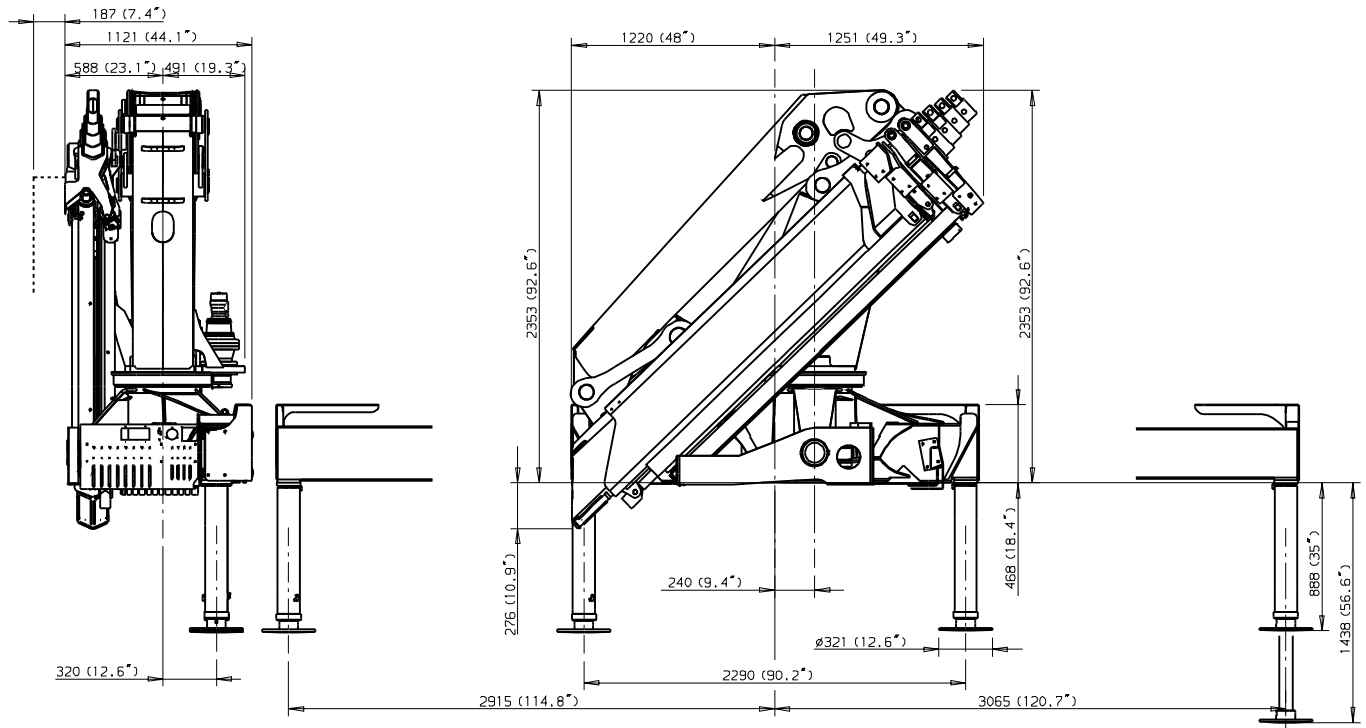


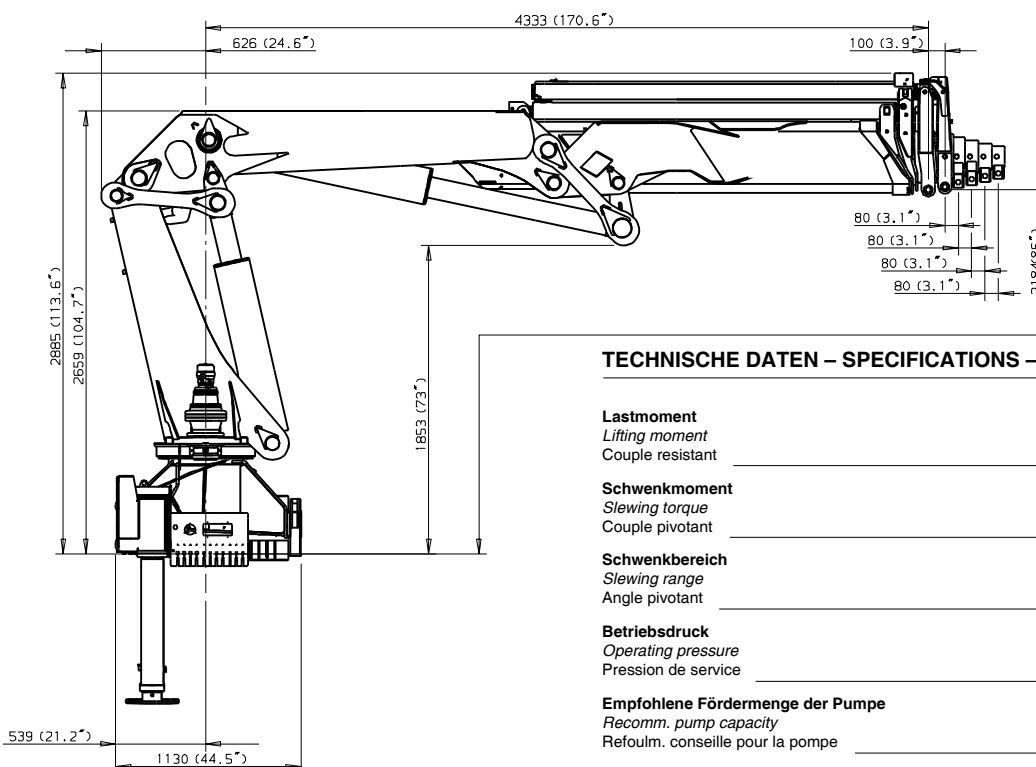
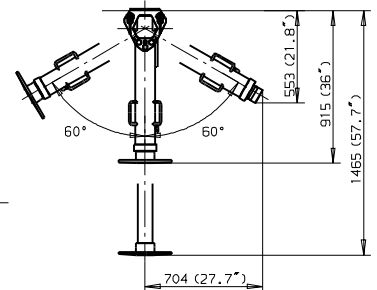


