

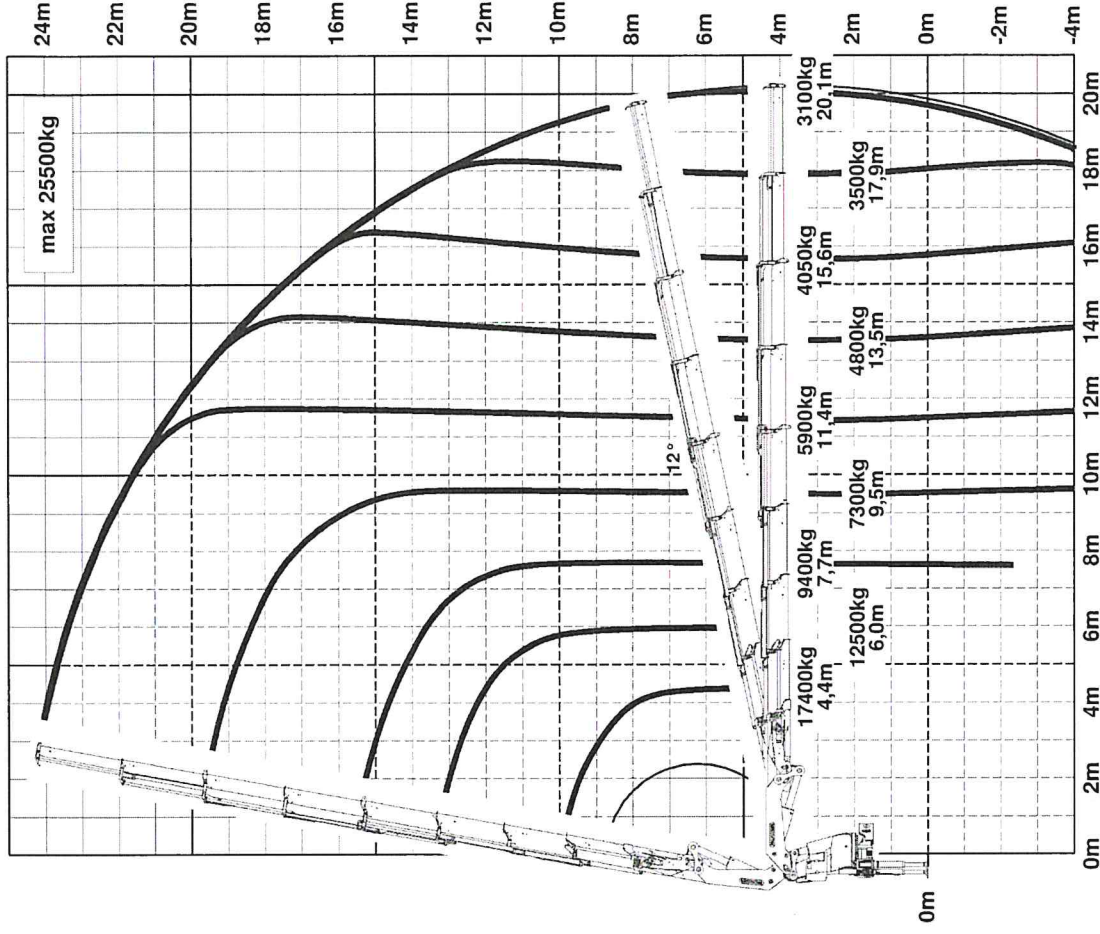
Merk **Palfinger**
Type **PK 92002-SH G**
Fabrieksnummer **100428895**
Bouwjaar **2018**
Kraangroep **HCI HDS/B3**
Kerngetal **68,2**
Maximale greklengthe **20,2** [m]
Maximale hijslast **25500** [kg]
Max. hijslast max. vlucht **3** [m]

EIGENAAR/GEbruiker:
Naam **Herpertz B.V.**

LEVERANCIER:
Naam **RN Transporttechniek BV**
Adres **De Run 4218 A**
Postcode **5503 LL**
Plaats **Veldhoven**
Telefoon **040-2556248**
Fax **040-2556249**
Email

AFSTEMPELMATEN:
Dwaarsrichting voor **8600** [mm]
Dwaarsrichting achter **8500** [mm]
Langsrichting rechts **5903** [mm]
Langsrichting links **5367** [mm]
Frontafstempeling h.o.h. **1235** [mm]
Frontafstempeling uit hart V-as **1460** [mm]

STEMPELDRIJKEN MAXIMAAL:
Front **88,3** [kN]
Voor **A 254 / B 234** [kN]
Achter **210** [kN]



Ballastprogramma's:
LCA03 : 3000 kg
LCA05 : 5000 kg
LCA07 : 8000 kg

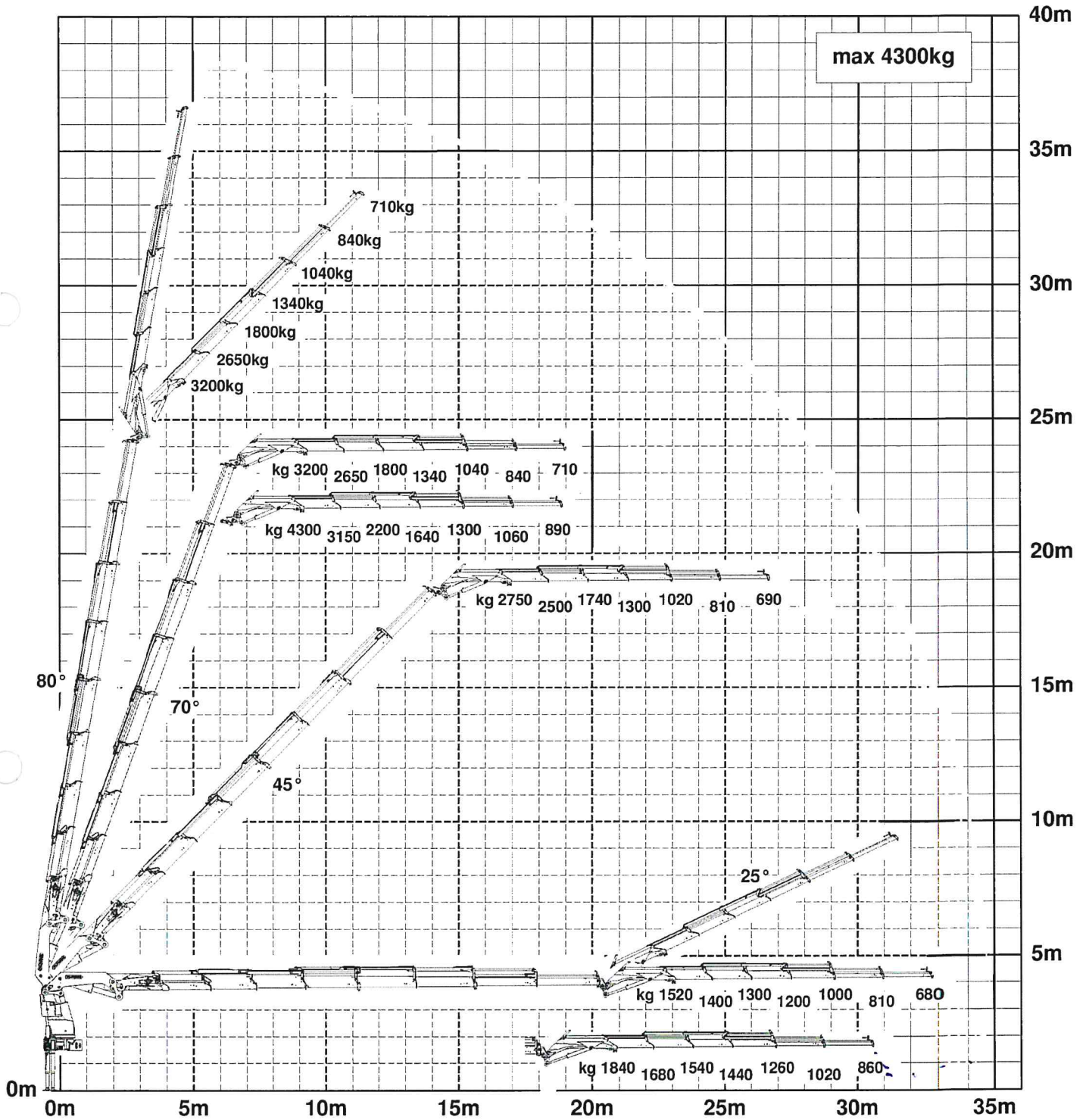
VOORWAARDEN:

- ✓ De kraanbestuurder(stjer) moet zowel op de hoogte zijn van de bedienings- als de wettelijke veiligheidsvoorschriften, voordat hij of zij de kraan gaat bedienen.
- ✓ De kraan bedienen aan die zijde waar geen beklimmingsgevaar aanwezig is.
- ✓ Men dient bij het laden en lossen van het voertuig de afstempeling bij te stellen.
- ✓ Verboden met de last aan de kraan te rijden.
- ✓ Hijslast in [kg] (kilogram)
- ✓ Tot -30 en boven +50 graden Celsius gelden geen beperkingen voor het werken met de kraan.
- ✓ Maximale hijslasten gelden bij een optimale hefarm positie van 20 graden ten opzichte van het horizontale vlak. Deze maximale voorwaarden vindt u terug in de last-vluchttabellen welke deel uitmaken van de bedieningshandleiding.
- ✓ Werken met de kraan is alleen toegestaan indien het voertuig geheel waterpas is afgestempeld op onderlegschotten met de wielen nog juist dragend op de bodem.
- ✓ Hijsgereedschappen dienen als last te worden gerekend.
- ✓ Tot een windsnelheid van 50 [km/h] (kilometer per uur) gelden geen beperkingen voor het gebruik van de kraan. Bij lasten met groot oppervlak of bij lasten in steile stand geldt een maximale windsnelheid van 34 [km/h].
- ✓ Hijslastdiagram volgens EN 12999:2011.
- ✓ Verboden voor onbevoegden zich binnen de gevarenzone van de machine te bevinden.
- ✓ Verboden de kraan onbeheerd achter te laten met een draaiende aandrijving.
- ✓ Hijslastdiagram met de maximale hijscapaciteit staat op het bedieningsconsole van de laadkraan afgebeeld.
- ✓ **Als de groene lamp brandt, wordt de kraan op afstand bestuurd.**
- ✓ Kraan bestemd voor "algemeen hijswerk".
- ✓ Palfinger HPSC 360° stabiliteitsbewaking, zie bijgaande vlinder tabellen.
- ✓ Kraan tevens voorzien van fly-jib, Palfinger PJ125E, serienummer 100428939, zie lasttabellen in bijlage.
- ✓ Hydraulische hijslijer gemonteerd op de hoofdarms, Palfinger SHEK 3.5 ton, reeptrek 3500 kg op eerste draadlaag.
- ✓ 3x ballastprogramma, zwaartepunt ballast op 5300 mm uit hart vooras.

Konstruktionsänderungen vorbehalten, fertigungstechn. Toleranzen müssen berücksichtigt werden.

DPS plus
Dual Power System

Bijlage gewaarmerkte lasttabel nr. 100428895, d.d. 3-9-2018
Herpertz B.V.
Kraan : PK92002-SH / serienr. 100428895
Fly-jib : PJ125 / serienr. 100428939



Krendarstellung symbolisch, Angaben bei 20° Hauptarmstellung & Lastarm horizontal

PALFINGER

PK 92002-SH G

LIFTING CAPACITY DIAGRAM

Stabilizer situation
Fully supported

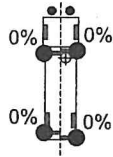
100428895 / S511-SKD

VolvoFM

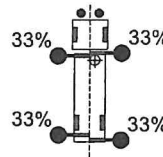
HPSC

-Stabilizer not active
-Stabilizer active
- %.....Outrigger stroke

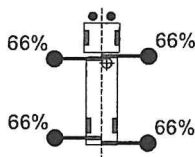
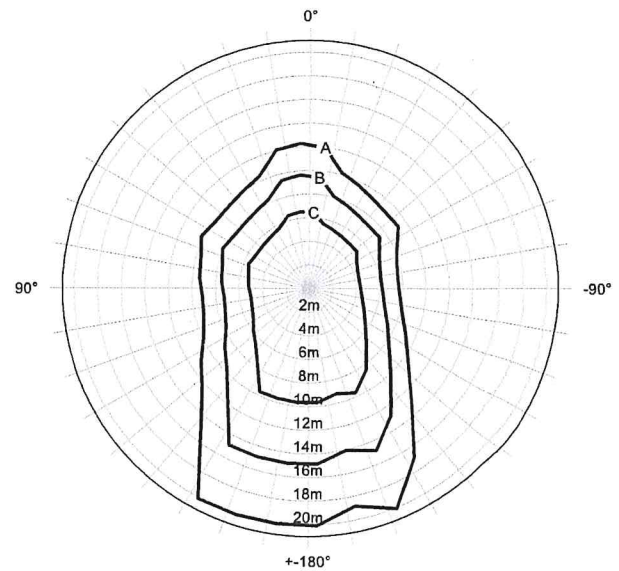
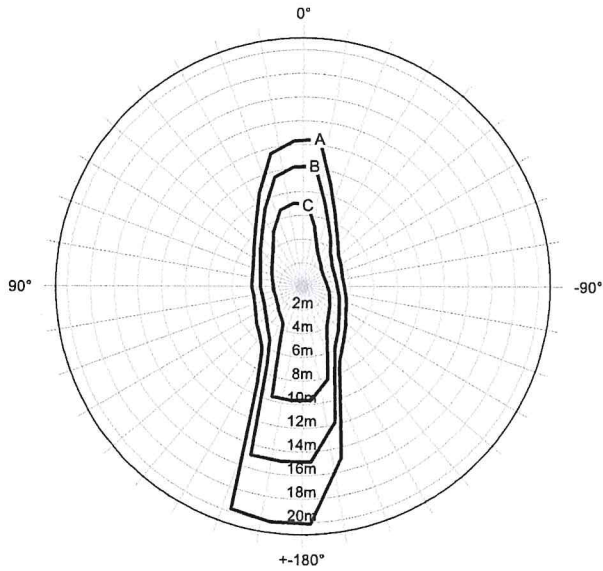
Max. occurring stabilizer force F_{max} 299kN



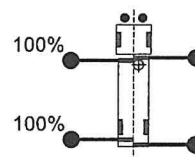
A: 3.100kg
B: 4.300kg
C: 7.200kg



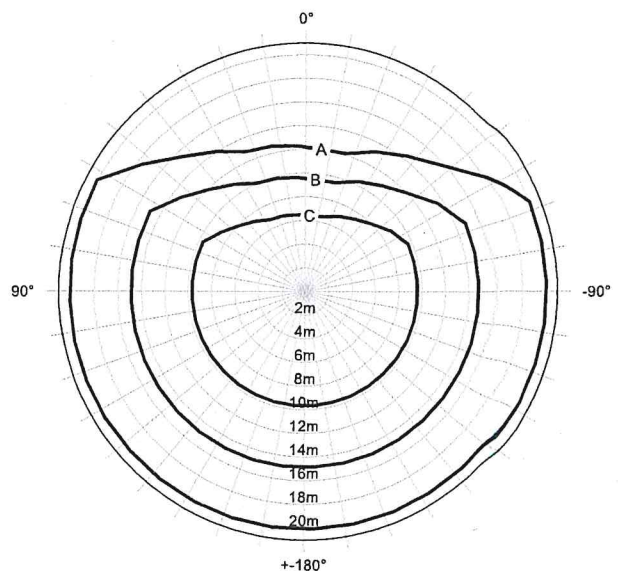
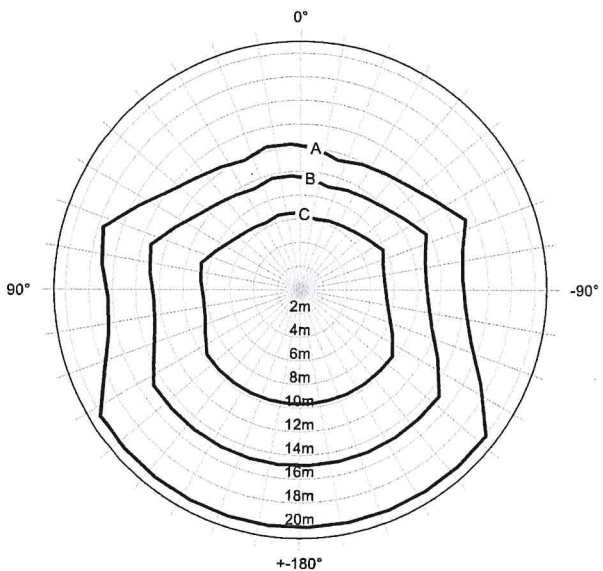
A: 3.100kg
B: 4.300kg
C: 7.200kg



