PALFINGER

PK 135.002 TEC 7 G

LIFTING CAPACITY DIAGRAM

Stabilizer situation

Fully supported

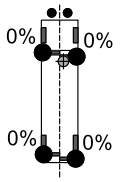
100430745 / S531-SK-A

Scania|R 480

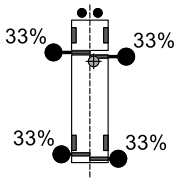
HPSC

○ .....Stabilizer not active
● .....Stabilizer active
%.....Outrigger stroke

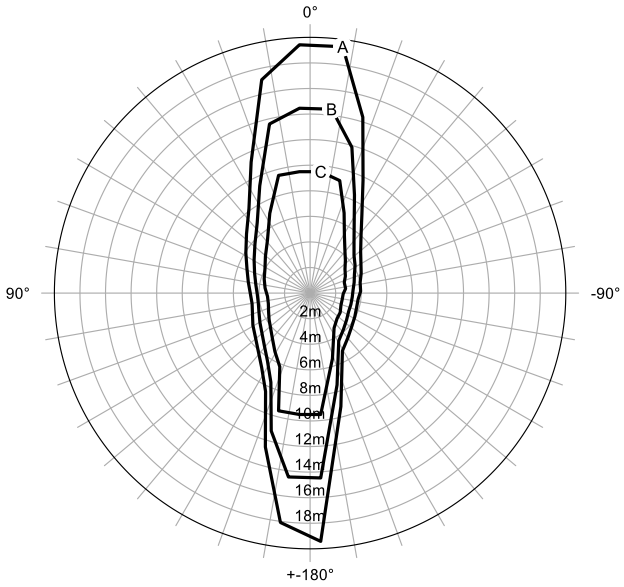
Max. occuring stabilizer force Fmax 427kN
Lifting performance with vehicle unloaded

