



PONSSE

TECHNICAL DATA

- BuffaloKing -

Technical data, Buffalo King

DIMENSIONS	
Length	10 600 – 10 860 mm (417– 4287 in) + glide bunk 700 mm (27 in)
Width	2990 – 3300 mm (123 – 125 in)
Transportation height (Max)	3990 mm (157 in)
Ground clearance	730 mm (32 in)
Weight	8 wheel: 20600 kg (40 786 lbs) Typical 8w: 21 100 kg (42 770 lbs)
LOAD CAPACITY	
Load capacity	18 000 kg (39 683 lbs)
Load space cross section	5,2 -5,8 m ² (56 – 63 sq ft)
Load space length	5 190 – 5 450 mm(179 -214 in) + glide bunk 700 mm (28 in)
CRANE	
Model	PONSSE K100+ PONSSE K111
Lifting moment	K100+ = 160 kNm (118,01 lb-ft) K111 = 160 kNm (118,01 lb-ft)
Reach, S/M model	K100+ S: 7,8 m / M: 9,5 m (25.6 or 31.2 ft) K111 S: 8.1 m / M: 10 m (26,7 or 32,8 ft)

ENGINE	
Model	MB OM906 LA (3A) MB OM936 LA (EU Stage 4 & 5)
Power	3A: 205 kW (275 hp) EU Stage 4 & 5: 210 kW (286 hp)
Torque	3A: 1100 Nm (1200-1600 rpm) Eu Stage 4: 1150 Nm (1200-1600 rpm) Eu Stage 5: 1200 Nm (1200-1600 rpm)
Pulling power	210 kN (49.000 lbf)
Fuel tank capacity	200 l (53 gal, US)
TIRES	
Front:	710/45 or 800/40 – 26,5”
Rear:	750/55 – 26,5”
HYDRAULIC SYSTEM	
Control system	Ponsse OptiControl
Working pump	190 cm ³ (11.6 cu in)
Oil tank capacity	170l (45 gal)

Machine width - different offset/wheels

FRONT

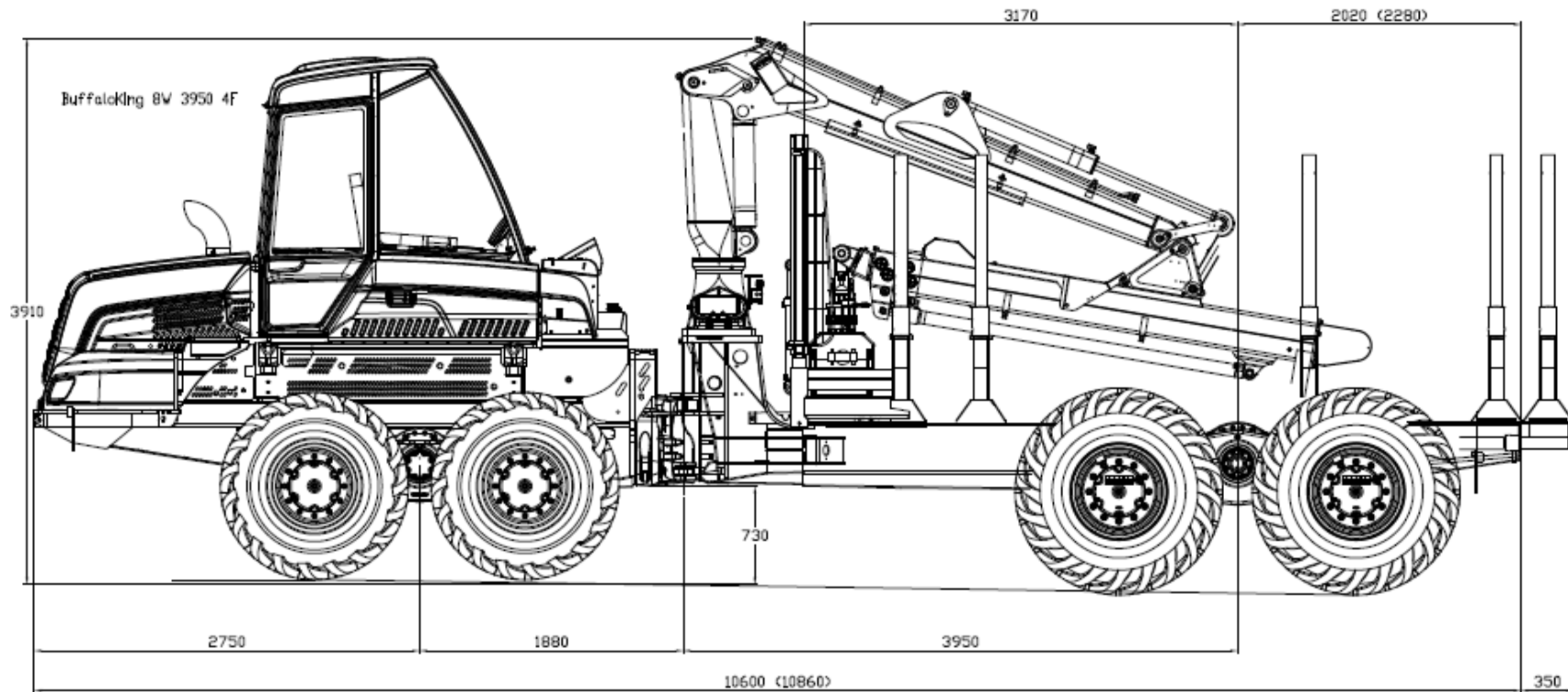
Tyre	710	710	800
Rim offset	0	-75	-50
Machine width (nominal)	2931 mm	3050 mm	3000 mm
Max. track width	880 mm	1030 mm	980 mm

