



MOBILE CRANES

Crane specification

Serial Number

Year of Construction

Crane group : 3 as per NEN 2018
 Loadspectrum : 2 as per NEN 2018
 Classification : A as per NEN 2018
 Stability : as per NEN 2022

Max. load

8,0 tonne

Max. radius with max. load

12,85 m

Max. capacity

103 tm

Max. jib length

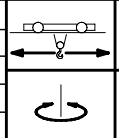
44 m

Speed

Jib horizontal / jib 30° luffed



m/min	kg
18	8000
27	4000
40	2000
60	0



0 - 70 m/min

0-0,9 rpm

All motions with hydraulic proportional controls.
 Luffing the jib 30° can be controlled from crane cab or by remote control.
 The crane should be folded in at wind force 9 (Bf) (21 m/sec) or when not in use for a longer period.

Counterweight crane: 9500 kg.
 Continues slewing (360°) with outriggers out and support pads down.
 Crane can be driven in its erected position under special conditions (refer user guide).

Rated lift capacity is net capacity.
 Always two parts of line.
 Max. line pull force: 4000 kg.
 Operating temperature range from: -15°C till + 40°C.
 Sail area of the load max.: 1,0 m²/ton.

Outrigger positioned according to lifting chart
 Outrigger support base : **6,925 m x 6,85 m**
 Operation allowed up to wind force 8 Bf (17 m/sec)
 Outrigger support base : **6,925 m x 5,15 m**
 Operation allowed up to wind force 8 Bf (17 m/sec)
Max. outrigger force: 360 kN.

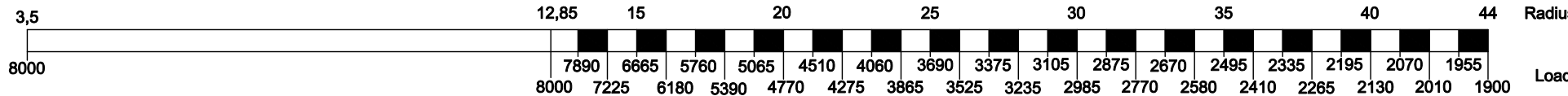
LIFTING CHART

outrigger support base **6,925 m x 6,85 m**

up to wind force 8 on the Beaufort scale (17 m/sec)

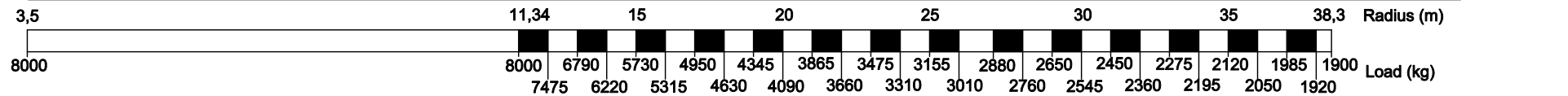
Jib horizontal

Hook height 25,3 m (height under the jib 27,3 m)



Jib 30° luffed

Hook height (m): 30,9, 33, 35,9, 38,8, 41,7, 44,6, 46,5



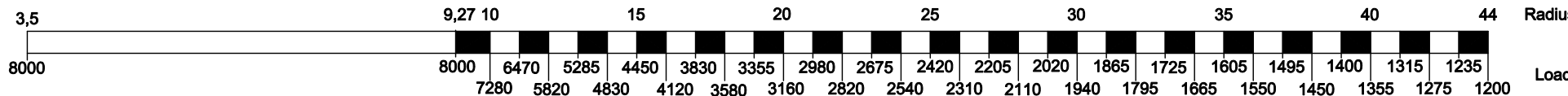
LIFTING CHART

outrigger support base **6,925 m x 5,15 m**

up to wind force 8 on the Beaufort scale (17 m/sec)

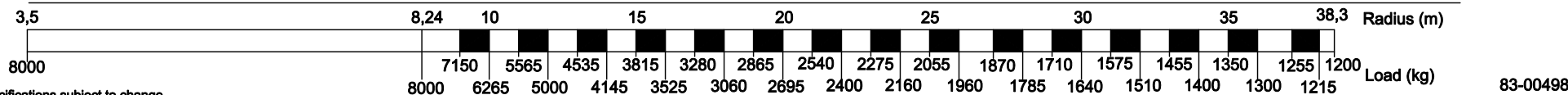
Jib horizontal

Hook height 25,3 m (height under the jib 27,3 m)