STÜTZTELLER STABILIZER PLATES PLATEAU DE SUPPORT

HXE 255
Standard



SCHWENKSTÜTZE SLEWABLE STABILIZER SUPPORT PIVOTANT



TECHNISCHE DATEN – SPECIFICATIONS – DONNEES TECHNIQUES

Lastmoment

Lifting moment
Couple resistant 320,8 kNm (32,7 mt; 236520 ft.lbs)

Schwenkmoment

Slewing torque
Couple pivotant 39,3 kNm (4,0 mt; 28930 ft.lbs)

Schwenkbereich

Slewing range
Angle pivotant endlos
endless
sans finite

Betriebsdruck

Operating pressure
Pression de service 30 MPa (300 bar; 4350 psi)

Empfohlene Fördermenge der Pumpe

Recomm. pump capacity
Refoulm. conseille pour la pompe 50 l/min (11 imp.gallons/min.)

Eigengewicht Standardkran

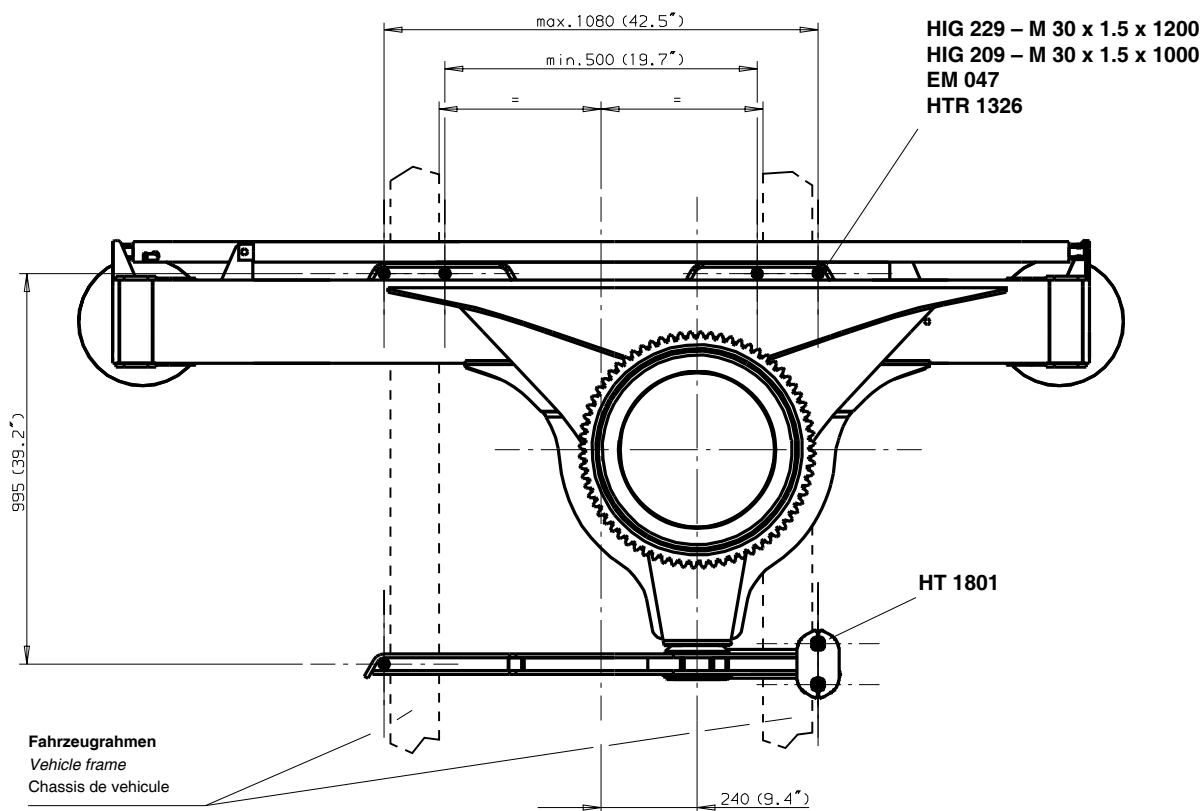
Dead weight – standard crane
Poids mort – grue standard 36,9 kN (3765 kg; 8302 lbs)

Konstruktionsänderungen vorbehalten, fertigungstechn. Toleranzen müssen berücksichtigt werden.
Subject to change, production tolerances have to be taken into account.
Les tolerances relatives a la technique de production doivent etre prises en cons consideration.

ANORDNUNG DER BRIDENSCHRAUBEN – LOCATION OF MOUNTING BOLTS – ARRANGEMENT DE BRIDES**MONTAGE AUF FAHRZEUG****MOUNTING ON VEHICLE****MONTAGE A VEHICULE****Montage mit 7 Bridenschrauben**