REAR

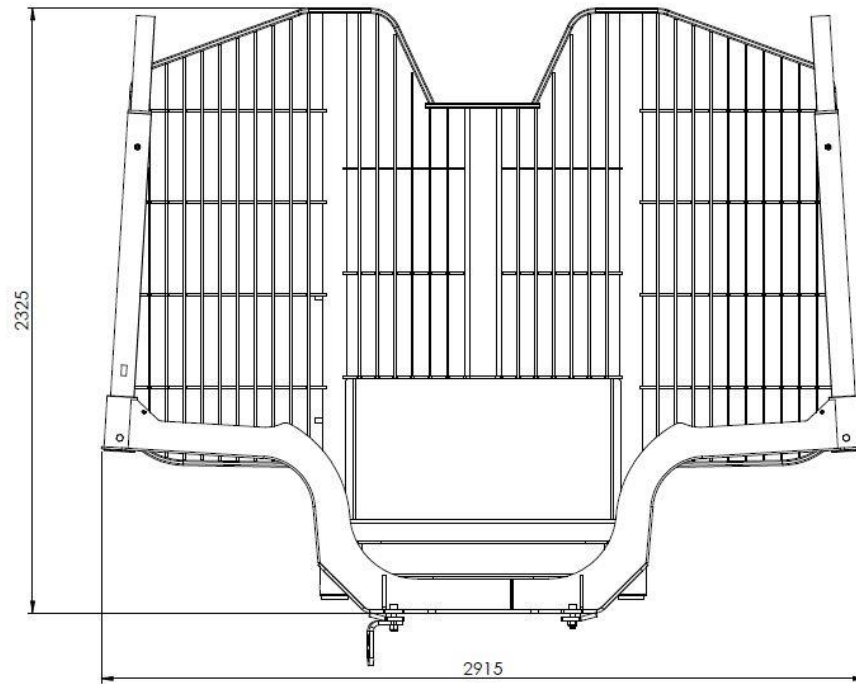
Tyre	750	750	750
Rim offset	0	+40	+70
Machine width (nominal)	3130 mm	3050 mm	2990 mm
Max. track width	970 mm	840 mm	No tracks

