

**Make: SPIERINGS****Type: SK599-AT5****Crane specification**Serial number Year of construction

Crane group : A3 as per FEM 1.001
 Loadspectrum : Q1 as per FEM 1.001
 Classification : U4 as per FEM 1.001
 Stability : as per FEM 1.001

Max. load

9,0 tonneMax.radius
with max. load**13 m**

Max. capacity

117 tm

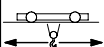
Max. jib length

50 m**Speeds**

Jib horizontal / jib 30° luffed



m/min	kg
20	9000
32	4500
50	2250
75	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.

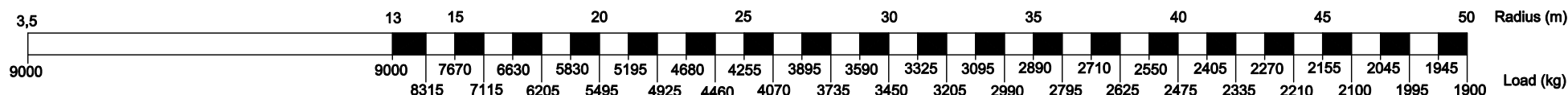
Counterweight crane: 10380 kg.
 Continues slewing (360°) with outriggers out and support pads down.
 Crane can be driven in its erected position under special conditions (refer user guide).

Rated lift capacity is net capacity.
 Always two parts of line.
 Max. line pull force: 4500 kg.
 Operating temperature range from:
 -15°C till + 40°C.
 Sail area of the load max.: 1,0 m²/ ton.

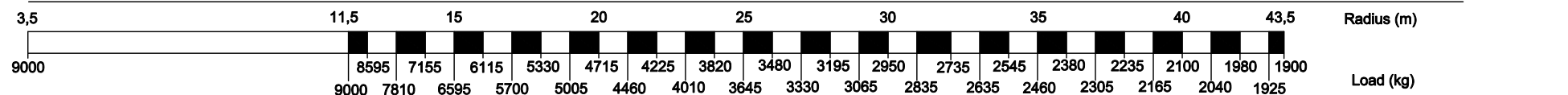
Outrigger positioned according to lifting chart
 Outrigger support base : **7,50 m x 7,66 m**.
 Operation allowed up to wind force 8 Bf (17 m/sec).
 Outrigger support base : **7,50 m x 5,72 m**.
 Operation allowed up to wind force 8 Bf (17 m/sec).
Max. outrigger force: 440kN.

Lifting chart**Outrigger support base 7,50 m x 7,66 m****Jib horizontal**

Hookheight 23,8 / 32,6 m (height under jib 25,8 / 34,6 m)

