



SPIERINGS

MOBILE CRANES

Make: **SPIERINGS**

Type: **SK498-AT4**

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

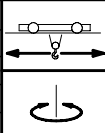
Speed

Jib horizontal / jib 30° luffed



m/min
18
27
40
60

kg
8000
4000
2000
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).

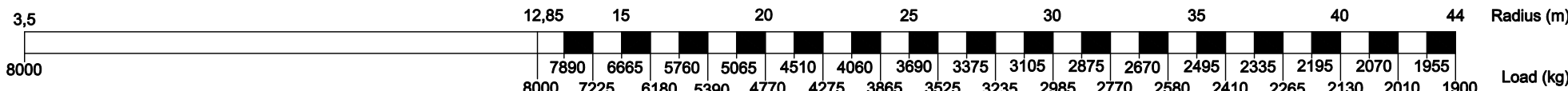
Rated lift capacity is net capacity.
Always two parts of line.
Max. line pull force: 4000 kg.
Operating temperature range from: -15°C till + 40°C.
Sail area of the load max.: 1,0 m²/ ton.

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)

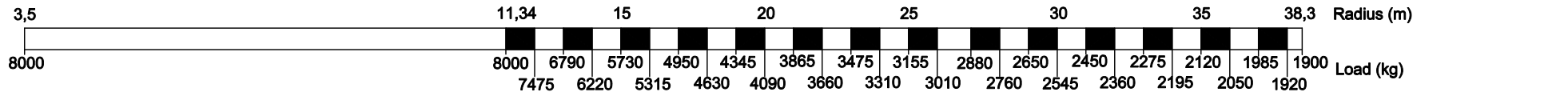
Jib horizontal

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



Jib 30° luffed

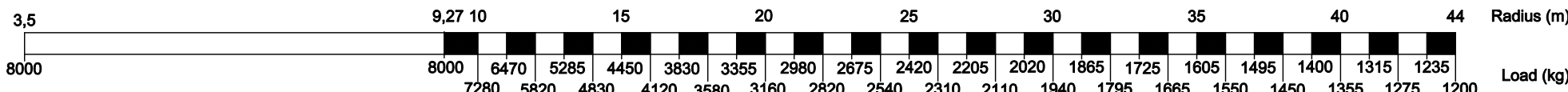
Hook height (m)



LIFTING CHART outrigger support base **6,925 m x 5,15 m** up to wind force 8 on the Beaufort scale (17 m/sec)