A: 3.100kg
B: 4.300kg
C: 7.200kg



A: 3.100kg
B: 4.300kg
C: 7.200kg



Load values are according to PALTRONIC parameters provided by the installer

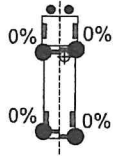
Adjustment Date: 4.9.2018

Version:
PCH 2.2.1.20092

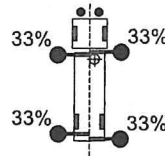
Installer ID: NLRN TR16594E051/638166917663

-Stabilizer not active
-Stabilizer active
- %.....Outrigger stroke

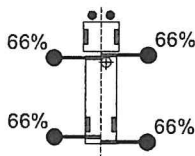
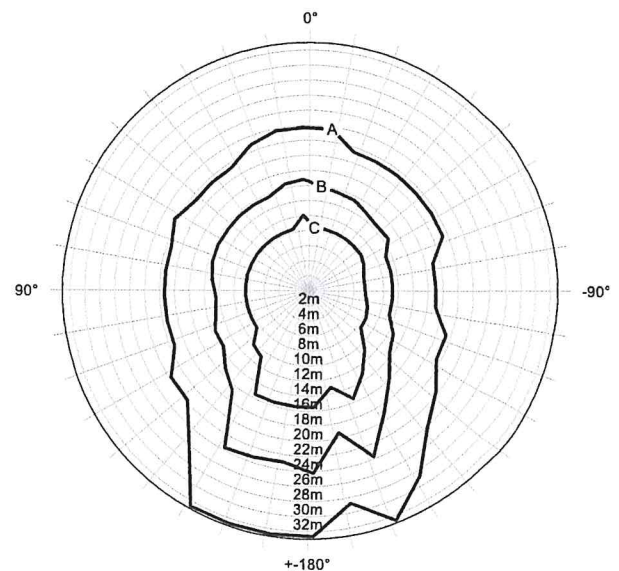
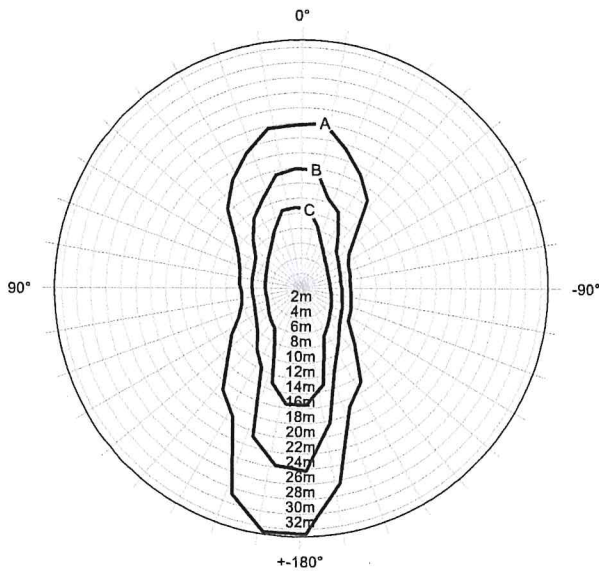
Max. occuring stabilizer force Fmax 299kN



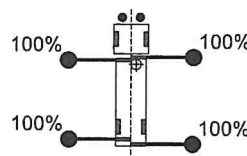
A: 680kg
B: 1.480kg
C: 3.050kg



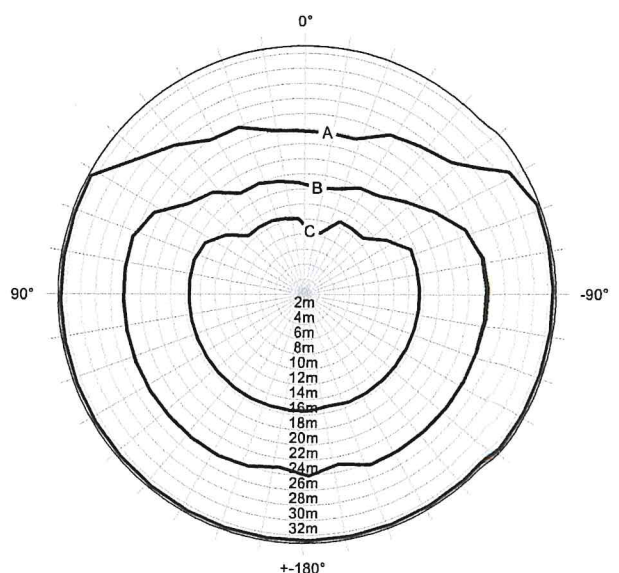
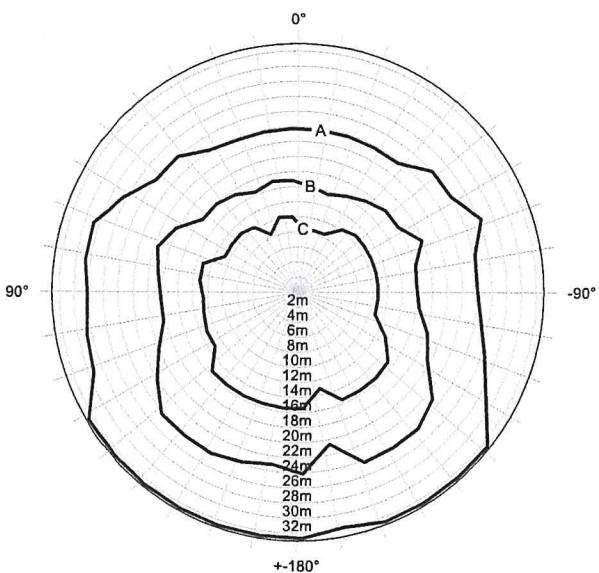
A: 680kg
B: 1.480kg
C: 3.050kg



A: 680kg
B: 1.480kg
C: 3.050kg



A: 680kg
B: 1.480kg
C: 3.050kg



PALFINGER

PK 92002-SH G

LIFTING CAPACITY DIAGRAM

Stabilizer situation
Fully supported incl. LCA03

100428895 / S511-SKD

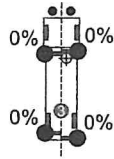
VolvoFM

HPSC

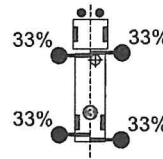
-Stabilizer not active
-Stabilizer active
- %.....Outrigger stroke

● LCA03: 3.000kg

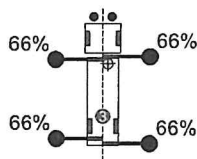
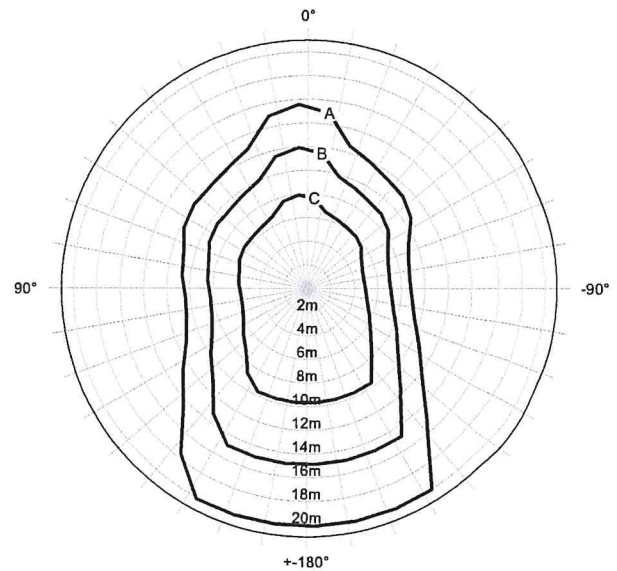
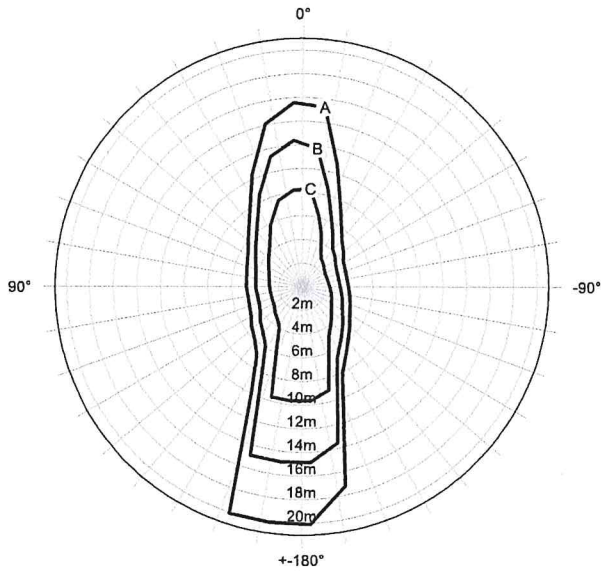
Max. occurring stabilizer force F_{max} 299kN