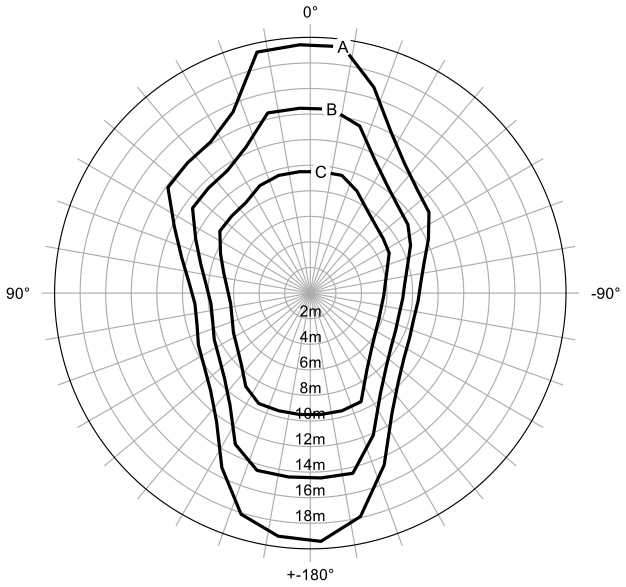


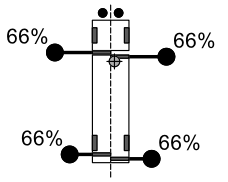
A: 4.500kg
B: 6.200kg
C: 9.900kg



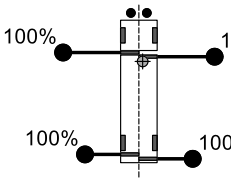
A: 4.500kg
B: 6.200kg
C: 9.900kg



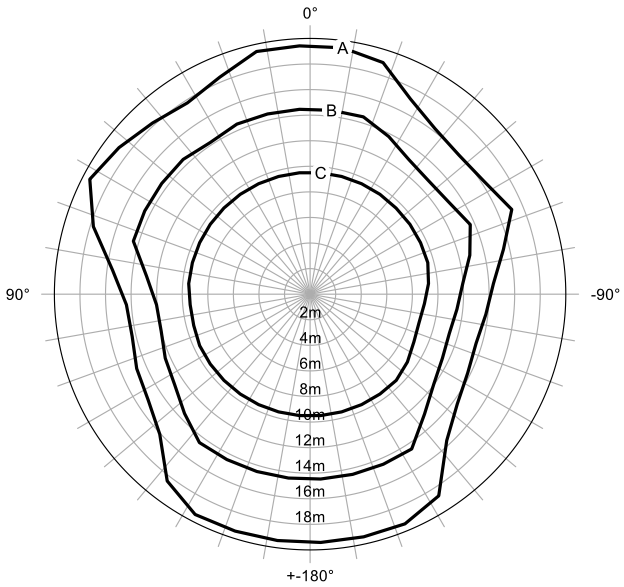


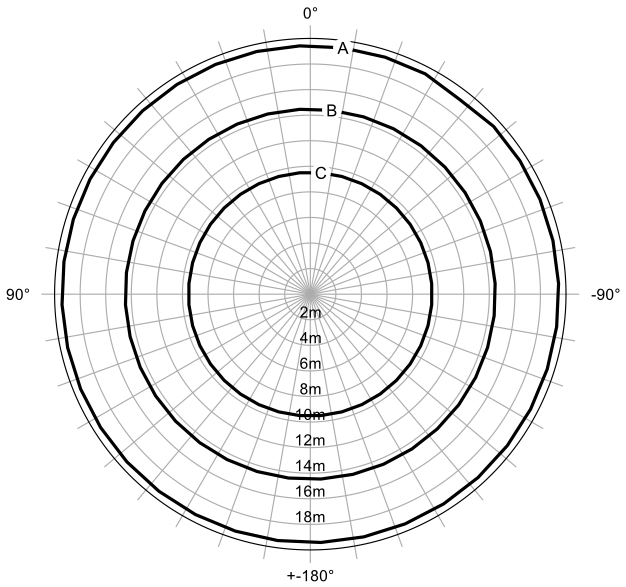


A: 4.500kg
B: 6.200kg
C: 9.900kg



A: 4.500kg
B: 6.200kg
C: 9.900kg





Load values are according to PALTRONIC parameters provided by the installer

Adjustment Date: 12.9.2018

Version: PCH 2.2.1.29256

Installer ID: SEVEMSE10924E019/658396874665

PALFINGER

PK 135.002 TEC 7 G + J310SKA E

LIFTING CAPACITY DIAGRAM

Stabilizer situation

Fully supported

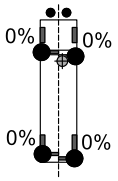
100430745 / S531-SK-A

Scania|R 480

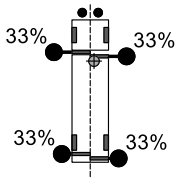
HPSC

○ .....Stabilizer not active
● .....Stabilizer active
%.....Outrigger stroke

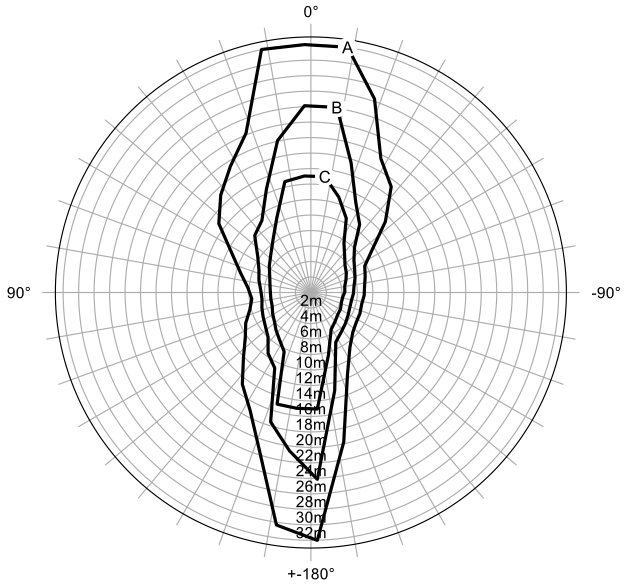
Max. occuring stabilizer force Fmax 427kN
Lifting performance with vehicle unloaded