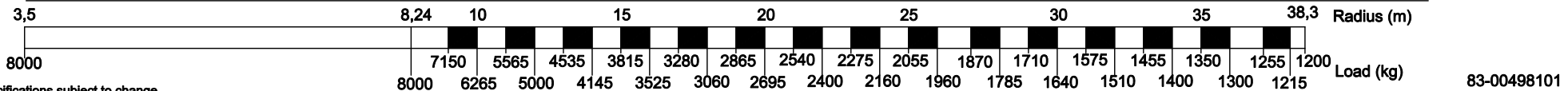
Jib horizontal

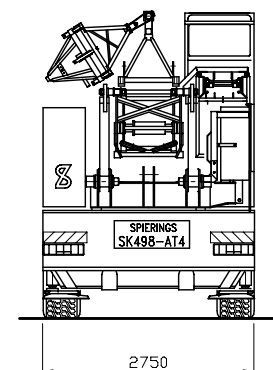
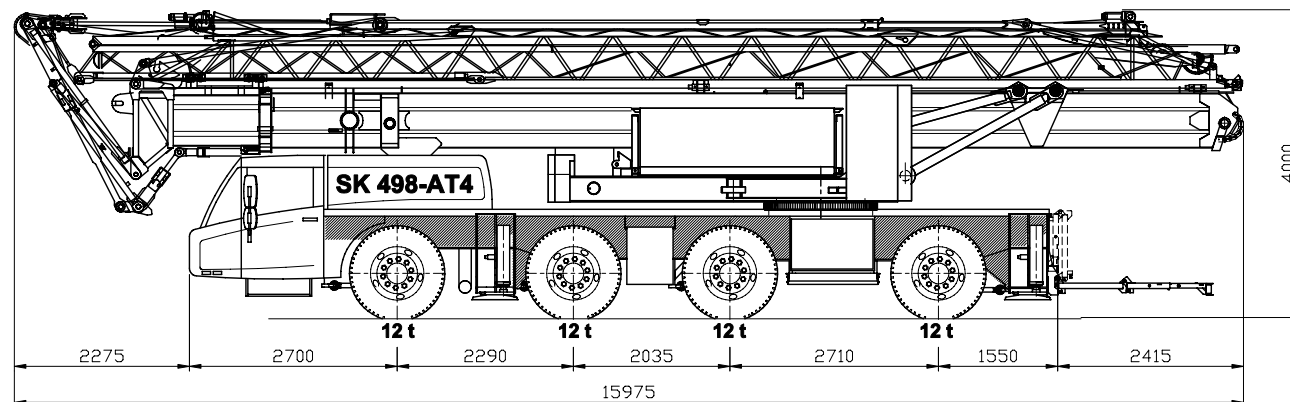
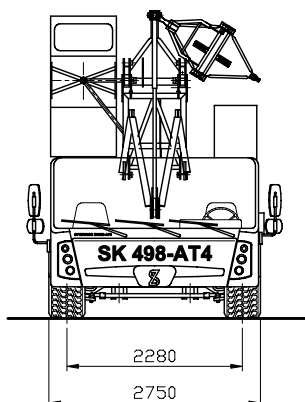
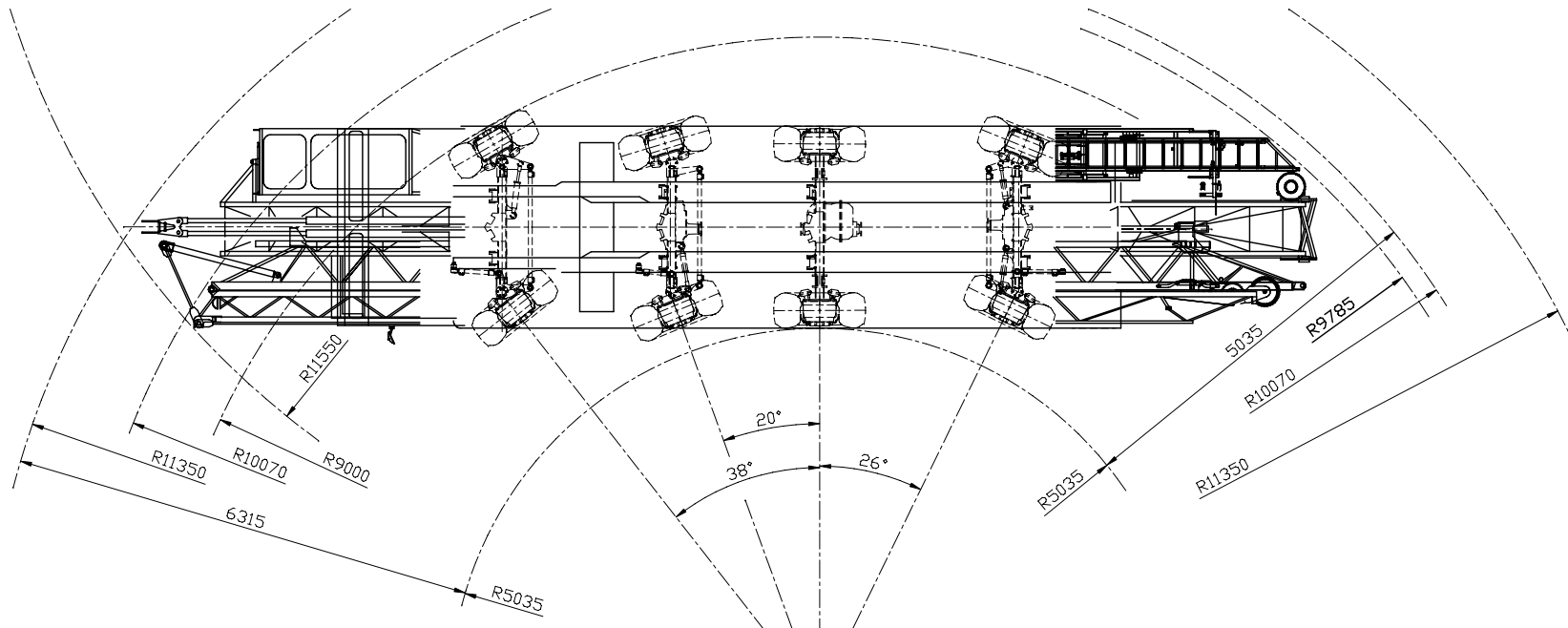
Hook height 25,3 m (height under the jib 27,3 m)



