PALFINGER

PK 165.002 TEC 7 H

LIFTING CAPACITY DIAGRAM

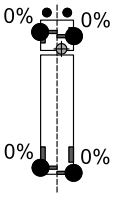
Stabilizer situation:
Fully supported

100500235 / S533-SK-A
Volvo|FH

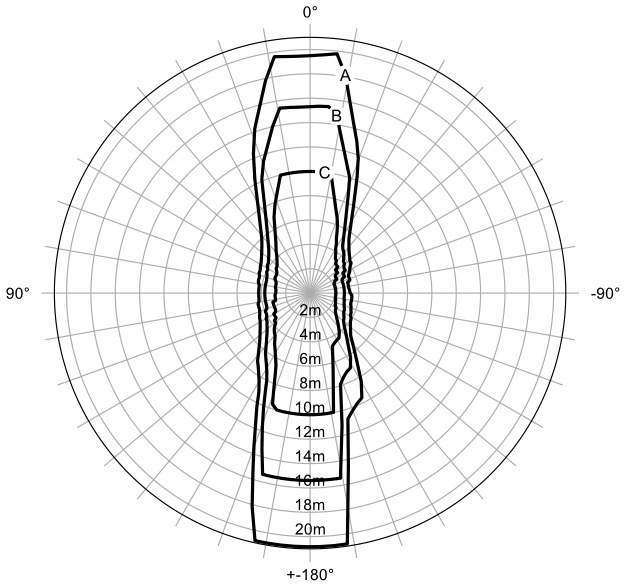
HPSC

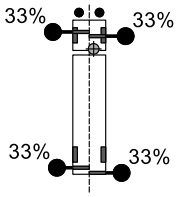
○ .....Stabilizer not active
● .....Stabilizer active
%.....Outrigger stroke

Max. occuring stabilizer force Fmax 419kN (dynamic)
Lifting performance with vehicle unloaded