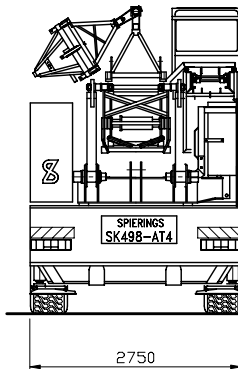
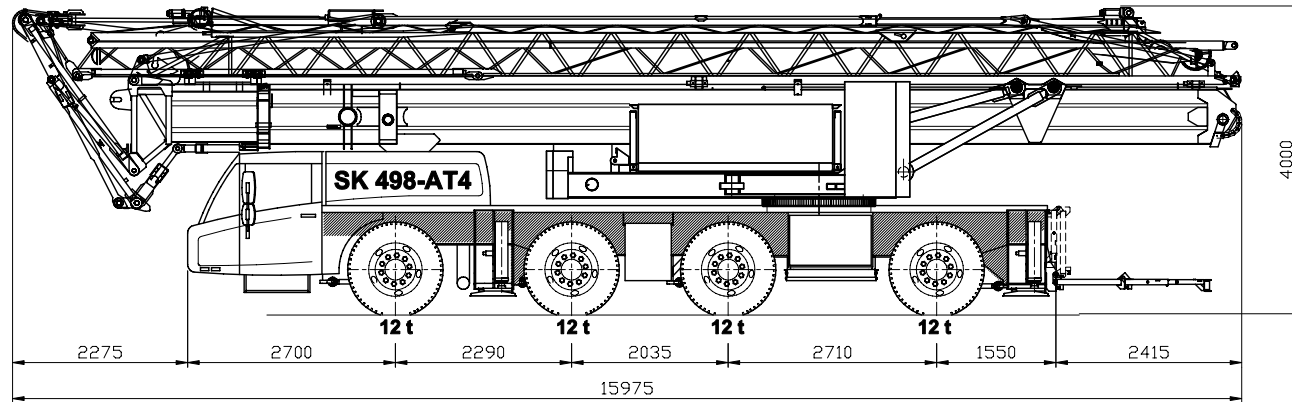
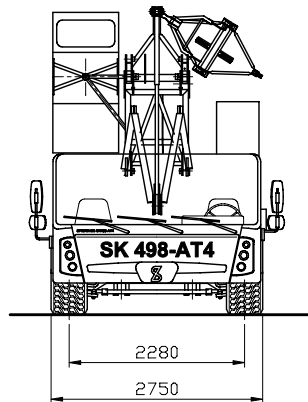
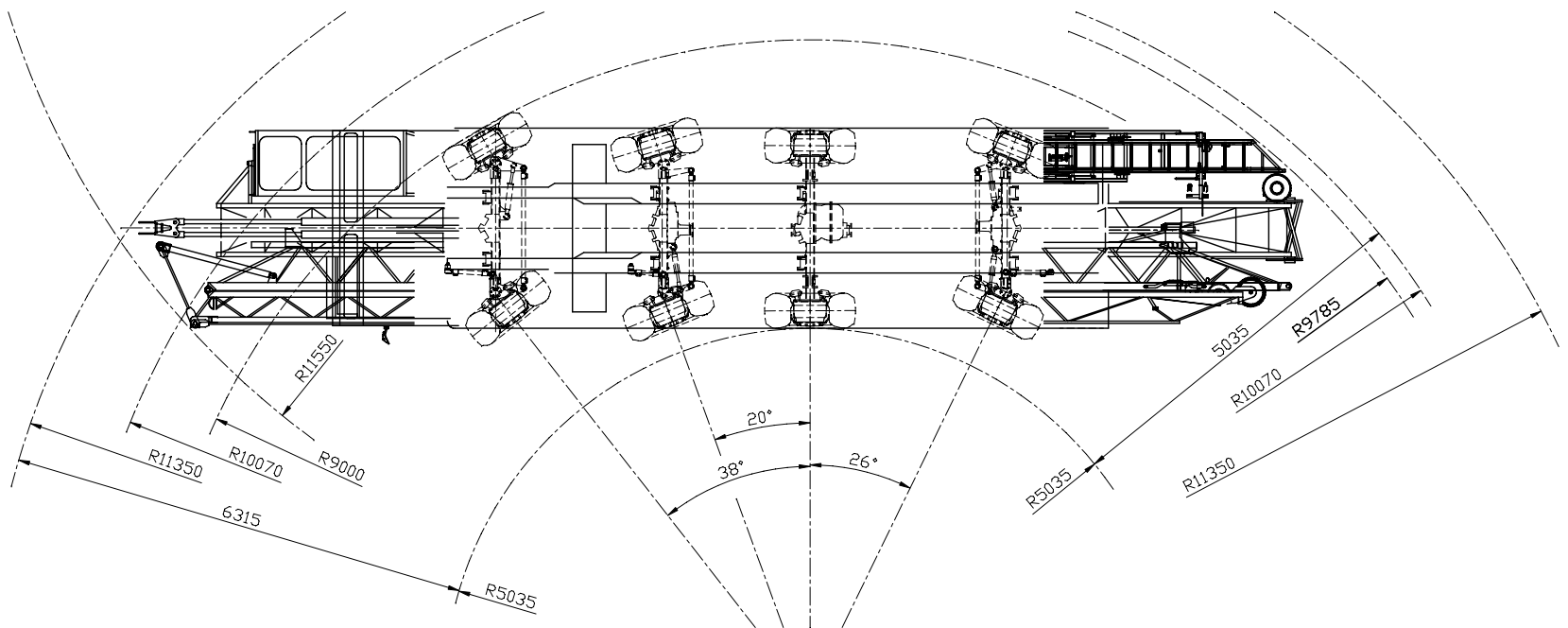
Jib 30° luffed

