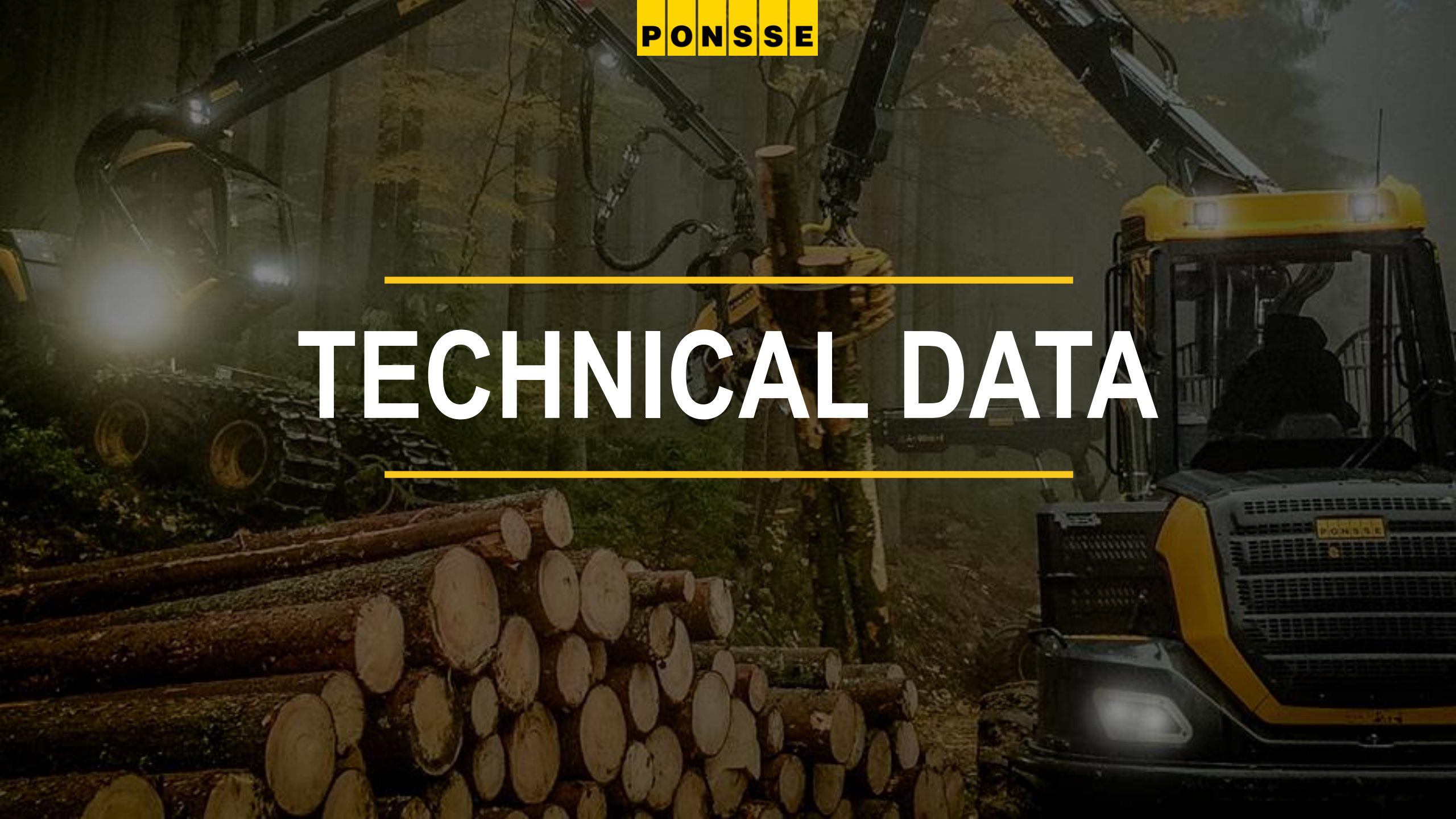


PONSSE

TECHNICAL DATA



Technical data, Scorpion Giant

DIMENSIONS	
Length:	8020 mm
Width:	2690–3085 mm
Transportation height (Max)	3720 mm
Ground clearance	655 mm
Weight	23 000 kg
Typical weight	24 000 kg
ENGINE	
Model:	Mercedes-Benz OM 936
Power:	210 kW (286 hp)
Torque:	1200 Nm (1200-1600 rpm)
Tractive force:	200 kN
Fuel tank:	410 l (with stump treatment option 320 l)
CRANE	
Model	PONSSE C50+
Reach	8.6/10/11 m
Lifting moment	280 kNm
Slewing moment, gross	57 kNm
