

Technical data



Ponsse Bison AF - technical data in brief

DIMENSIONS	
Length	10 130 – 10 390 mm (399 – 409 in) + glide bunk 700 mm (27.5 in)
Width	2 950 – 3 090 mm (116 - 122 in)
Transportation height (Max)	3 900 mm (153.5 in)
Ground clearance	680 mm (27 in)
Weight	8 wheel: 22 000 kg (48 500 lbs) Typical 8w: 22 600 kg (49 800 lbs)
LOAD CAPACITY	
Load capacity	16 000 kg (35 300 lbs)
Load space cross section	4,5 m ² – 5,5 m ² (VLA 4,5 m ² – 6,0 m ²) (48 – 65 sq ft)
Load space length	4 540 – 5 450 mm (179 -214 in) + glide bunk 700 mm (28 in)
CRANE	
Model	PONSSE K101 / K111
Lifting moment	K101 = 140 kNm (103,26 lb-ft) K111 = 160 kNm (118,01 lb-ft)
Reach	K101 S: 8.1 m / M: 10 m (26,7 or 32,8 ft) K111 S: 8.1 m / M: 10 m (26,7 or 32,8 ft)
ENGINE	
Model	MB OM936 LA (EU Stage V)
Power	EU Stage V: 210 kW (286 hp)
Torque	Eu Stage 4: 1150 Nm
Fuel tank capacity	215 l (gal)
DRIVE TRANSMISSION	
Drive transmission	Constantly variable transmission, CVT
Pulling power	213 kN (lbf)
Tyre size	710/45 - 26,5" or 800/40 – 26,5"
HYDRAULIC SYSTEM	
Control system	Ponsse OptiControl
Working pump	2 x 80 cm ³ (4.9 cu in) *
Oil tank capacity	115 l (gal)

* cPOWER has high gear ratio to pump PTO's (other pump 28%, other 41% higher ratio) so pump output is significantly higher compared to pump displacement!

Max track width - different offset/wheels

Front bogie PO130			
Wheel	710/45-26,5	710/45-26,5	800/40-26,5
Rim offset	0	-75	-50
Machine width (order sheets)	2896 mm	3046 mm	3085 mm
Max. track width	816 mm	966 mm	916 mm

Rear bogie PO131 load space 2765			
Wheel	710/45-26,5	710/45-26,5	800/40-26,5
Rim offset	+70	0	+35
Machine width (order sheets)	2950 mm	3090 mm	3110 mm
Max. track width	No tracks	1020 mm	950 mm

Rear bogie PO131 load space 2915			
Wheel	710/45-26,5	710/45-26,5	800/40-26,5
Rim offset	+70	0	+35
Machine width (order sheets)	2950 mm	3090 mm	3110 mm
Max. track width	No tracks	990 mm	920 mm

Main components

1. Engine

LA (EU Stage 3A)

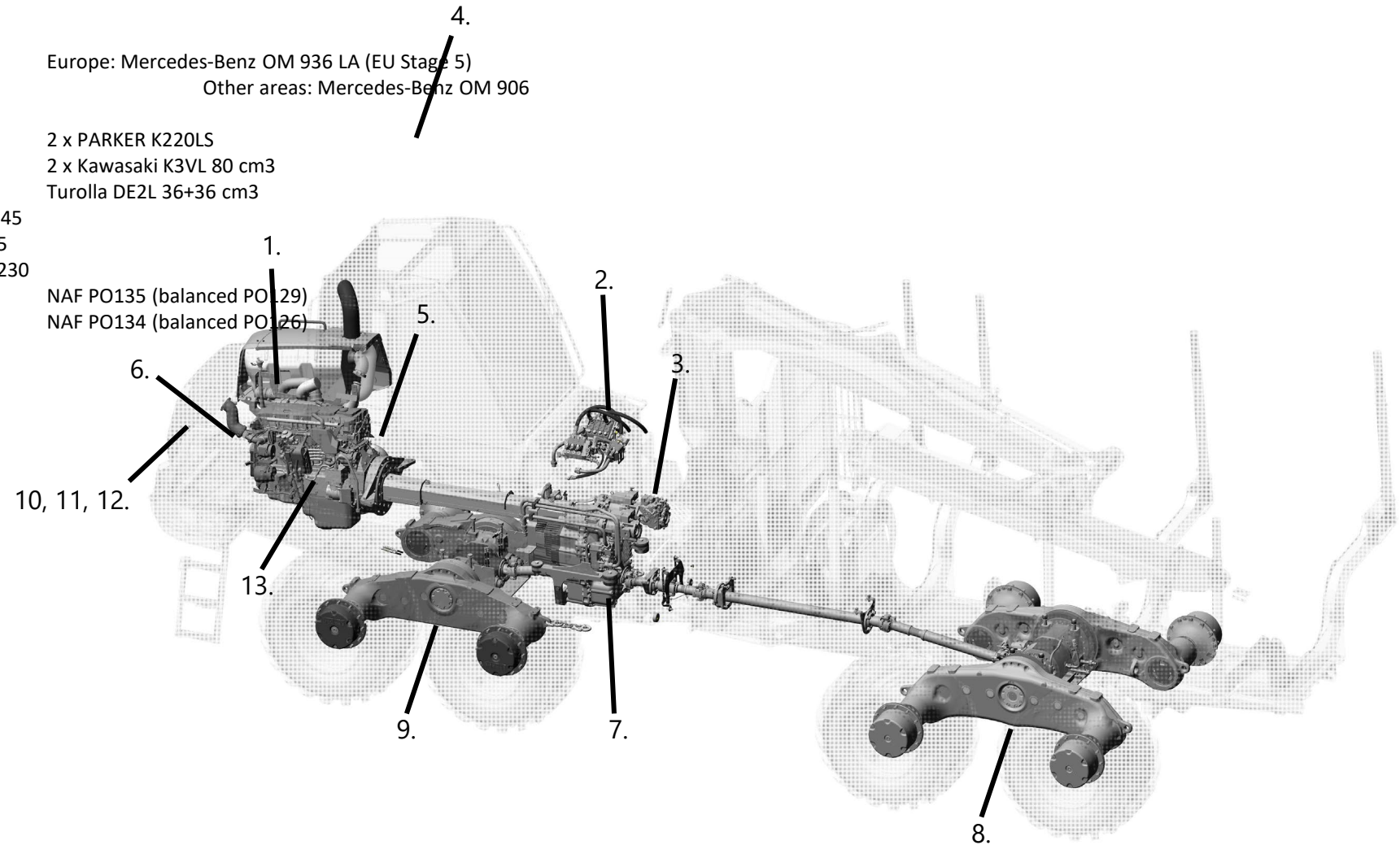
- 2. Directional valves
- 3. Working pumps
- 4. Circulation pump
- 5. Hydr. cooling fan pump
- 6. Hydr. cooling fan motor
- 7. Transmission gear box
- 8. Rear bogie
- 9. Front bogie/axel
- 10. Engine cooler
- 11. Air conditioner cooler
- 12. Hydraulic oil cooler
- 13. Air compressor

