



PK75000JI

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PALFINGER

Technische Information
Technical information
Information technique

PK 75000 – Technische Daten
– Specifications
– Donnees techniques

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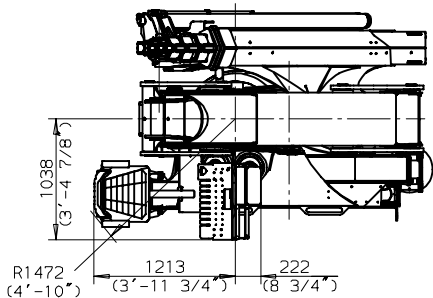
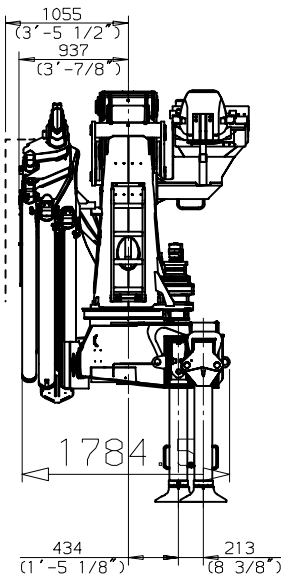
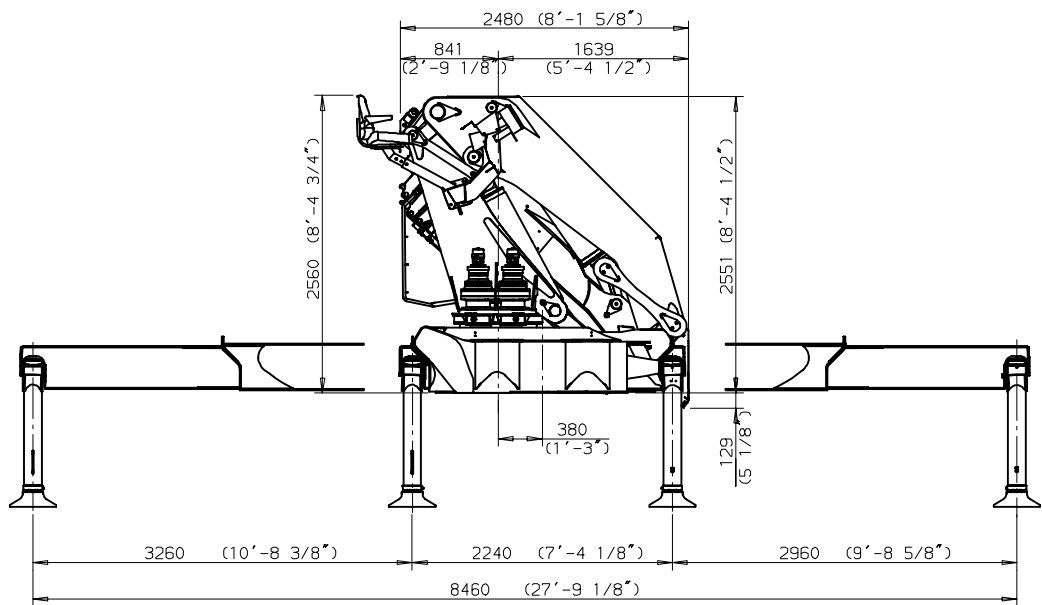
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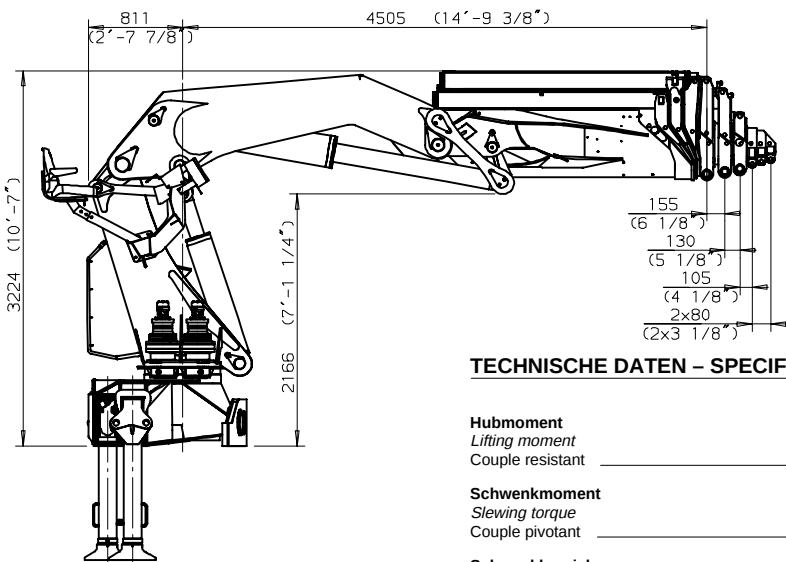
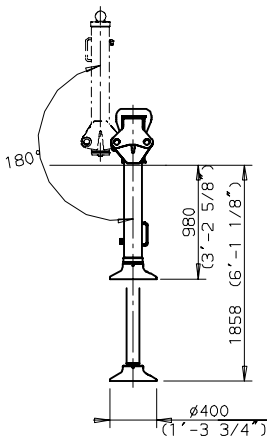
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Edition
Edition