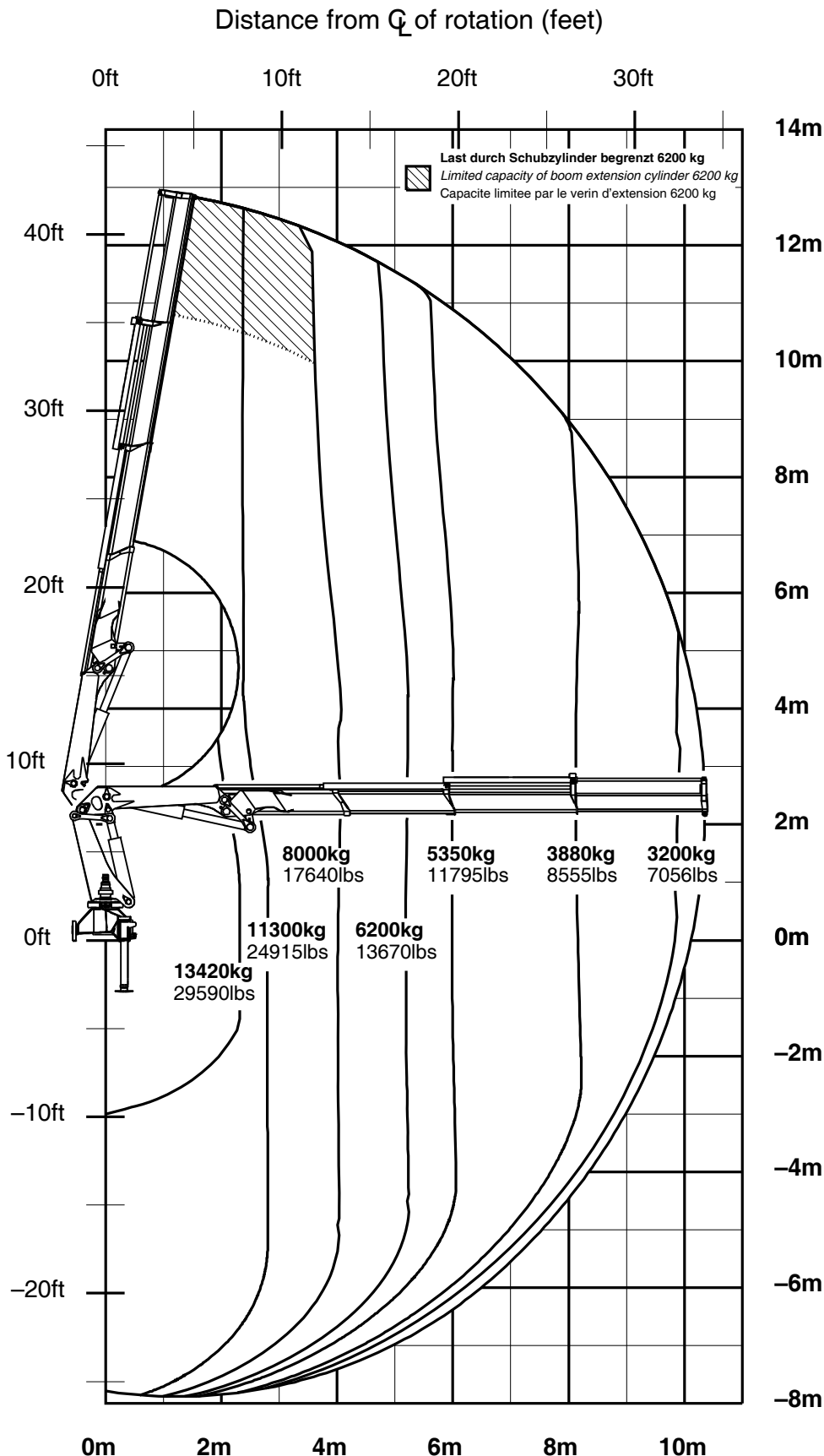
Mounting with 7 bolts

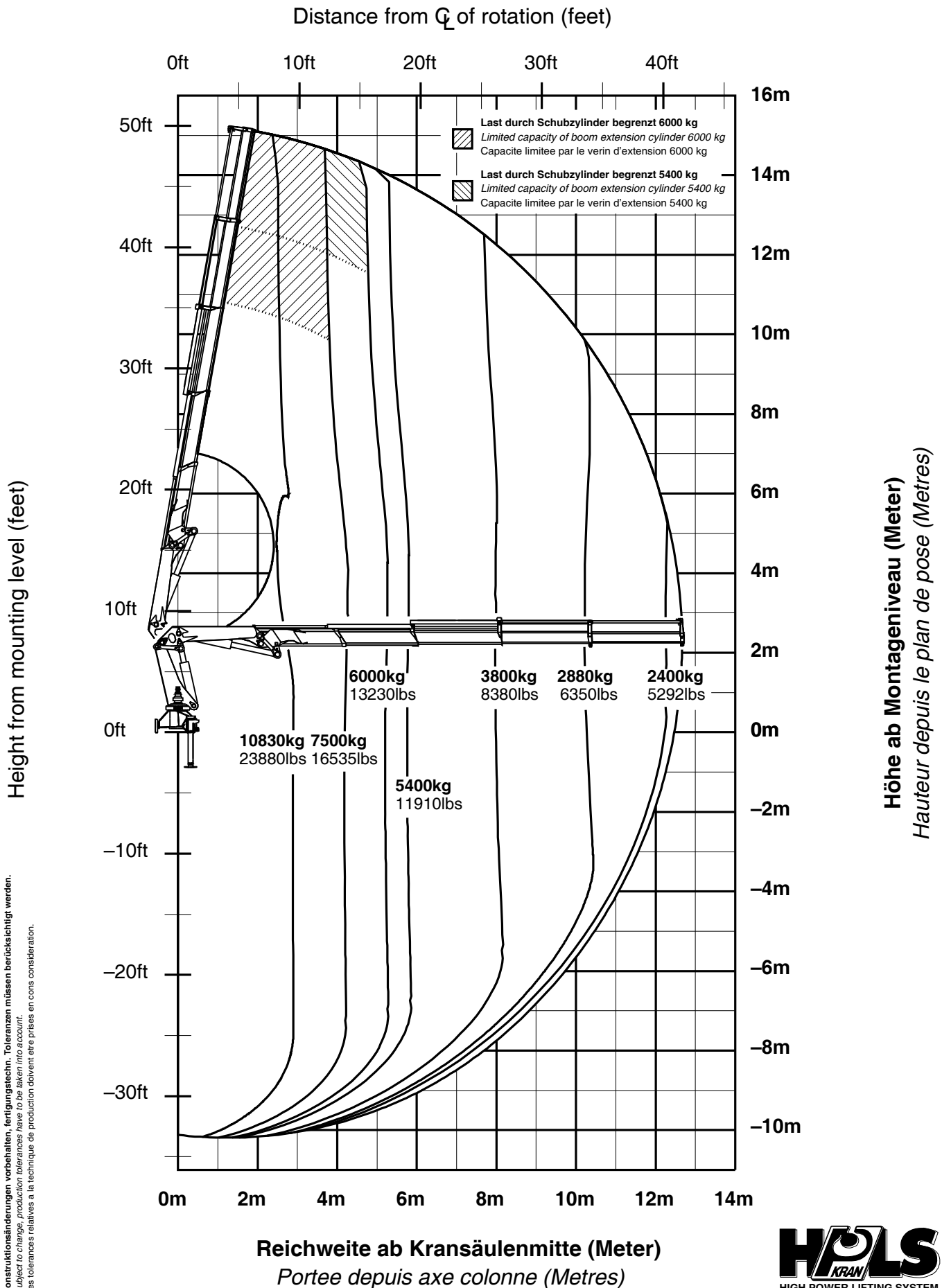
Montage avec 7 brides