Slewing angle	280°
CABIN	
Leveling	Front/rear ±15°, lateral ±12° + effect of bogies
TYRES	
Front:	600/55-26.5" / 710/45-26.5"
Rear:	600/55-26.5" / 710/45-26.5"

HYDRAULIC SYSTEM	
Control system:	Ponsse OptiControl
Working pumps:	145 + 190 cm ³
Hydr. Oil tank:	280 l
HARVESTER HEAD	
Model:	PONSSE H5 (crane reach 11 m) H6 (crane reach 11 m) H7 (crane reach 10 m) H7HDEuca (Crane reach 8.6 m) H8 with limited 650mm roller opening (crane reach 10 m)

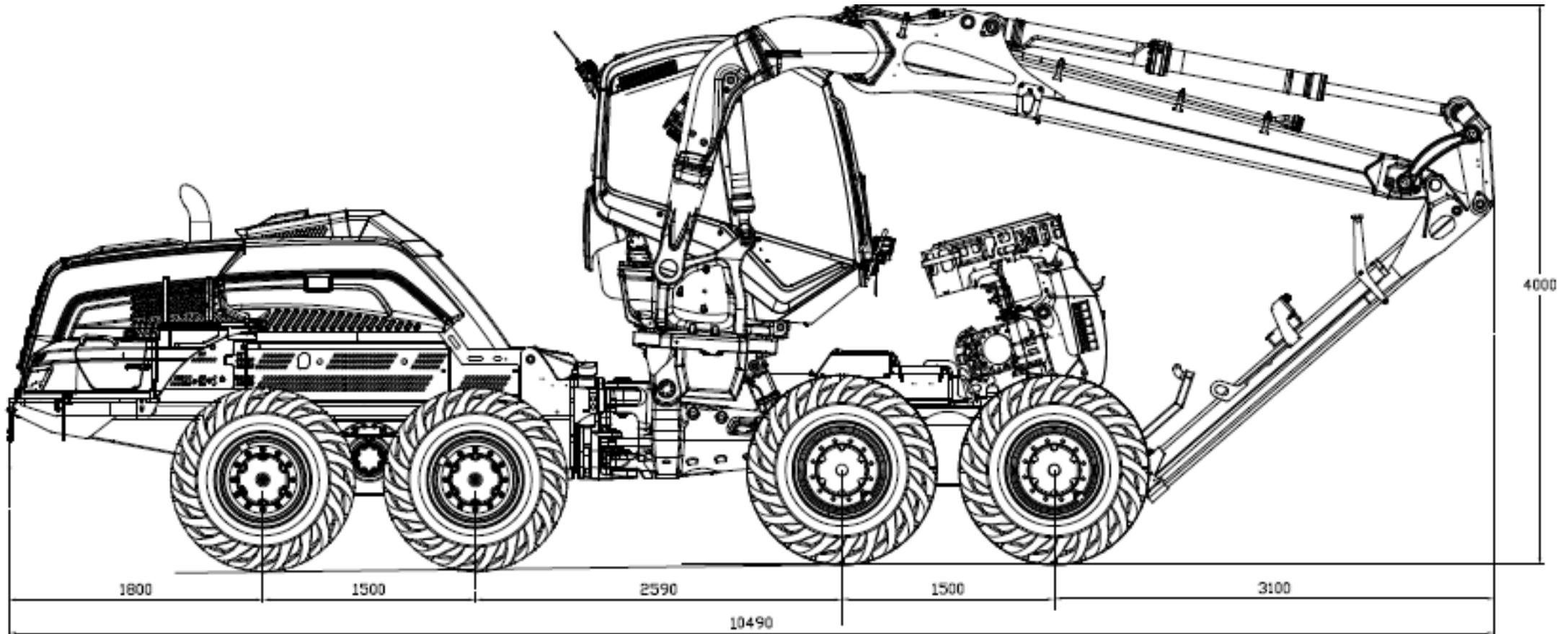
Machine width – different offset / wheels