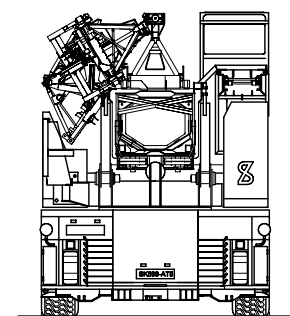
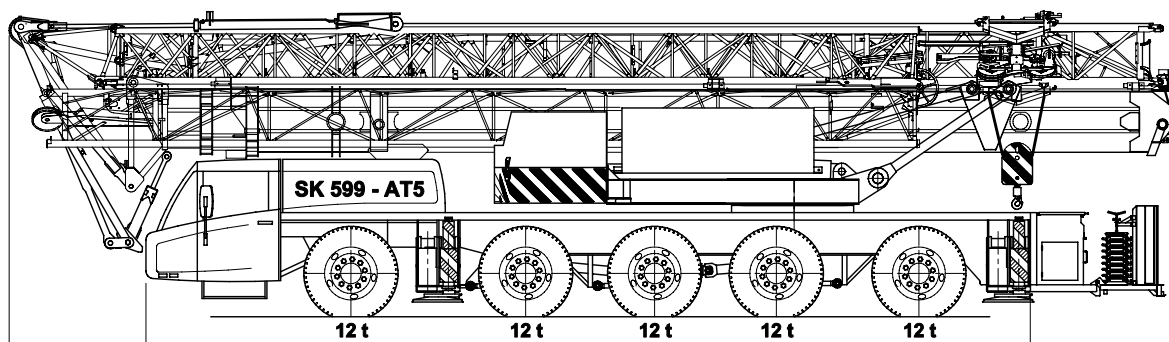
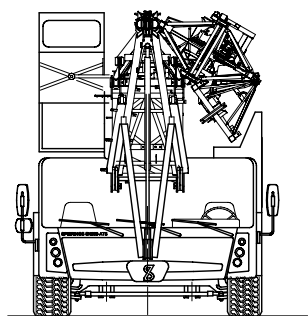
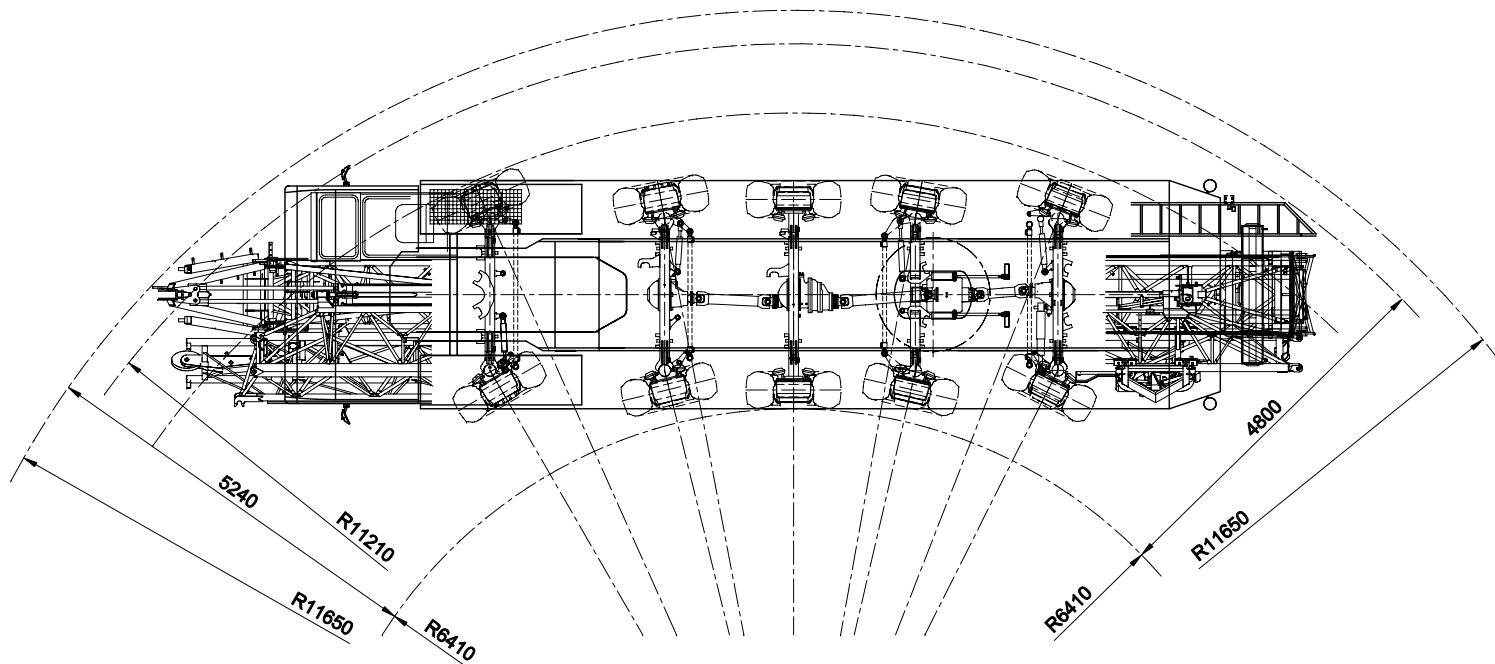
**Jib 30° luffed**