Europe: Mercedes-Benz OM 936 LA (EU Stage 5)
Other areas: Mercedes-Benz OM 906

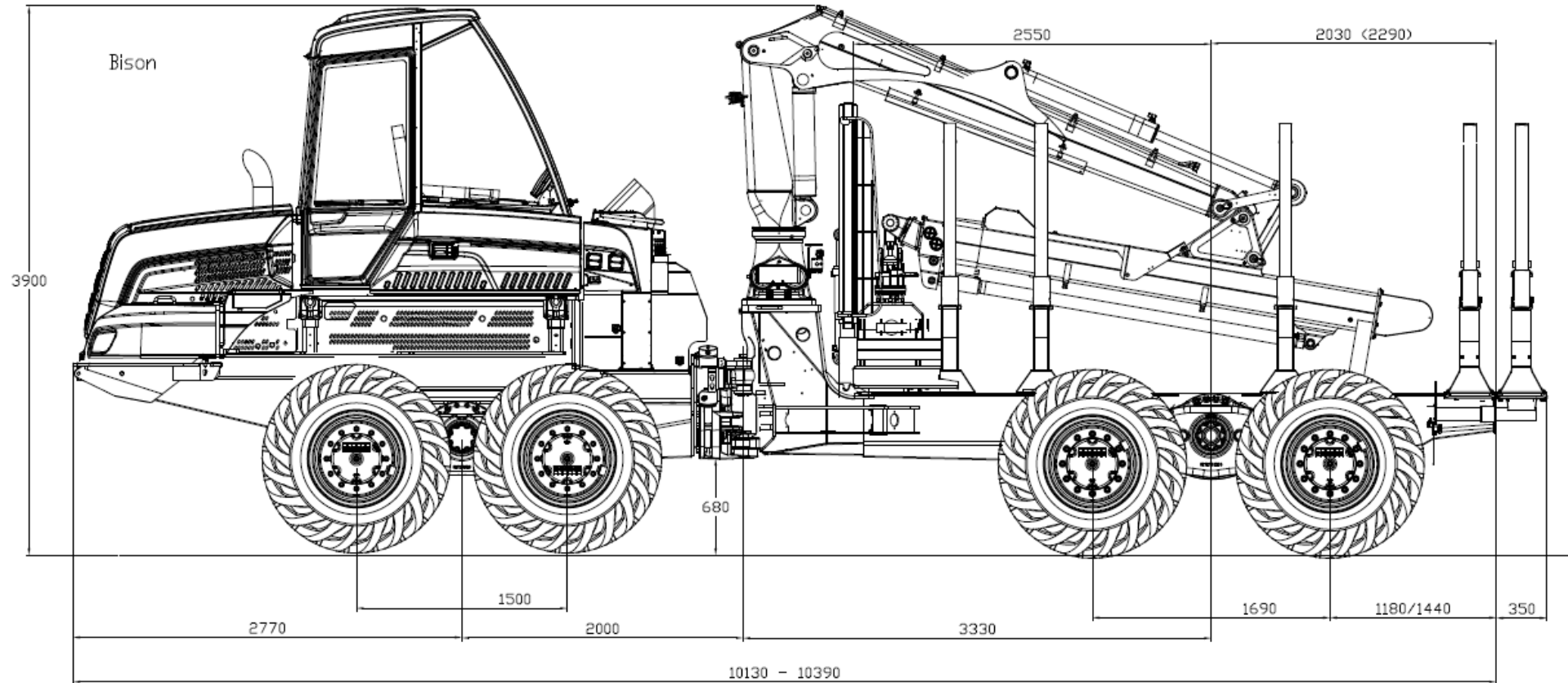
2 x PARKER K220LS
2 x Kawasaki K3VL 80 cm3
Turolla DE2L 36+36 cm3