Scorpion Giant max track width front & rear with symmetrical tracks

Bogie PO101 / 102 (balanced bogie)

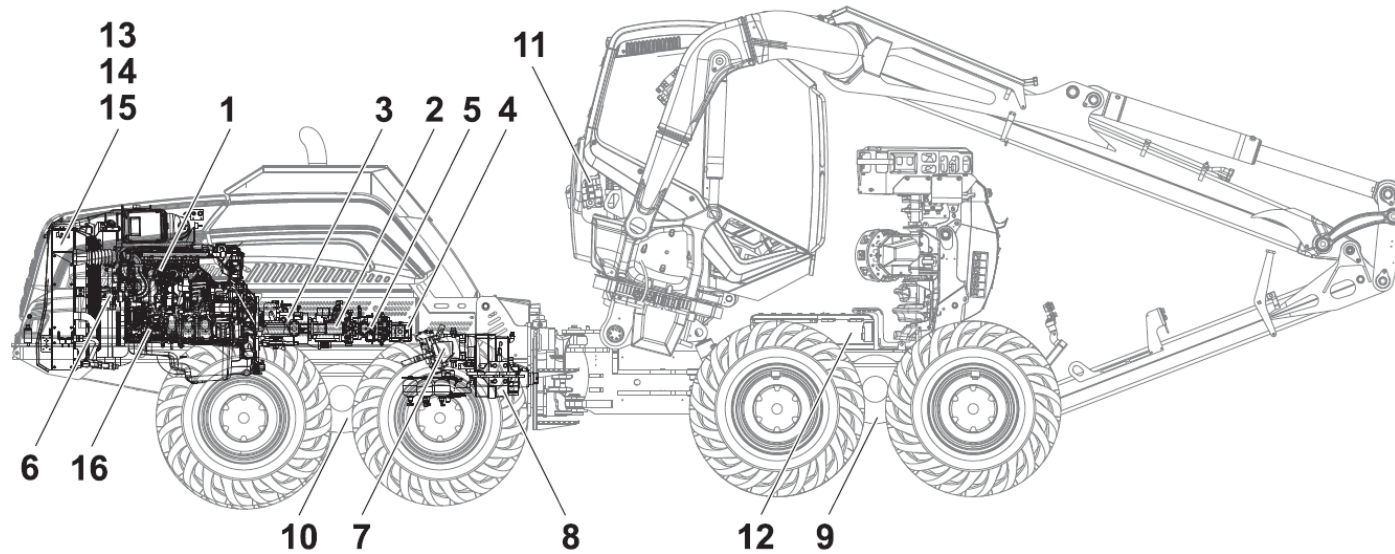
Wheel rim offset	600/55-26,5 Offset +50	600/55-26,5 Offset -35	710/45-26,5 Offset 0	710/45-26,5 Offset -75	800/40-26,5 Offset -50
Machine width (order sheets)	2690 mm	2860 mm	2900 mm	3050 mm	3086 mm
Max. track width crane side	760 mm	930 mm	860 mm	1010 mm	960 mm
Max. track width engine side	760 mm	930 mm	860 mm	1010 mm	960 mm