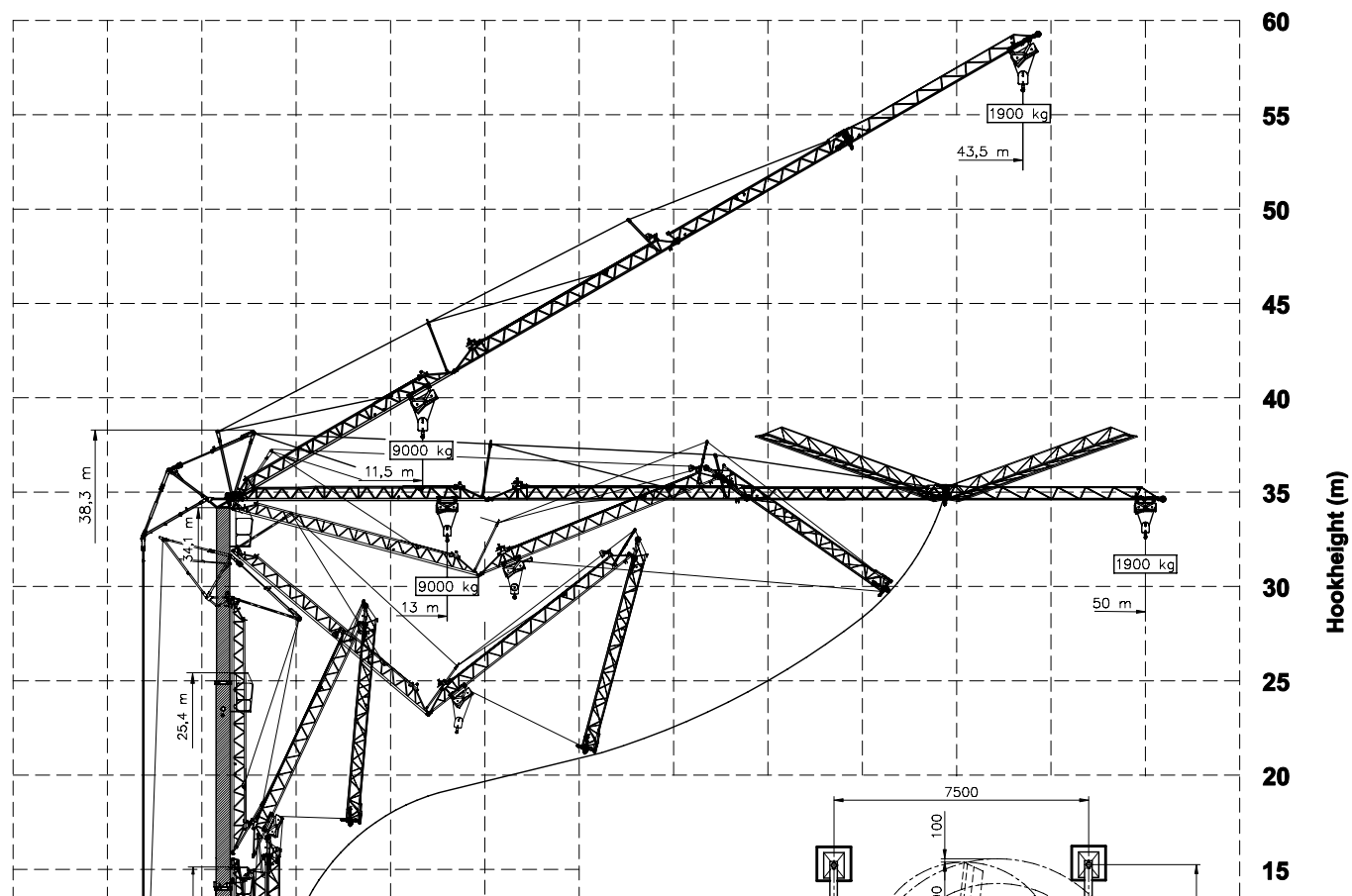
Hookheight (m)

