



PONSSE

TECHNICAL DATA

- ELK -

Technical data, ELK

DIMENSIONS

Length	9 380 – 9 940 mm (369 – 391 in) + glide bunk 700 mm (27 in)
Width	2 690 – 3 085 mm (106-122 in)
Transportation height (Max)	3 900 mm (153.5 in)
Ground clearance	670 mm (26,4 in)
Weight	8 wheel: 17 300 kg (38 000 lbs) Typical 8w: 18 800 kg (41 400 lbs)

LOAD CAPACITY

Load capacity	13 000 kg (28 660 lbs)
Load space cross section	4,5 m ² – 5,0 m ² (VLA 4,5 m ² – 6,0 m ²) (48 – 65 sq ft)
Load space length	4 210 – 4 770 mm (165 -188 in) + glide bunk 700 mm (27 in)

CRANE

Model	PONSSE K70+ / K190+
Lifting moment	K70+ = 106 kNm (78,18 lb-ft) K90+= 140 kNm (103,26 lb-ft)
Reach	K70+ M: 10,0 m (32,8 ft) K90+ S: 7,8 m / M: 10,0 m (25.9 or 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	175 kN (39 300 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”
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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 2765:

Tyre Rim offset	600 +20	600 -35	710 0	710 -75	800 -50
Machine width (nominal)	2690 mm	2800 mm	2840 mm	2990 mm	3026 mm
Max. track width	846 mm	956 mm	886 mm	1036 mm	986 mm

Bogie PO100, load space 2915:

600 +20	600 -35	710 0	710 -75	800 -50
Not allowed	Not allowed	2840 mm	2990 mm	3026 mm
		No tracks	886 mm	No tracks

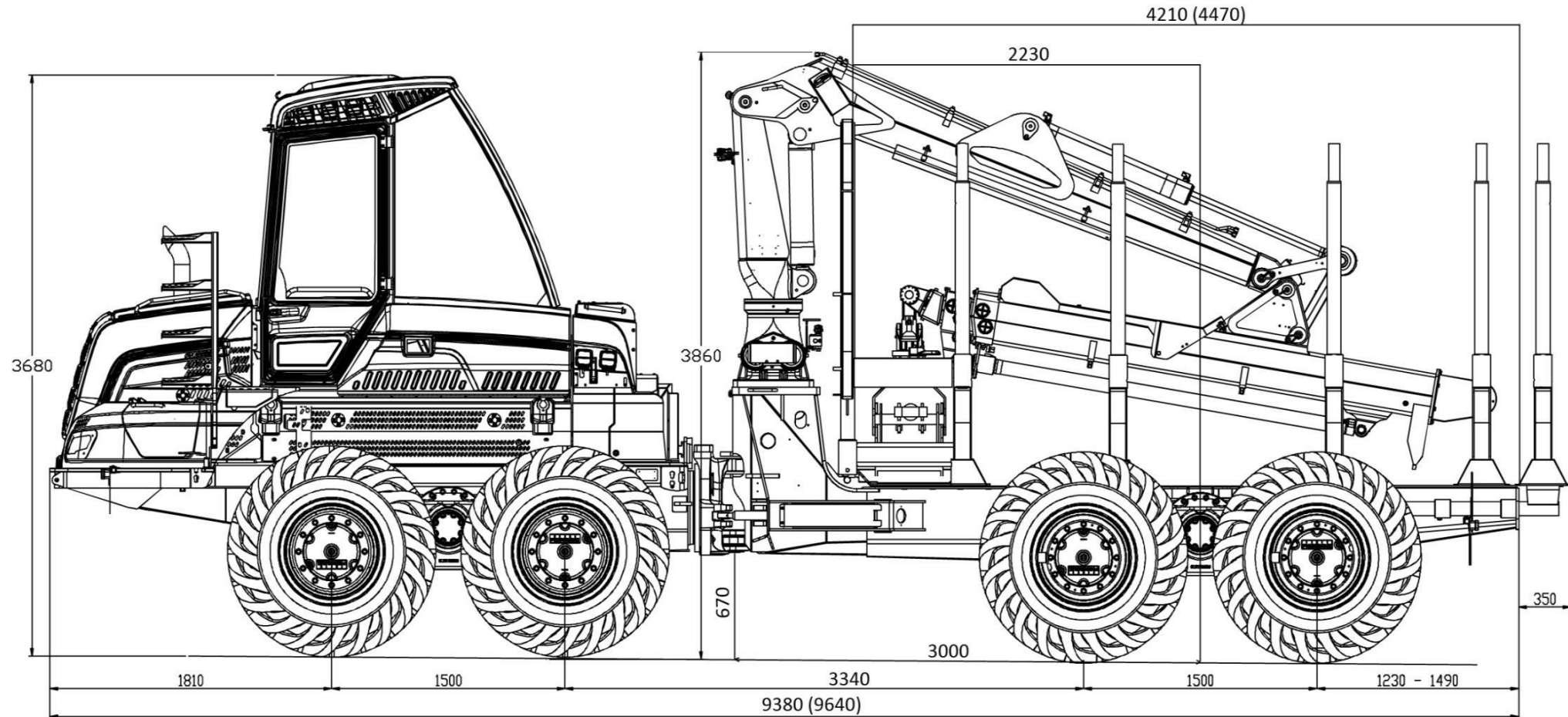
Bogie PO98 (balanced), load space 2765:

Tyre Rim offset	600 +20	600 -35	710 0	710 -75	800 -50
Machine width (nominal)	2750 mm	2860 mm	2900 mm	3050 mm	3086 mm
Max. track width	906 mm	1016 mm	946 mm	1096 mm	1046 mm