3/04/93



SCHWENKSTÜTZE
SLEWABLE STABILIZER
SUPPORT PIVOTANT



TECHNISCHE DATEN – SPECIFICATIONS – DONNEES TECHNIQUES

Hubmoment Lifting moment Couple resistant	max. 735.8 kNm (75 mt, 542299 ft.lbs.)
Schwenkmoment Slewing torque Couple pivotant	78.5 kNm (8 mt, 57845 ft.lbs.)
Schwenkbereich Slewing range Angle pivotant	endlos endless sans finite
Betriebsdruck Operating pressure Pression de service	32 MPa (320 bar, 4640 psi)
Empfohlene Fördermenge der Pumpe Recomm. pump capacity Refoilm. conseill� pour la pompe	90–100 l/min. (19,8–22,0 gall/min.)
Eigengewicht (PK 75000 C) Dead weight (PK 7500 C) Poids mort (PK 75000 C)	74,6 kN (7600 kg, 16760 lbs.)

Konstruktions nderungen vorbehalten, fertigungstechn. Toleranzen m ssen ber cksichtigt werden.
Subject to change, production tolerances have to be taken into account.
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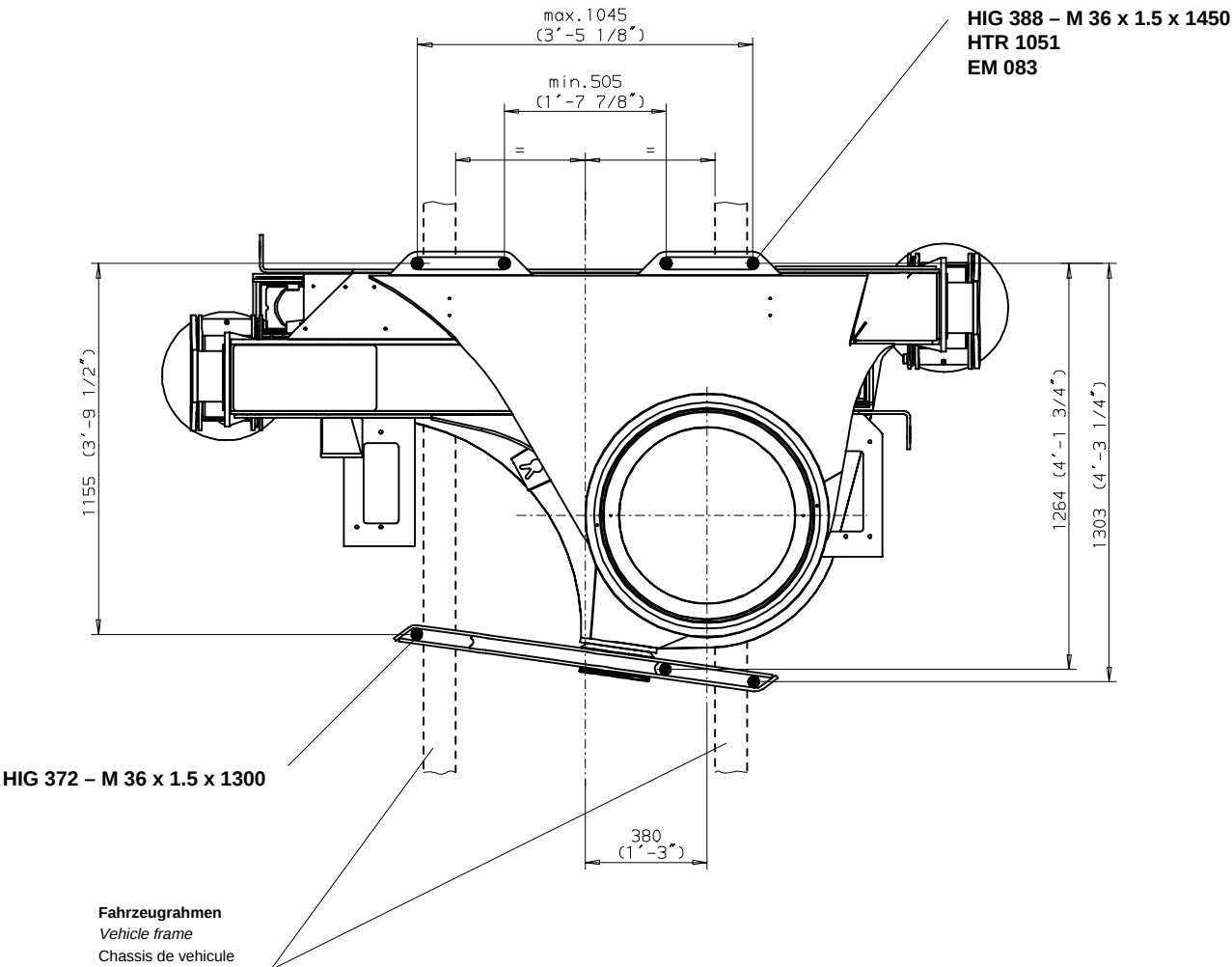
PK 75000 – Technische Daten
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ANORDNUNG DER BRIDENSCHRAUBEN – LOCATION OF MOUNTING BOLTS – ARRANGEMENT DE BRIDES

MONTAGE AUF FAHRZEUG
MOUNTING ON VEHICLE
MONTAGE A VEHICULE

Montage mit 7 Bridenschrauben
Mounting with 7 bolts
Montage avec 7 brides



Stationärmontage ist nicht zulässig.
Stationary mounting is not permissible.
Montage stationaire n'est pas admissible.



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PK 75000 E – Technische Daten
PJ 156 C – Specifications
SKS 3,2 – Donnees techniques