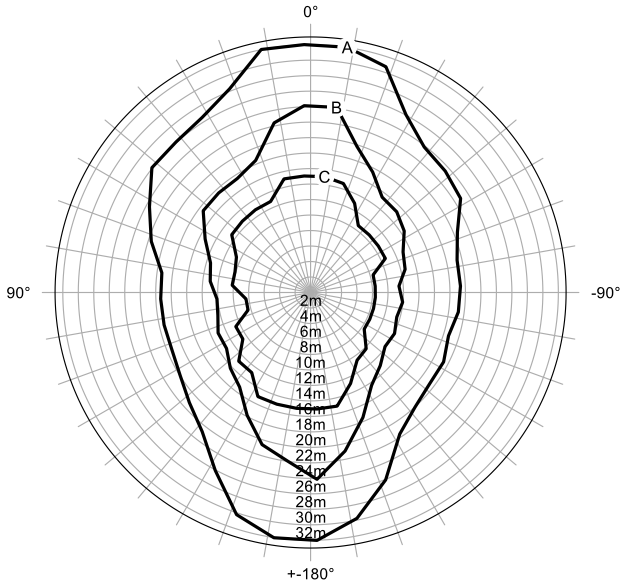


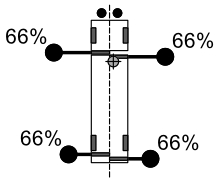
A: 1.120kg
B: 2.500kg
C: 4.600kg



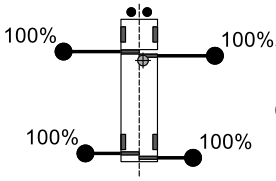
A: 1.120kg
B: 2.500kg
C: 4.600kg



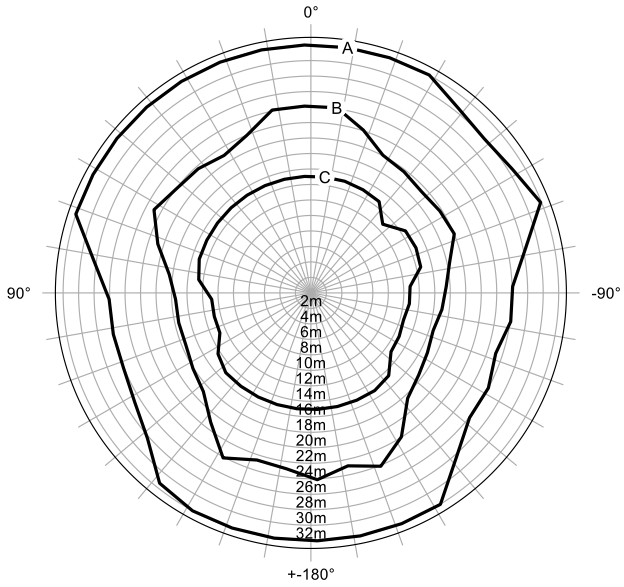


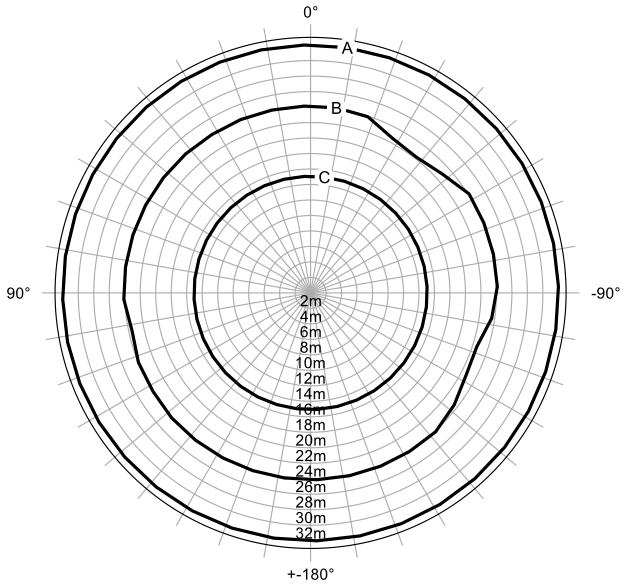


A: 1.120kg
B: 2.500kg
C: 4.600kg



A: 1.120kg
B: 2.500kg
C: 4.600kg





Load values are according to PALTRONIC parameters provided by the installer

Adjustment Date: 12.9.2018

Version: PCH 2.2.1.29256

Installer ID: SEVEMSE10924E019/658396874665

PALFINGER

PK 135.002 TEC 7 G

LIFTING CAPACITY DIAGRAM

Stabilizer situation

Partly supported

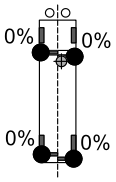
100430745 / S531-SK-A

Scania|R 480

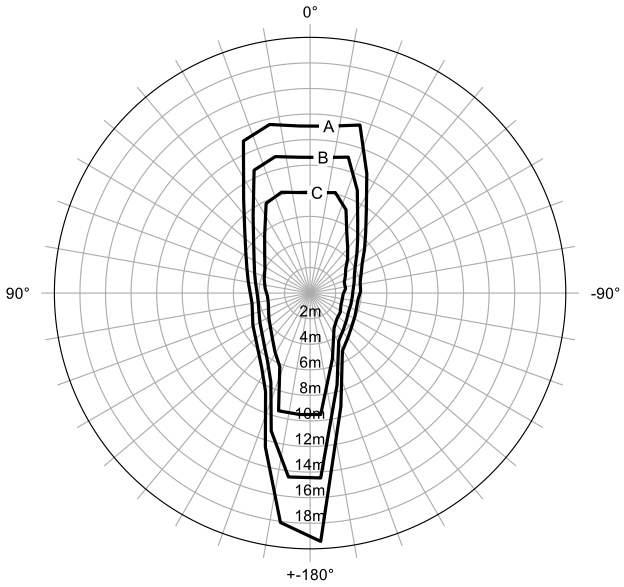
HPSC

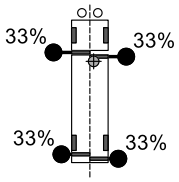
○ .....Stabilizer not active
● .....Stabilizer active
%.....Outrigger stroke