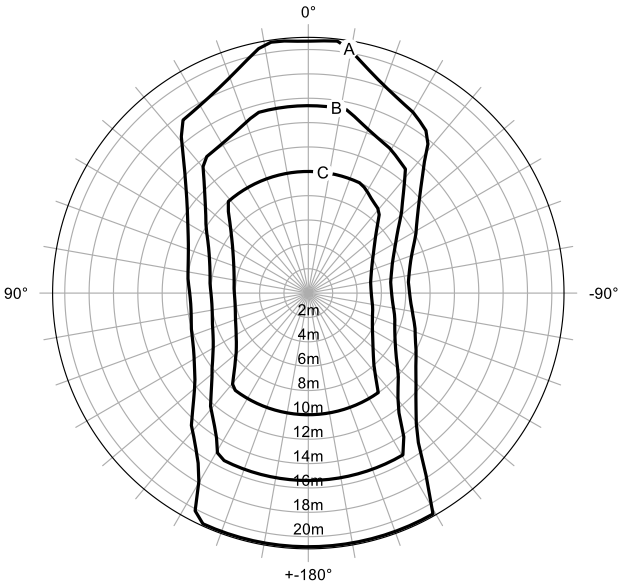


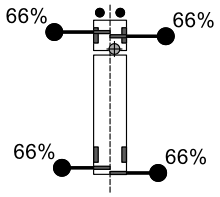
A: 4.850kg
B: 6.700kg
C: 10.800kg



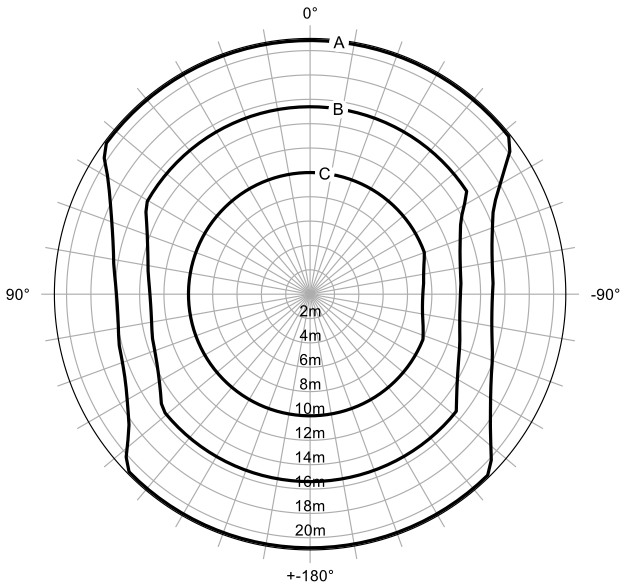


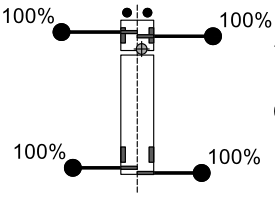
A: 4.850kg
B: 6.700kg
C: 10.800kg



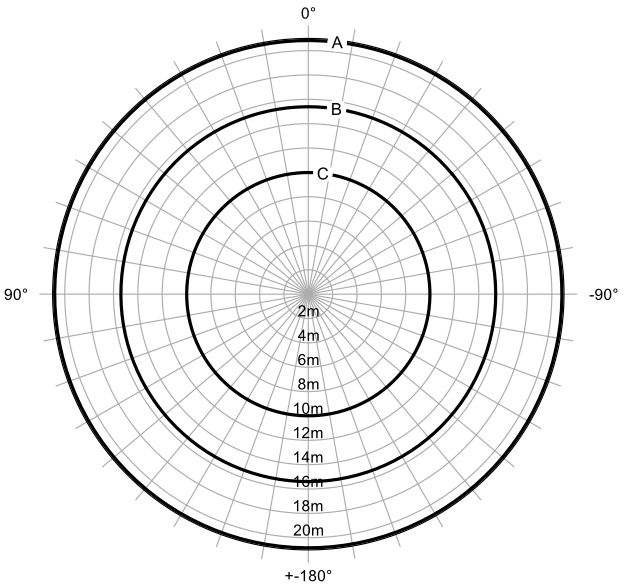


A: 4.850kg
B: 6.700kg
C: 10.800kg





A: 4.850kg
B: 6.700kg
C: 10.800kg



Load values are according to PALTRONIC parameters provided by the installer

Palchart_AdjustmentDate: 20.12.2019

Version:
PCH 2.2.1.23126

Palchart_InstallerID: FIVTA T02959E023/683596006665

PALFINGER

PK 165.002 TEC 7 H PJ 240 E

LIFTING CAPACITY DIAGRAM

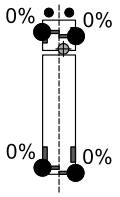
Stabilizer situation:
Fully supported

100500235 / S533-SK-A
Volvo|FH

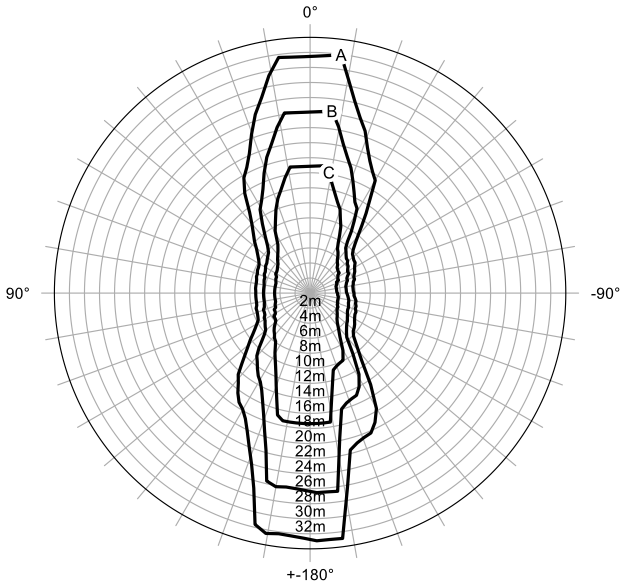
HPSC

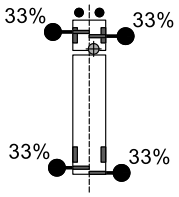
○ .....Stabilizer not active
● .....Stabilizer active
%.....Outrigger stroke