**Lifting chart****Outrigger support base 7,50 m x 5,72 m****Jib horizontal**

Hookheight 23,8 / 32,6 m (height under jib 25,8 / 34,6 m)





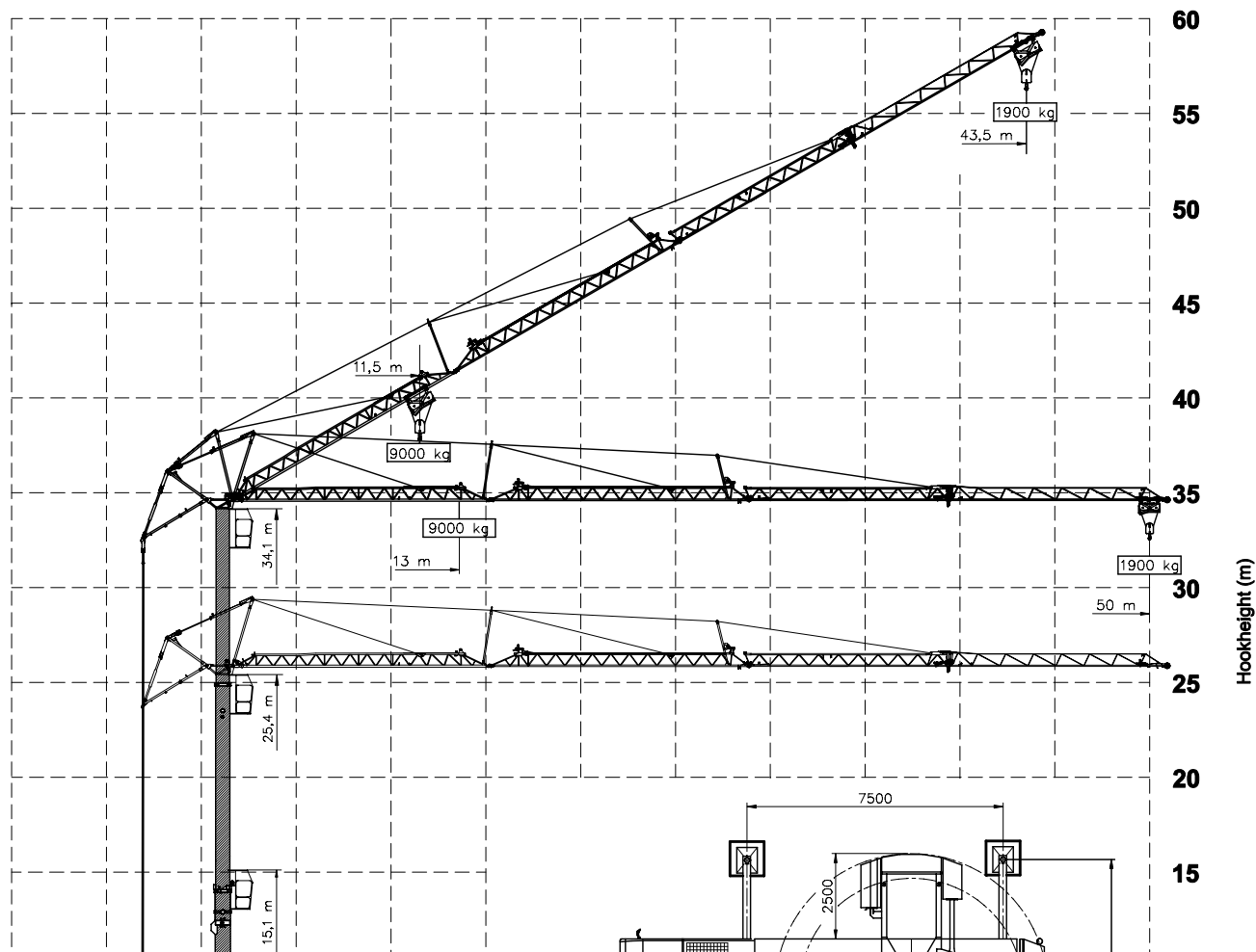


SPIERINGS HYDRAULIC FOLDING CRANE SK599-AT5

Erection procedure of the crane

Max. outrigger force : 440 kN
Outrigger support pads : 750x600 mm
Ground pressure : 1,00 N/mm²
Jib can be unfolded through 360°
Luffing the jib 30° can be controlled from
the crane cab or remote control