Danfoss H1P45
Danfoss LC25
ZF cPOWER 230

NAF PO135 (balanced PO 29)
NAF PO134 (balanced PO 26)



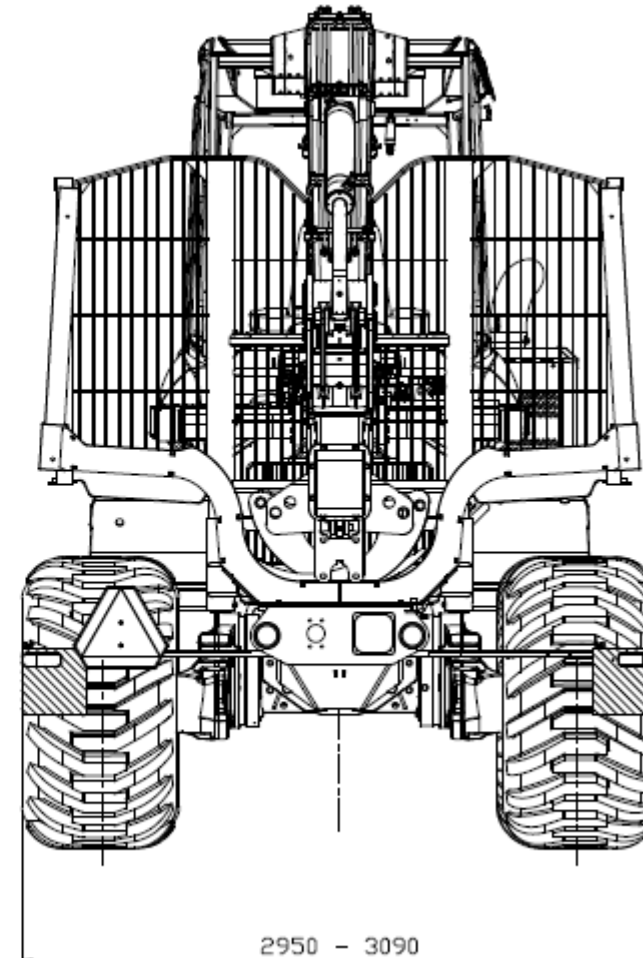
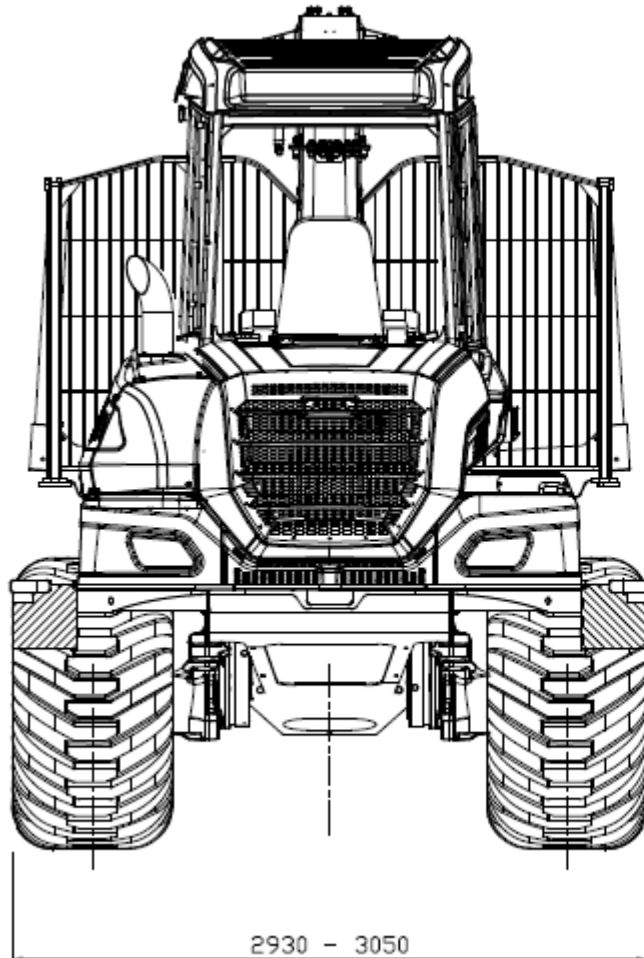
Dimensions 3300 mm rear frame, short/long extension