Max. occuring stabilizer force Fmax 419kN (dynamic)
Lifting performance with vehicle unloaded

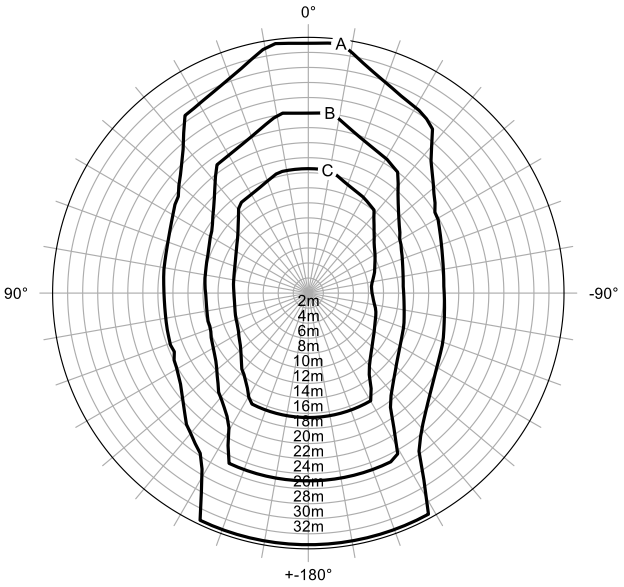


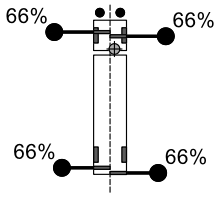
A: 1.600kg
B: 2.550kg
C: 4.800kg



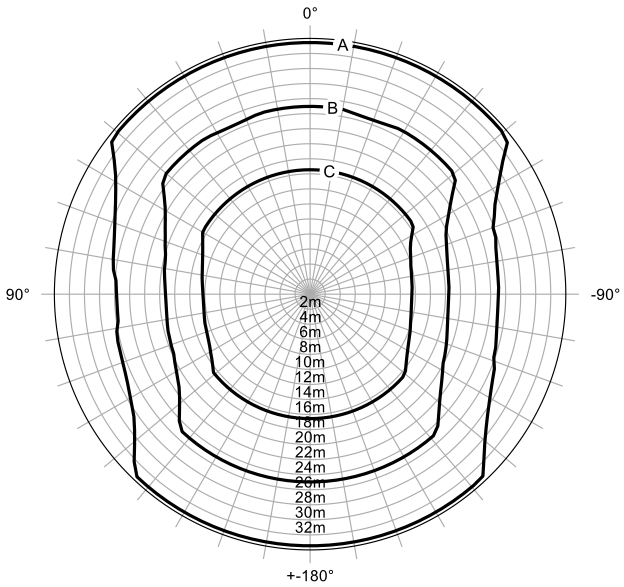


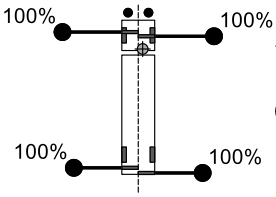
A: 1.600kg
B: 2.800kg
C: 5.100kg



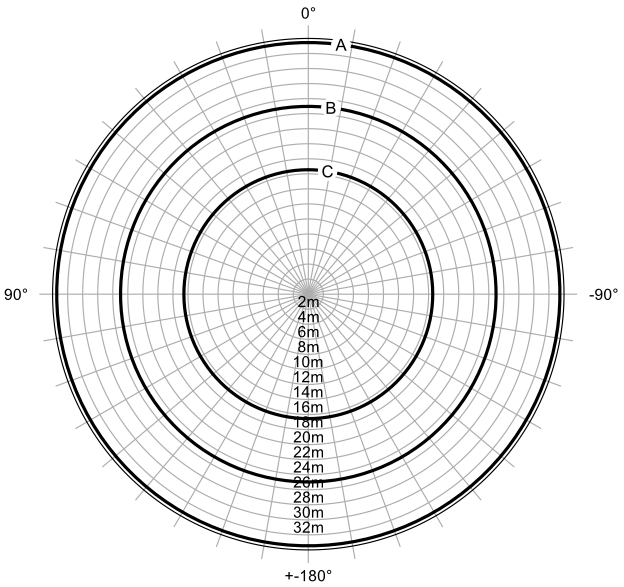


A: 1.600kg
B: 2.800kg
C: 5.100kg





A: 1.600kg
B: 2.800kg
C: 5.100kg



Load values are according to PALTRONIC parameters provided by the installer