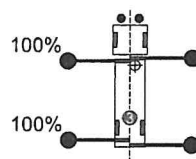
A: 3.100kg
B: 4.300kg
C: 7.200kg



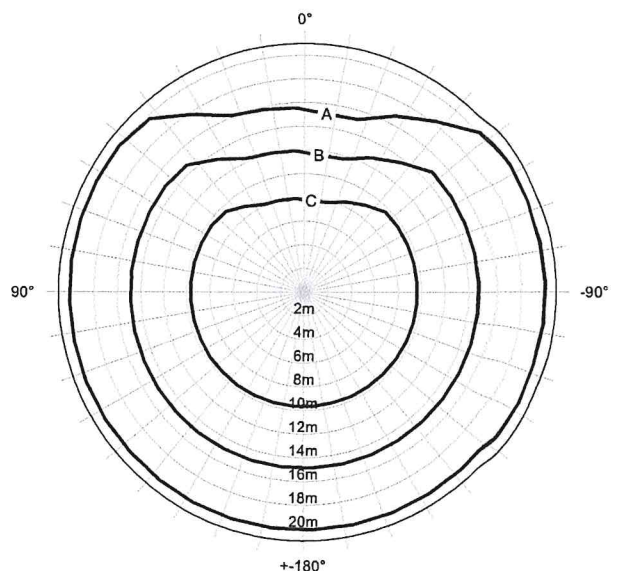
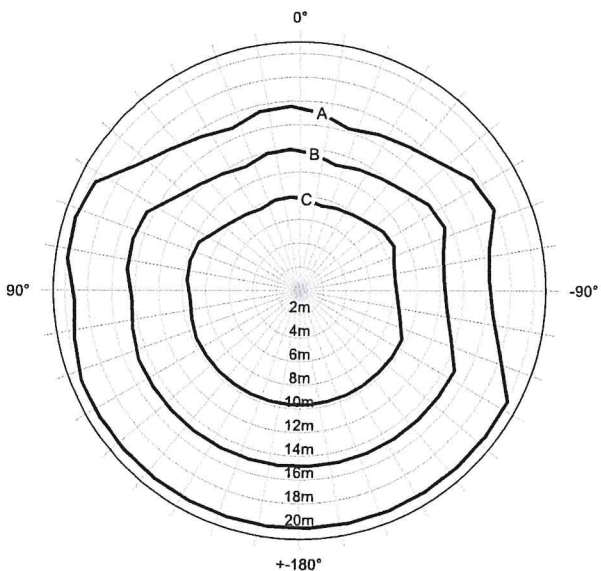
A: 3.100kg
B: 4.300kg
C: 7.200kg



A: 3.100kg
B: 4.300kg
C: 7.200kg



A: 3.100kg
B: 4.300kg
C: 7.200kg



Load values are according to PALTRONIC parameters provided by the installer

Adjustment Date: 4.9.2018

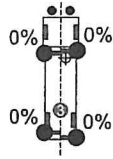
Version:
PCH 2.2.1.20092

Installer ID: NLRN TR16594E051/638166917663

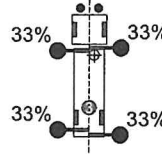
-Stabilizer not active
-Stabilizer active
- %.....Outrigger stroke

● LCA03: 3.000kg

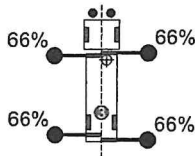
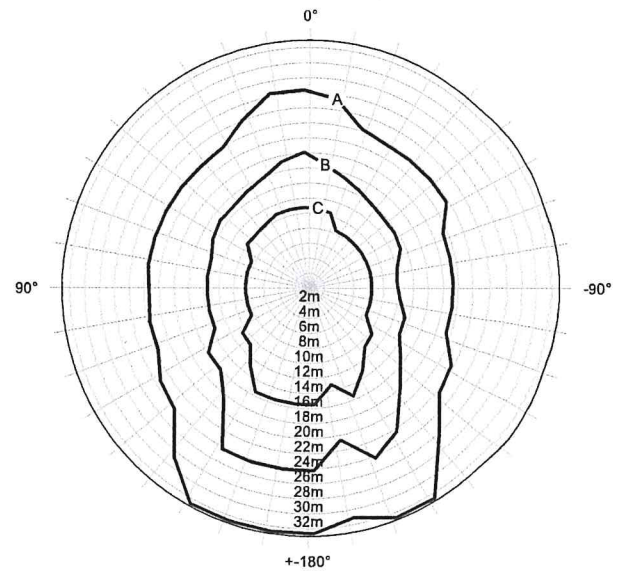
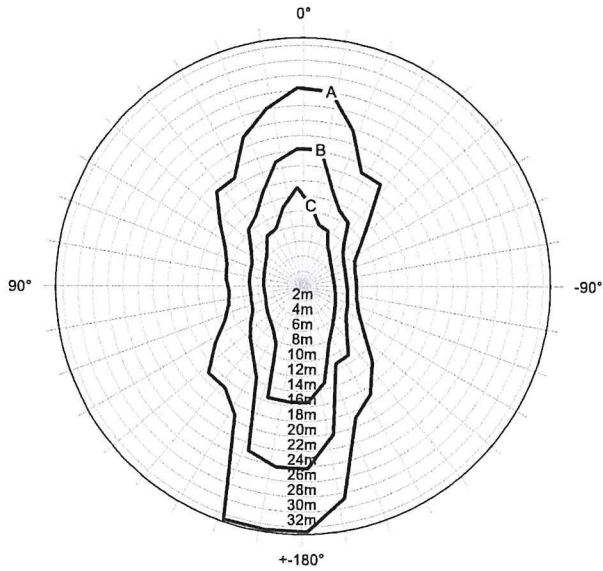
Max. occurring stabilizer force F_{max} 299kN



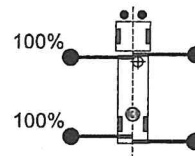
A: 680kg
B: 1.480kg
C: 3.050kg



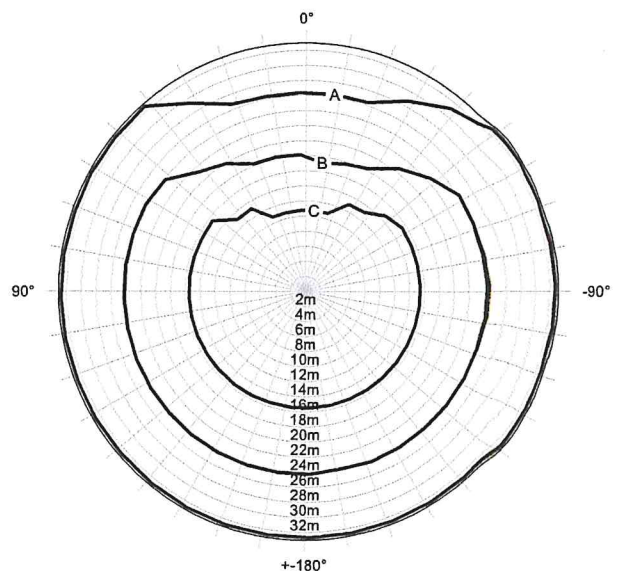
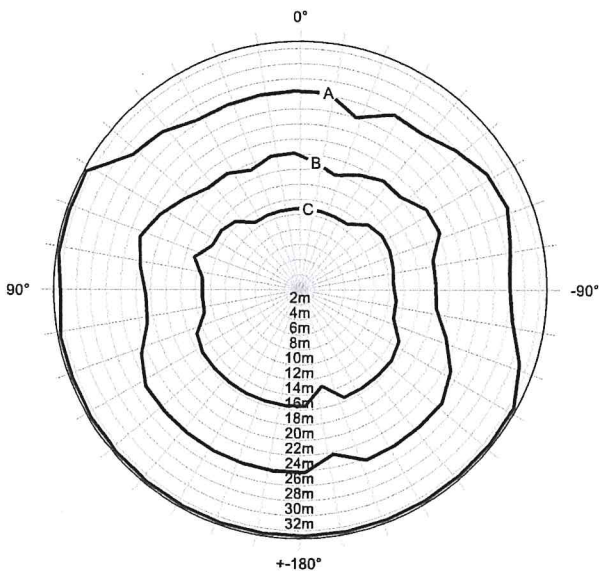
A: 680kg
B: 1.480kg
C: 3.050kg