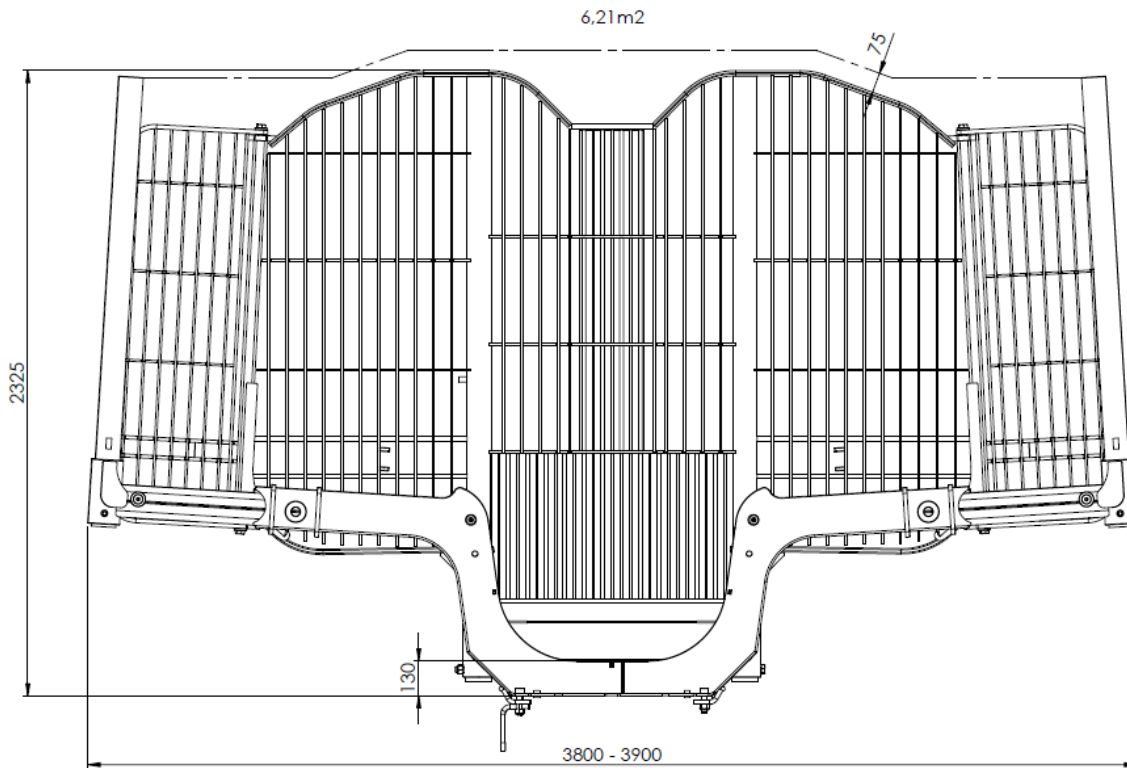
Rear frame length options: 3150 mm, 3330 mm or 3950 mm