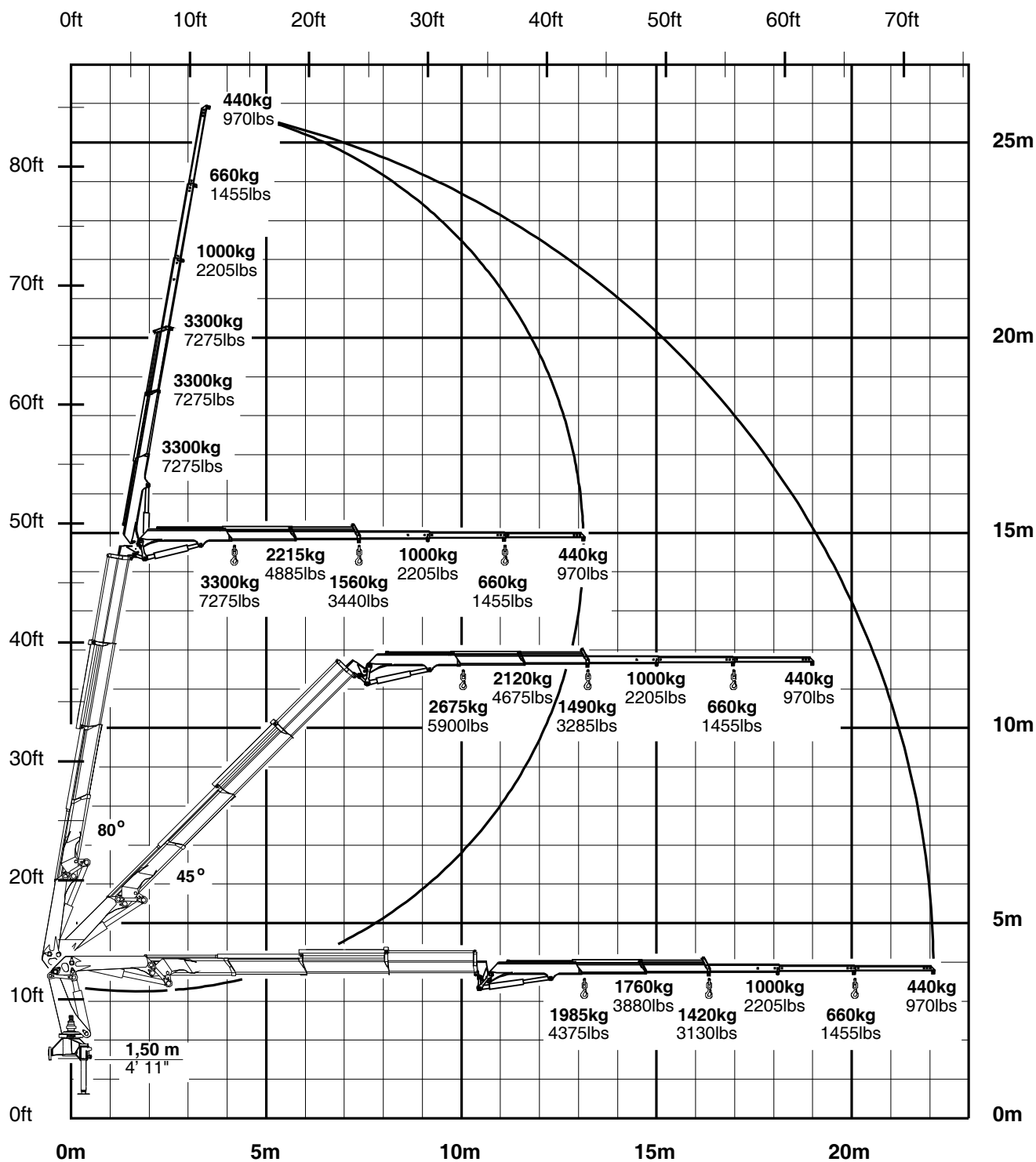


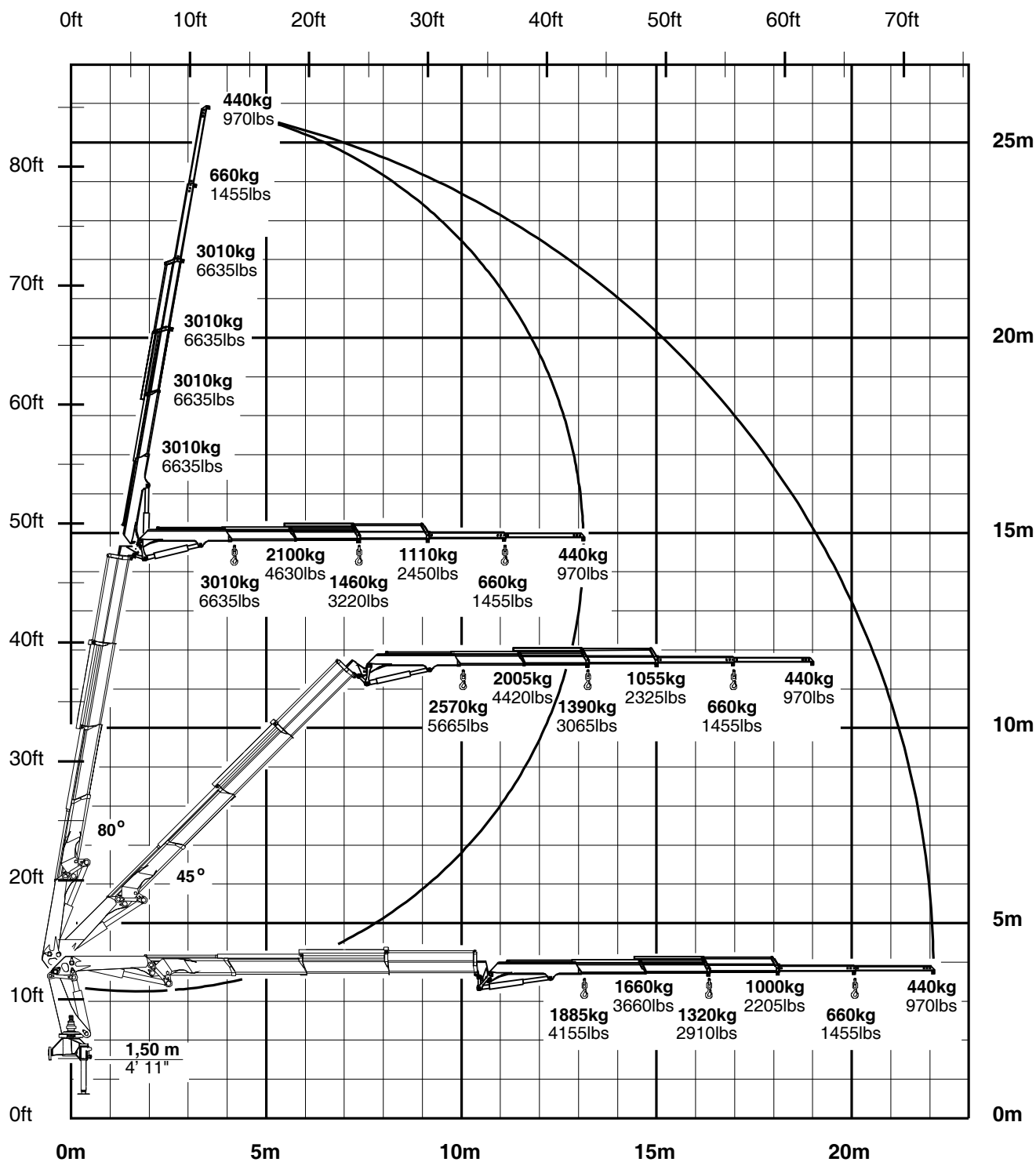
Height from mounting level (feet)