Palchart_AdjustmentDate: 20.12.2019

Version: PCH 2.2.1.23126

Palchart_InstallerID: FIVTA T02959E023/683596006665

PALFINGER

PK 165.002 TEC 7 H

LIFTING CAPACITY DIAGRAM

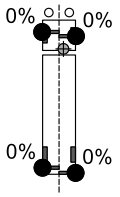
Stabilizer situation:
Partly supported

100500235 / S533-SK-A
Volvo|FH

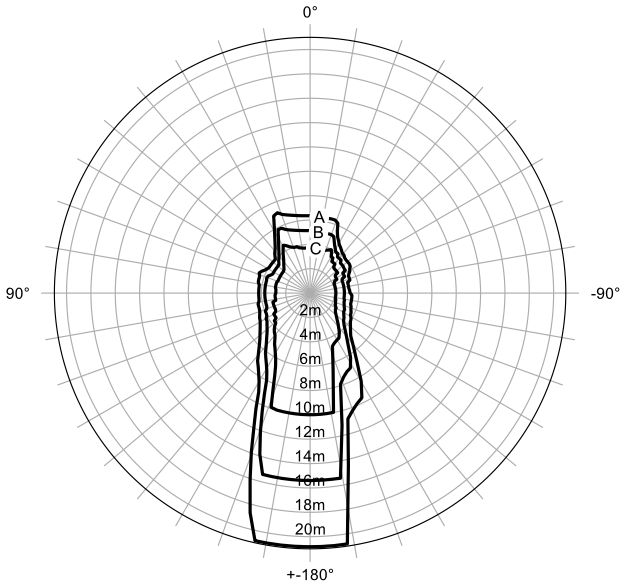
HPSC

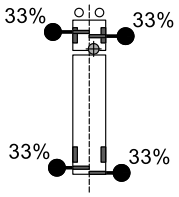
○ .....Stabilizer not active
● .....Stabilizer active
%.....Outrigger stroke

Max. occuring stabilizer force Fmax 419kN (dynamic)