Max. occuring stabilizer force Fmax 427kN

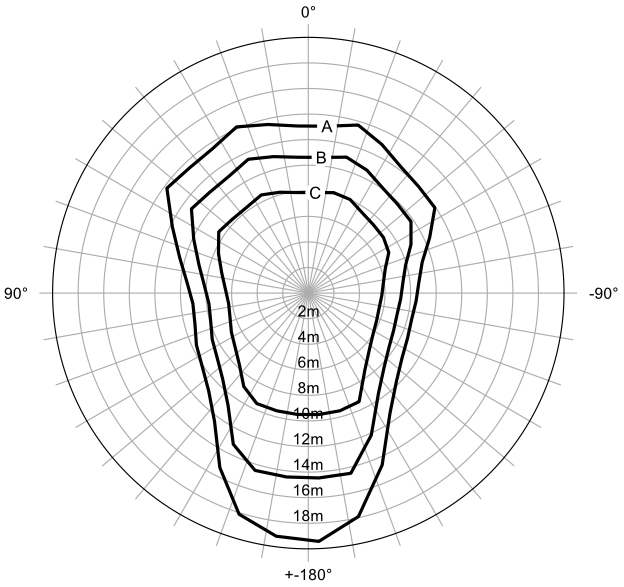


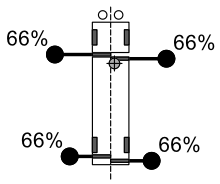
A: 4.500kg
B: 6.200kg
C: 9.900kg



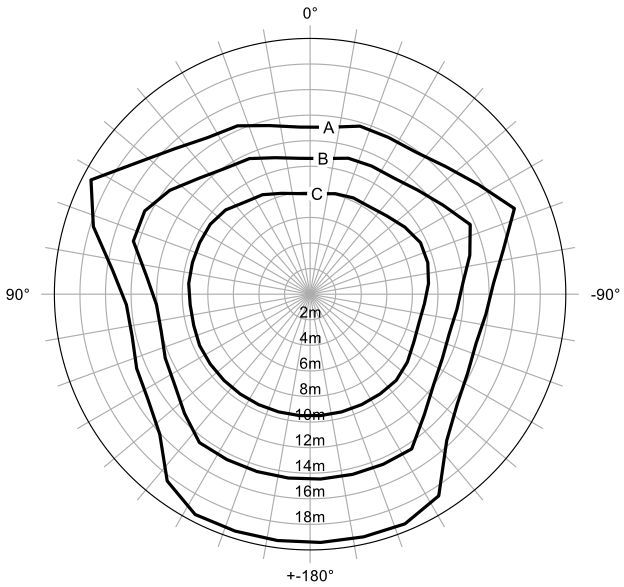


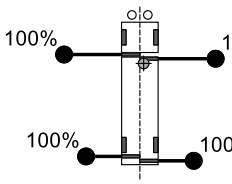
A: 4.500kg
B: 6.200kg
C: 9.900kg



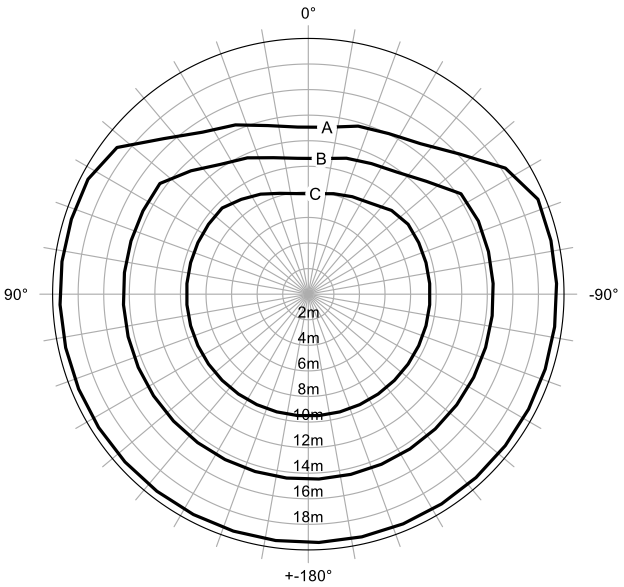


A: 4.500kg
B: 6.200kg
C: 9.900kg





A: 4.500kg
B: 6.200kg
C: 9.900kg



Load values are according to PALTRONIC parameters provided by the installer

Adjustment Date: 12.9.2018

Version: PCH 2.2.1.29256

Installer ID: SEVEMSE10924E019/658396874665

PALFINGER

PK 135.002 TEC 7 G + J310SKA E

LIFTING CAPACITY DIAGRAM

Stabilizer situation

Partly supported

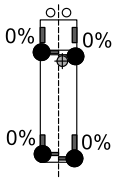
100430745 / S531-SK-A

Scania|R 480

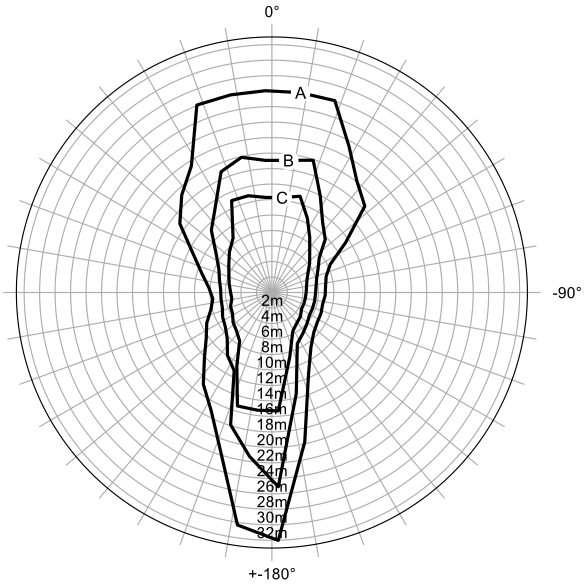
HPSC

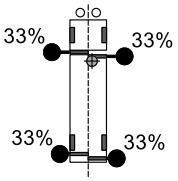
○ .....Stabilizer not active
● .....Stabilizer active
%.....Outrigger stroke

