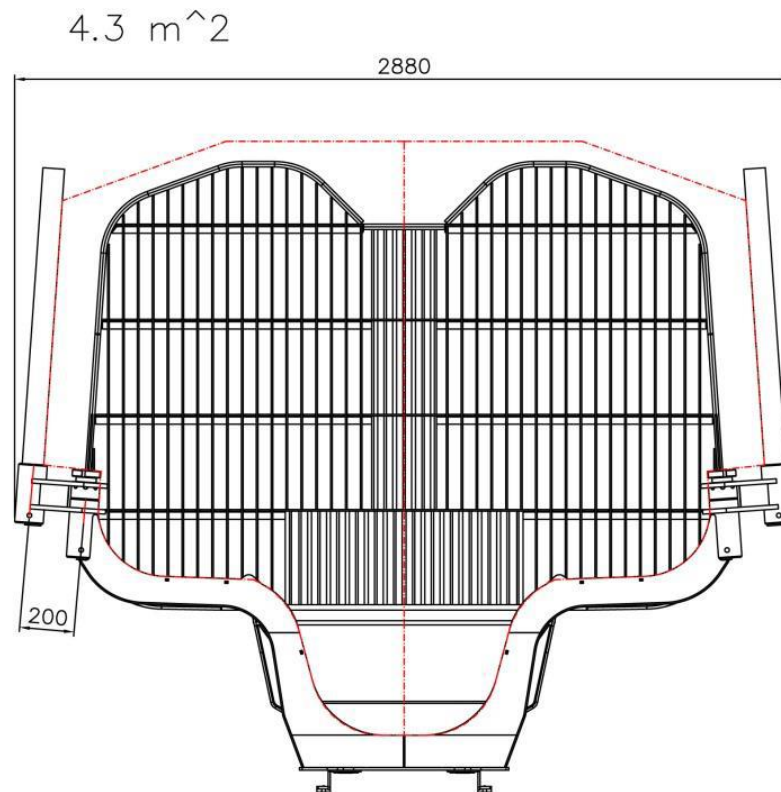


Wisent load areas

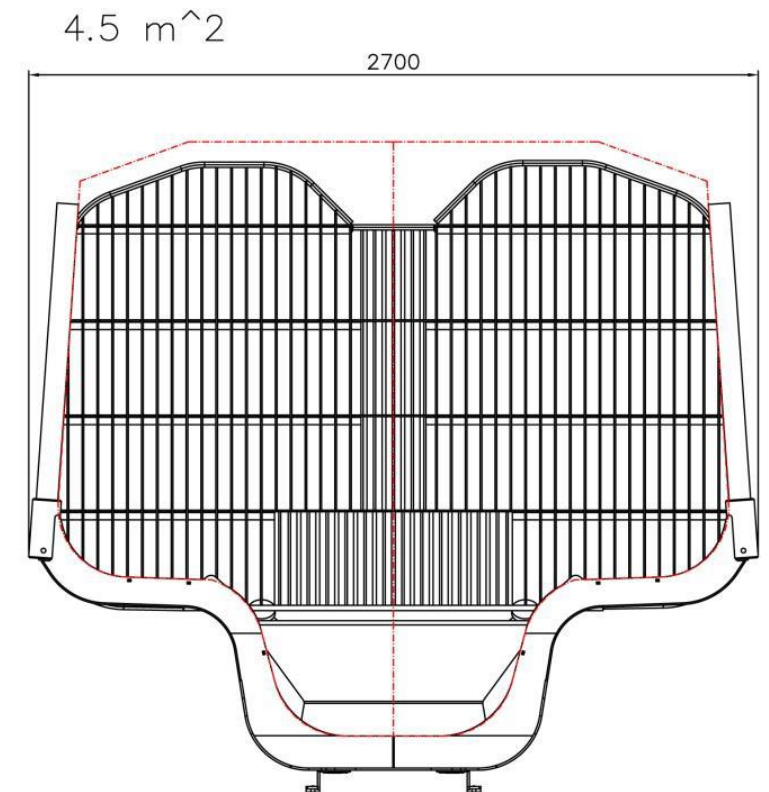
2500mm



2500mm+200mm extensions



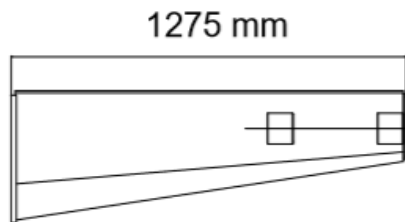
2700mm



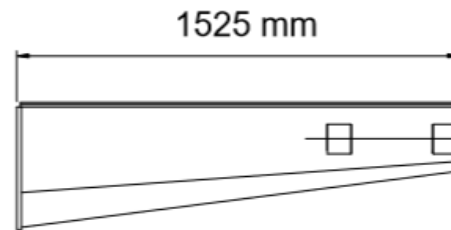
PONSSE WISENT

LOAD AREA LENGTH WITH DIFFERENT OPTIONS

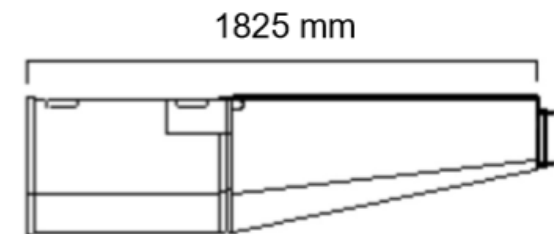
REAR FRAME EXTENSION 3 OPTION	LOAD AREA LENGTH WITH DIFFERENT FRAME OPTIONS, REAR FAME EXTENSION OPTIONS AND GLIDE BUNK			
	Standard rear frame 2850 mm Without glide bunk	Standard rear frame 2850 mm + glide bunk 610 mm	Long rear frame 3450 mm Without glide bunk	Long rear frame 3450 mm + glide bunk 610 mm