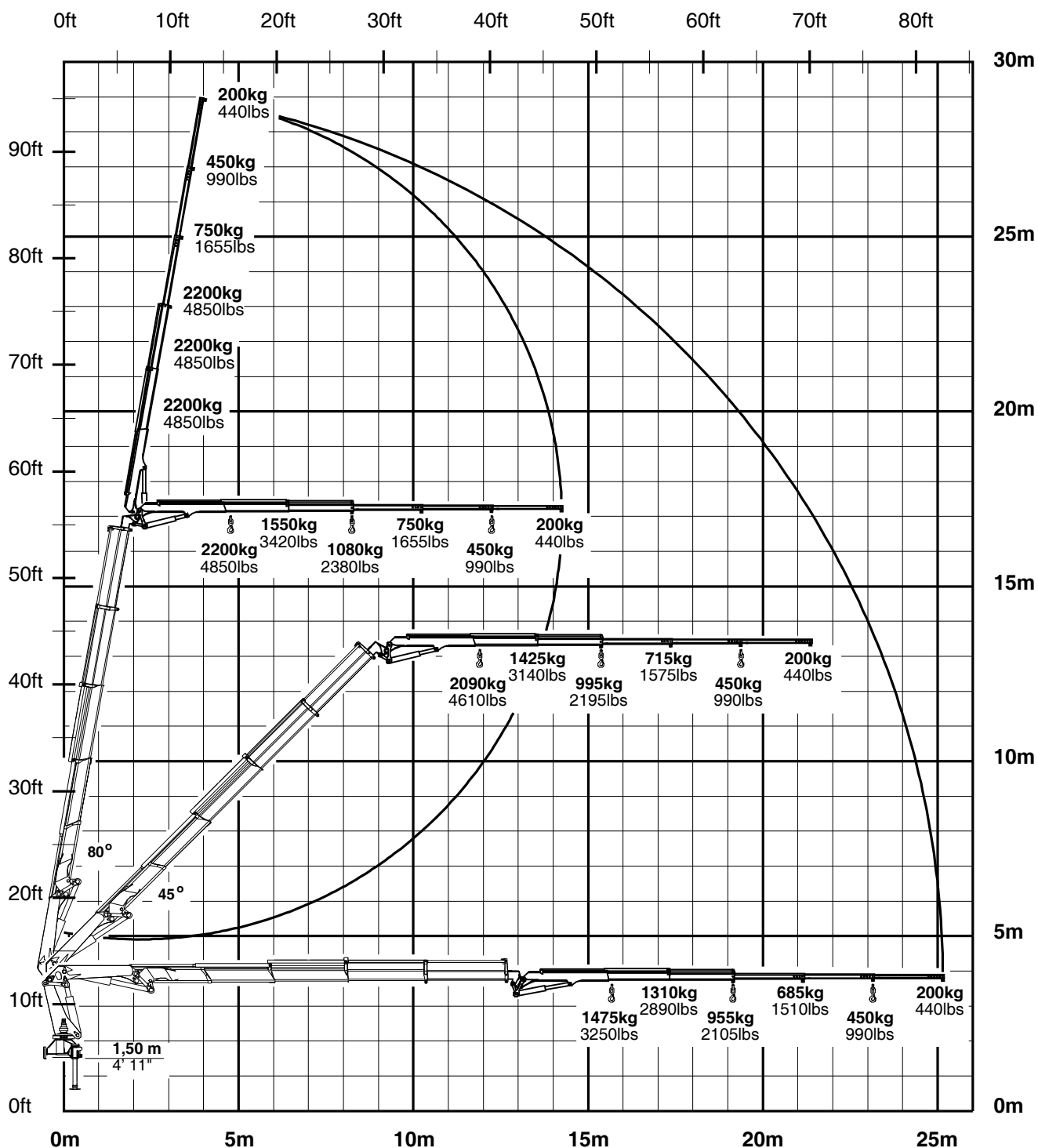
Höhe ab Montageniveau (Meter)
Hauteur depuis le plan de pose (Metres)