Max. occuring stabilizer force Fmax 427kN

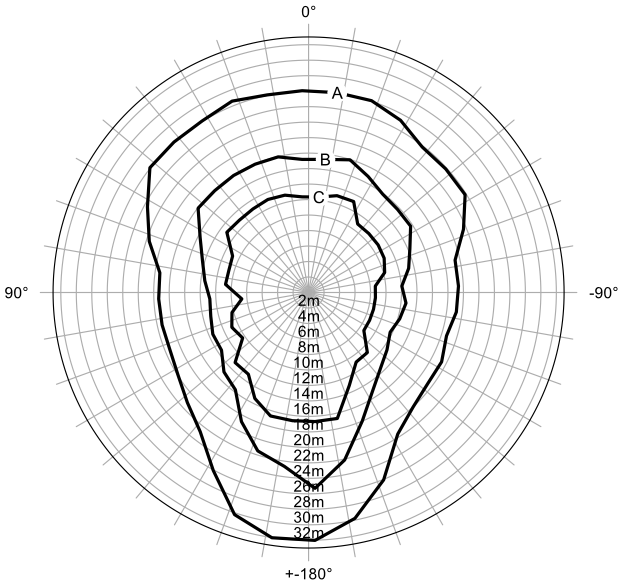


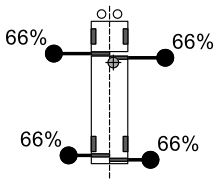
A: 1.120kg
B: 2.350kg
C: 4.250kg



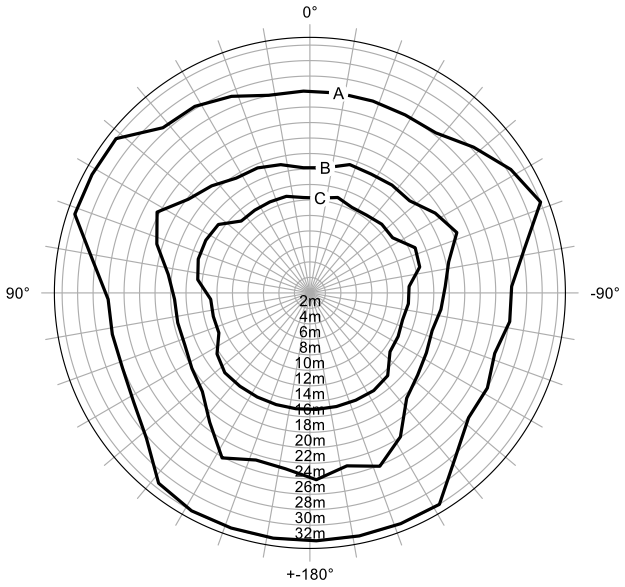


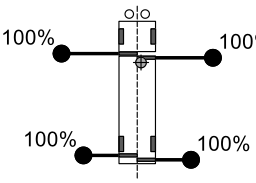
A: 1.120kg
B: 2.300kg
C: 4.250kg





A: 1.120kg
B: 2.500kg
C: 4.600kg





A: 1.120kg
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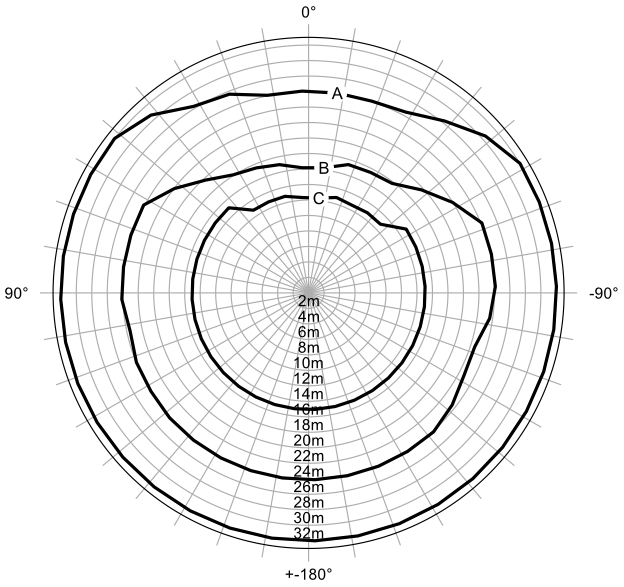


Load values are according to PALTRONIC parameters provided by the installer

Adjustment Date: 12.9.2018

Version: PCH 2.2.1.29256

Installer ID: SEVEMSE10924E019/658396874665

PALFINGER

PK 135.002 TEC 7 G

LIFTING CAPACITY SAMPLES

for periodic inspections

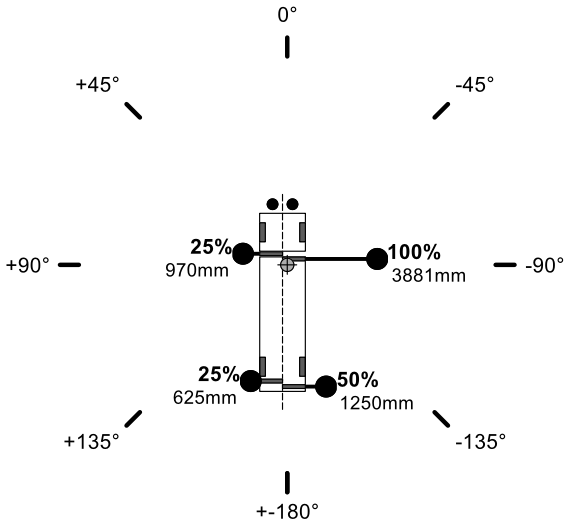
Fully supported

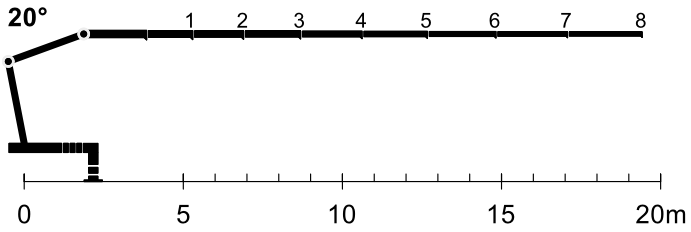
100430745 / S531-SK-A

Scania|R 480

HPSC

Lifting performance with vehicle unloaded





mm = cylinder stroke

	0 (4,5m)	1 (5,9m)	2 (7,5m)	3 (9,2m)	4 (11,0m)	5 (12,9m)	6 (15,0m)	7 (17,2m)	8 (19,4m)
0°	22.100kg	16.600kg	12.900kg	10.300kg	8.400kg	7.000kg	5.900kg	5.100kg	4.500kg
+45°	22.100kg	16.600kg	11.300kg	8.000kg	6.000kg	4.600kg	3.700kg	3.100kg	2.650kg
+90°	16.300kg	9.000kg	5.500kg	3.600kg	2.450kg	1.700kg	1.240kg	960kg	780kg
+135°	22.100kg	16.600kg	10.500kg	6.400kg	4.250kg	3.000kg	2.250kg	1.740kg	1.420kg
+180°	22.100kg	16.600kg	12.900kg	10.300kg	8.400kg	7.000kg	5.900kg	5.100kg	4.500kg
-135°	22.100kg	16.600kg	12.900kg	10.300kg	8.400kg	6.400kg	4.900kg	3.950kg	3.300kg