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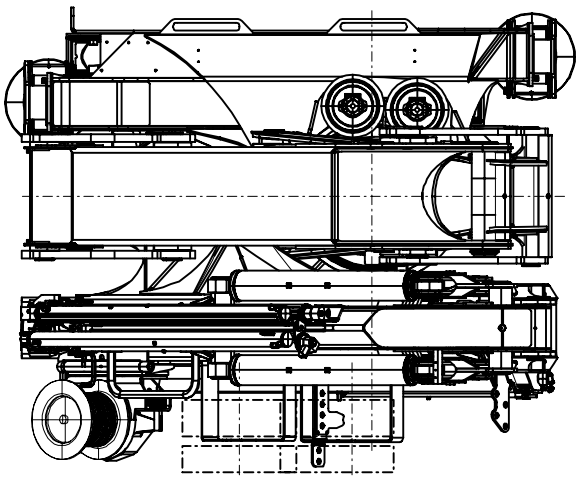
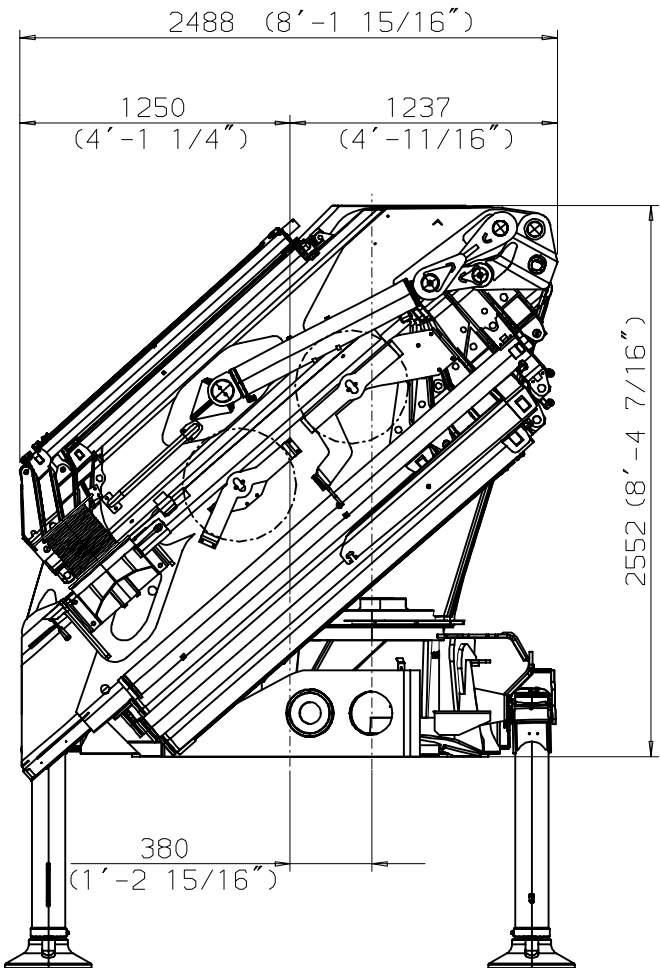
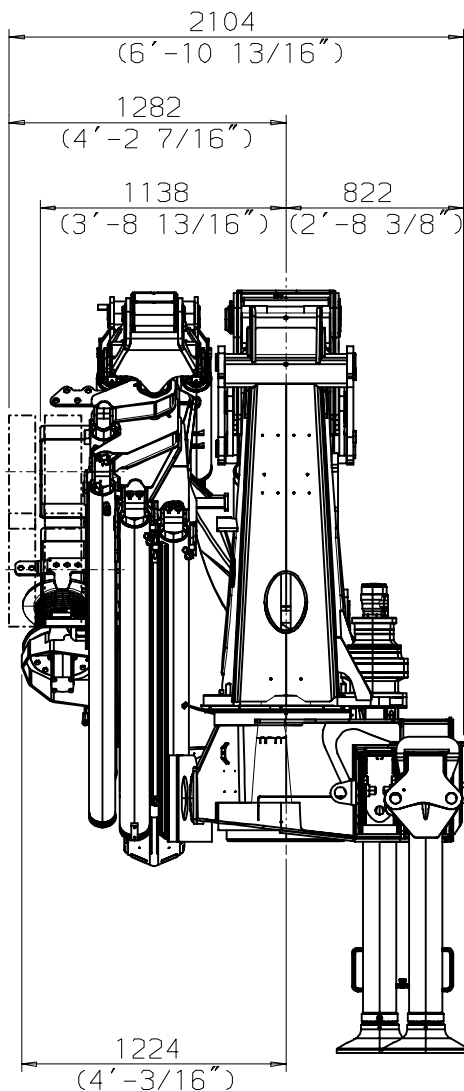
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Technische Information
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PK 75000 – Gewichte und Schwerpunkte
– Weights and centers of gravity
– Poids et centres de gravite