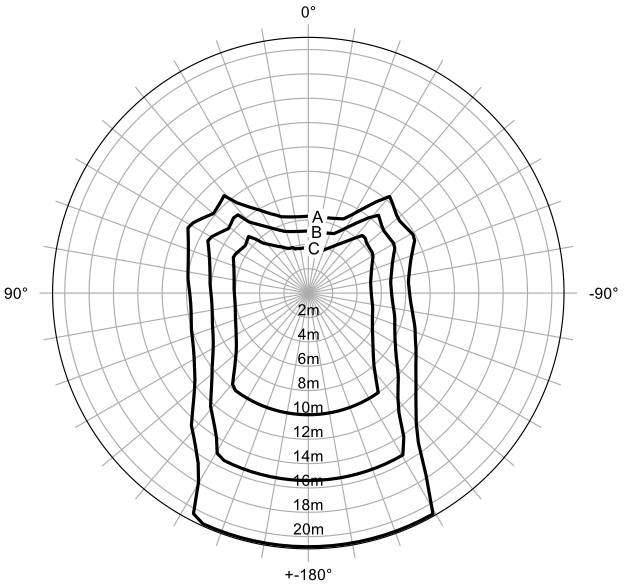


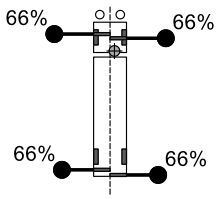
A: 4.850kg
B: 6.700kg
C: 10.800kg



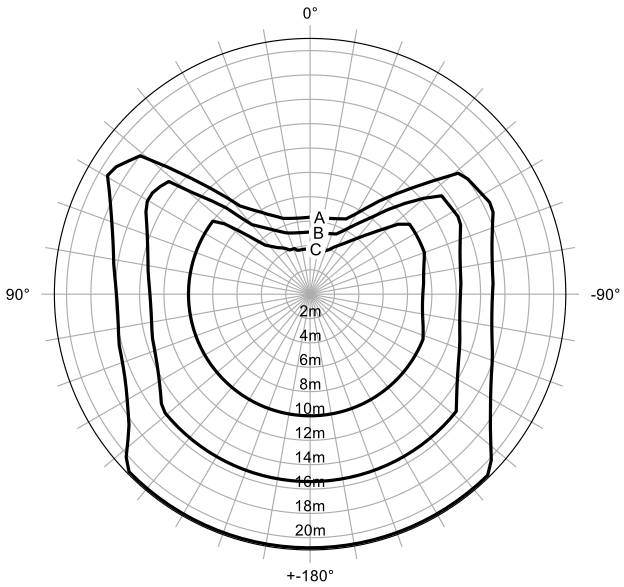


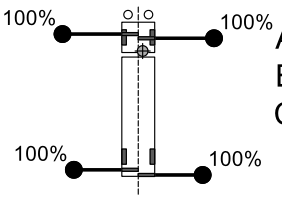
A: 4.850kg
B: 6.700kg
C: 10.800kg



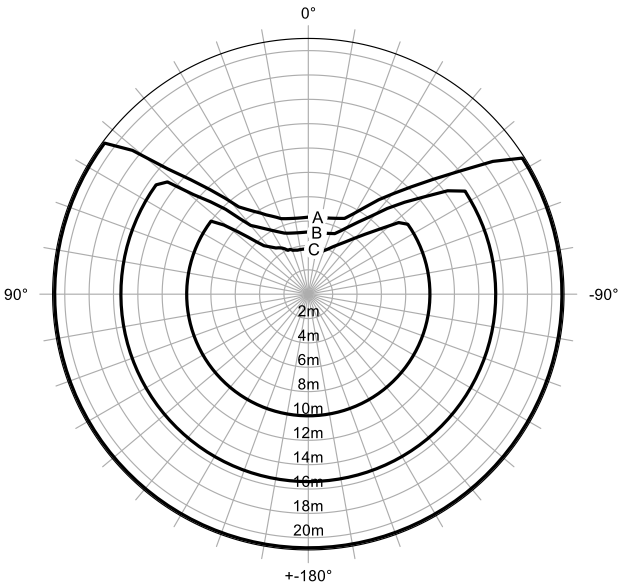


A: 4.850kg
B: 6.700kg
C: 10.800kg





A: 4.850kg
B: 6.700kg
C: 10.800kg



Load values are according to PALTRONIC parameters provided by the installer

Palchart_AdjustmentDate: 20.12.2019

Version:
PCH 2.2.1.23126

Palchart_InstallerID: FIVTA T02959E023/683596006665

PALFINGER

PK 165.002 TEC 7 H PJ 240 E

LIFTING CAPACITY DIAGRAM

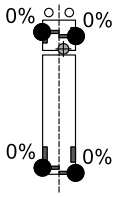
Stabilizer situation:
Partly supported

100500235 / S533-SK-A
Volvo|FH

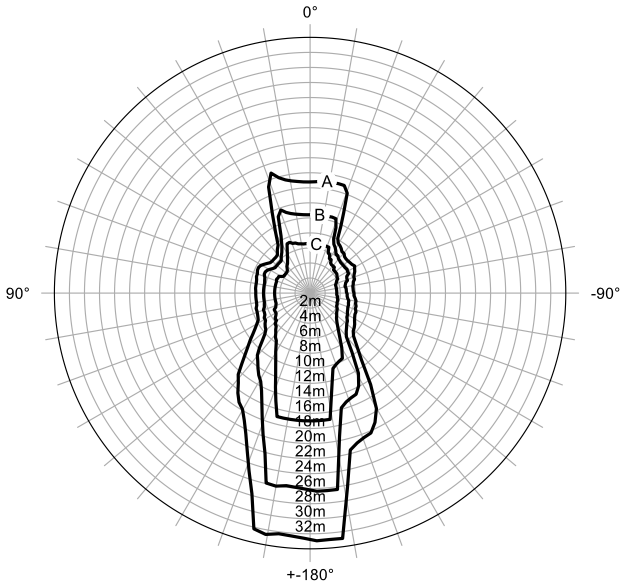
HPSC

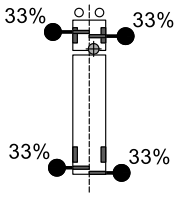
○ .....Stabilizer not active
● .....Stabilizer active
%.....Outrigger stroke

Max. occuring stabilizer force Fmax 419kN (dynamic)