Jib 30° luffed

Hook height (m)





SPIERINGS HYDRAULIC FOLDING CRANE **SK 498 - AT4**

SPIERINGS
MOBILE CRANES

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www.spieringscranes.com

83-00498102

Overall weight: 48000 kg

Specifications subject to change

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HYDRAULIC FOLDING CRANE

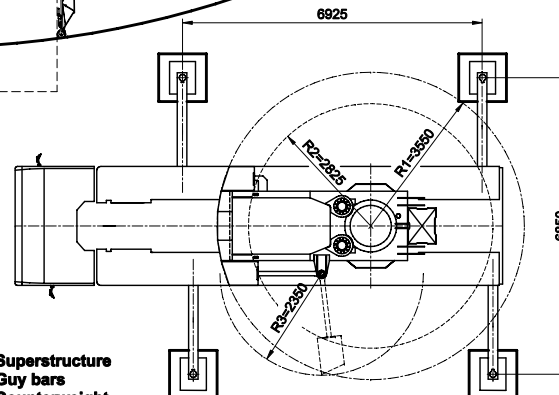
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Erection procedure of the crane

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

Hook height (m)



R1 : Superstructure
 R2 : Guy bars
 R3 : Counterweight

Radius (m)

50
45
40
35
30
25
20
15
10
5
0

10 5 0 5 10 15 20 25 30 35 40 45 50

Specifications subject to change


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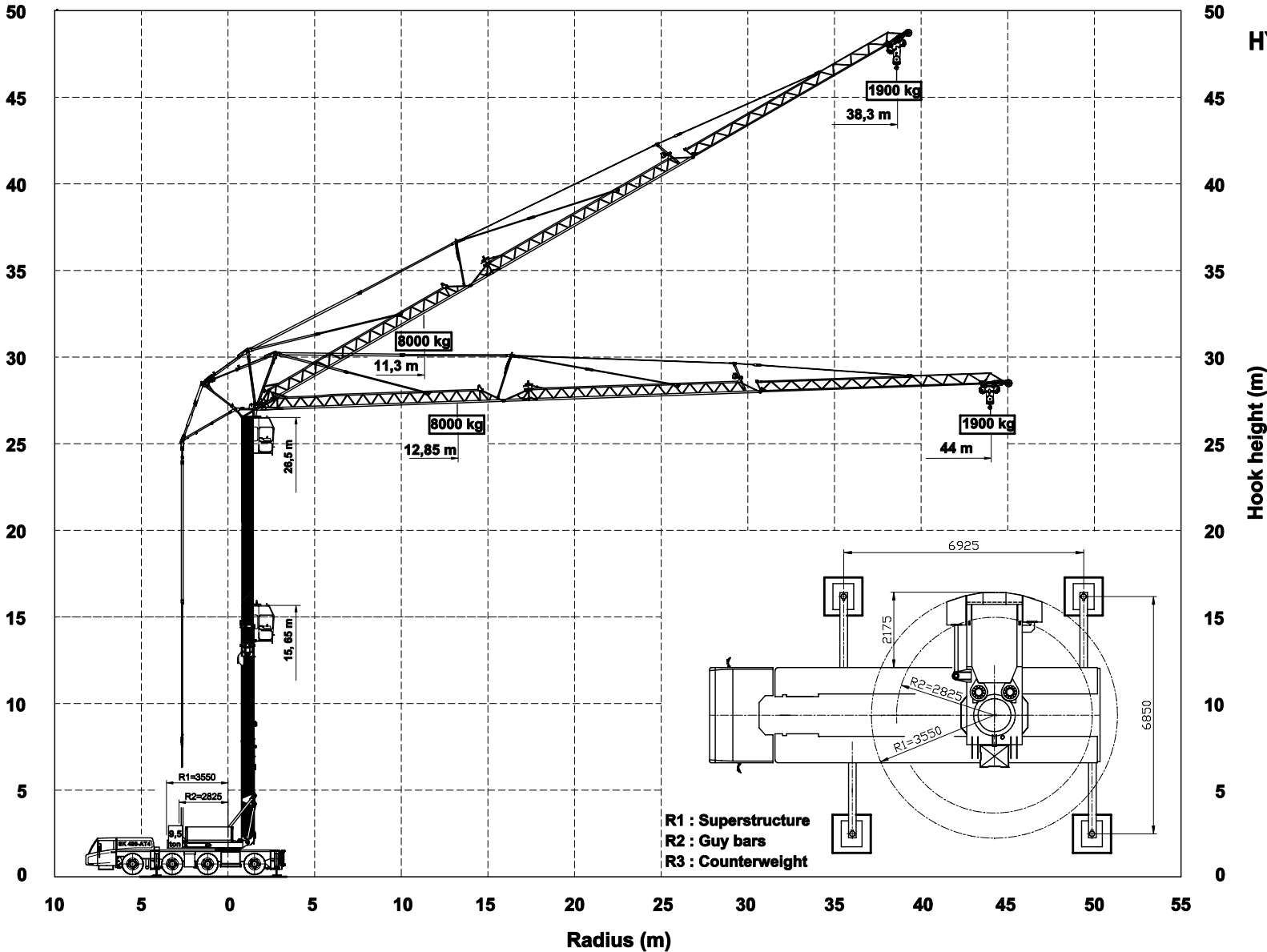
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HYDRAULIC FOLDING CRANE