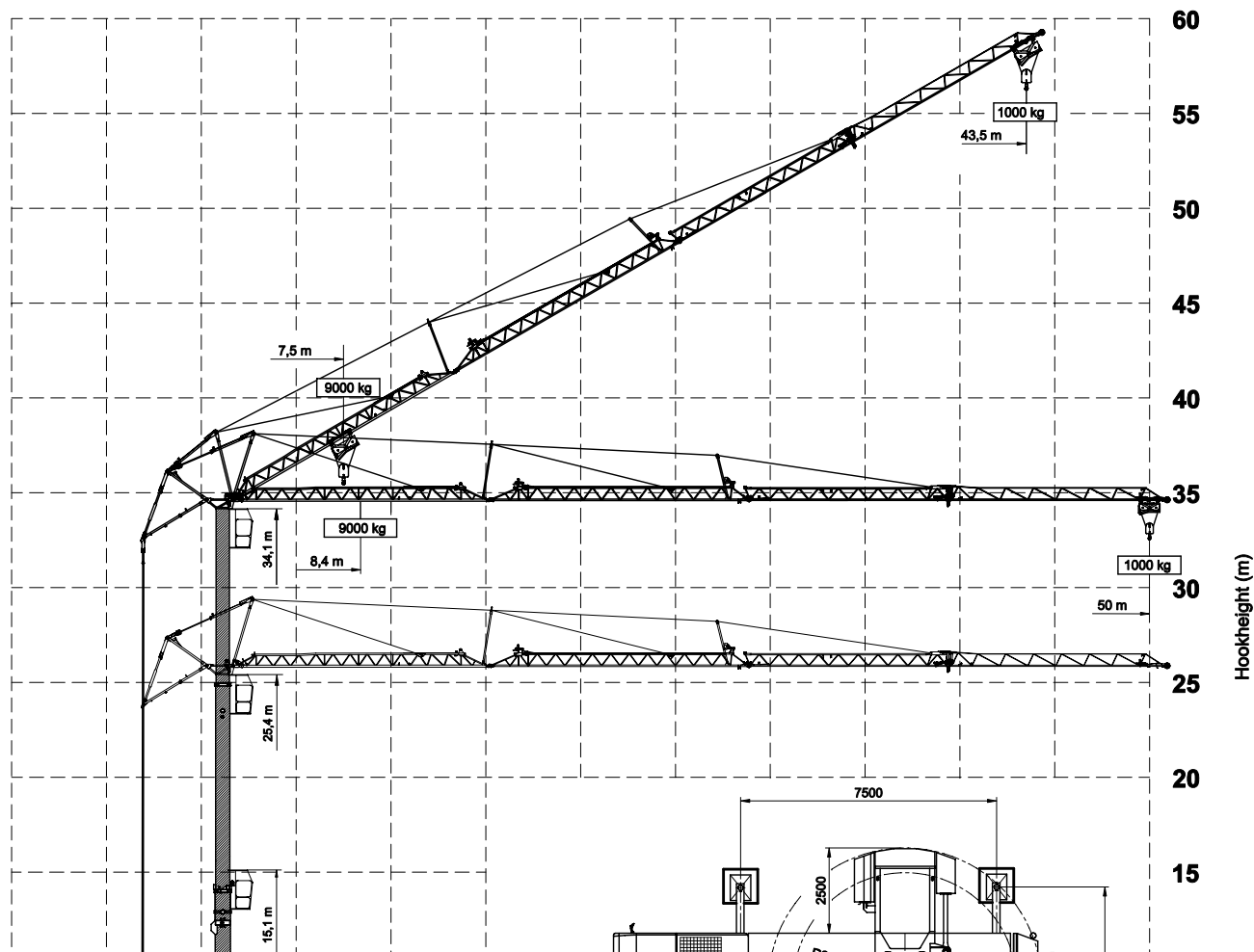
Outrigger support plates : 1000x1000 mm
surface : 1,00 m²
Ground pressure : 0,44 N/mm²