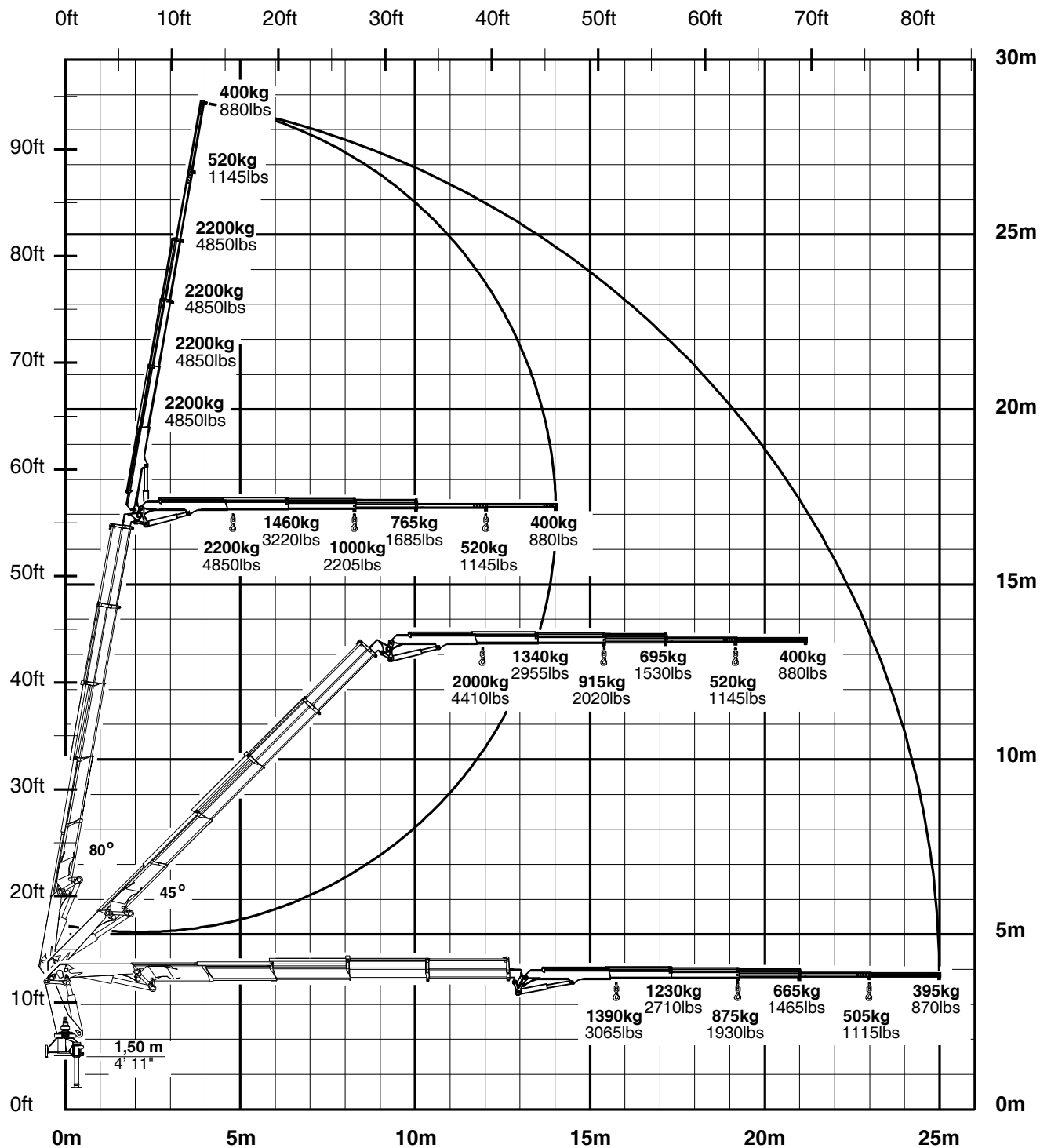




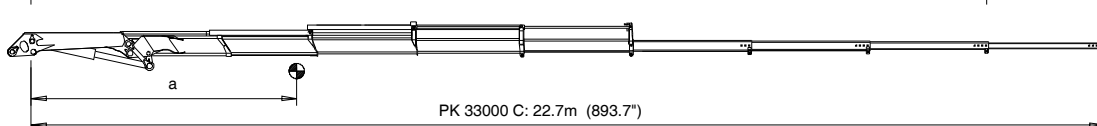
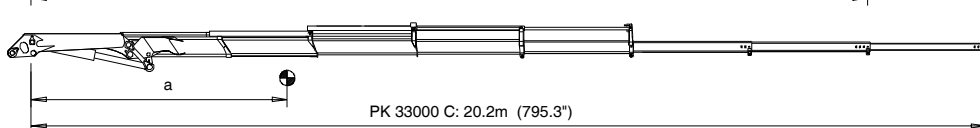
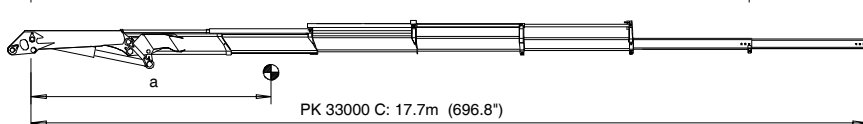
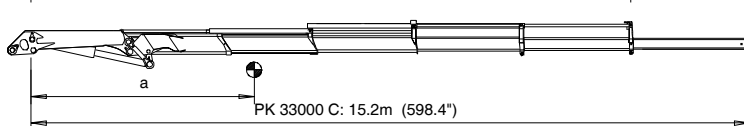
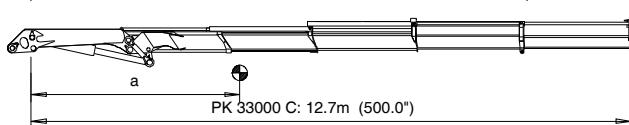
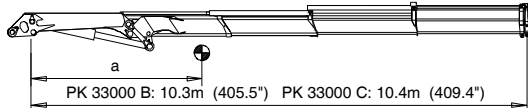
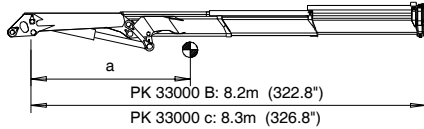
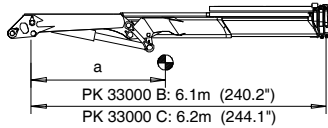
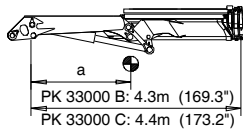
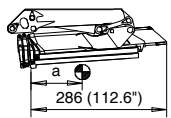