-90°	22.100kg	16.600kg	12.900kg	10.300kg	8.400kg	7.000kg	5.900kg	5.100kg	4.500kg
-45°	22.100kg	16.600kg	12.900kg	10.300kg	8.400kg	7.000kg	5.900kg	5.100kg	4.400kg

How to use the document

This document is meant to support periodic inspections.
The table shows the adjusted lifting capacities of the crane
- in the shown support condition
- at different slewing angles
- with different extension values (one value per extension boom)

How to check a test point
- Position the unloaded vehicle
- Establish the shown support condition (outriggers and stabilizers exactly as shown in the picture)
- Select a slewing angle from the table
- Choose a test load for this slewing angle (must be within the highest and the lowest value of that angle)
- Put the crane into the shown position, make sure the main boom is at the strongest angle (refer to picture)
  - The crane has to be able to lift the load
  - The overload system has to switch off when extending the boom system further (about 5 to 10%)

Position the unloaded vehicle
- Check any amount of test points according to above procedure (suggestion 3 – 5).
- The check is passed if the crane overload systems switches off according to the test position.
- Due to the many influencing factors (accuracy of support condition, slewing angle, boom angle and test load) tolerances of about 10% may occur.
- When switching off, the stability of the vehicle has to be according to the system setting, but still in safe condition.