Dimensions

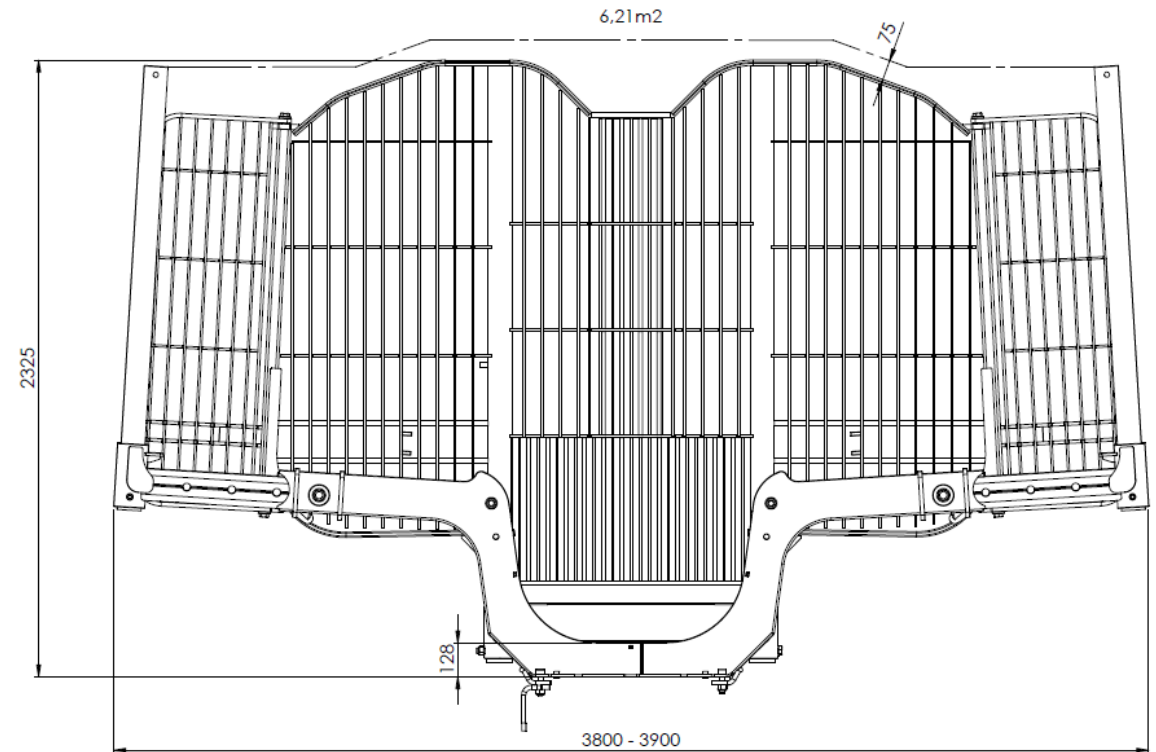
Width, front and rear



Load space VLA hydraulic & Mechanical

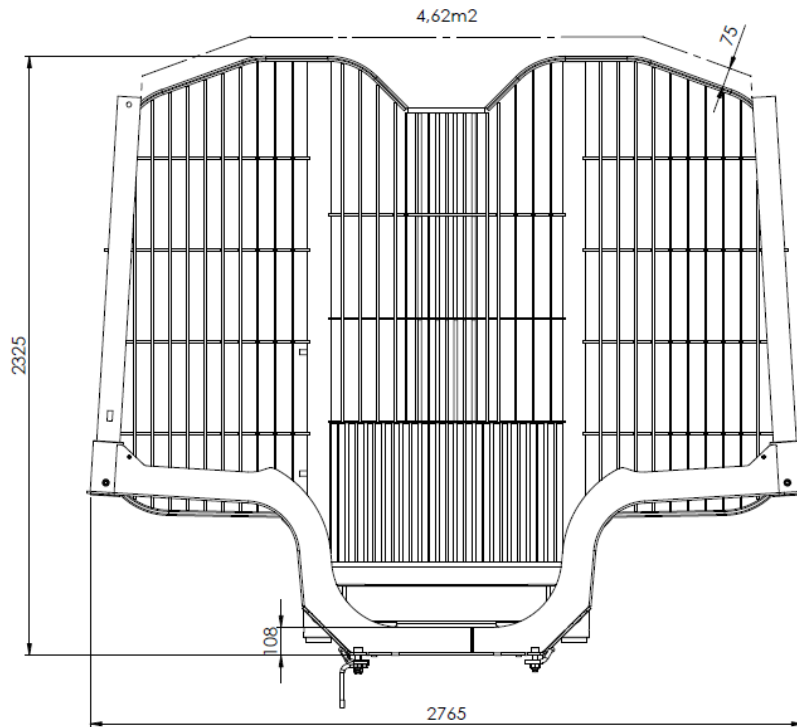


Hydraulic VLA
K01563



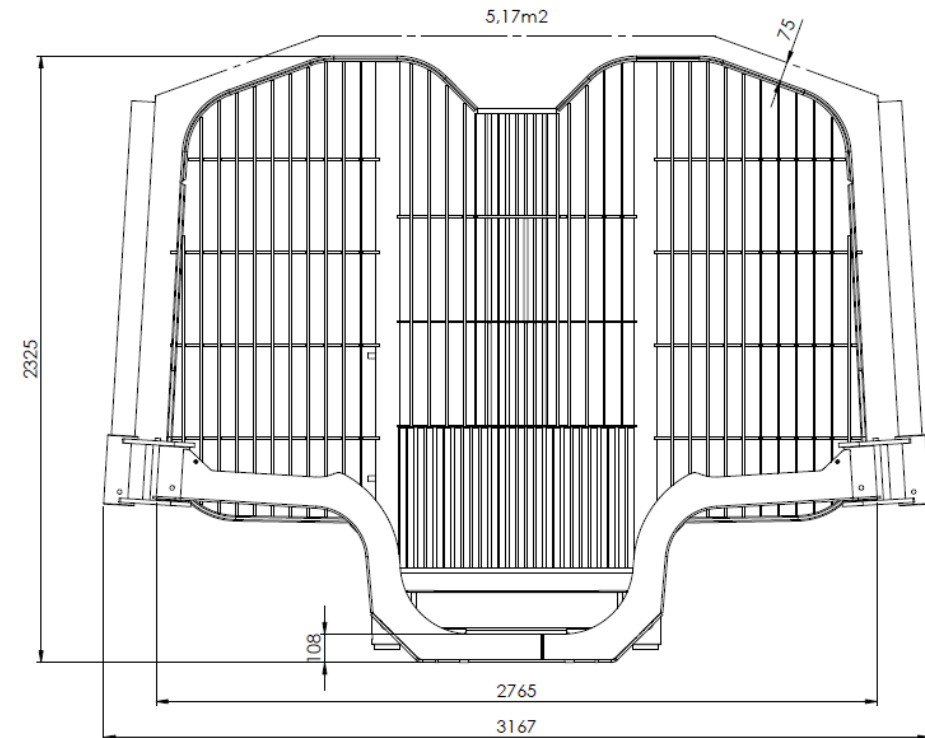
Mechanical VLA
K01588

Load space 4.62 m² & 5.17 m²



4.62 m² Load space*:

- 2765 mm wide log gate

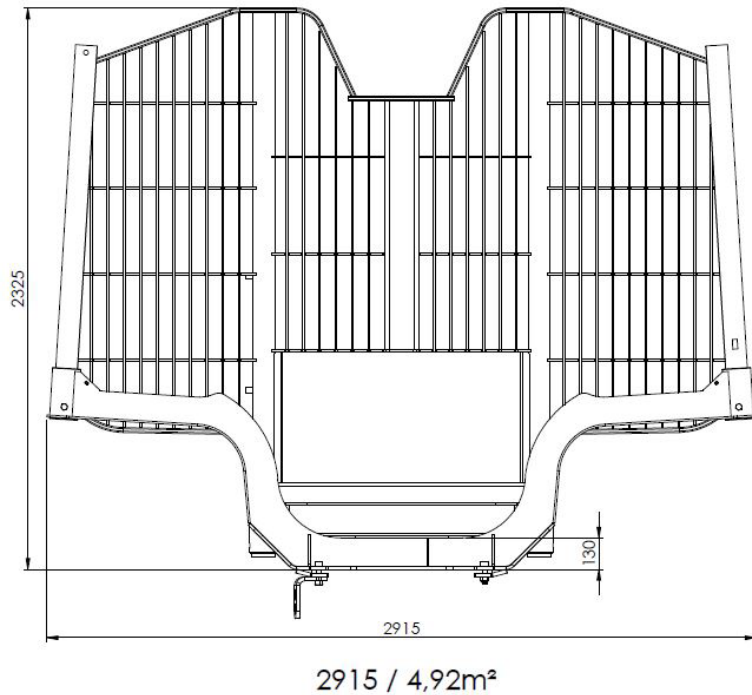


5.17 m² Load space*:

- Total width 3165 mm
- 2765 mm wide log gate
+ 200 mm extensioners on both side

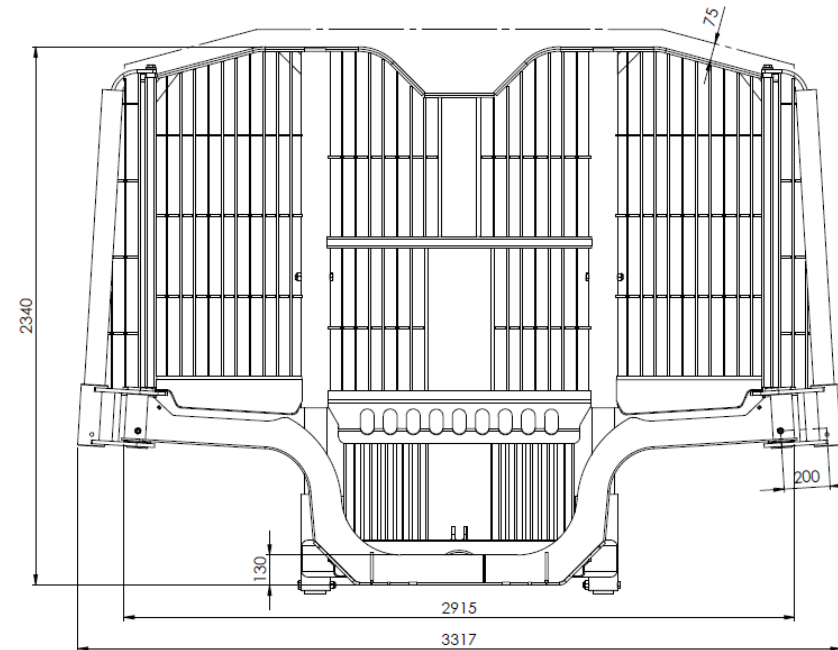
*Both Load spaces available with HD lifting screen

Load space 4.92 m² & 5.5 m²



4.92 m² Load space*:

- 2915 mm wide log gate

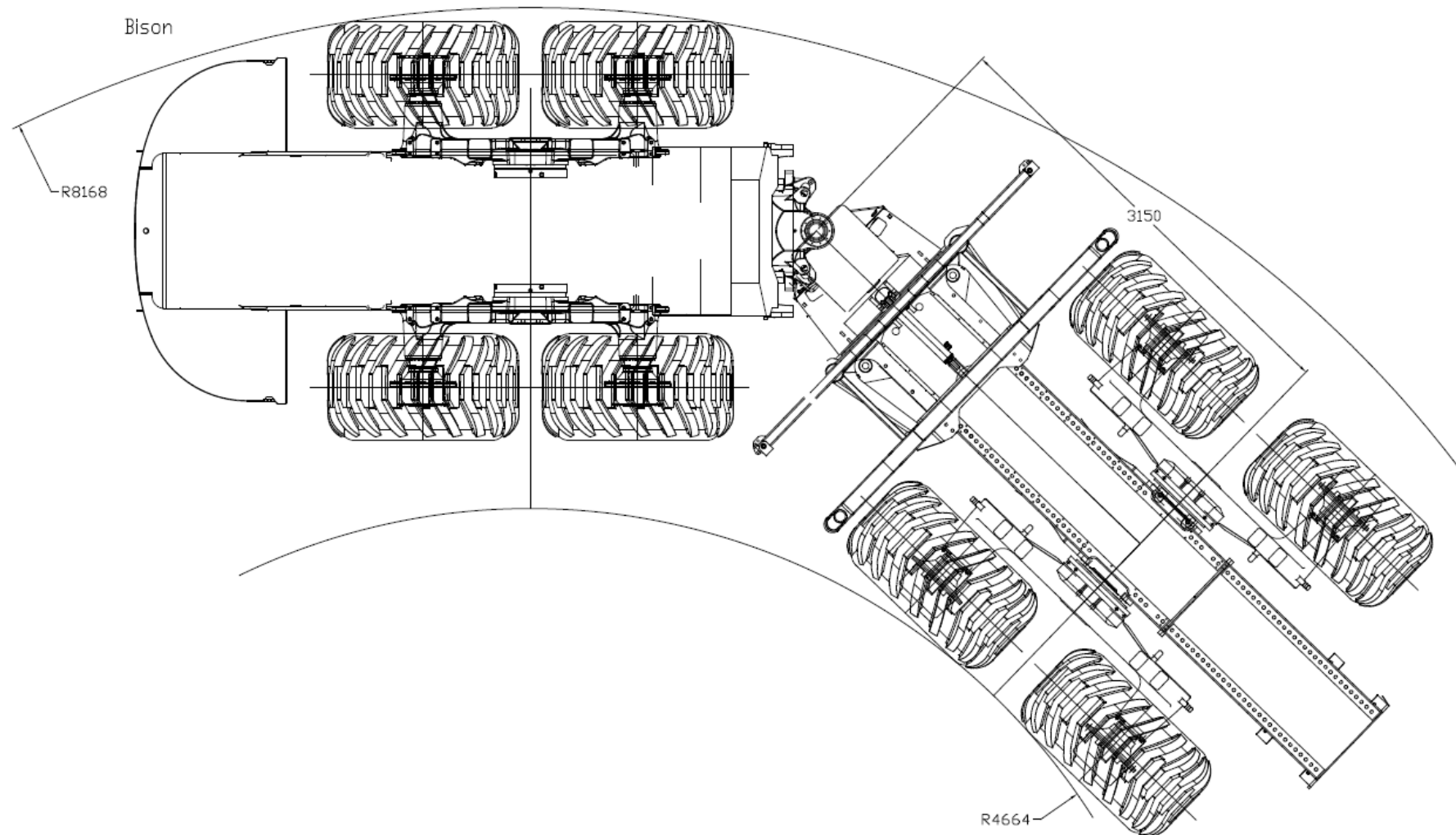


5.5 m² Load space*:

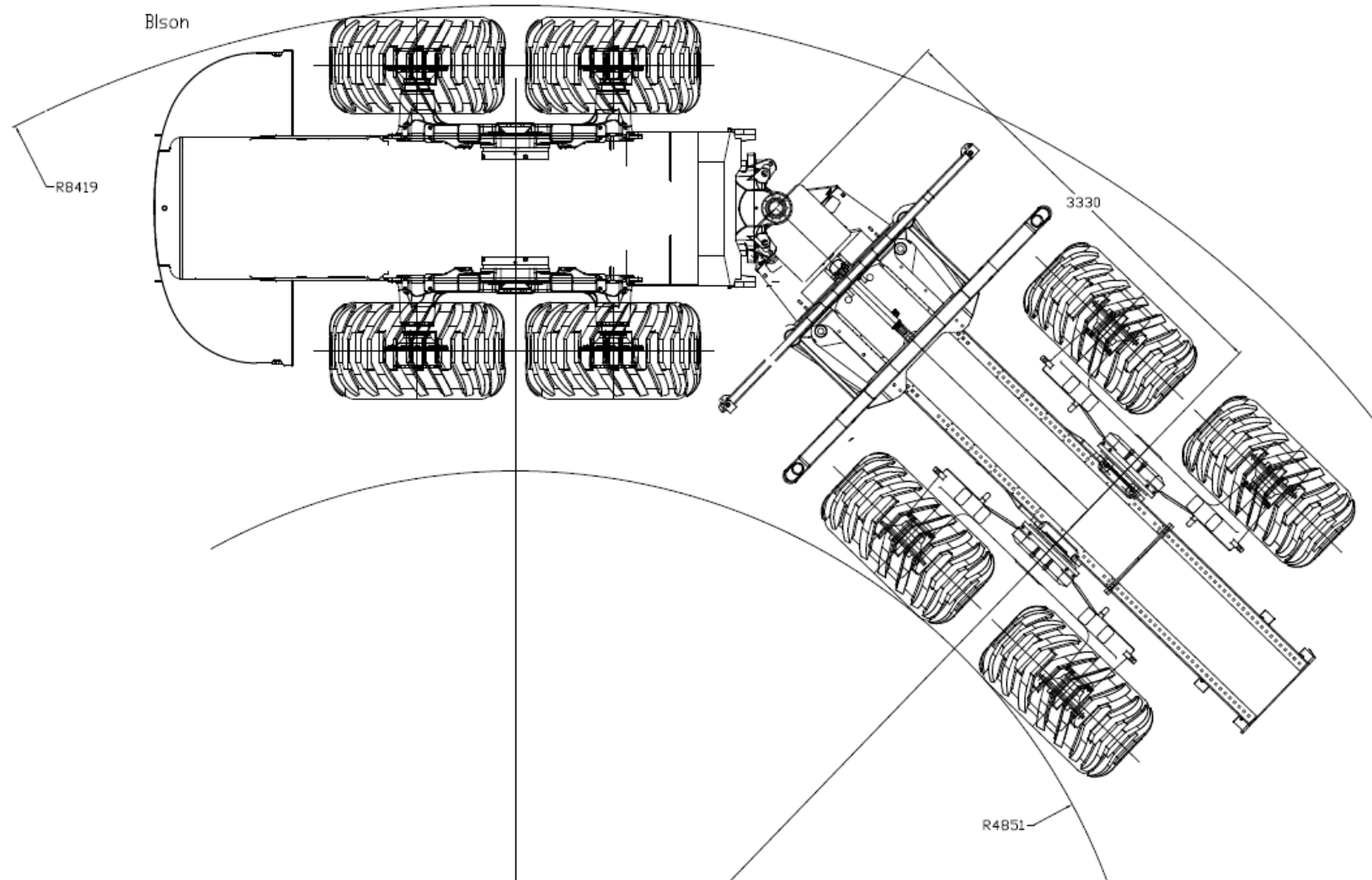
- Total width 3315 mm
- 2915 mm wide log gate
+ 200 mm extensioners on both side