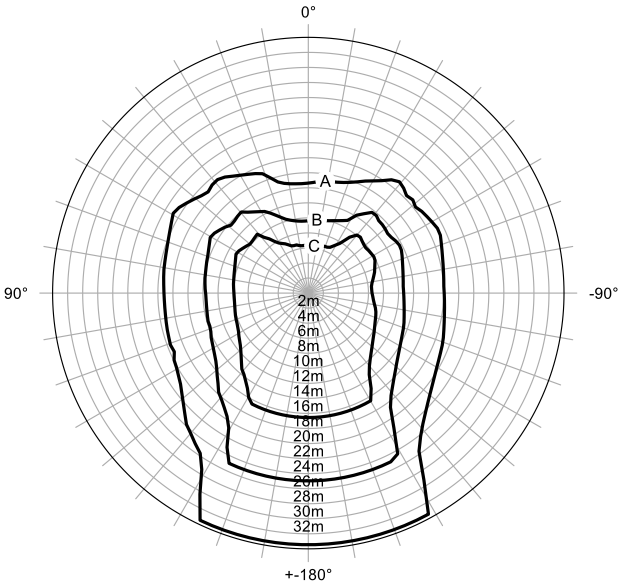


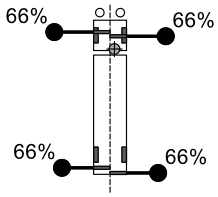
A: 1.600kg
B: 2.600kg
C: 5.000kg



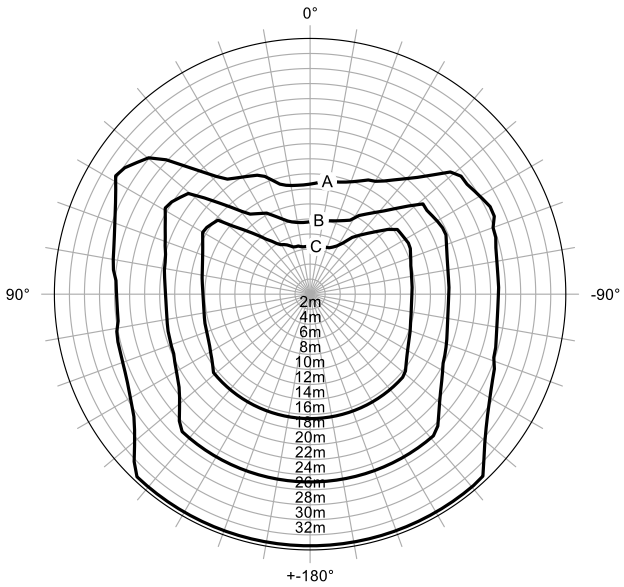


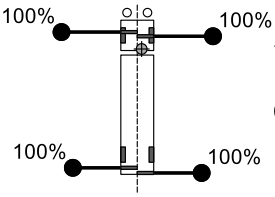
A: 1.600kg
B: 2.800kg
C: 5.100kg



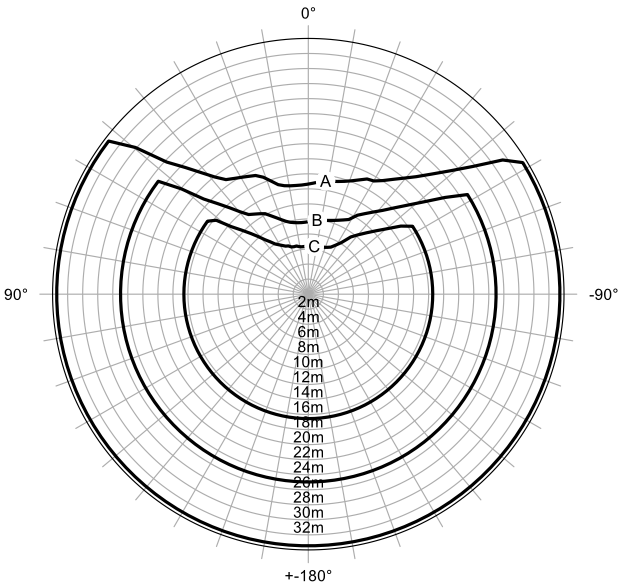


A: 1.600kg
B: 2.800kg
C: 5.100kg





A: 1.600kg
B: 2.800kg
C: 5.100kg



Load values are according to PALTRONIC parameters provided by the installer

Palchart_AdjustmentDate: 20.12.2019

Version: PCH 2.2.1.23126

Palchart_InstallerID: FIVTA T02959E023/683596006665

PALFINGER

PK 165.002 TEC 7 H

LIFTING CAPACITY SAMPLES

for periodic inspections

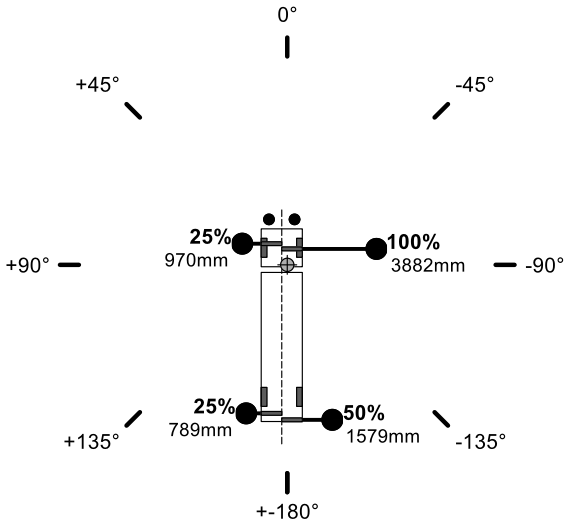
Fully supported

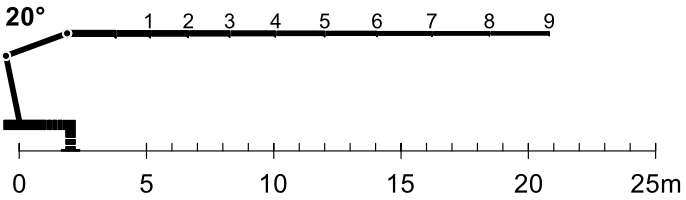
100500235 / S533-SK-A

Volvo|FH

HPSC

Lifting performance with vehicle unloaded