SPIERINGS **HYDRAULIC FOLDING CRANE** **SK599-AT5**

Hoisting Specifications

Outrigger support base
7,50 m x 7,66 m



SPIERINGS

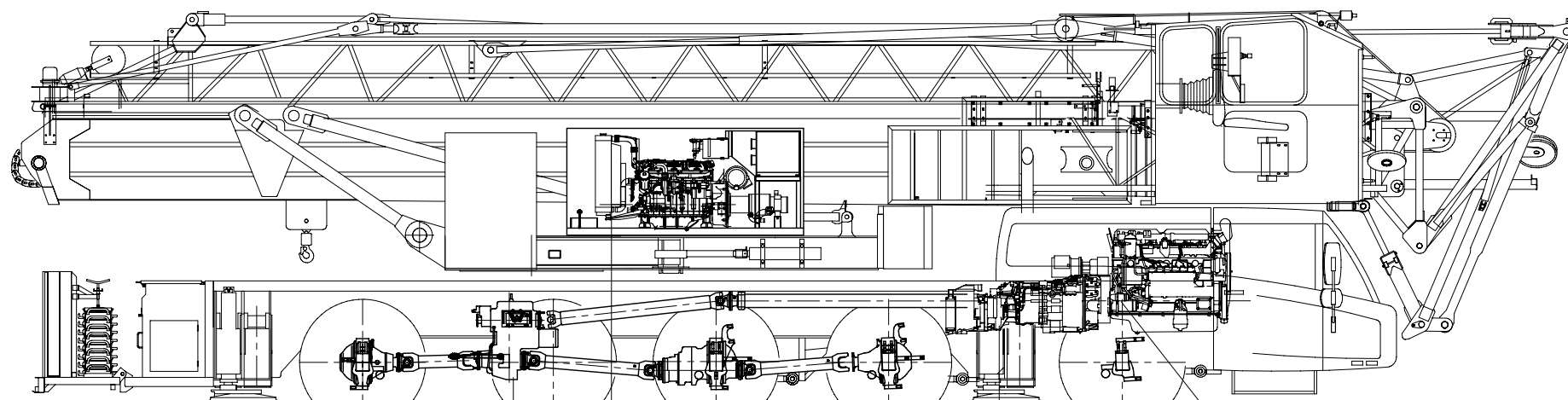
HYDRAULIC FOLDING CRANE

SK599-AT5

Hoisting Specifications

Outrigger support base

7,50 m x 5,72 m



Axle 5

Axle 4

Axle 3

Axle 2

Axle 1

Transfer box:
STEYR VG2001/396

Road gear $i=0,89$

Off road gear $i=1,54$

Crane diesel engine:
John Deere 4045HF475
Power: 129 kW (2200 rpm)
Torque: 700 Nm (1400 rpm)

Gearbox:
ZF 16AS2601
Automatic
Dry plate clutch
+ retarder

Carrier diesel engine:
Euro IV
DAF: MX 375 (12,9 ltr)
Power: 375 kW (1900 rpm)
Torque: 2500 Nm (1000-1410 rpm)