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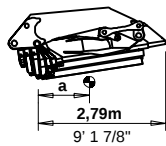
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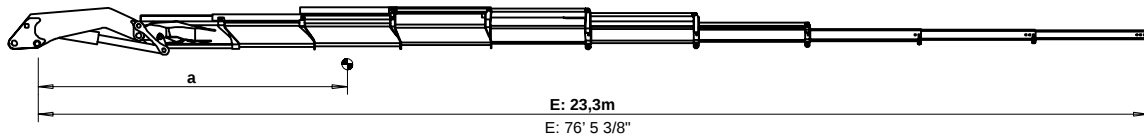
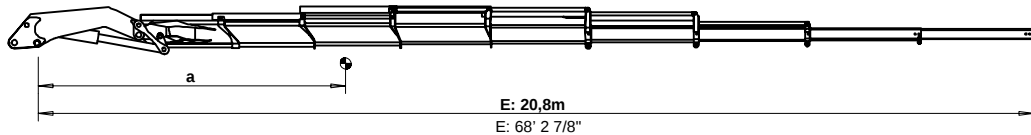
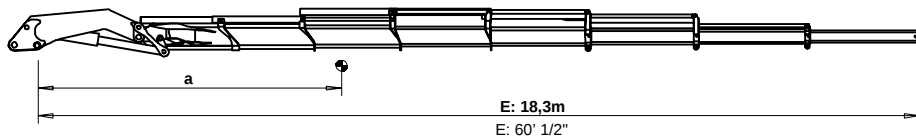
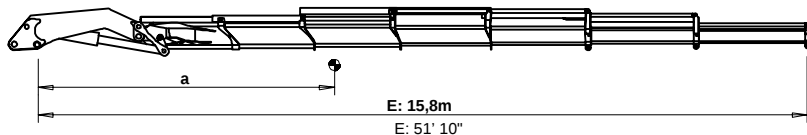
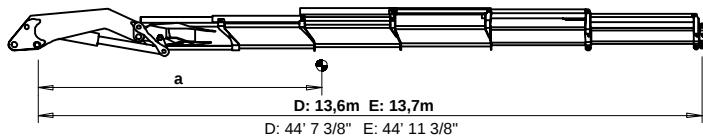
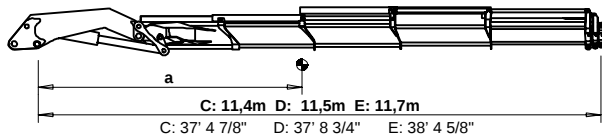
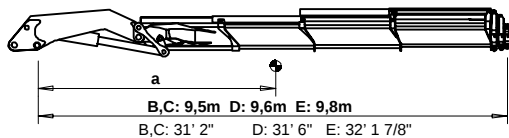
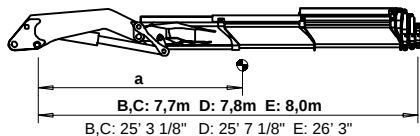
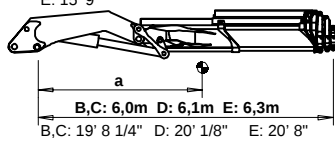
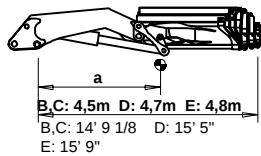
Schwerpunkte und Gewichte der Lastarme
Centers of gravity and weights of boom systems
Centre de gravite et poids de bras de charge

PK 75000



**GL kN
kp**

a cm



B	C	D	E	V19.2	V21.7	V24.2
30.46 3105	34.34 3500	37.52 3825	40.32 4110	41.57 4238	42.53 4335	43.19 4403
113 3' 8 5/8"	113 3' 8 1/2"	114 3' 8 3/4"	113 3' 8 1/2"	113 3' 8 3/8"	112 3' 8"	112 3' 8"
239 7' 10"	249 8' 2"	255 8' 4 1/2"	261 8' 6 5/8"	263 8' 7 5/8"	265 8' 8 3/8"	266 8' 8 7/8"
294 9' 7 3/4"	314 10' 3 5/8"	327 10' 8 3/4"	338 11' 1 1/8"	343 11' 3"	346 11' 4 1/4"	348 11' 5"
336 11' 1/4"	371 12' 2 1/8"	394 12' 11 1/8"	411 13' 5 3/4"	419 13' 9"	424 13' 10 7/8"	428 14' 1/2"
356 11' 8 1/8"	409 13' 5"	444 14' 6 3/4"	471 15' 5 3/8"	482 15' 9 3/4"	490 16' 7/8"	496 16' 3 1/4"
	427 14' 1/8"	477 15' 7 3/4"	514 16' 10 3/8"	530 17' 4 5/8"	541 17' 9"	549 18' 1/8"
		491 16' 1 1/4"	542 17' 9 3/8"	563 18' 5 5/8"	578 18' 11 1/2"	589 19' 3 7/8"
			555 18' 2 1/2"	582 19' 1 1/8"	601 19' 8 5/8"	614 20' 1 3/4"
				589 19' 3 7/8"	613 20' 1 3/8"	630 20' 8"
					619 20' 3 3/4"	639 20' 11 5/8"
						643 21' 1 1/8"