(A) Short 1275 mm rear frame extension	4190 mm	4190 mm – 4800 mm	4790 mm	4790 mm – 5400 mm
(B) Long 1525 rear frame extension	4440 mm	4440 mm – 5050 mm	5040 mm	Not available
(C) Winch extension 1825 mm	4740 mm	Glide bunk not available	5340 mm	Not available



(A) Short rear frame extension

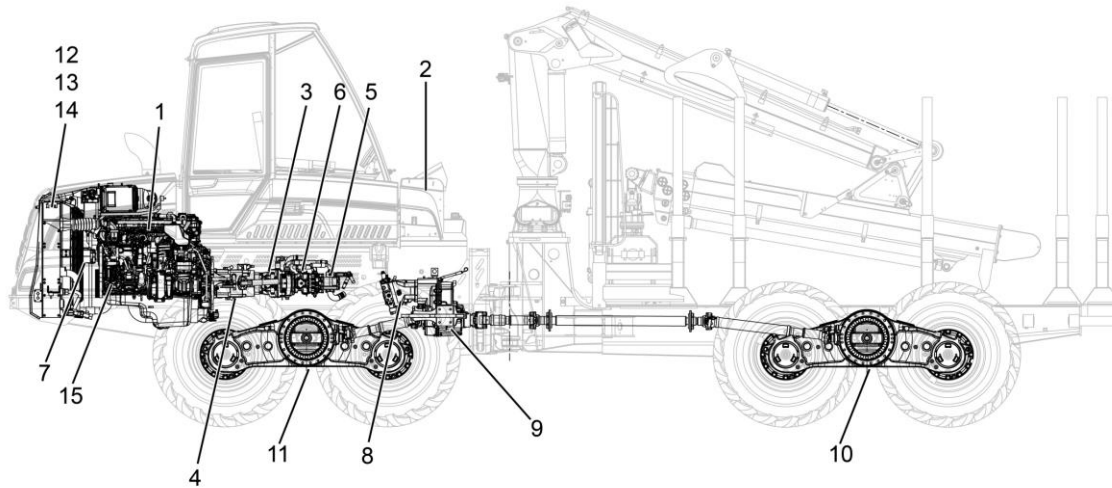


(B) Long extension



(C) Winch extension

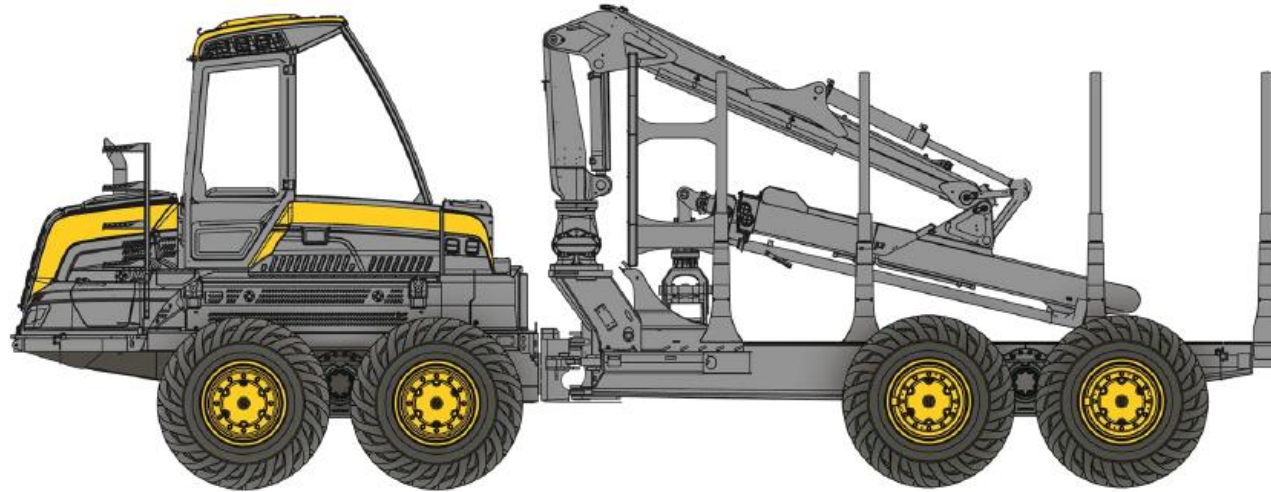
Main components WISENT



- | | |
|-------------------------------|--|
| 1. Engine
to NA) | Europe: Mercedes-Benz OM 934 LA (EU Stage V & Tier4 Final