Hook height (m): 29,1, 30,1, 33, 35,9, 38,8, 41,7, 44,6, 46,5



Specifications subject to change

83-00498



SPIERINGS HYDRAULIC FOLDING CRANE

SK 498 - AT4

Overall weight: 48000 kg

Specifications subject to change

SPIERINGS
MOBILE CRANES

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www.spierscranes.co

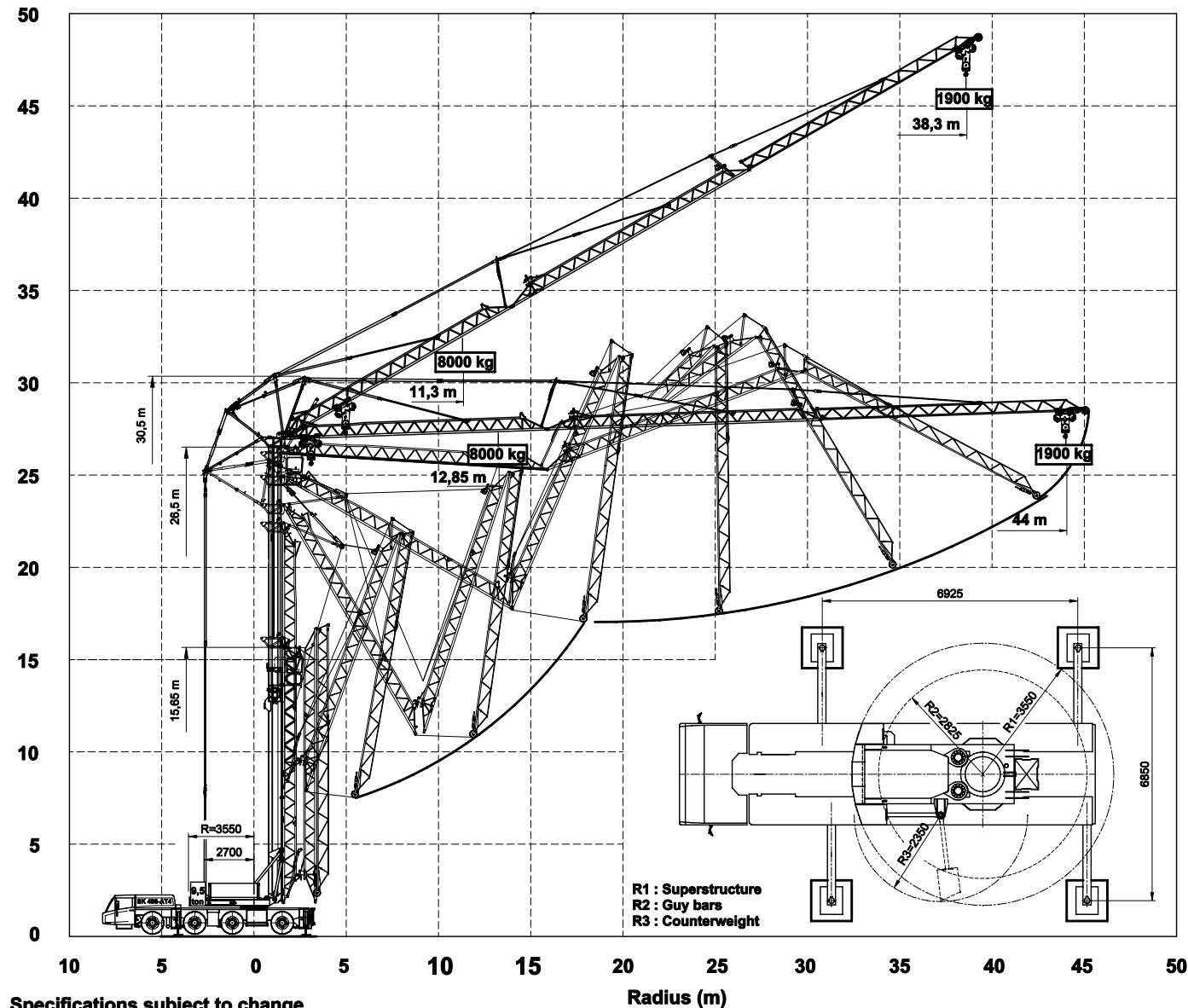
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SK498-AT4