A: 680kg
B: 1.480kg
C: 3.050kg



A: 680kg
B: 1.480kg
C: 3.050kg



PALFINGER

PK 92002-SH G

LIFTING CAPACITY DIAGRAM

Stabilizer situation
Fully supported incl. LCA05

100428895 / S511-SKD

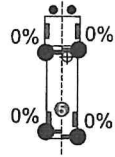
Volvo|FM

HPSC

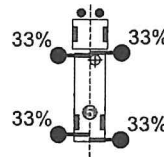
-Stabilizer not active
-Stabilizer active
- %.....Outrigger stroke

⊙ LCA05: 5.000kg

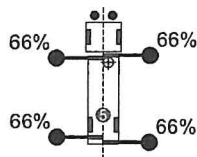
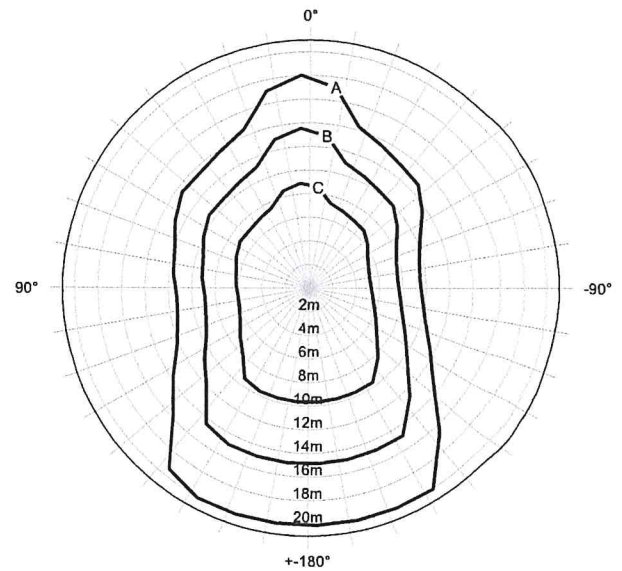
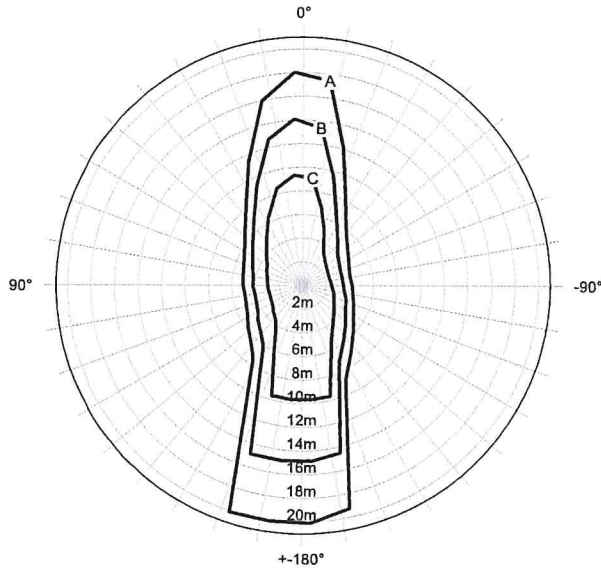
Max. occurring stabilizer force F_{max} 299kN



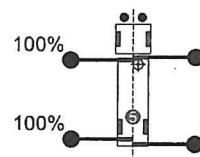
A: 3.100kg
B: 4.300kg
C: 7.200kg



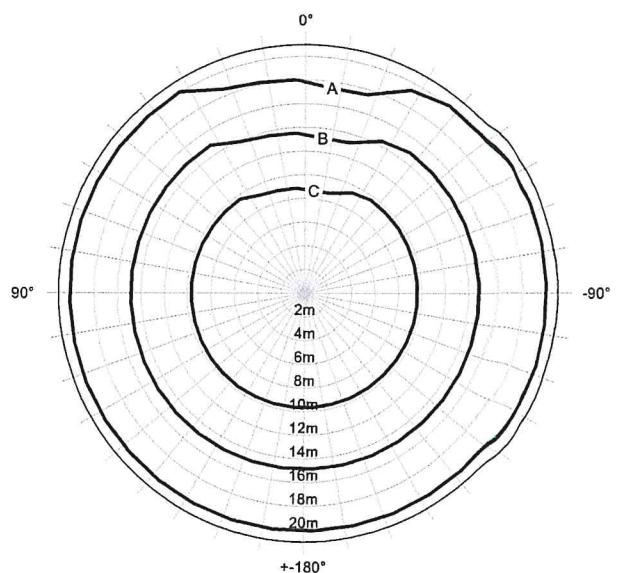
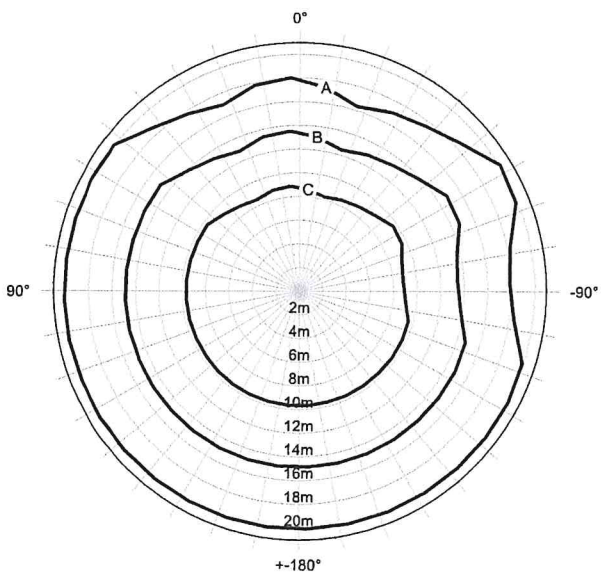
A: 3.100kg
B: 4.300kg
C: 7.200kg



A: 3.100kg
B: 4.300kg
C: 7.200kg



A: 3.100kg
B: 4.300kg
C: 7.200kg



Load values are according to PALTRONIC parameters provided by the installer

Adjustment Date: 4.9.2018

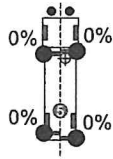
Version:
PCH 2.2.1.20092

Installer ID: NLRN TR16594E051/638166917663

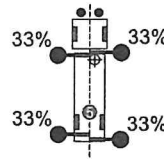
○Stabilizer not active
●Stabilizer active
%.....Outrigger stroke

⊕ LCA05: 5.000kg

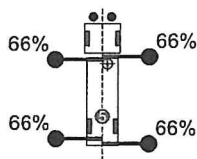
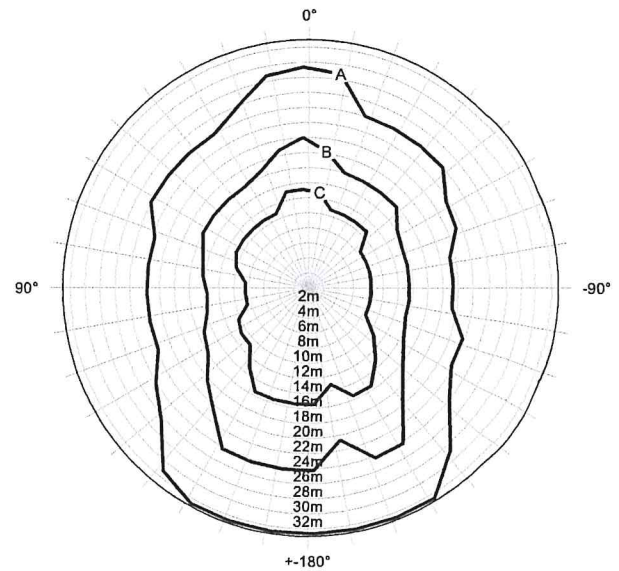
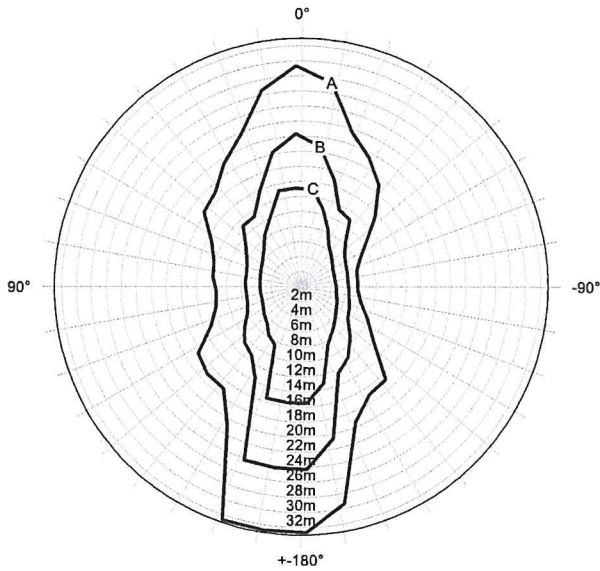
Max. occurring stabilizer force F_{max} 299kN