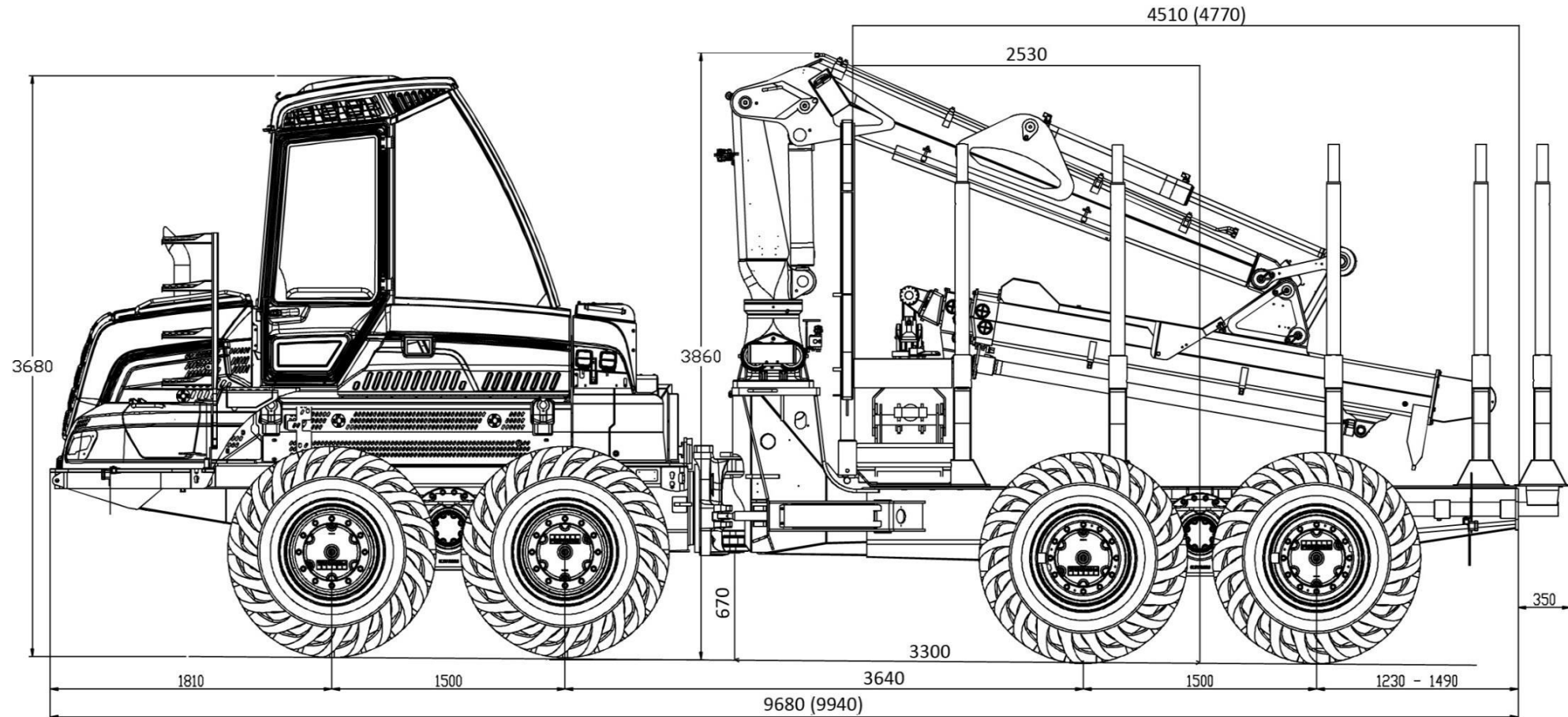
Bogie PO98 (balanced), load space 2915:

600 +20	600 -35	710 0	710 -75	800 -50
Not allowed	Not allowed	2900 mm	3050 mm	3086 mm
		796 mm	946 mm	896 mm