Erection procedure of the crane

Max. outrigger force : 360 kN
 Outrigger support pads : 750x600 mm
 Ground pressure : 0,80 N/mm²
 Jib can be unfolded through 360°
 Luffing the jib 30° can be controlled from the crane cab or remote control

Outrigger support plates : 1100x1100 mm
 surface : 1,21 m²
 Ground pressure : 0,30 N/mm²



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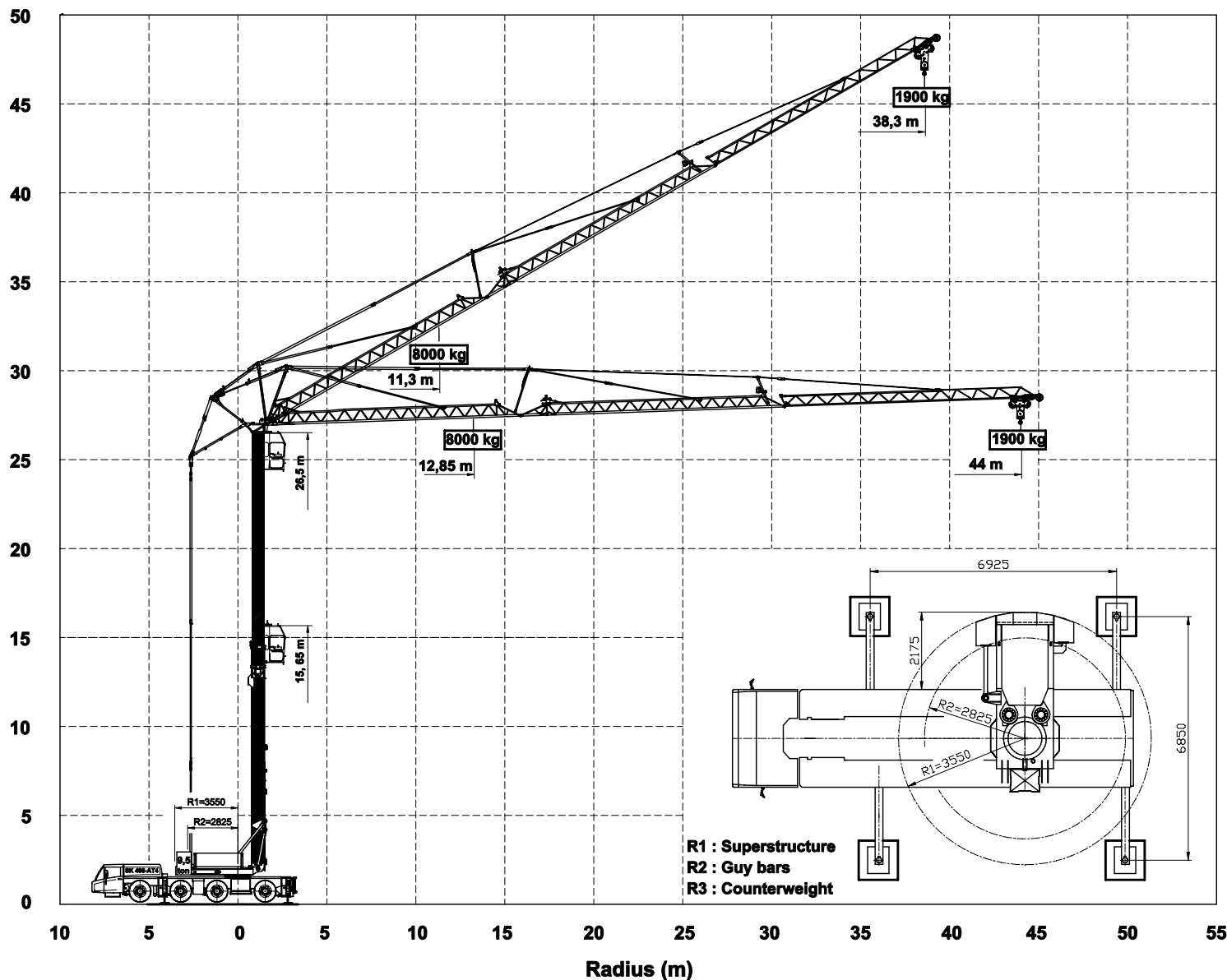
HYDRAULIC FOLDING CRANES