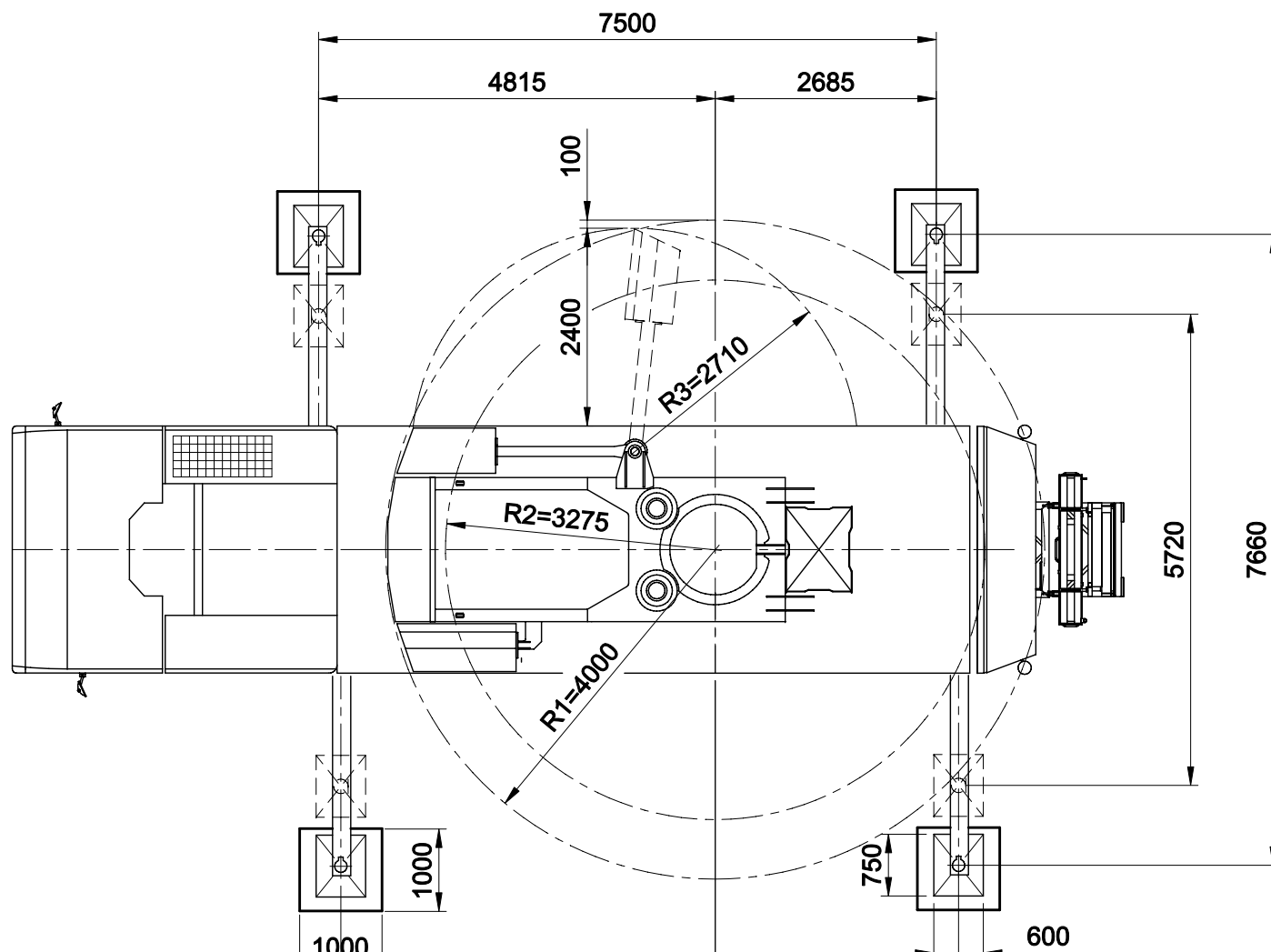
Axle 1 : Steer axle

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

Tyres

: 445/75 R22,5

Suspension: hydro-pneumatic on all axles; stroke cyl. : 247 mm



SPIERINGS

HYDRAULIC FOLDING CRANE

SK 599 - AT5

Outrigger support base

Max. outrigger force	440 kN
Outrigger support pads	750x600 mm
Ground pressure	1,00 N/mm ²
Outrigger support plates	1000x1000 mm
Surface	1,00 m ²
Ground pressure	0,44 N/mm ²