Load values are according to PALTRONIC parameters provided by the installer

Adjustment Date: 12.9.2018

Version: PCH 2.2.1.29256

Installer ID: SEVEMSE10924E019/658396874665

PALFINGER

PK 135.002 TEC 7 G

LIFTING CAPACITY SAMPLES

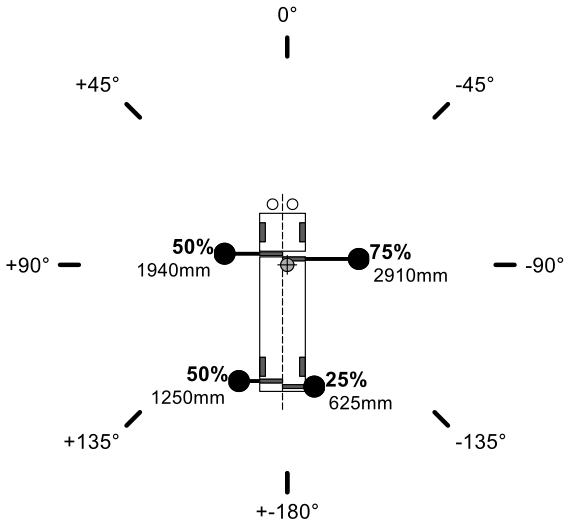
for periodic inspections

Partly supported

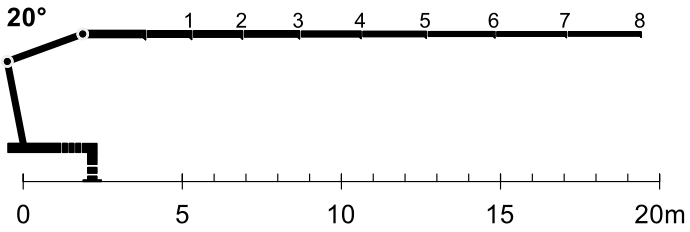
100430745 / S531-SK-A

Scania|R 480

HPSC



mm = cylinder stroke



	0 (4,5m)	1 (5,9m)	2 (7,5m)	3 (9,2m)	4 (11,0m)	5 (12,9m)	6 (15,0m)	7 (17,2m)	8 (19,4m)
0°	22.100kg	15.500kg	10.700kg	7.800kg	5.900kg	4.600kg	3.700kg	3.100kg	2.650kg
+45°	22.100kg	16.600kg	12.900kg	10.000kg	7.400kg	5.800kg	4.650kg	3.850kg	3.300kg
+90°	22.100kg	16.600kg	11.000kg	7.300kg	5.100kg	3.750kg	2.900kg	2.350kg	2.000kg
+135°	22.100kg	16.600kg	12.900kg	10.300kg	7.800kg	5.500kg	4.150kg	3.300kg	2.700kg
+180°	22.100kg	16.600kg	12.900kg	10.300kg	8.400kg	7.000kg	5.900kg	5.100kg	4.500kg
-135°	22.100kg	16.600kg	12.700kg	8.300kg	5.800kg	4.250kg	3.300kg	2.650kg	2.200kg
-90°	22.100kg	16.600kg	12.900kg	10.300kg	7.700kg	5.700kg	4.400kg	3.550kg	3.000kg
-45°	22.100kg	16.600kg	12.000kg	8.800kg	6.700kg	5.300kg	4.250kg	3.600kg	3.100kg

How to use the document

This document is meant to support periodic inspections.
The table shows the adjusted lifting capacities of the crane
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- The check is passed if the crane overload systems switches off according to the test position.
- Due to the many influencing factors (accuracy of support condition, slewing angle, boom angle and test load) tolerances of about 10% may occur.
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Load values are according to PALTRONIC parameters provided by the installer