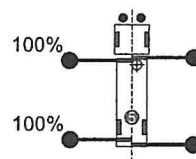
A: 680kg
B: 1.480kg
C: 3.050kg



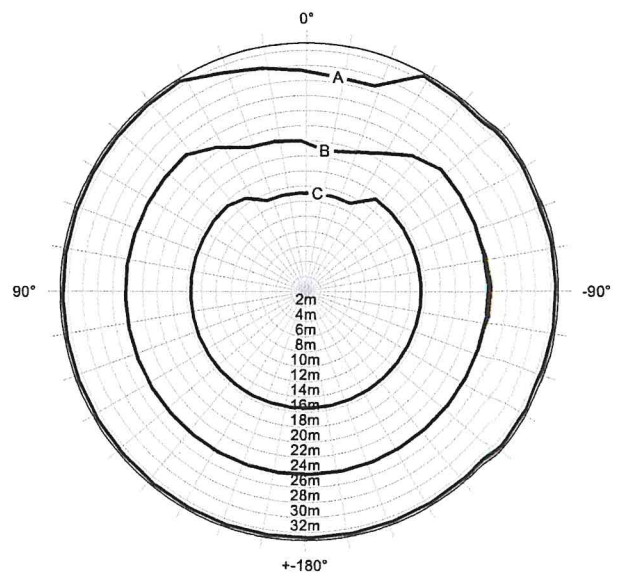
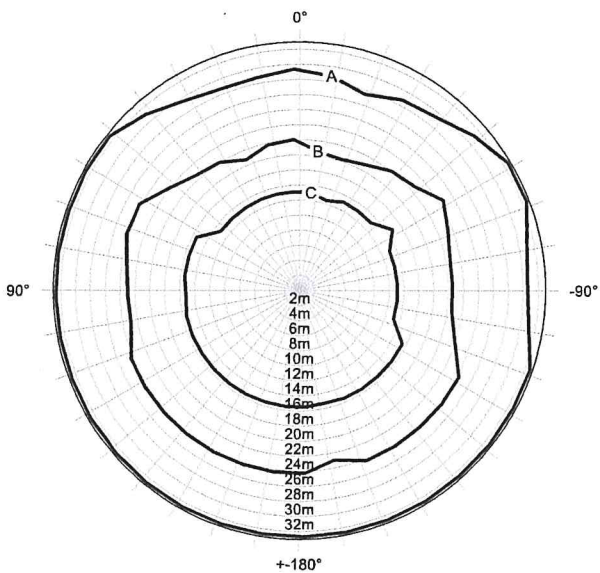
A: 680kg
B: 1.480kg
C: 3.050kg



A: 680kg
B: 1.480kg
C: 3.050kg



A: 680kg
B: 1.480kg
C: 3.050kg



PALFINGER

PK 92002-SH G

LIFTING CAPACITY DIAGRAM

Stabilizer situation
Fully supported incl. LCA03 & 05

100428895 / S511-SKD

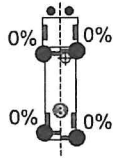
Volvo|FM

HPSC

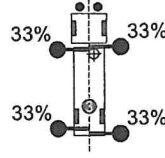
- Stabilizer not active
- Stabilizer active
- % Outrigger stroke

⊙ LCA03: 3.000kg; ⊙ LCA05: 5.000kg

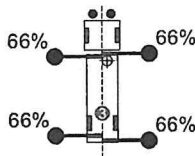
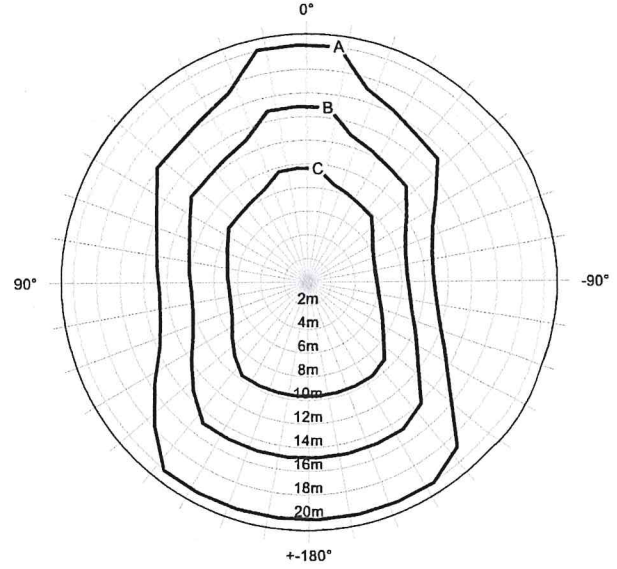
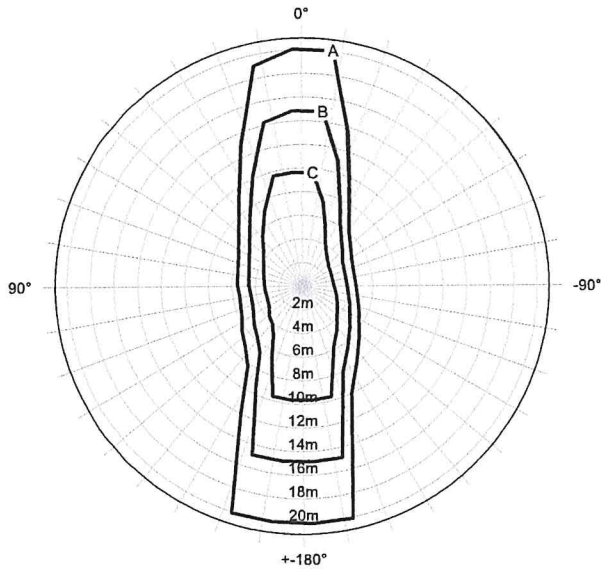
Max. occurring stabilizer force Fmax 299kN



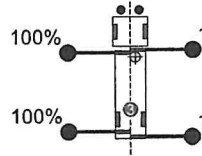
A: 3.100kg
B: 4.300kg
C: 7.200kg



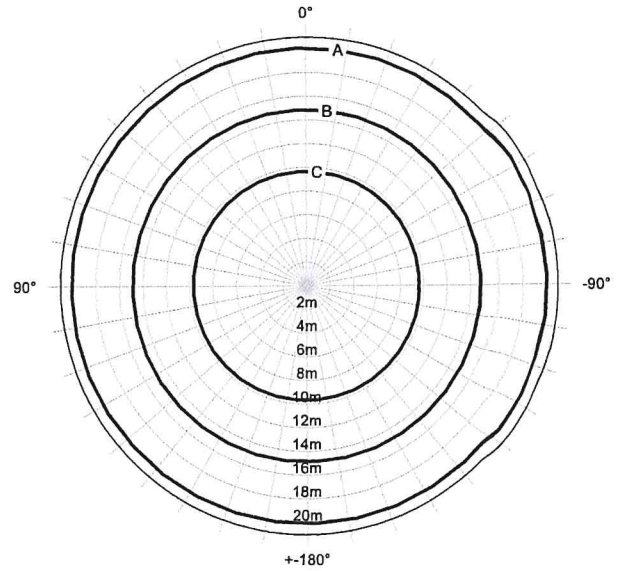
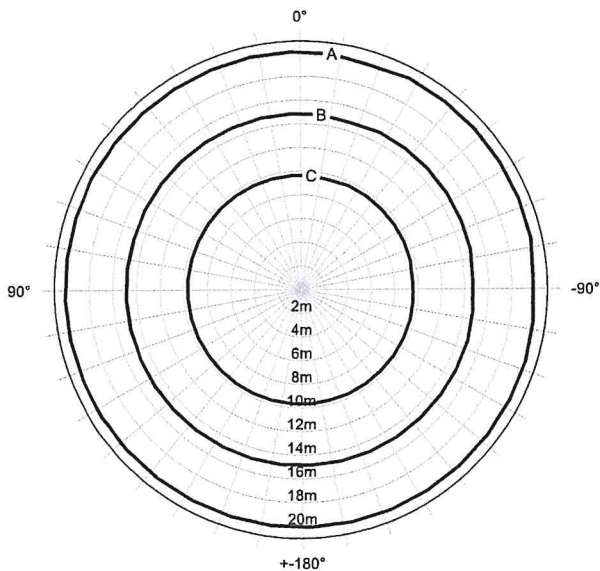
A: 3.100kg
B: 4.300kg
C: 7.200kg