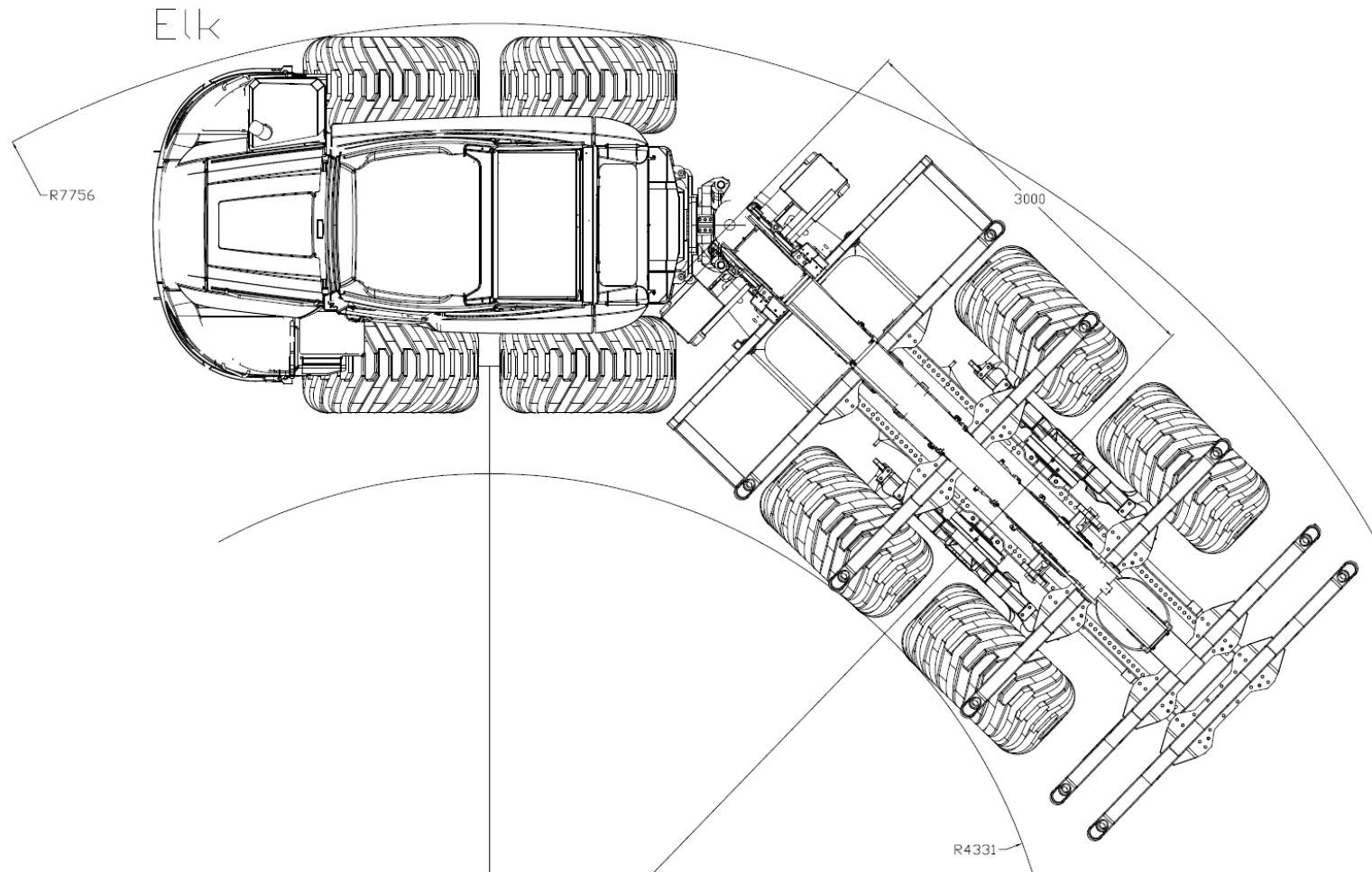
ELK 3000 rear frame, short (long)extension



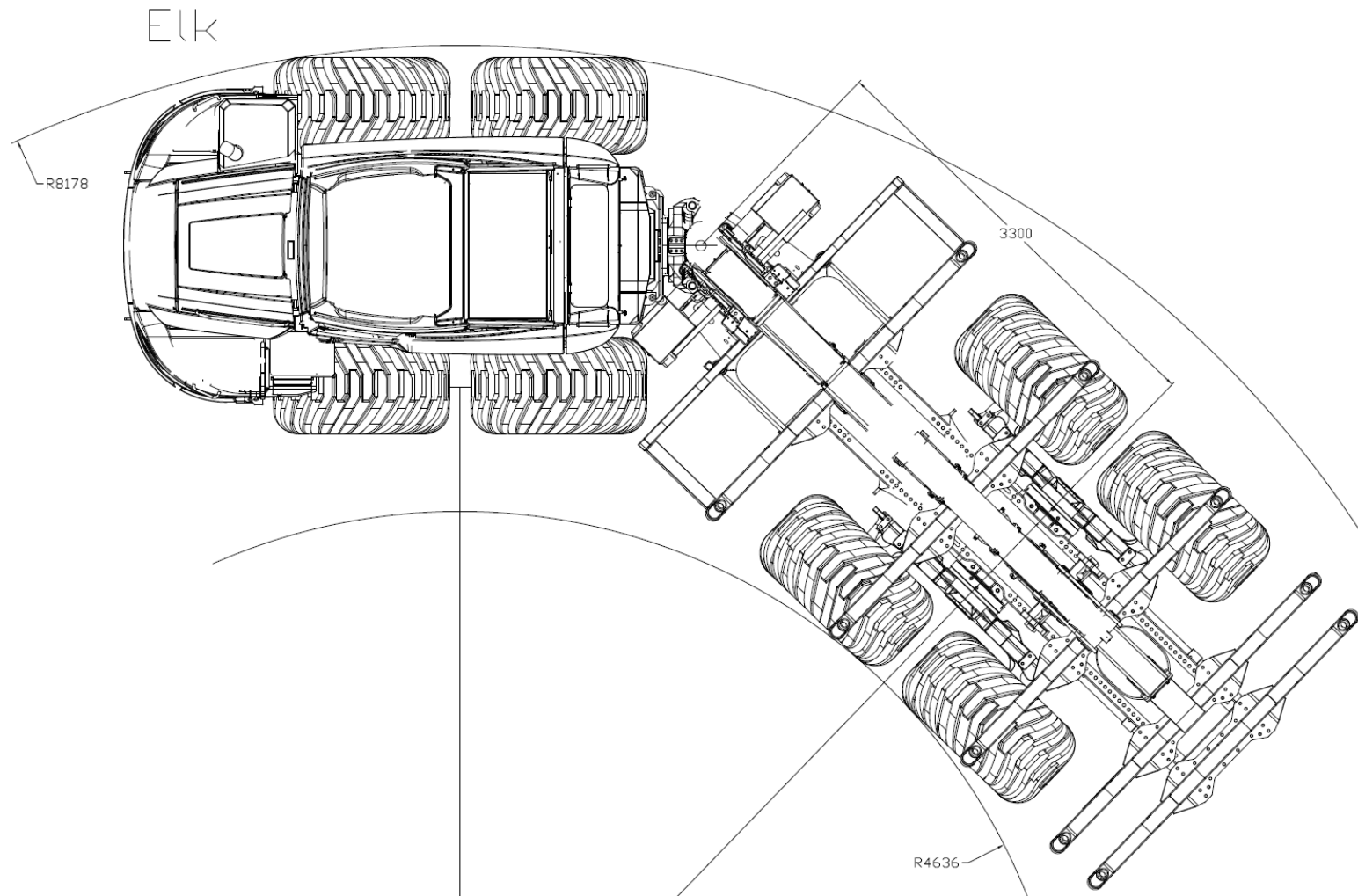
ELK 3300 rear frame, short (long)extension