SK 498 - AT4

Hoisting Specifications

Outrigger support base

6,925 m x 6,85 m



Specifications subject to change

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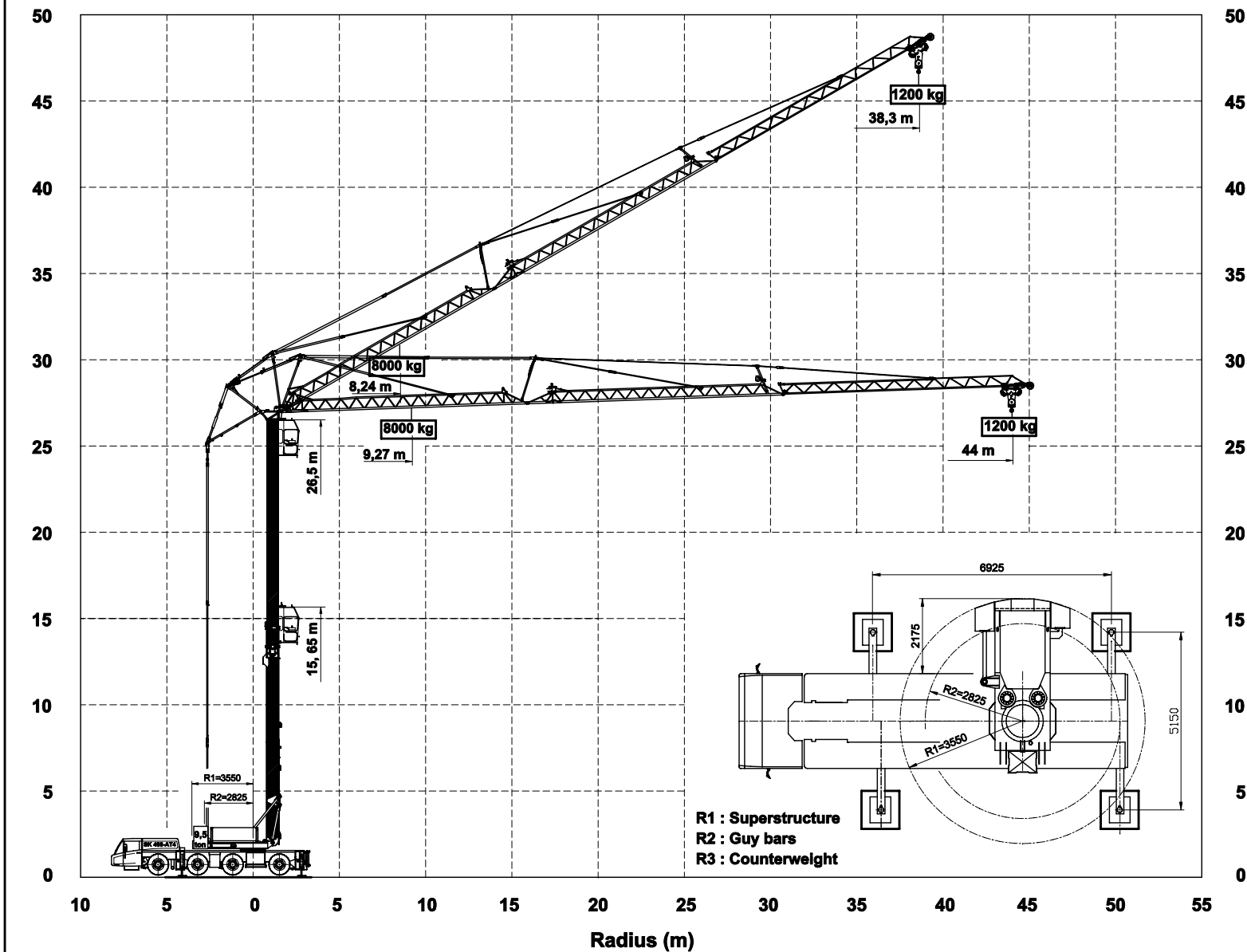
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HYDRAULIC FOLDING CRAN