A: 3.100kg
B: 4.300kg
C: 7.200kg



A: 3.100kg
B: 4.300kg
C: 7.200kg



Load values are according to PALTRONIC parameters provided by the installer

Adjustment Date: 4.9.2018

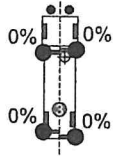
Version:
PCH 2.2.1.20092

Installer ID: NLRN TR16594E051/638166917663

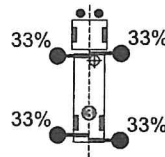
○Stabilizer not active
 ●Stabilizer active
 %.....Outrigger stroke

⊙ LCA03: 3.000kg; ⊙ LCA05: 5.000kg

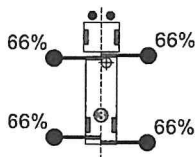
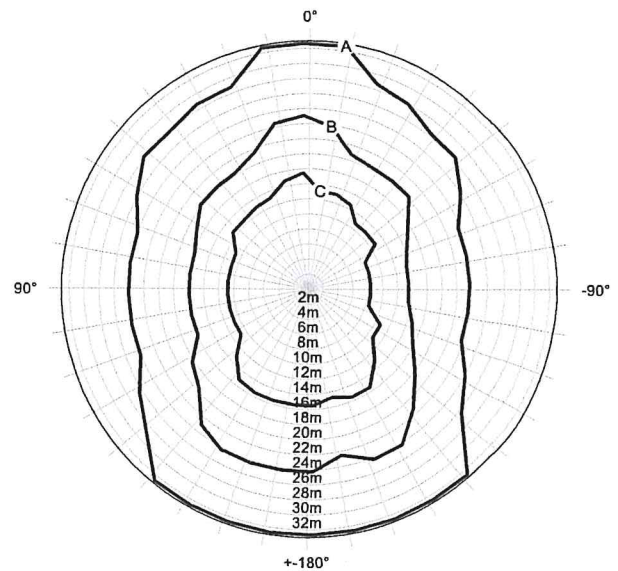
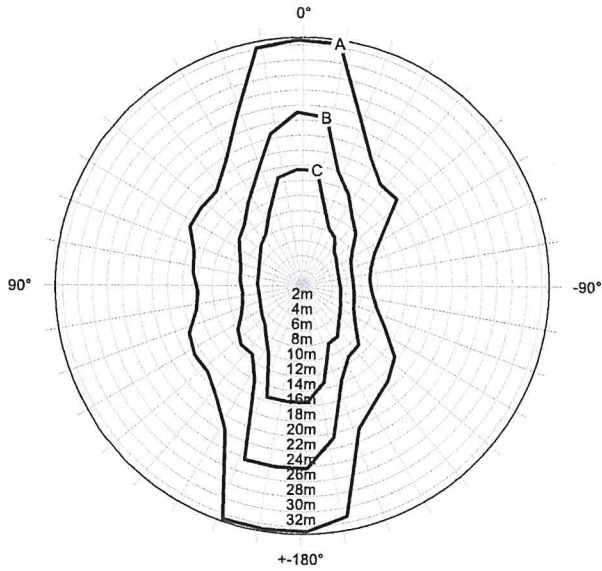
Max. occurring stabilizer force Fmax 299kN



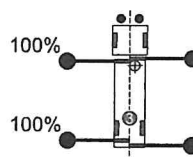
A: 680kg
 B: 1.480kg
 C: 3.050kg



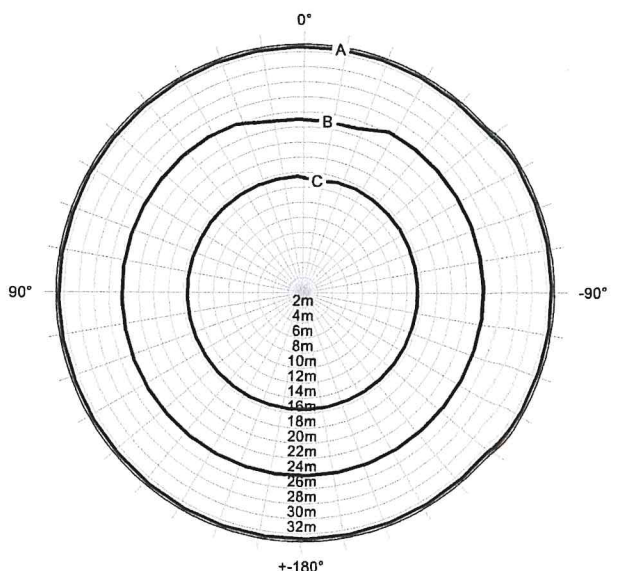
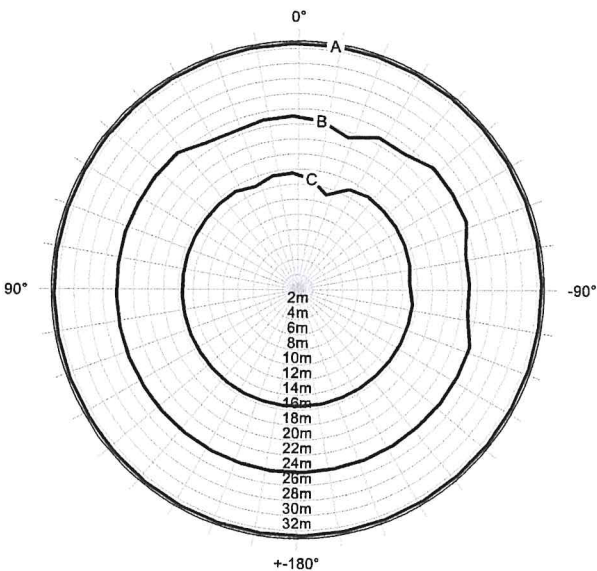
A: 680kg
 B: 1.480kg
 C: 3.050kg