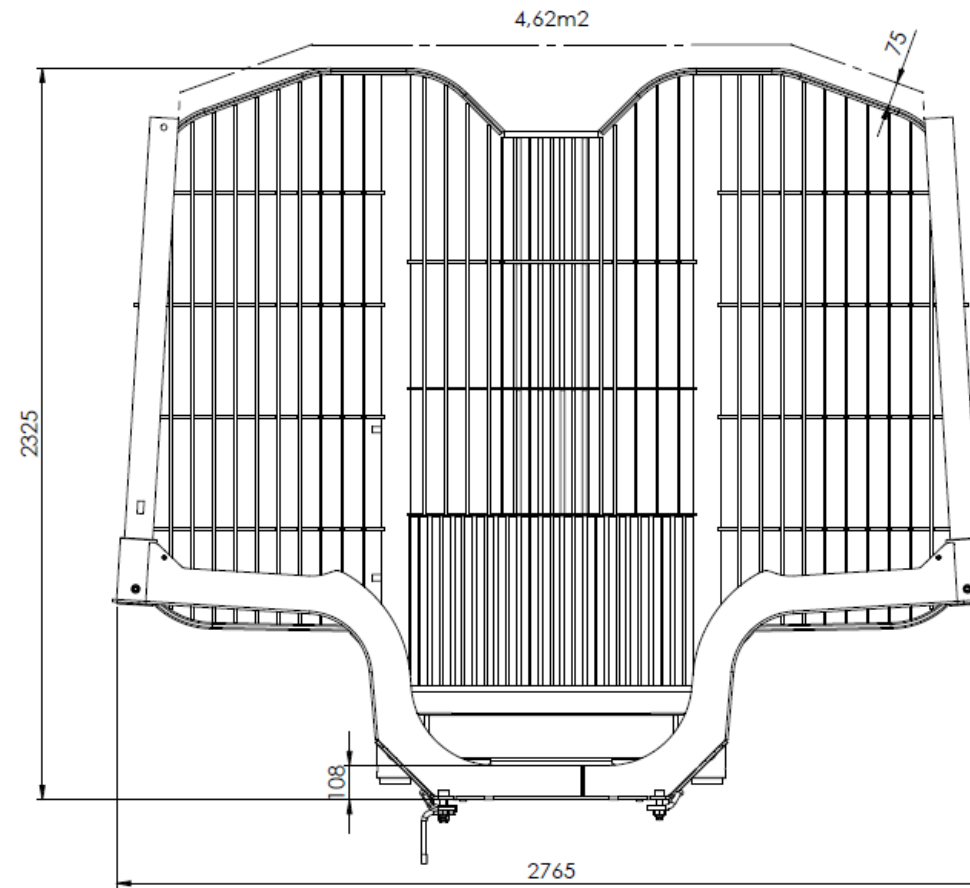
ELK 3000 rear frame, turning radius



ELK 3300 rear frame, turning radius



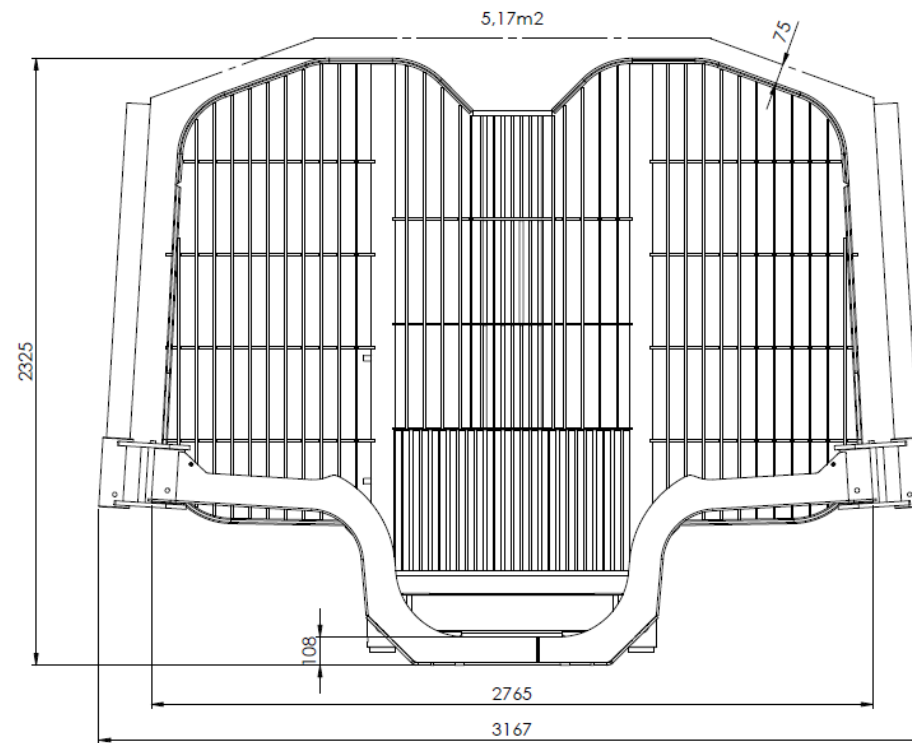
Load space 4,62



Kuormatila 2765

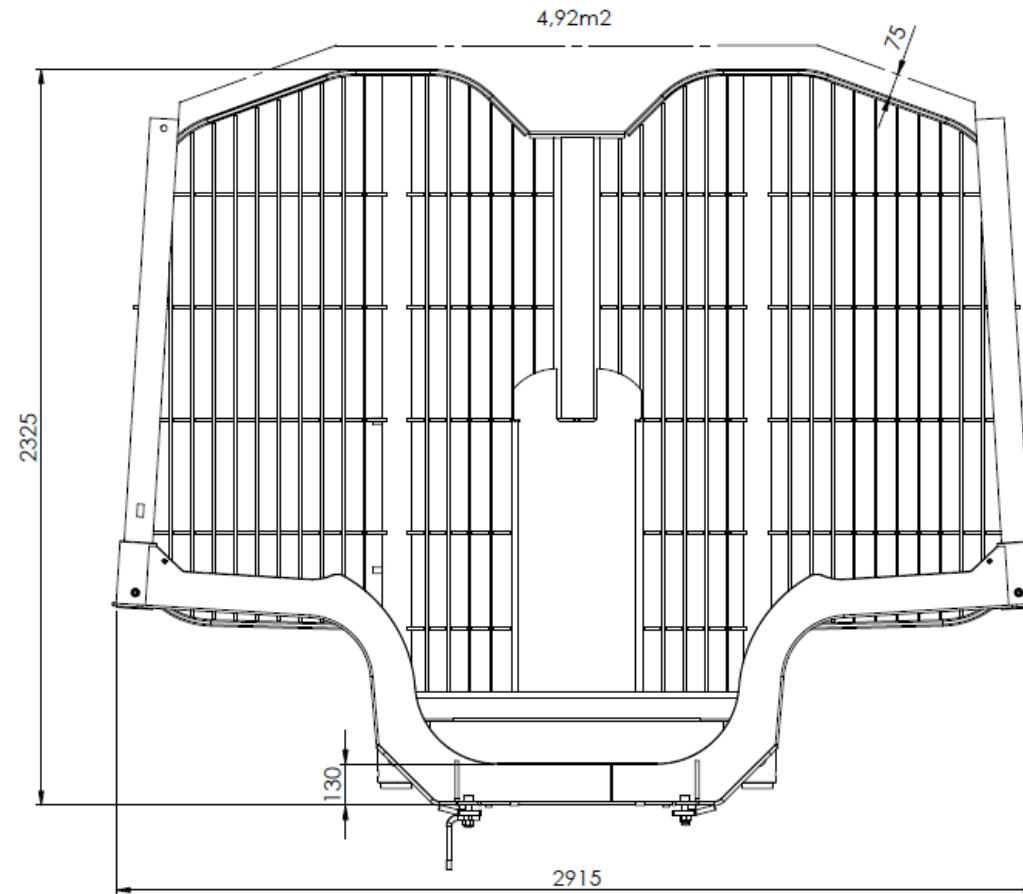
V03766

Load space 5,17



Kuormatila 2765

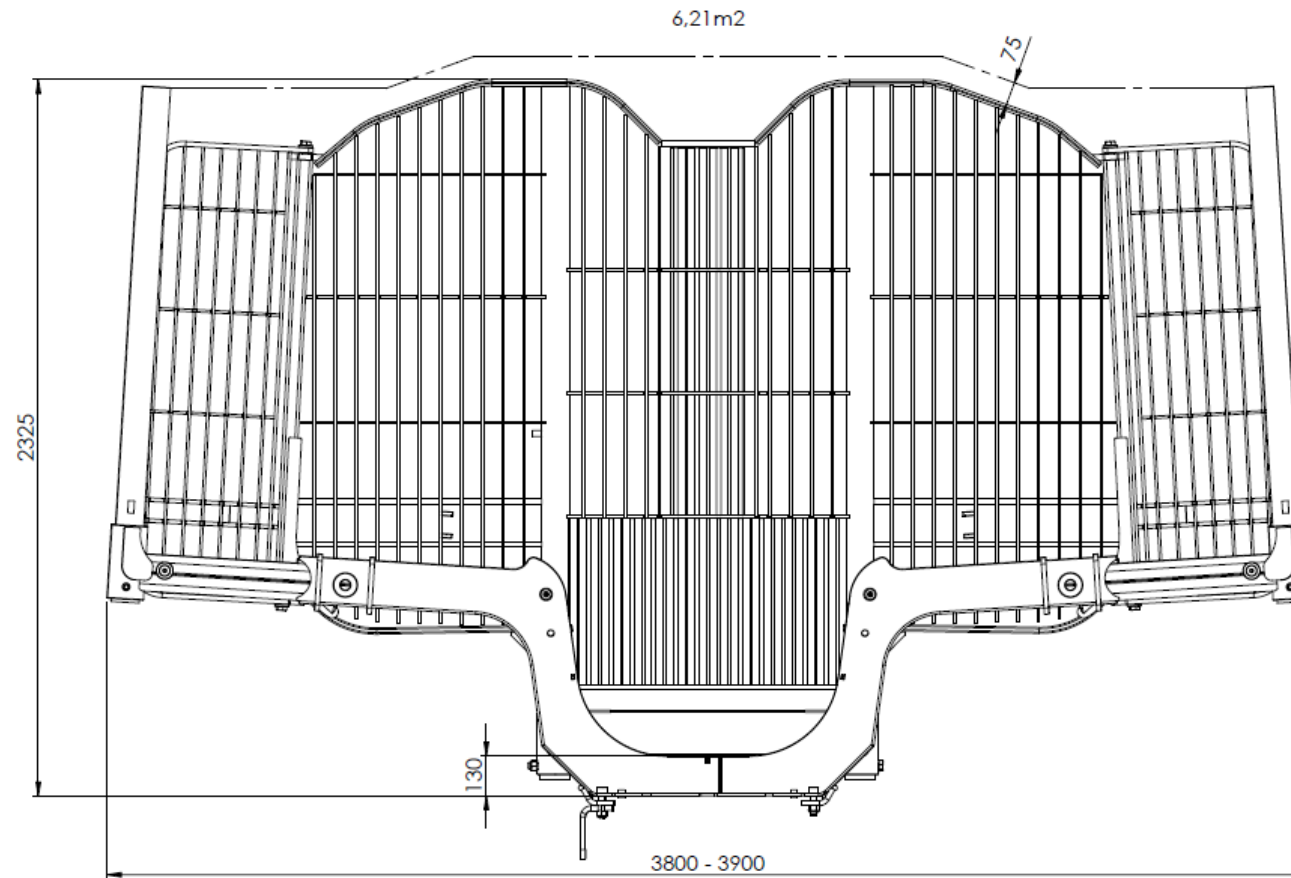
Load space 4,92