SK 498 - AT4

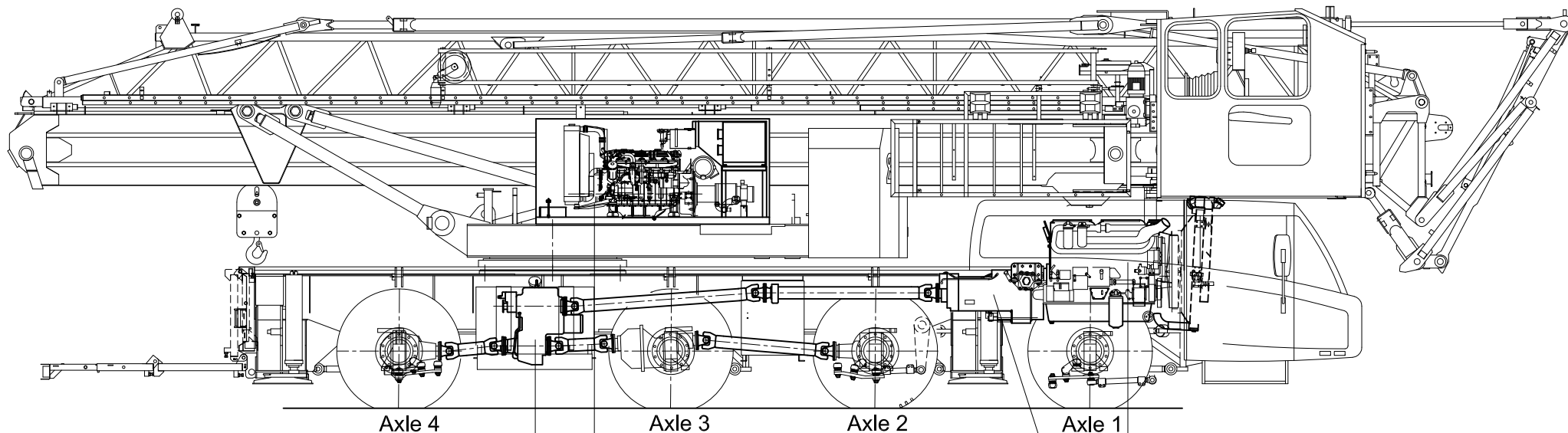
Hoisting Specifications
 Outrigger support base
 6,925 m x 5,15 m



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Transferbox
STEYR VG2001/396
Road gear $i=0,89$
Off road gear $i=1,54$

Superstructure:
John Deere: 4045HF285-T3
Power: 104 kW (2400 rpm)
Torque: 387 Nm (1500 rpm)

Gearbox:
ZF 12AS2300
Automatic
+ Intarder

Carrier Diesel Engine :
Euro IV
DAF: MX 300 (12,9 ltr)
Power: 300 kW (1900 rpm)
Torque: 2050 Nm (1500 rpm)

Axle 1 :Steer axle

Axle 2 :Steer axle, driven (end reduction $i=7,29$)

Axle 3 :Driven (end reduction $i=7,29$)

Axle 4 :Steer axle, driven (end reduction $i=7,29$)

Tyres

Suspension: hydro-pneumatic on all axles, stroke cyl.