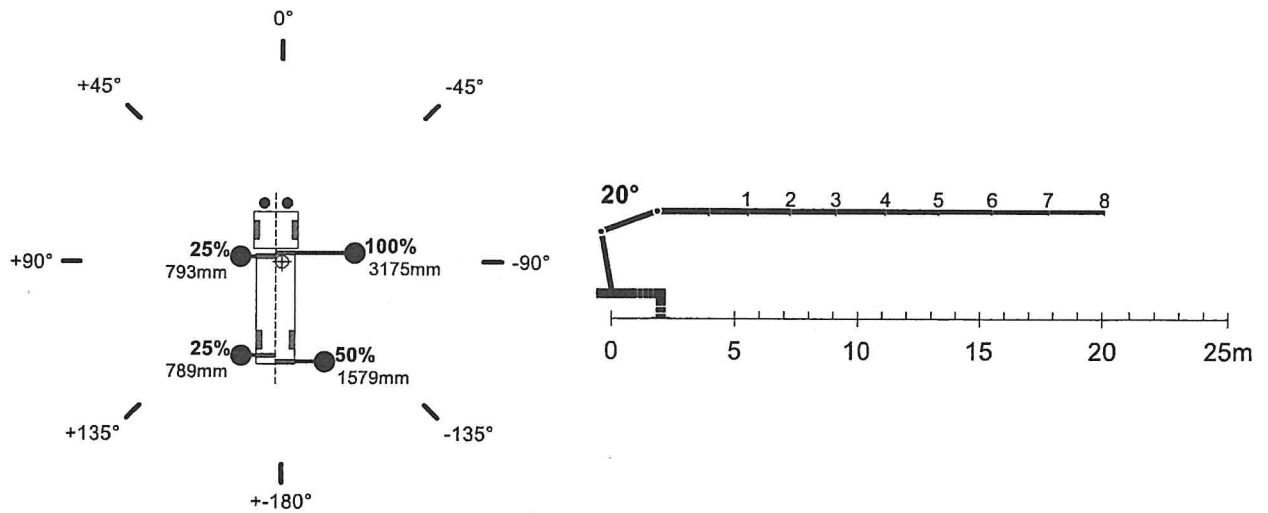


A: 680kg
 B: 1.480kg
 C: 3.050kg



A: 680kg
 B: 1.480kg
 C: 3.050kg





mm = cylinder stroke

	0 (4.4m)	1 (6.0m)	2 (7.7m)	3 (9.5m)	4 (11.4m)	5 (13.5m)	6 (15.6m)	7 (17.9m)	8 (20.1m)
0°	11.400kg	8.000kg	5.800kg	4.400kg	3.450kg	2.750kg	2.250kg	1.920kg	1.700kg
+45°	8.400kg	5.700kg	4.000kg	2.900kg	2.200kg	1.660kg	1.340kg	1.120kg	970kg
+90°	7.300kg	4.850kg	3.350kg	2.400kg	1.760kg	1.320kg	1.020kg	840kg	730kg
+135°	10.900kg	7.600kg	5.500kg	4.150kg	3.250kg	2.550kg	2.100kg	1.800kg	1.580kg
+180°	17.400kg	12.500kg	9.400kg	7.300kg	5.900kg	4.800kg	4.050kg	3.500kg	3.100kg
-135°	17.400kg	12.500kg	9.400kg	7.300kg	5.900kg	4.800kg	4.050kg	3.500kg	3.100kg
-90°	17.300kg	12.400kg	9.300kg	7.300kg	5.800kg	4.750kg	4.050kg	3.500kg	3.100kg
-45°	13.400kg	9.500kg	7.000kg	5.400kg	4.250kg	3.450kg	2.850kg	2.450kg	2.150kg

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: 4.9.2018

Version:
PCH 2.2.1.20092

Installer ID: NLRN TR16594E051/638166917663

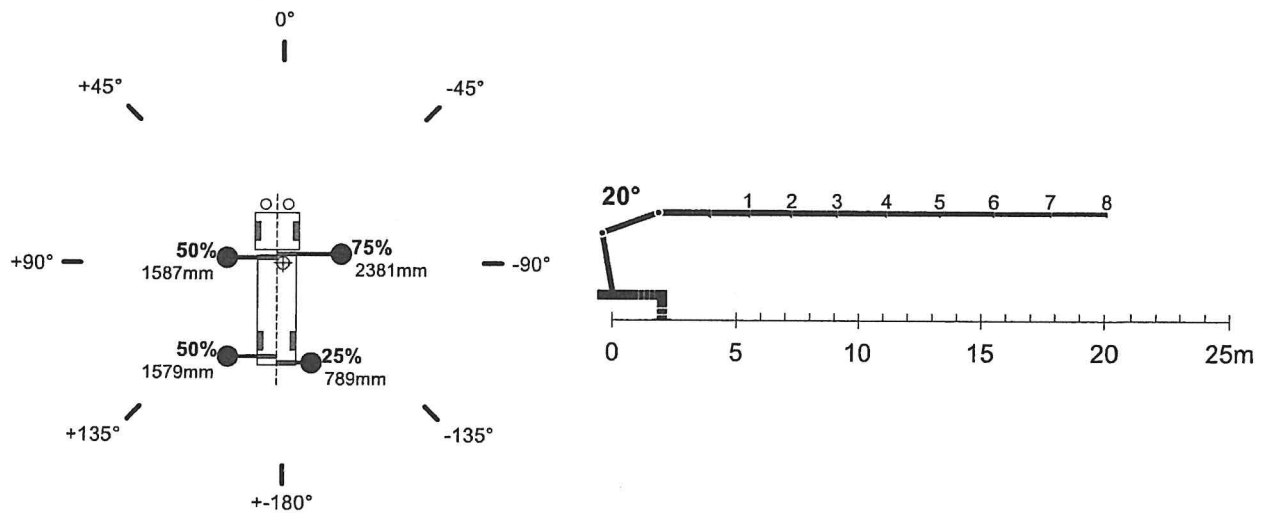
PALFINGER**PK 92002-SH G****LIFTING CAPACITY SAMPLES**

for periodic inspections

Partly supported without switchable ballast

100428895 / S511-SKD

Volvo|FM

HPSC

mm = cylinder stroke

	0 (4,4m)	1 (6,0m)	2 (7,7m)	3 (9,5m)	4 (11,4m)	5 (13,5m)	6 (15,6m)	7 (17,9m)	8 (20,1m)
0°									
+45°									
+90°	11.600kg	8.100kg	5.900kg	4.450kg	3.500kg	2.800kg	2.300kg	1.960kg	1.740kg
+135°	17.100kg	12.200kg	9.200kg	7.200kg	5.700kg	4.700kg	3.950kg	3.400kg	3.050kg
+180°	17.400kg	12.500kg	9.400kg	7.300kg	5.900kg	4.800kg	4.050kg	3.500kg	3.100kg
-135°	13.900kg	9.800kg	7.300kg	5.600kg	4.400kg	3.600kg	3.000kg	2.600kg	2.300kg
-90°	12.600kg	8.900kg	6.500kg	5.000kg	3.900kg	3.150kg	2.650kg	2.250kg	2.000kg
-45°	2.850kg	1.480kg	690kg	210kg					

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: 4.9.2018

Version:
PCH 2.2.1.20092

Installer ID: NLRN TR16594E051/638166917663

PALFINGER

PK 92002-SH G + PJ 125 E

LIFTING CAPACITY DIAGRAM

Stabilizer situation

Fully supported, Fall Protection Mode (FPM)

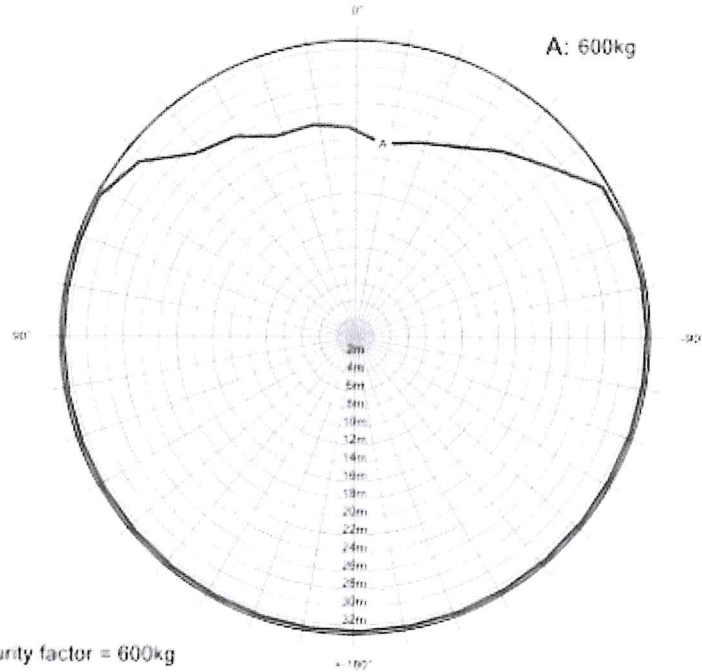
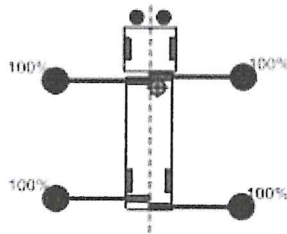
100428895 / S511-SKD

Volvo/FM

HPSC

- Stabilizer not active
- Stabilizer active
- % Outrigger stroke

Max. occurring stabilizer force Fmax 299kN



Weight person incl. norm security factor = 600kg

Calculation result without switchable ballast.

The possible working geometry is shown on the lifting diagram of the crane.

A possible slewing limitation is shown in the diagram above.

Load values are according to PALTRONIC parameters provided by the installer

Adjustment Date: 5.9.2018

Version: PK12 2.1.2012

Installer ID: NLRN TR16594E051/638166917663