Adjustment Date: 12.9.2018

Version: PCH 2.2.1.29256

Installer ID: SEVEMSE10924E019/658396874665

PALFINGER

PK 135.002 TEC 7 G + J310SKA E

LIFTING CAPACITY DIAGRAM

Stabilizer situation

Fully supported, Workman Basket BB040

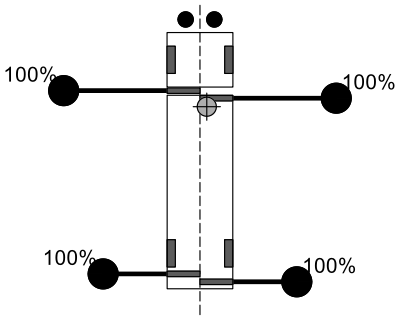
100430745 / S531-SK-A

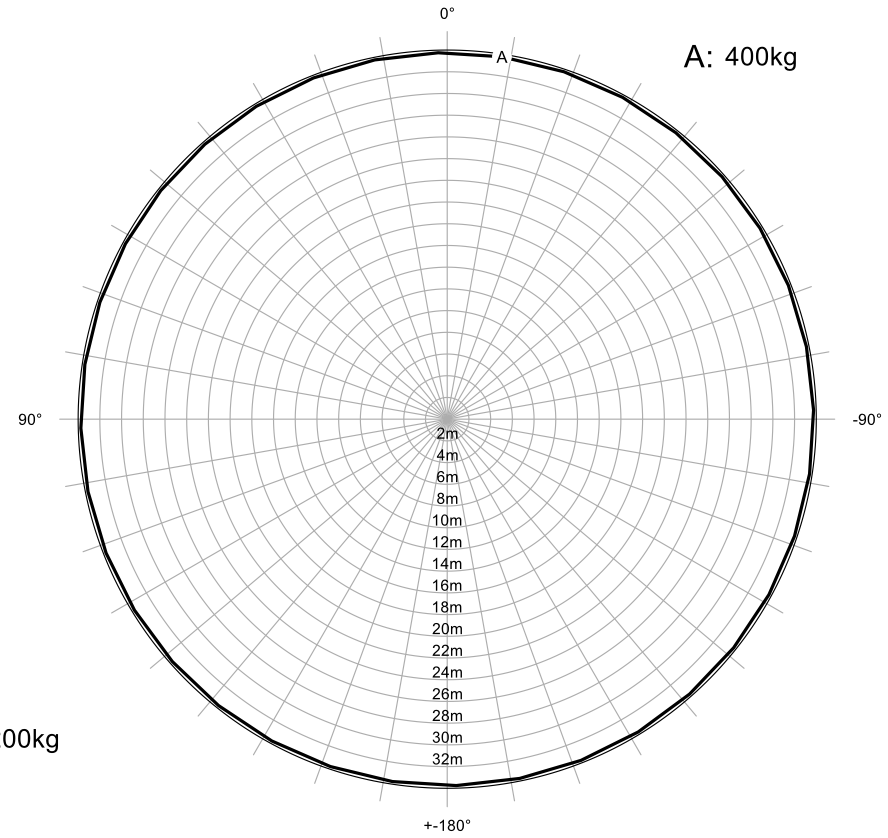
Scania|R 480

HPSC

○ .....Stabilizer not active
● .....Stabilizer active
%.....Outrigger stroke

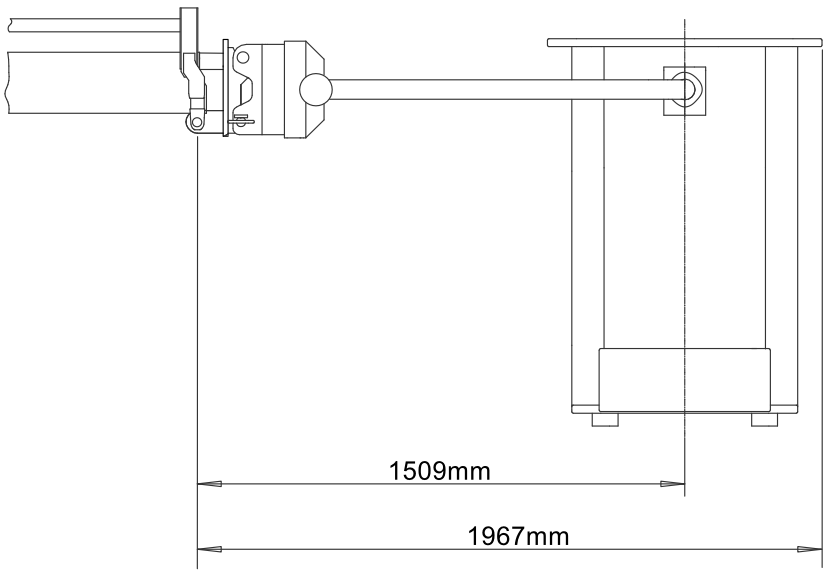
Max. occuring stabilizer force Fmax 427kN





Basket own weight = 200kg
Basket maximum payload = 200kg
Basket total weight = 400kg

The possible working geometry of the crane is shown in its lifting diagram.
The outreach of the crane in basket mode increases due to the basket connection. Refer to below drawing.



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