Schwerpunkte und Gewichte der Lastarme Centers of gravity and weights of boom systems Centre de gravite et poids de bras de charge

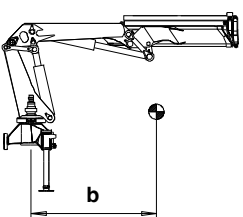


GL kN kp a	PK 33000 B		PK 33000 C			
	Std.	Std.	V15.2	V17.7	V20.2	V22.7
	18.98 1935	21.13 2154	21.96 2239	22.67 2311	23.16 2361	23.55 2401
	108 (42.5")	109 (42.9")	109 (42.9")	109 (42.9")	109 (42.9")	109 (42.9")
	211 (83.0")	220 (86.6")	223 (87.7")	226 (88.9")	228 (89.7")	230 (90.5")
	283 (111.4")	304 (119.6")	310 (122.0")	316 (124.4")	320 (125.9")	323 (127.1")
	335 (131.8")	371 (146.0")	383 (150.7")	393 (154.7")	400 (157.4")	405 (159.4")
	360 (141.7")	415 (163.3")	434 (170.8")	449 (176.7")	459 (180.7")	467 (183.8")
		435 (171.2")	461 (181.4")	482 (189.7")	496 (195.2")	507 (199.6")
			470 (185.0")	498 (196.0")	517 (203.5")	532 (209.4")
				506 (199.2")	529 (208.2")	548 (215.7")
					535 (210.6")	557 (219.2")
						561 (220.8")

Gesamtschwerpunkt und Gesamtgewicht des Kranes Total center of gravity and total weight of crane Centre de gravite total et poids de la grue total

GG: PK 33000 = 17,9 kN (1830 kg)

$$b = \frac{GL \times a}{GL + GG} = \frac{18,98 \text{ kN} \times 211 \text{ cm}}{18,98 \text{ kN} + 17,9 \text{ kN}} = 109 \text{ cm}$$



Beispiel: Type PK 33000 B
Reichweite 4,3 m
b = ?

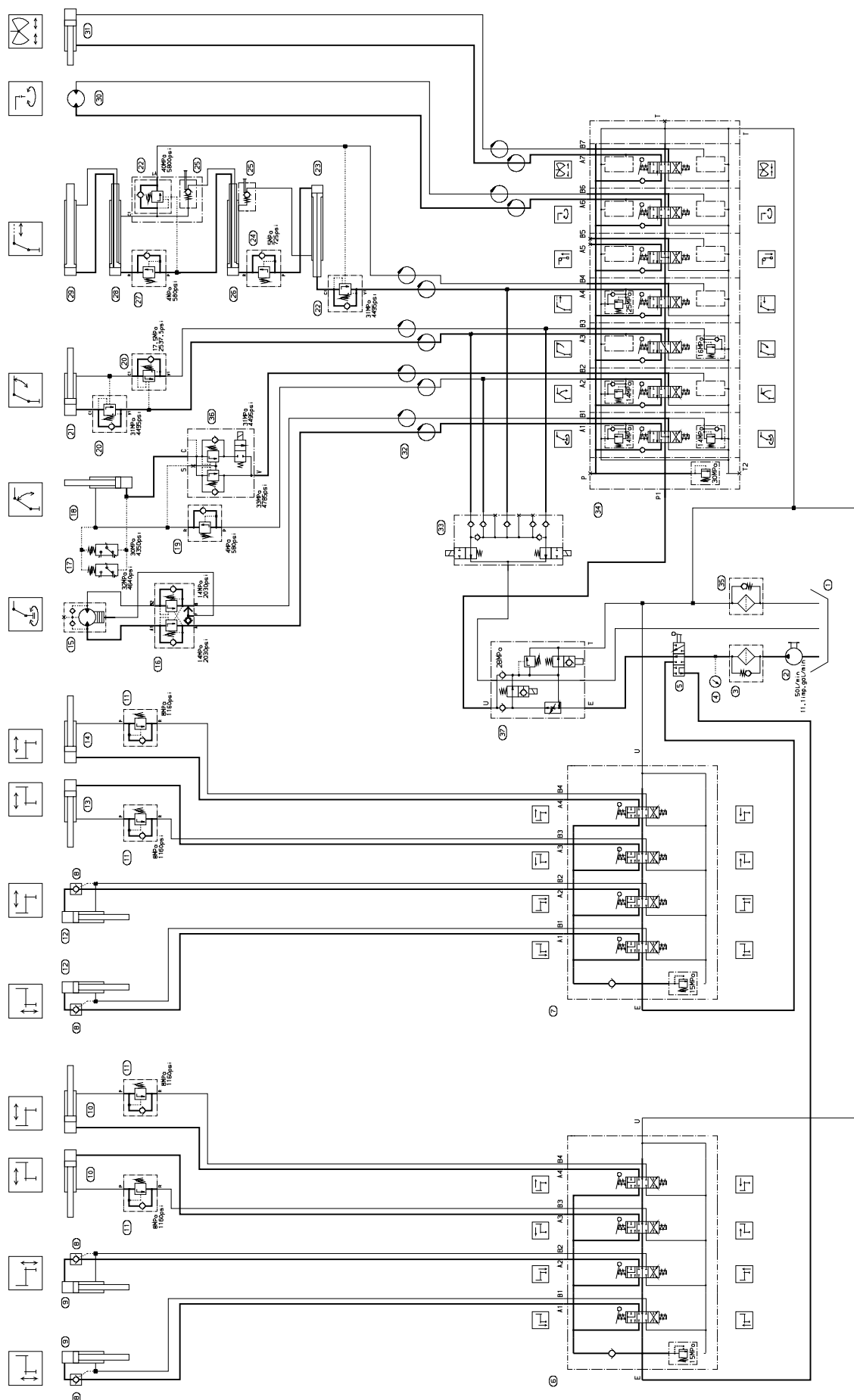
Example: Model PK 33000 B
Outreach 4,3 m
b = ?