mm = cylinder stroke

	0 (4,5m)	1 (5,8m)	2 (7,3m)	3 (8,9m)	4 (10,5m)	5 (12,4m)	6 (14,3m)	7 (16,4m)	8 (18,6m)	9 (20,8m)
0°	25.300kg	19.500kg	15.300kg	12.300kg	10.200kg	8.500kg	7.200kg	6.200kg	5.500kg	4.850kg
+45°	20.900kg	14.200kg	10.000kg	7.500kg	5.800kg	4.400kg	3.450kg	2.750kg	2.300kg	1.960kg
+90°	15.000kg	9.200kg	6.300kg	4.500kg	3.300kg	2.350kg	1.760kg	1.340kg	1.060kg	890kg
+135°	25.300kg	19.500kg	15.300kg	10.500kg	7.600kg	5.500kg	4.150kg	3.250kg	2.650kg	2.250kg
+180°	25.300kg	19.500kg	15.300kg	12.300kg	10.200kg	8.500kg	7.200kg	6.200kg	5.500kg	4.850kg
-135°	25.300kg	19.500kg	15.300kg	12.300kg	10.200kg	8.500kg	7.200kg	6.200kg	5.500kg	4.700kg
-90°	25.300kg	19.500kg	15.300kg	12.300kg	10.200kg	8.500kg	7.200kg	6.200kg	5.200kg	4.450kg
-45°	25.300kg	19.500kg	15.300kg	12.300kg	10.200kg	8.500kg	7.200kg	6.200kg	5.500kg	4.850kg