SK 498 - AT4

Hoisting Specifications
 Outrigger support base
 6,925 m x 6,85 m



R1 : Superstructure
 R2 : Guy bars
 R3 : Counterweight

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 MOBILE CRANES

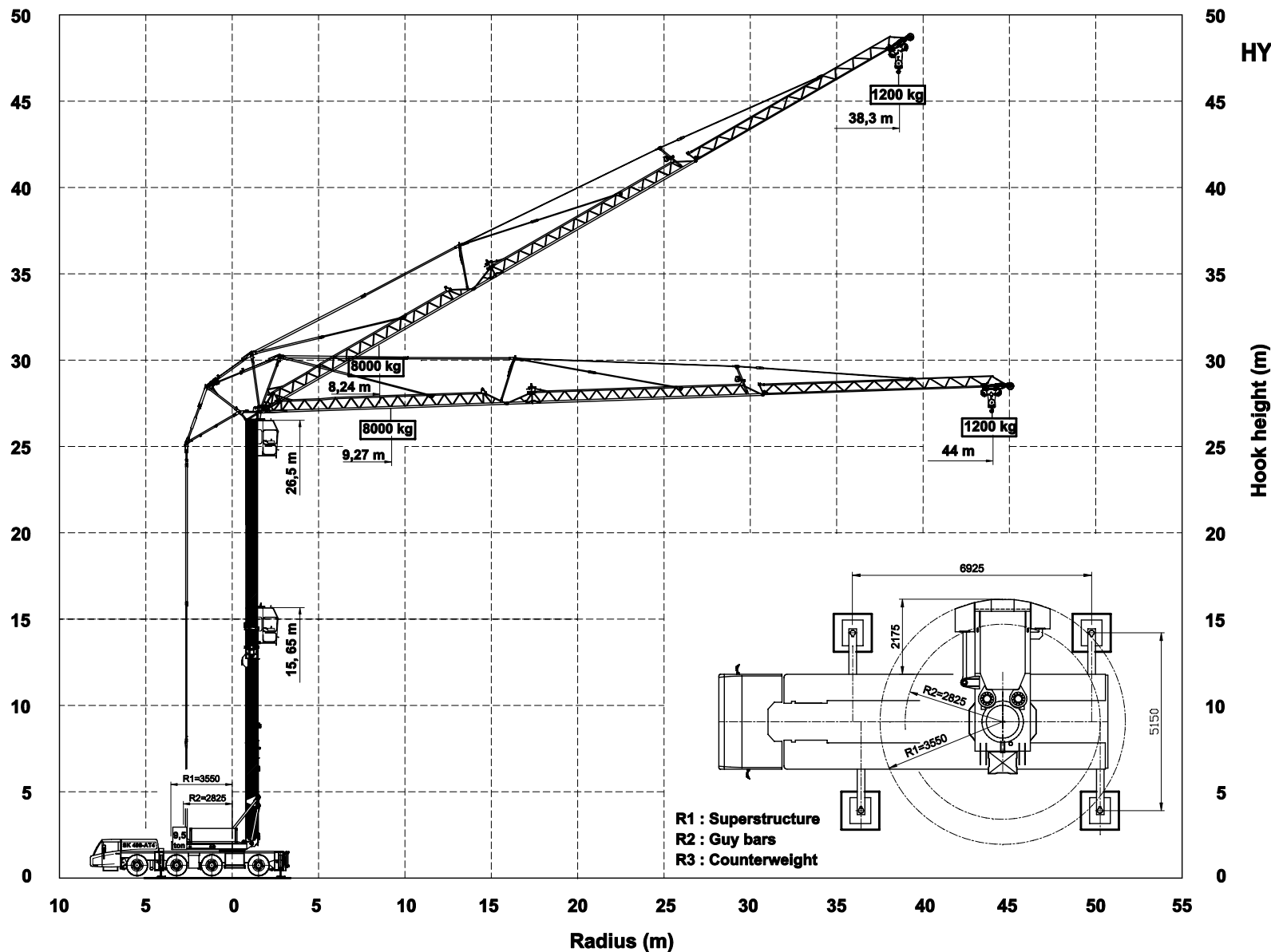