Dimensions, Scorpion Giant



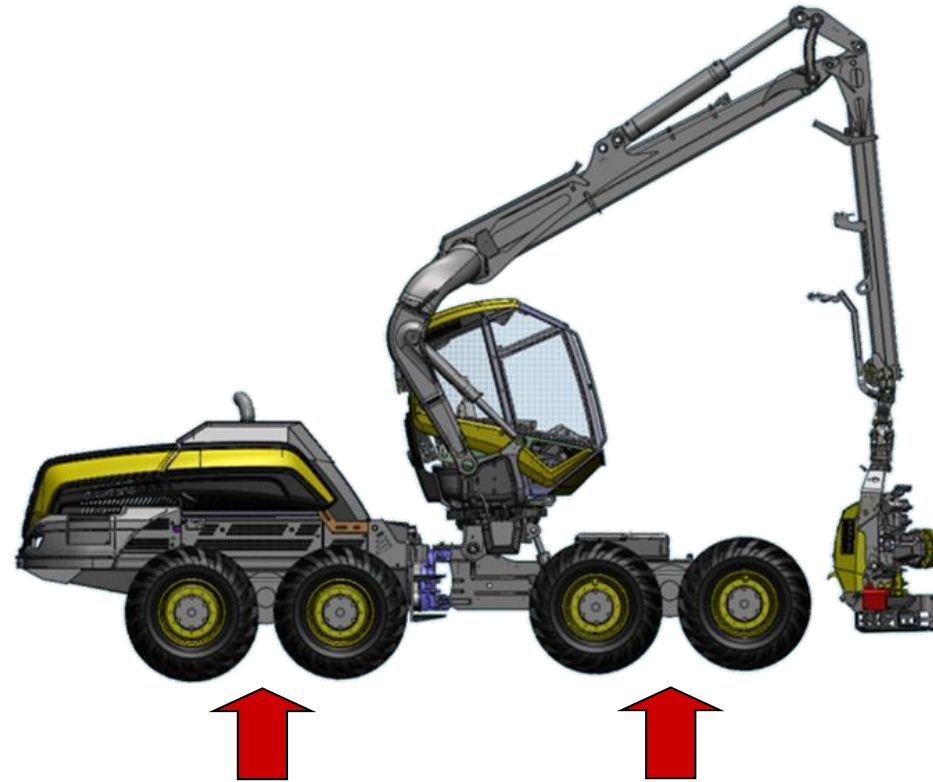
Note: in this picture cabin & crane base tilt is not in transport position → machine is higher!

Main components



- | | | | |
|---------------------------------|--|-----------------------------|---------------|
| 1. Engine: | MB OM 936LA 210 kW | | |
| 2. Drive transmission pump: | DANFOSS H1P130 | | |
| 3. Work pumps: | Harvester Head: REXROTH A11 VLO190 cm ³ | | |
| | Crane: REXROTH A11 VLO145 cm ³ | | |
| 4. Cooling pump: | 90 cm ³ | | |
| 5. Hydraulic cooling fan pump: | SAUER H1P045 | | |
| 6. Hydraulic cooling fan motor: | SAUER LC25 | | |
| 7. Drive transmission motor: | SAUER H1B160 | | |
| 8. Transmission gearbox: | NAF PO108 | | |
| | | 9. & 10. Bogies: | |
| | | • Standard: | NAF PO101 |
| | | • Balanced (option): | NAF PO102 |
| | | 11. Valve block: | PARKER K220LS |
| | | 12. Valve block: | PARKER L90LS |
| | | 13. Hydraulic oil cooler | |
| | | 14. Engine cooler | |
| | | 15. Air conditioning cooler | |
| | | 16. Air compressor | |

Ground pressure - Scorpion Giant



Rear



Front

Ground pressure (710-tyres)

No tracks or chains:

61 kPa / 8.4 psi

63 kPa / 8.4 psi

Tracks front and rear (950mm):

30 kPa / 4.4 psi

31 kPa / 4.5 psi

Note. 1 kPa = 10 grams/cm² = 0.145 psi

Turning radius Scorpion (710 wheels & standard 0-offset)