* Both Load spaces available with HD lifting screen

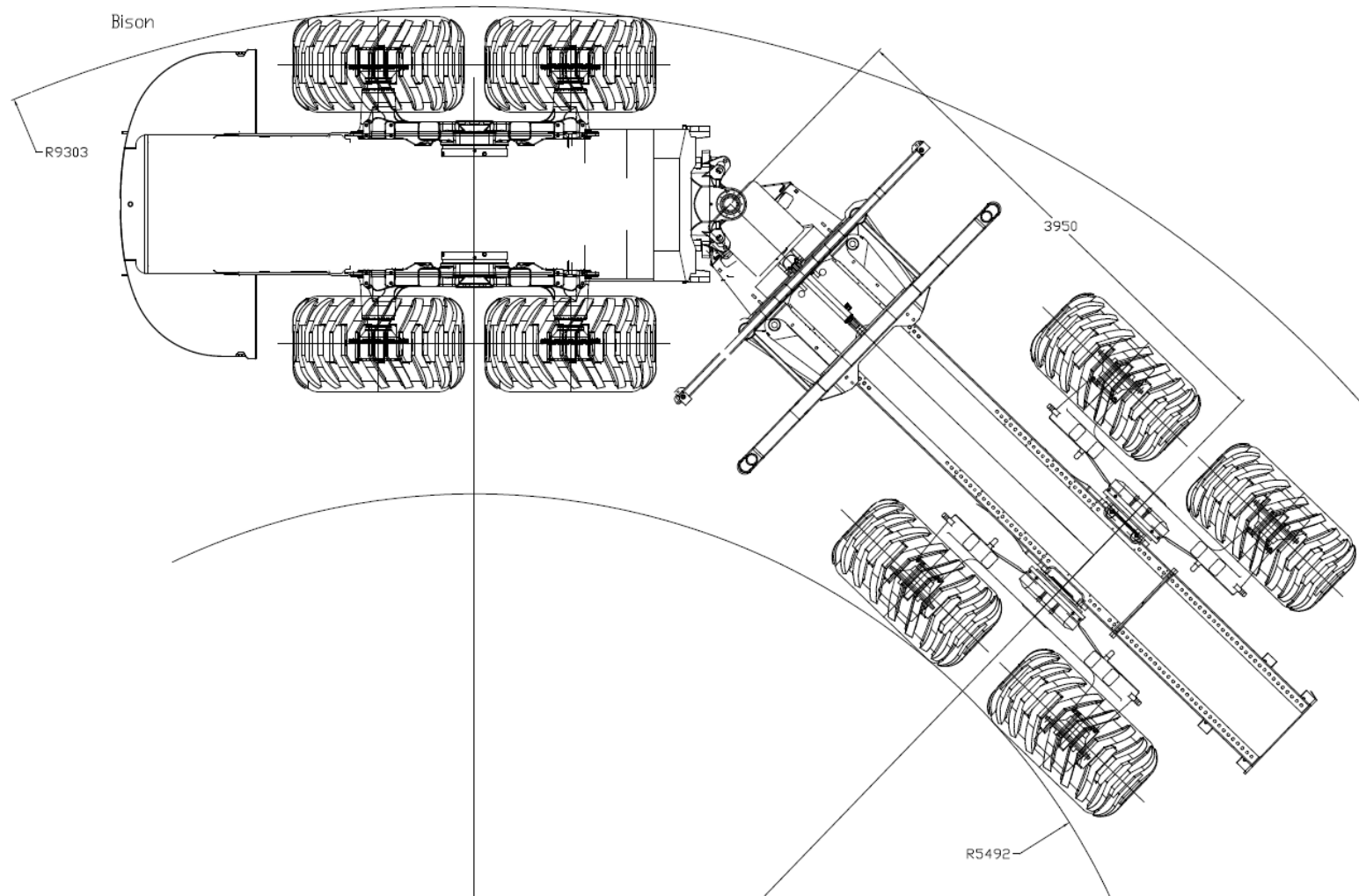
Turning radius 3150



Turning radius 3300



Turning radius 3900



Ground pressure Bison AF



	Front	Rear	Rear, 16 ton load
No tracks:	79 kPa	48 kPa	117 kPa
With 850mm tracks:	43 kPa	24 kPa	57 kPa