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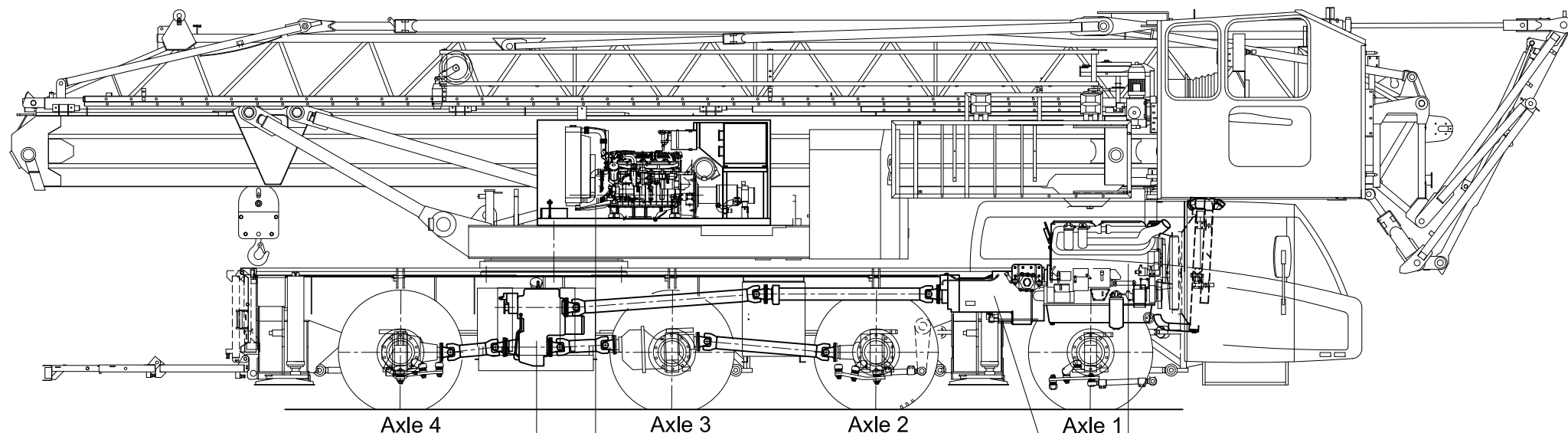
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Hoisting Specifications
 Outrigger support base
 6,925 m x 5,15 m



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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.