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PK 75000 – Gewichte und Schwerpunkte
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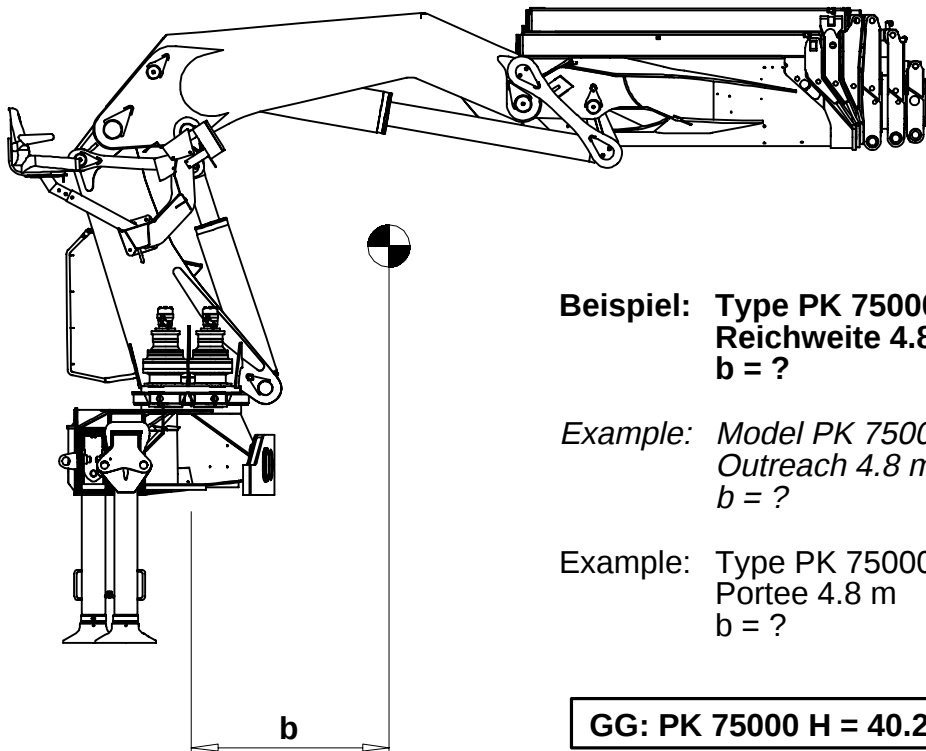
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Gesamtschwerpunkt und Gesamtgewicht des Kranes

Total center of gravity and total weight of crane

Centre de gravite total et poids de la grue total



Beispiel: Type PK 75000 E – H
Reichweite 4.8 m
b = ?

Example: Model PK 75000 E – H
Outreach 4.8 m
b = ?

Example: Type PK 75000 E – H
Portee 4.8 m
b = ?