Kuormatila 2915

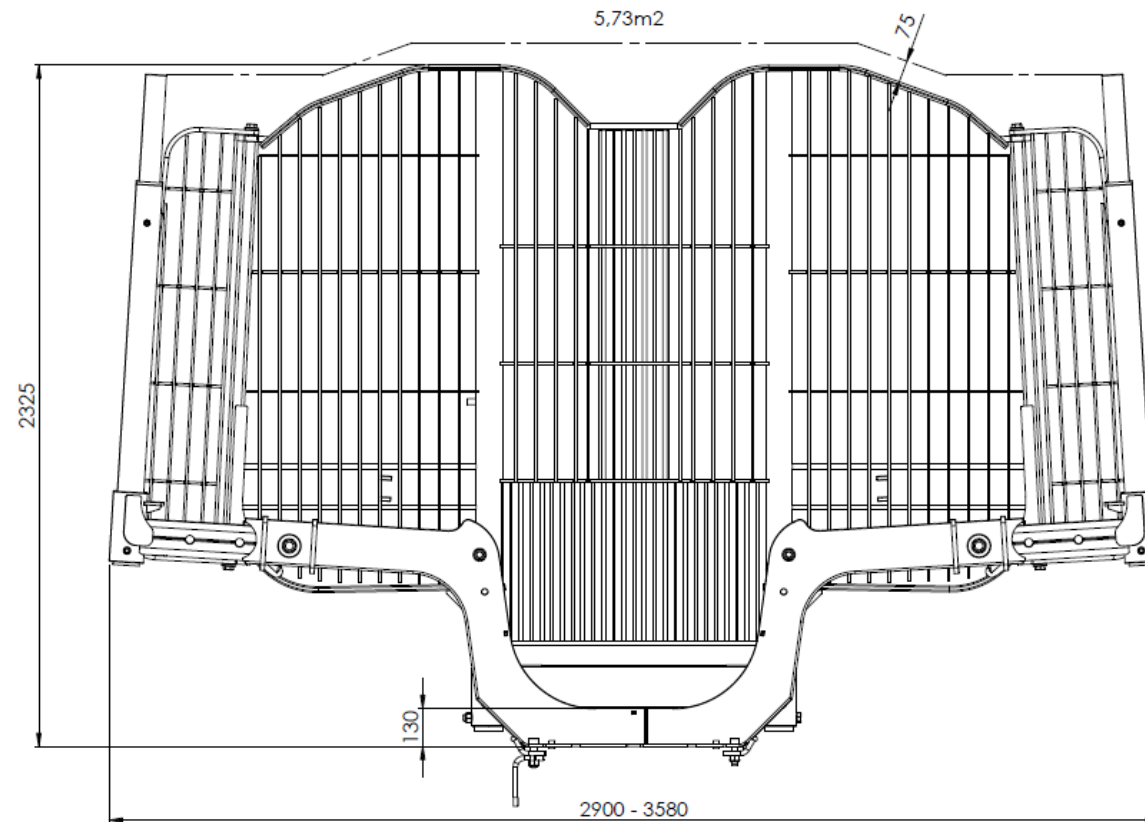
V03767

Load space VLA hydraulic



Hydraulic VLA
K01563

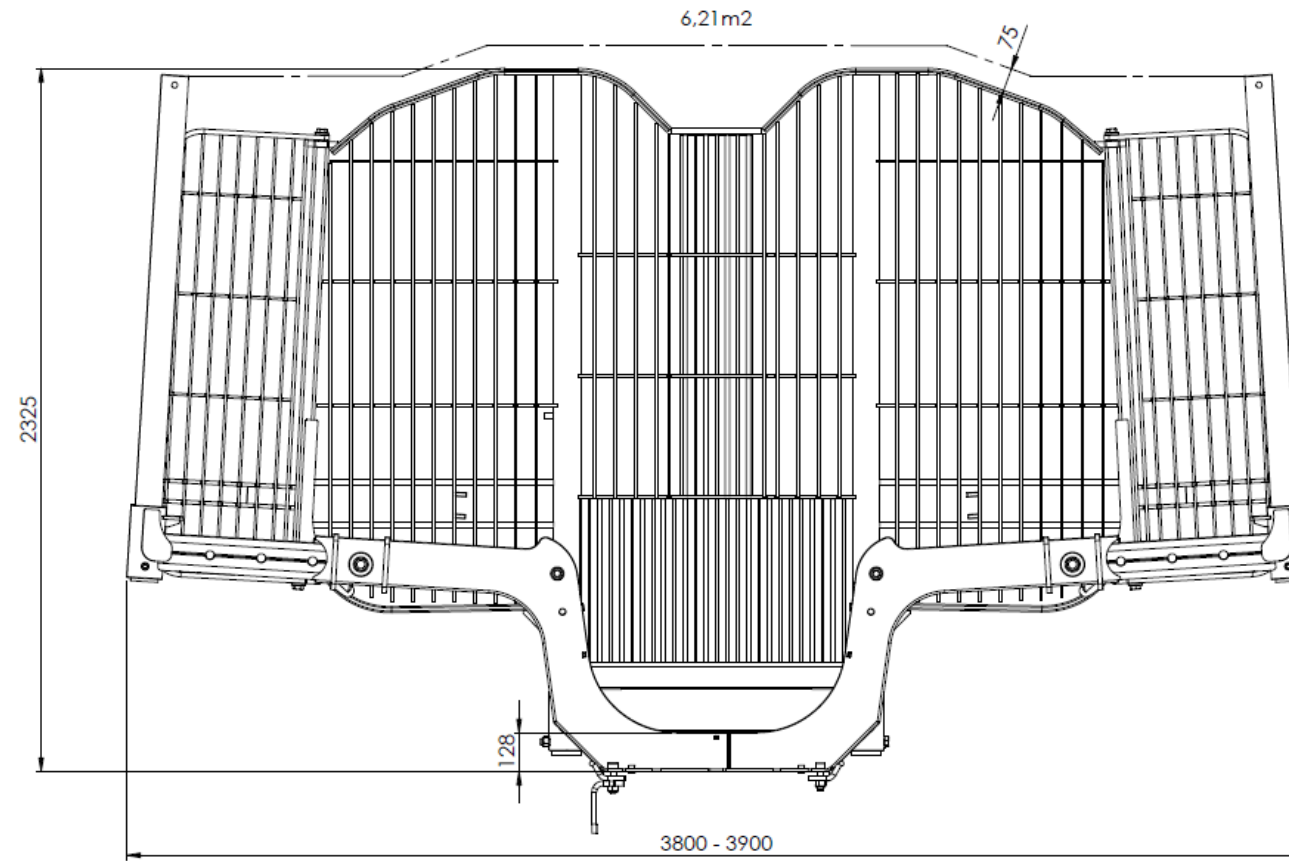
Load space VLA Mechanical limited opening



Mechanical VLA & limited

K01584

Load space VLA Mechanical



Mechanical VLA

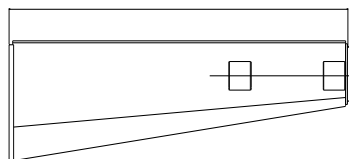
K01588

PONSSE ELK

LOAD AREA LENGTH WITH DIFFERENT OPTIONS

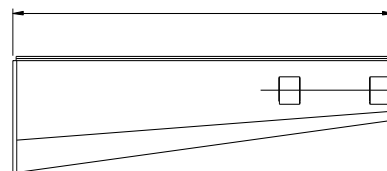
REAR FRAME EXTENSION 3 OPTION	LOAD AREA LENGTH WITH DIFFERENT FRAME OPTIONS, REAR FAME EXTENSION OPTIONS AND GLIDE BUNK			
	Short rear frame 3000 mm Without glide bunk	Short rear frame 3000 mm + glide bunk 700 mm	Long rear frame 3300 mm Without glide bunk	Long rear frame 3300 mm + glide bunk 700 mm
(A) Short 1500 mm rear frame extension	4210 mm	4210 mm – 4910 mm	4510 mm	4510 mm – 5210 mm
(B) Long 1760 mm rear frame extension	4470 mm	4470 mm – 5170 mm	4770 mm	4770 mm – 5470 mm
(C) Winch extension 1800 mm	4510 mm	4510 mm – 5210 mm	4810 mm	4810 mm – 5510 mm