Max. speed carrier

Min. speed carrier (diesel engine 1000 rpm)

Overall weight

: 445/75 R22,5

: 247 mm

: 82 km/h

: 1,6 km/h

: 48.000 kg.

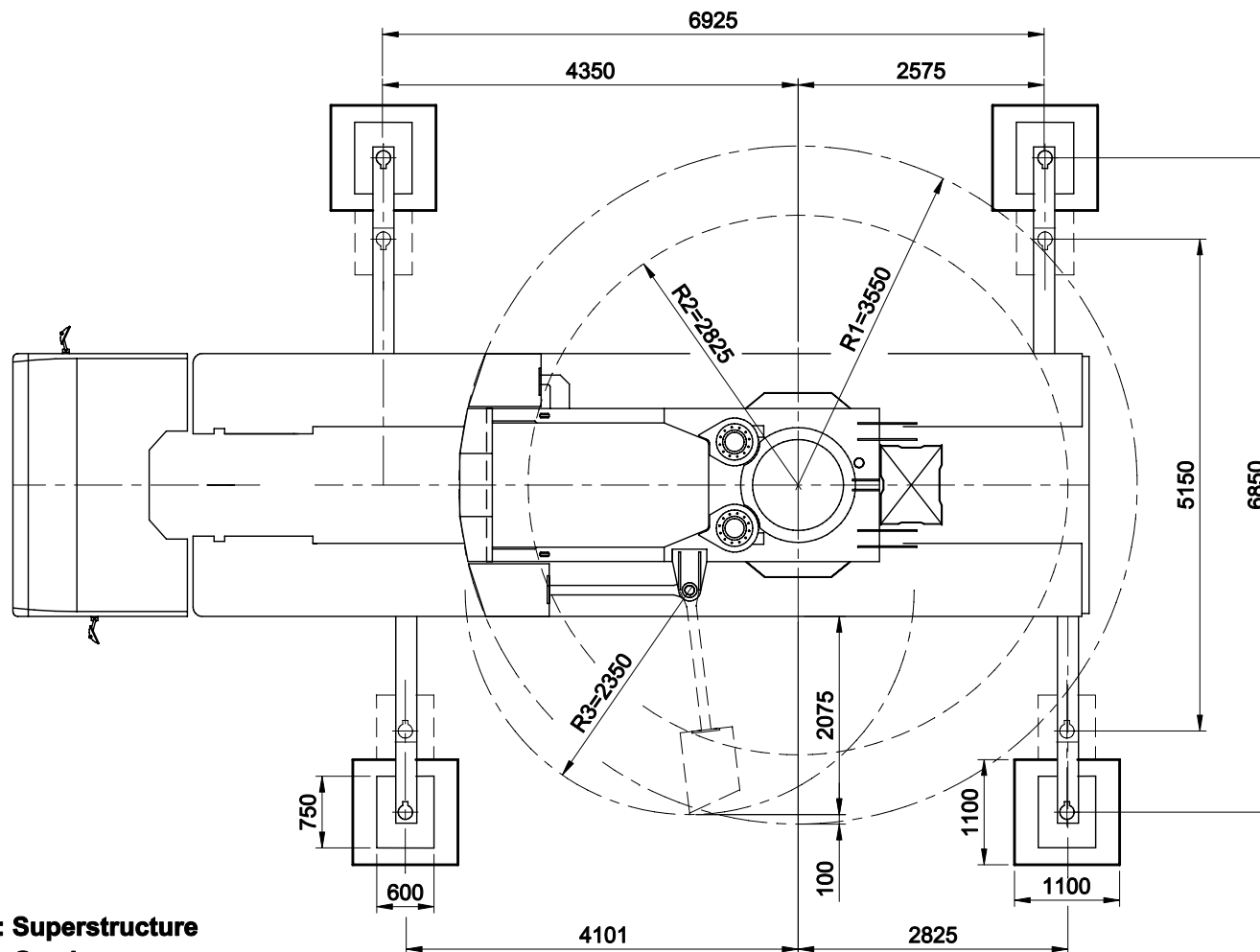
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DRIVE TRAIN SPIERINGS FOLDING CRANE SK498-AT4

Specifications subject to change

SK 498 - AT4

Specifications subject to change

Max. outrigger force	360 kN
Outrigger support pads	750x600 mm
Ground pressure	0,80 N/mm²
Outrigger support plates	1100x1100 mm
Surface	1,21 m²
Ground pressure	0,30 N/mm²



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