Example: Type PK 33000 B
Portee 4,3 m
b = ?

a = Schwerpunktabstand der Lastarme von der Kransäulenmitte (cm)
b = Abstand des Gesamtschwerpunktes von der Kransäulenmitte (cm)
GL = Gewicht der Lastarme (kN)
GG = Gewicht von Abstützung, Grundgestell, Kransäule und Hubzylinder (ohne Befestigungsteile und Pumpe)

a = Distance of center of gravity of boom system from column center (cm)
b = Distance of total center of gravity from center of mast of derrick (cm)
GL = Weight of leverage of load (kN)
GG = Weight of base, column and lifting cylinder (without mounting parts and pump)

a = Distance entre le centre de gravite de bras de charge et le centre du poteau torillon de grue (cm)
b = Distance entre le centre de gravite total et le centre du poteau torillon de grue (cm)
GL = Poids de bras de charge (kN)
GG = Poids du support, du chassis de base, du poteau torillon de grue et du cylindre de levage (sans elements de fixation et pompe)



1 MPa = 10 bar = 145 psi

- | | | | |
|-----------|--|-----------|---|
| 1 | Tank
<i>oil tank</i>
reservoir | 20 | Lasthalteventil
<i>load holding valve</i>
clapets anti retour pilotes |
| 2 | Ölpumpe
<i>oil pump</i>
pompe a huile | 21 | Knickzylinder
<i>outer boom ram</i>
verin deuxieme bras |
| 3 | Hochdruckfilter
<i>high pressure filter</i>
filtre haute pression | 22 | Lasthalteventil
<i>load holding valve</i>
clapets anti retour pilotes |
| 4 | Prüfverschraubung
<i>dial gauge connection</i>
porte montre compar. | 23 | Schubzylinder I
<i>boom extension ram I</i>
verin d'extension I |
| 5 | 4/3 Wegeventil
<i>4/3 directional control valve</i>
4/3 distributeur de command | 24 | Vorspannventil
<i>pre tension valve</i>
soupape pre tension |
| 6 | Steuerschieber – Zusatzabst.
<i>control valve – add. stabil.</i>
distributeur de commande – stabil. suppl. | 25 | Folgesteuerungsventil
<i>sequence valve</i>
soupape a suivre |
| 7 | Steuerschieber – Abstützung
<i>control valve – stabilizer</i>
distributeur de commande – stabil. | 26 | Schubzylinder II
<i>boom extension ram II</i>
verin d'extension II |
| 8 | Entsperrb. Rückschlagventil
<i>pilot controlled check valve</i>
clapet anti retour pilote | 27 | Vorspannventil
<i>pre tension valve</i>
soupape pre tension |
| 9 | Abstützzylinder – Zusatzabst.
<i>stabilizer ram – add. stabil.</i>
stabilisateur – stabil. suppl. | 28 | Schubzylinder III
<i>boom extension ram III</i>
verin d'extension III |
| 10 | Ausfahrzylinder – Zusatzabst.
<i>stabilizer extension ram – add. stabil.</i>
verin d'extension – stabil. – stab. suppl. | 29 | Schubzylinder IV
<i>boom extension ram IV</i>
verin d'extension IV |
| 11 | Vorspannventil
<i>pre tension valve</i>
soupape pre tension | 30 | Rotator
<i>rotator</i>
rotateur |
| 12 | Abstützzylinder – Kran
<i>stabilizer ram – crane</i>
stabilisateur – grue | 31 | Greiferzylinder
<i>grab cylinder</i>
verin de grappin |
| 13 | Ausfahrzylinder – Kran
<i>stabilizer extension ram – crane</i>
verin d'extension – stabil. – grue | 32 | Drehverteiler
<i>rotary distributor</i>
raccord tournant |
| 14 | Ausfahrzylinder – Kran
<i>stabilizer extension ram – crane</i>
verin d'extension – stabil. – grue | 33 | Überlastblock
<i>overload block</i>
bloc de surcharge |
| 15 | Schwenkmotor
<i>slewing drive motor</i>
moteur de rotation | 34 | Steuerschieber – Kran
<i>control valve – crane</i>
distributeur de commande – grue |
| 16 | Doppeltes Lasthalteventil
<i>twin load holding valve</i>
double clapets anti retour pilotes | 35 | Rücklauffilter
<i>back flow filter</i>
filtre retour |
| 17 | Druckschalter
<i>pressure switch</i>
interrupteur a pression | 36 | HPLS – Ventil
<i>HPLS – valve</i>
HPLS – soupape |
| 18 | Hubzylinder
<i>main boom cylinder</i>
verin de bras principal | 37 | Mengenteiler
<i>flow divider</i>
diviseur de debit |
| 19 | Vorspannventil
<i>pre tension valve</i>
soupape pre tension | | |