Outside Europe: Mercedes-Benz OM 902 LA |
| (EU Stage 3A) | |
| 2. Directional valve | PARKER K220 LS |
| 3. Drivetrain pump | Danfoss H1P130 |
| 4. Crane pump | REXROTH A11VLO145 |
| 5. Circulation pump | 55 cm ³ |
| 6. Hydraulic fan pump | Danfoss H1P45 |
| 7. Hydraulic fan motor | Danfoss LC25 |
| 8. Drivetrain motor | Danfoss H1B160 |
| 9. Transmission gear box | NAF PO37 |
| 10. Rear bogie
balancing) | NAF PO98 (balanced), NAF PO100 (without |
| 11. Front bogie
balancing) | NAF PO98 (balanced), NAF PO100 (without |
| 12. Engine cooler | |
| 13. Air conditioner cooler | |
| 14. Hydraulic oil cooler | |
| 15. Air compressor | |

Surface pressure WISENT



No tracks / empty load, 710-tyres:	front 57 kPa	rear 34 kPa
800-tyres:	front 50 kPa	rear 30 kPa
No tracks / 12 ton load , 710-tyres:	front 62 kPa	rear 92 kPa
800-tyres:	front 54 kPa	rear 80 kPa
800 mm tracks / empty load:	front 34 kPa	rear 23 kPa
800 mm tracks / 12 ton load:	front 37 kPa	rear 52 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):

Fuel (empty → full):	125 kg
Hydraulic oil (empty → full tank):	125 kg
DEF (empty → full tank):	32 kg
Tyres, 710 vs 600, 300 / 400 kg (8-wheels)	
Rear frame length S→M / S→L	100 kg / 250 kg
Glide bunk	250 kg
Turnable bunk extensions	30 kg/pcs
Balanced bogie	200 kg / axle
Bonnet guard	70 kg
10W	1370 kg
Bulldozer blade	700 kg
VLA load space	500 kg
Sepson winch	400 kg
Clam bunk	1000 kg

Tracks typically weight 1800-2100 kg/pair, chains 400-500 kg/pair

TECHNICAL DATA COMPARISON

	PONSSE Elk	PONSSE Wisent	JD 1110 G	Komatsu 845
Load capacity	13 000 kg	12 000 kg	12 000 kg	12 000 kg
Load area cross section	4,5 - 5,0 m ²	4,5 – 5,0 m ²	4,0 – 4.6 m ²	3,5 – 4,8 m ²
Tractive force	175 kN	165 kN	160 kN	166 kN
Weight, 8w (min)	17 300 kg	16 300 kg	17 130 kg	16 600 kg
Length	9380 - 9940 mm (+700 mm)	9080 - 9930 mm (+610 mm)	9820 - 10820 mm	9306 mm
Width	2690 - 3085 mm	2690 - 2840 mm	2700 - 2990 mm	2620 mm
Transport height	3900 mm	3810 mm	3870 mm	3800 mm
Ground clearance	670 mm	645 mm	660 mm	663 mm
Steering angle	±44°	±44°	±44°	±43°
Engine	3A: MB OM924LA (6 cyl) EU Stage 4 & Stage 5: MB OM934LA	3A: MB OM924LA (6 cyl) EU Stage 4 & 5: MB OM934LA	JD Powertech Plus 6080 (6 cyl.)	AgcoPower 49-AWF (4 cyl.)
Power	Stage 3A: 145 kW Stage 4 & Stage 5: 150 kW	Stage 3A: 145 kW Stage 4 & 5: 150 kW	Stage 3A, 4 & 5: 145 kW	Stage 4: 140 kW
Torque	3A: 705 Nm (1200-1600 rpm) EU Stage 4 & Stage 5: 800-850 Nm	3A: 705 Nm (1200-1600 rpm) EU Stage 4 & 5: 800-850 Nm	865 Nm (1300 - 1600 rpm)	830 Nm (1500 rpm)
Fuel tank capacity	150 l	150 l	167 l	120 l
Working pump	145 cm ³	145 cm ³	140 cm ³	-
Hydraulic oil flow @ 1600 rpm	217 l/min	217 l/min	210 l/min	210 l/min
Hydr.oil container	130 l	130 l	161 l	127 l
Crane	Ponsse K70+ / K90+	Ponsse K70+	CF5/CF7	105F
Lifting moment (gross)	106 / 140 kNm	106 kNm	102/125 kNm	103 kNm
Max. reach	K70+: 10 m K90+: 7,8 / 10 m	K70+: 10 m	CF5: 8,5 / 10 m CF7: 8,5 / 10 m	105F: 7.7/9.5/10 m