Buffalo King

3900 back frame, short/long extension



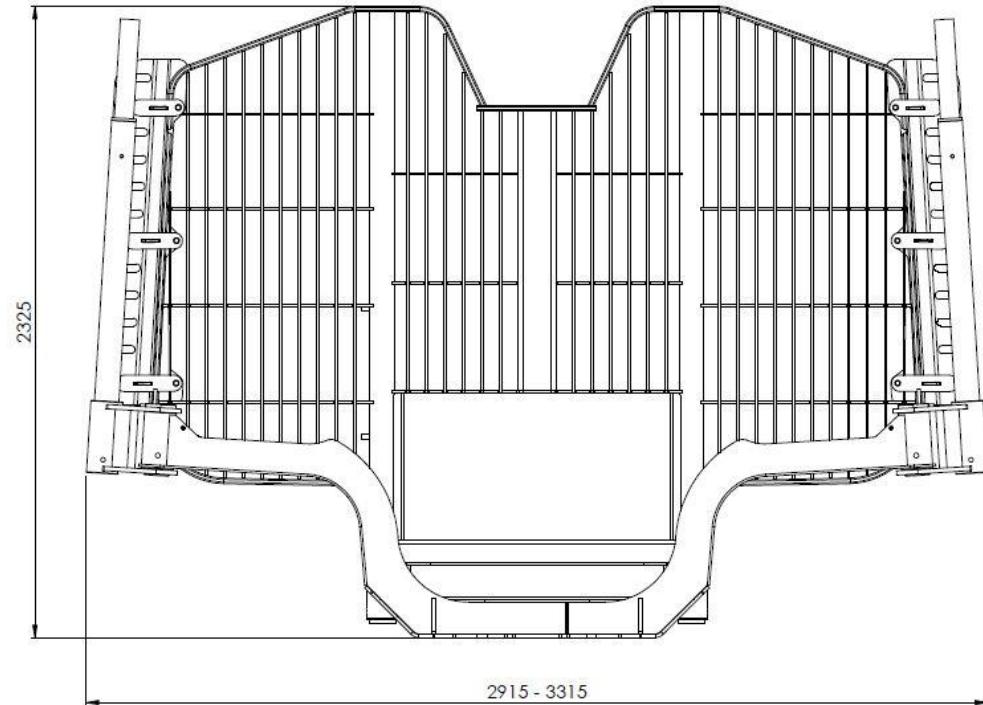
Load Spaces 5.2 m² & 5.8 m²



2915 / 5,2m²

5.2 m² Load space:

- 2915 mm wide log gate

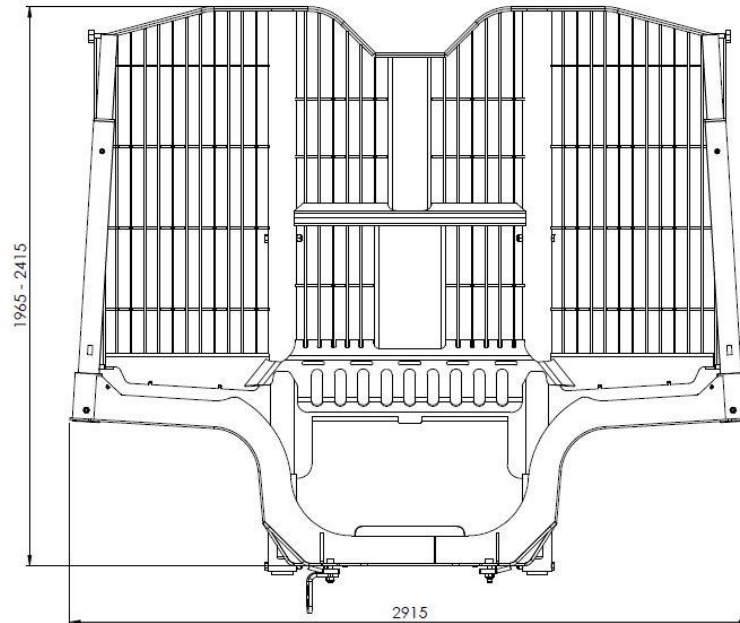


3315 (2915+400) / 5,8m²

5.8 m² Load space:

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

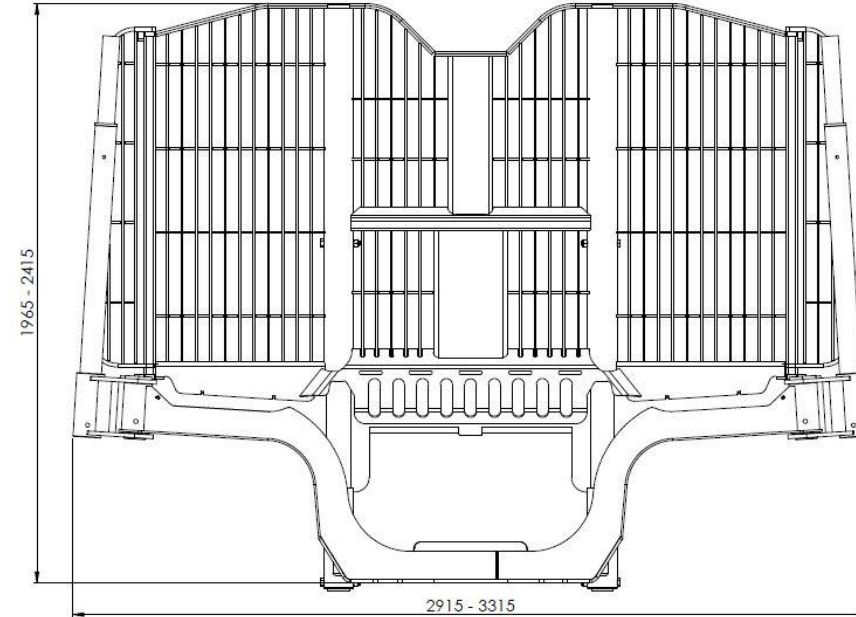
Lifting screen HD log gate



HD lifting log gate 2915 / 5,2m²

5.2 m² Load space:

- 2915 mm wide log gate

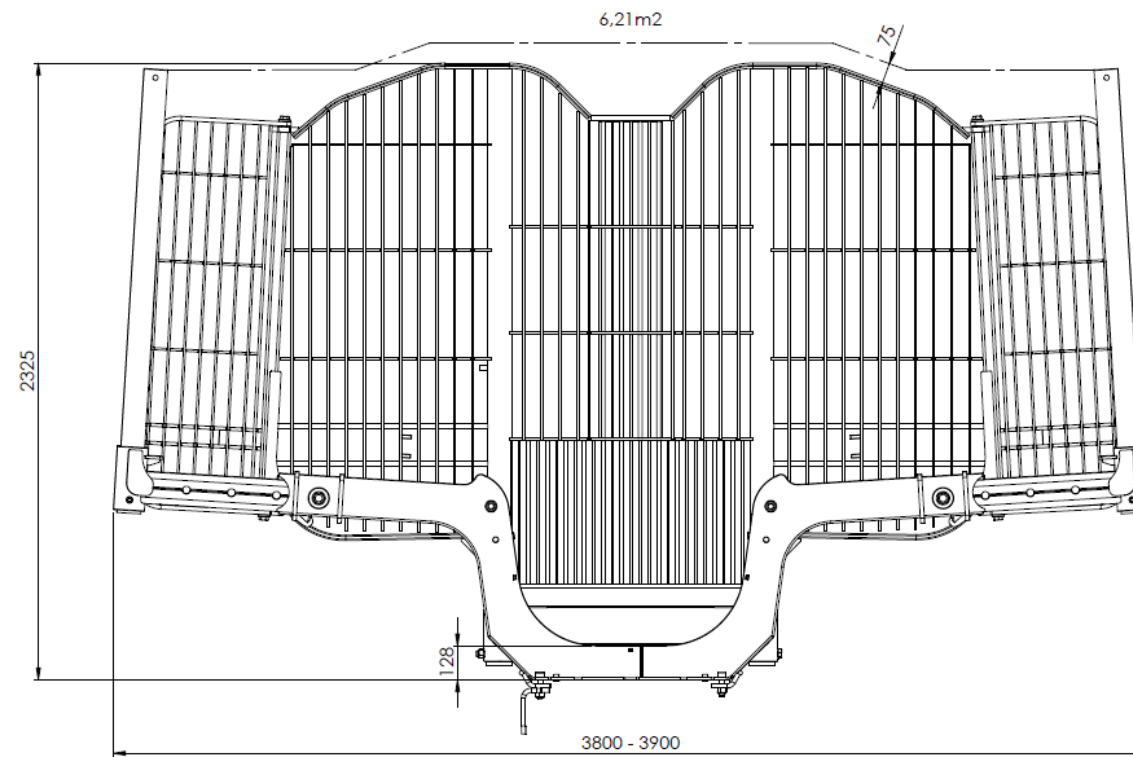


HD lifting log gate 3315 (2915+400) / 5,8m²

5.8 m² Load space:

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

Load space VLA Mechanical



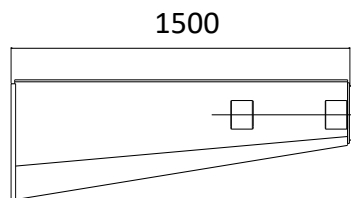
Mechanical VLA

K01588

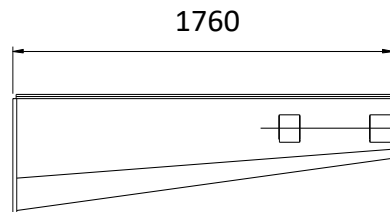
PONSSE Buffalo King

LOAD AREA LENGTH WITH DIFFERENT OPTIONS

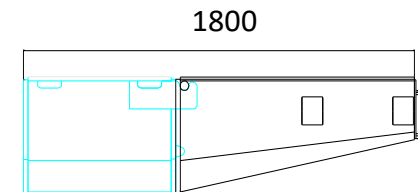
REAR FRAME EXTENSION 3 OPTION	LOAD AREA LENGTH WITH DIFFERENT FRAME OPTIONS, REAR FRAME EXTENSION OPTIONS AND GLIDE BUNK			
	Long rear frame 3950 mm without glide bunk	Long rear frame 3950 mm + glide bunk 700 mm		
(A) Standard rear frame extension 1500 mm	5190 mm	5190 mm – 5890 mm		
(B) Long rear frame extension 1760 mm	5450 mm	5400 mm – 6150 mm		
(C) Winch extension 1800 mm	5490 mm	5490 mm – 6190 mm		



(A) Standard rear frame extension

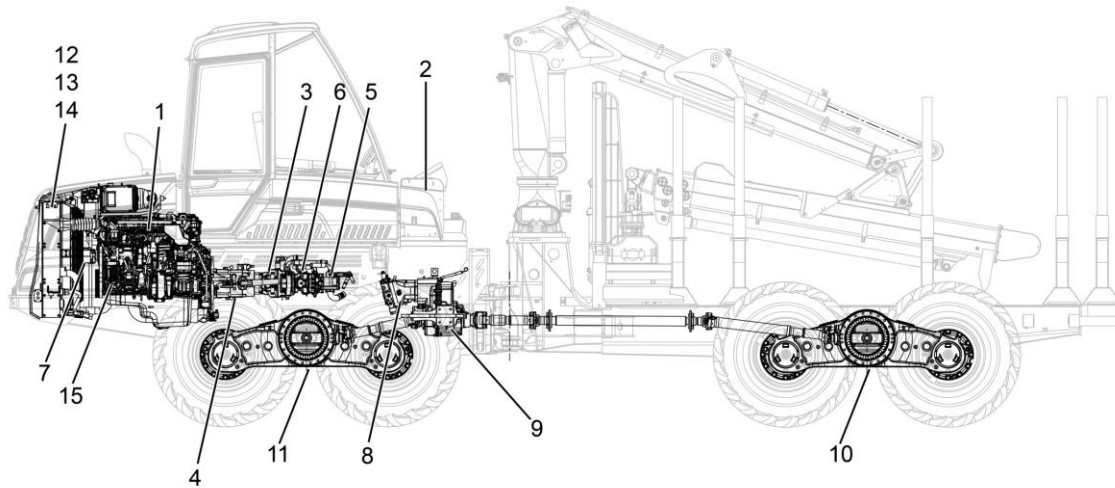


(B) long extension



(C) winch extension

Main components Buffalo King



- | | |
|-------------------------------|--|
| 1. Engine
to NA) | Europe: Mercedes-Benz OM 936 LA (EU Stage V & Tier4 Final