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.

PALFINGER

PK 165.002 TEC 7 H

LIFTING CAPACITY SAMPLES

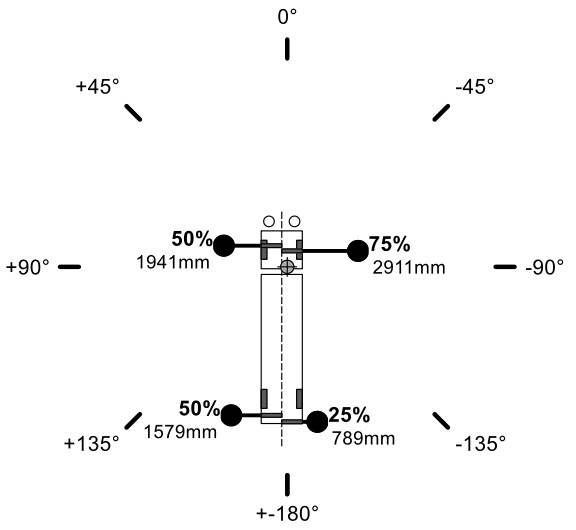
for periodic inspections

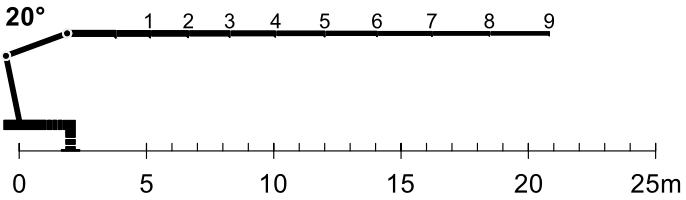
Partly supported

100500235 / S533-SK-A

Volvo|FH

HPSC





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	0 (4,5m)	1 (5,8m)	2 (7,3m)	3 (8,9m)	4 (10,5m)	5 (12,4m)	6 (14,3m)	7 (16,4m)	8 (18,6m)	9 (20,8m)
0°	8.000kg	5.500kg	3.900kg	2.850kg	2.100kg	1.440kg	1.020kg	740kg	570kg	460kg
+45°	25.300kg	19.500kg	14.500kg	11.100kg	8.100kg	5.900kg	4.500kg	3.550kg	2.900kg	2.450kg
+90°	25.300kg	19.300kg	12.700kg	9.200kg	6.900kg	5.100kg	3.950kg	3.200kg	2.650kg	2.250kg
+135°	25.300kg	19.500kg	15.300kg	12.300kg	10.200kg	8.500kg	7.200kg	6.000kg	4.900kg	4.100kg
+180°	25.300kg	19.500kg	15.300kg	12.300kg	10.200kg	8.500kg	7.200kg	6.200kg	5.500kg	4.850kg
-135°	25.300kg	19.500kg	15.300kg	12.000kg	9.100kg	6.900kg	5.400kg	4.300kg	3.600kg	3.050kg
-90°	25.300kg	19.500kg	15.300kg	11.100kg	8.200kg	6.100kg	4.650kg	3.700kg	3.050kg	2.600kg
-45°	12.500kg	9.600kg	7.500kg	6.100kg	5.000kg	3.950kg	3.200kg	2.650kg	2.250kg	1.960kg

How to use the document

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- with different extension values (one value per extension boom)

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