DRIVE TRAIN SPIERINGS FOLDING CRANE **SK498-AT4**

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MOBILE CRANES

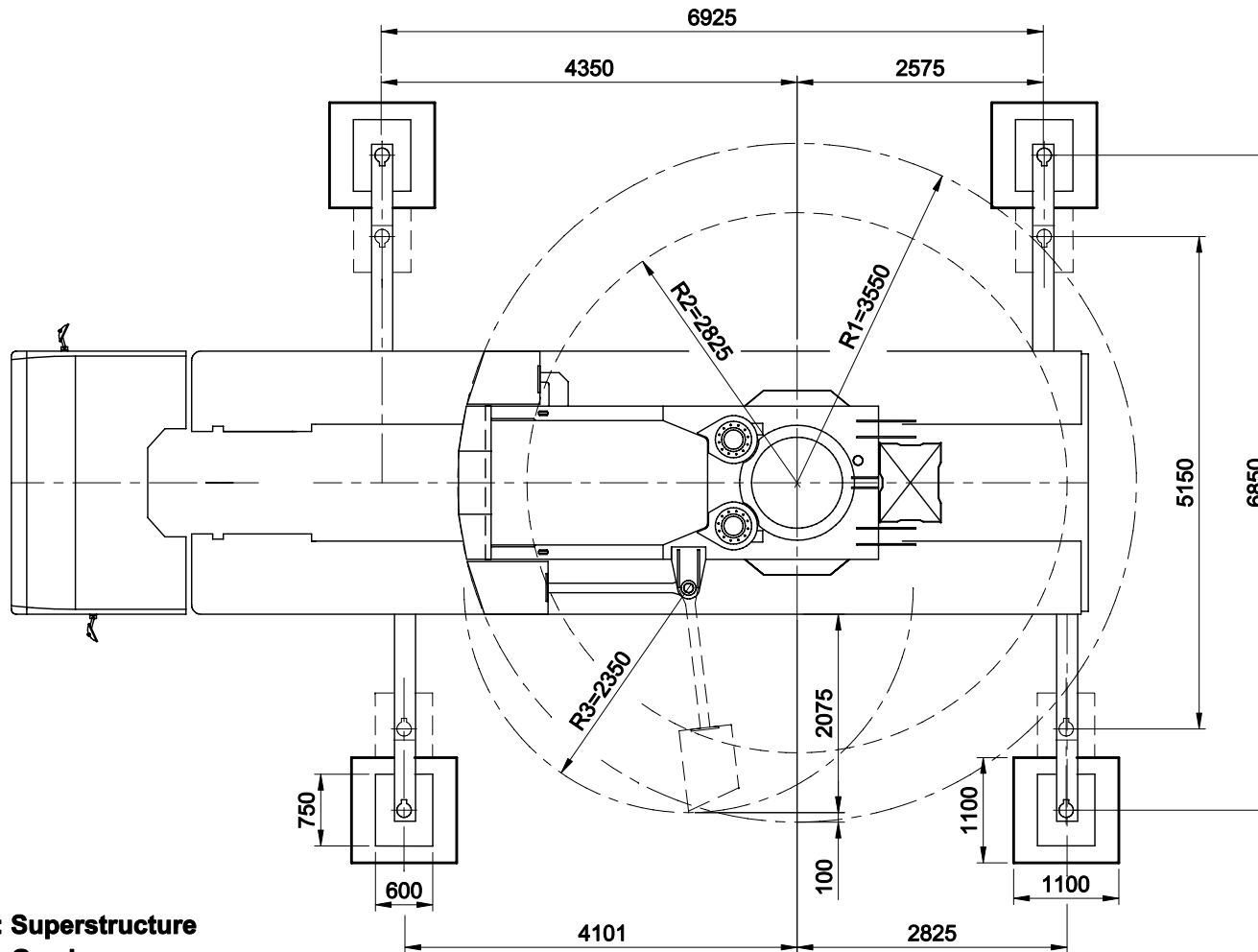
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SPIERINGS

HYDRAULIC FOLDING CRANE

SK 498 - AT4



R1 : Superstructure
R2 : Guy bars
R3 : Counterweight

Overzicht afstempeling

Max. outrigger force	360 kN
Outrigger support pads	750x600 mm
Ground pressure	0,80 N/mm ²
Outrigger support plates	1100x1100 mm
Surface	1,21 m ²
Ground pressure	0,30 N/mm ²

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