Outside Europe: Mercedes-Benz OM 906 LA |
| (EU Stage 3A) | |
| 2. Directional valve | PARKER K220 LS |
| 3. Drivetrain pump | Danfoss H1P165 |
| 4. Crane pump | REXROTH A11VLO190 |
| 5. Circulation pump | 75 cm ³ |
| 6. Hydraulic fan pump | Danfoss H1P45 |
| 7. Hydraulic fan motor | Danfoss LC25 |
| 8. Drivetrain motor | Danfoss H1B160 |
| 9. Transmission gear box | NAF PO46 |
| 10. Rear bogie
balancing) | NAF PO75/3 (balanced), NAF PO50/7 (without |
| 11. Front bogie
balancing) | NAF PO118 (balanced), NAF PO117 (without |
| 12. Engine cooler | |
| 13. Air conditioner cooler | |
| 14. Hydraulic oil cooler | |
| 15. Air compressor | |

Ground pressure Buffalo King



	Front	Rear	Rear, 18 ton load
No tracks:	63 kPa	40 kPa	117 kPa
With 800mm tracks (rear):	36 kPa	24 kPa	63 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):	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)
Rear frame length S→L	250 kg
Glide bunk	250 kg
Turnable bunk extensions	30 kg/pcs
Balanced bogie	150 kg / axle
Bonnet guard	70 kg
Bulldozer blade	700 kg
ActiveFrame	700 kg
VLA load space	500 kg
Sepson winch	400 kg
Ponsse synchrowinch	2000 kg
Clam bunk	1000 kg

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

Technical data comparison

FEATURE	PONSSE Buffalo King	JOHN DEERE 1910E (8wd)	KOMATSU 895 (8WD)
Load Capacity	18 000 kg	19 000 kg	20 000 kg
Load Area Length	4540 - 5450 mm (+700mm)	4800 - 5700 mm	-
Load Area Cross Section	5,2 – 5,8 m ²	5,3 / 6,6 m ²	5,2 m ² / 6,1 m ²
Tractive Force	210 kN	230 kN	260 kN
Weight (min)	20 600 kg	21 800 kg	23 800 kg
Length	10 600 – 10 860 mm (+700 mm)	10 370 – 11 270 mm	10 790 mm
Width (750 tires)	2990 – 3330 mm	3090 mm	3160 mm
Transport Height	3990 mm	3900 mm	4000 mm
Ground Clearance	730 mm	755 mm	790 mm
Articulated Steering Angle	±44°	±42°	±42°
Engine	EU & NA: MB OM936 LA (EU Stage V, tier 4F) Other: MB OM 906 LA (6 cyl.)	JD 6090 PowerTech plus (6 cyl.)	AGCO POWER 74 AWI-4V (6 cyl.)
Power	EU & NA: 210 kW / 286 hp Other: 205 kW / 275 hp	200kW / hp	214 kW / hp
Torque	EU: 1200 Nm (1200-1600 rpm) Other: 1100 Nm (1200-1600 rpm)	1315 Nm (1400 rpm)	1280 Nm (1200-1700 rpm)
Crane Pump	190 cm ³ / 235bar	180 cm ³ / 240 bar	180 cm ³ / 245 bar
Hydr.oil container	170 l	185 l	167 l
Crane	PONSSE K100+ (S/M) PONSSE K111 (S/M)	CF8	Komatsu 165F
Lifting Moment (gross)	160 kNm	151 kNm	165 kNm
Max. Reach	K100+ 7,8 / 9,5 m K111 8.1 / 10.0 m	7,2/8,5 m	7,5 / 8,5 m