1500



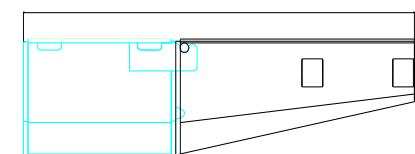
(A) Standard rear frame extension

1760



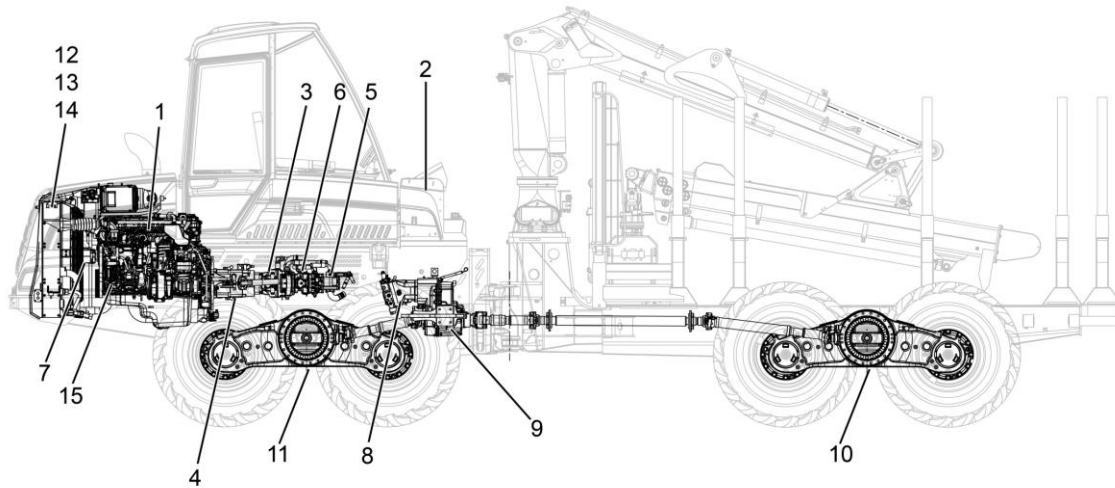
(B) long extension

1800



(C) winch extension

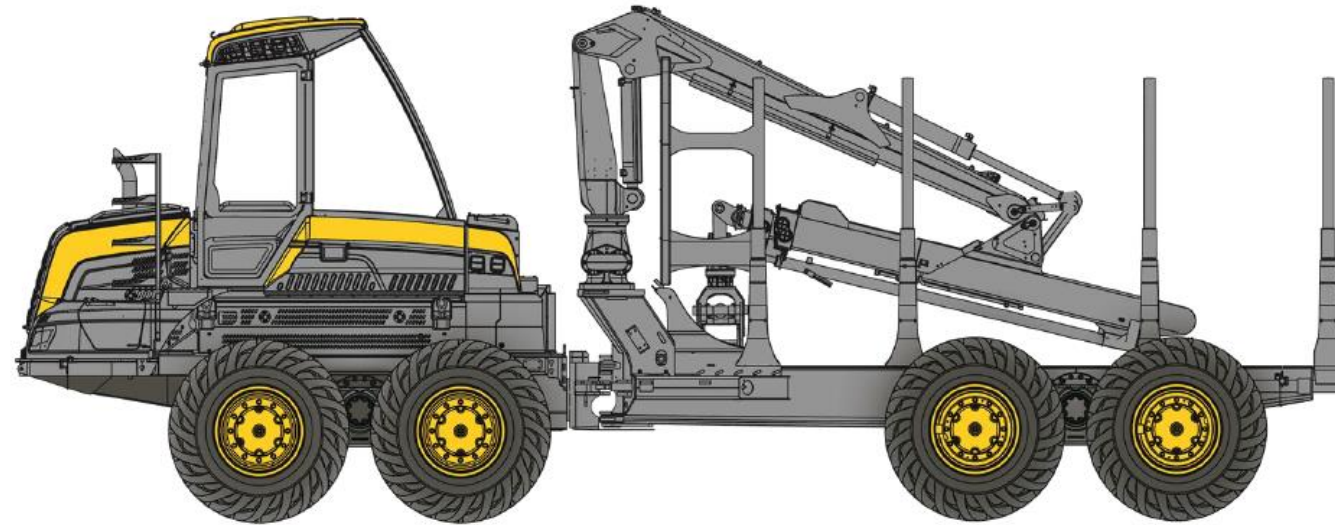
Main components ELK



- | | |
|-------------------------------|--|
| 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 ELK



No tracks / empty load, 710-tyres:
800-tyres:

front 57 kPa
front 50 kPa

rear 41 kPa
rear 36 kPa

No tracks / 13 ton load , 710-tyres:
800-tyres:

front 54 kPa
front 47 kPa

rear 111 kPa
rear 98 kPa

800 mm tracks / empty load:
800 mm tracks / 13 ton load:

front 34 kPa
front 33 kPa

rear 26 kPa
rear 62 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 1210 G	Komatsu 855
Load capacity	13 000 kg	12 000 kg	13 000 kg	14 000 kg
Load area cross section	4,5 - 5,0 m ²	4,5 - 5,0 m ²	4,0 - 5,3 m ²	4,4 - 5,9 m ²
Tractive force	175 kN	165 kN	175 kN	187 kN
Weight, 8w (min)	17 300 kg	16 300 kg	18 080 kg	18 000 kg
Length	9380 - 9940 mm (+700 mm)	9080 - 9930 mm (+610 mm)	9820 - 10820 mm	10 083 mm
Width	2690 - 3085 mm	2690 - 2840 mm	2746 - 3086 mm	2726 - 3134 mm
Transport height	3900 mm	3810 mm	3800 mm	3845 mm
Ground clearance	670 mm	645 mm	660 mm	710 mm
Steering angle	±44°	±44°	±44°	±42°
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 66-AWF (6 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: 156 kW	Stage 3A, 4 & 5: 170 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	935 Nm (1200 - 1500 rpm)	950 Nm (1500 rpm)
Fuel tank capacity	150 l	150 l	167 l	160 l
Working pump	145 cm ³	145 cm ³	160 cm ³	-
Hydraulic oil flow @ 1600 rpm	217 l/min	217 l/min	240 l/min	210 l/min
Hydr.oil container	130 l	130 l	161 l	120 l
Crane	Ponsse K70+ / K90+	Ponsse K70+	CF7	130F
Lifting moment (gross)	106 / 140 kNm	106 kNm	125 kNm	127 kNm
Max. reach	K70+: 10 m K90+: 7,8 / 10 m	K70+: 10 m	CF7: 8,5 / 10 m	130F: 8 / 10 m