GG: PK 75000 H = 40.2 kN (4100 kp)

$$b = \frac{GL \times a}{GL + GG} = \frac{40.32 \text{ kN} \times 261 \text{ cm}}{40.32 \text{ kN} + 40.2 \text{ kN}} = \underline{131 \text{ cm}}$$

- 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)

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PK 75000 – Hydraulikschema
– Hydraulic diagram
– Schema hydraulique

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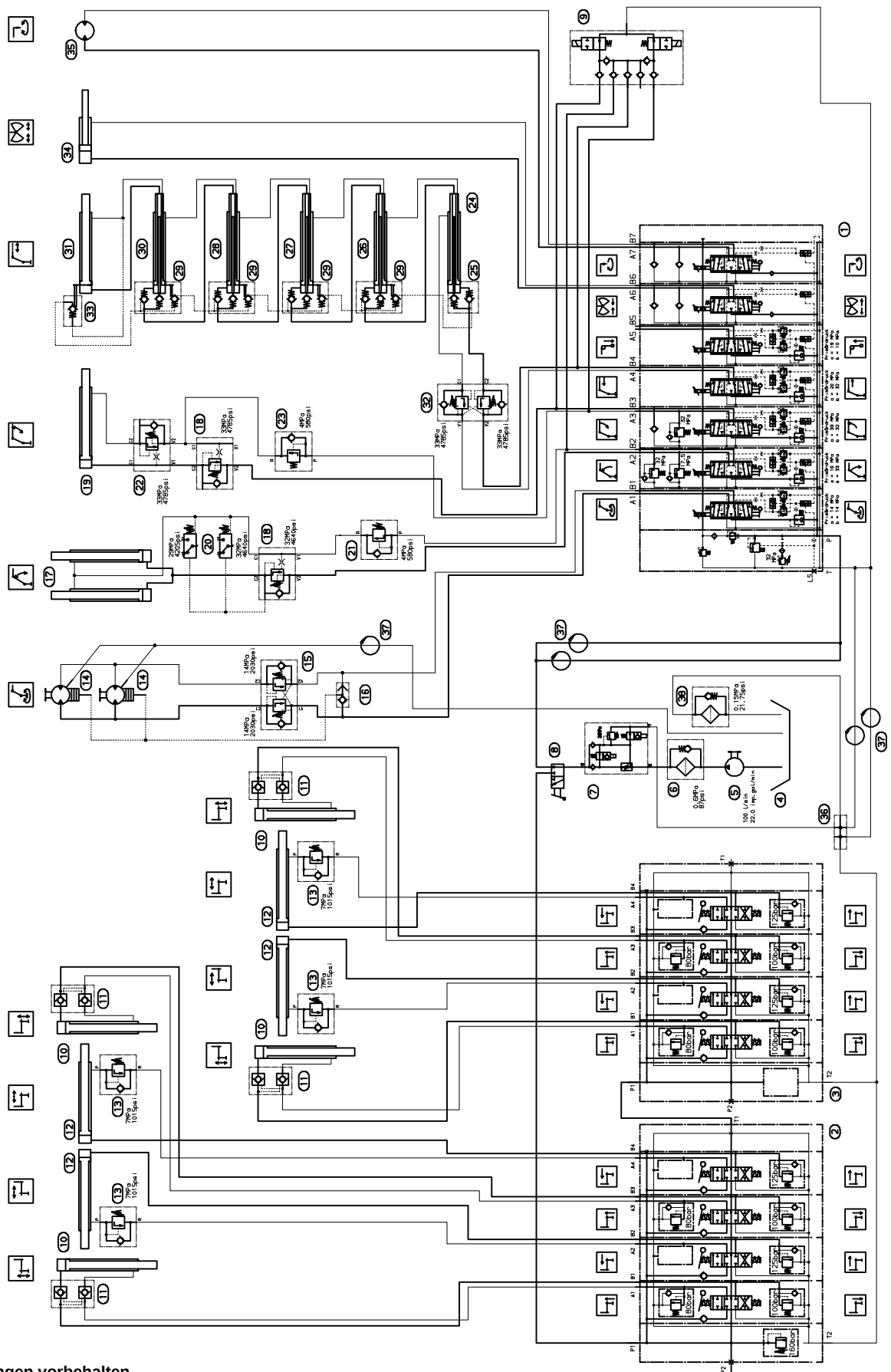
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Änderungen vorbehalten
Subject to change
Sous réserve de modifications

1 MPa = 10 bar = 145 psi



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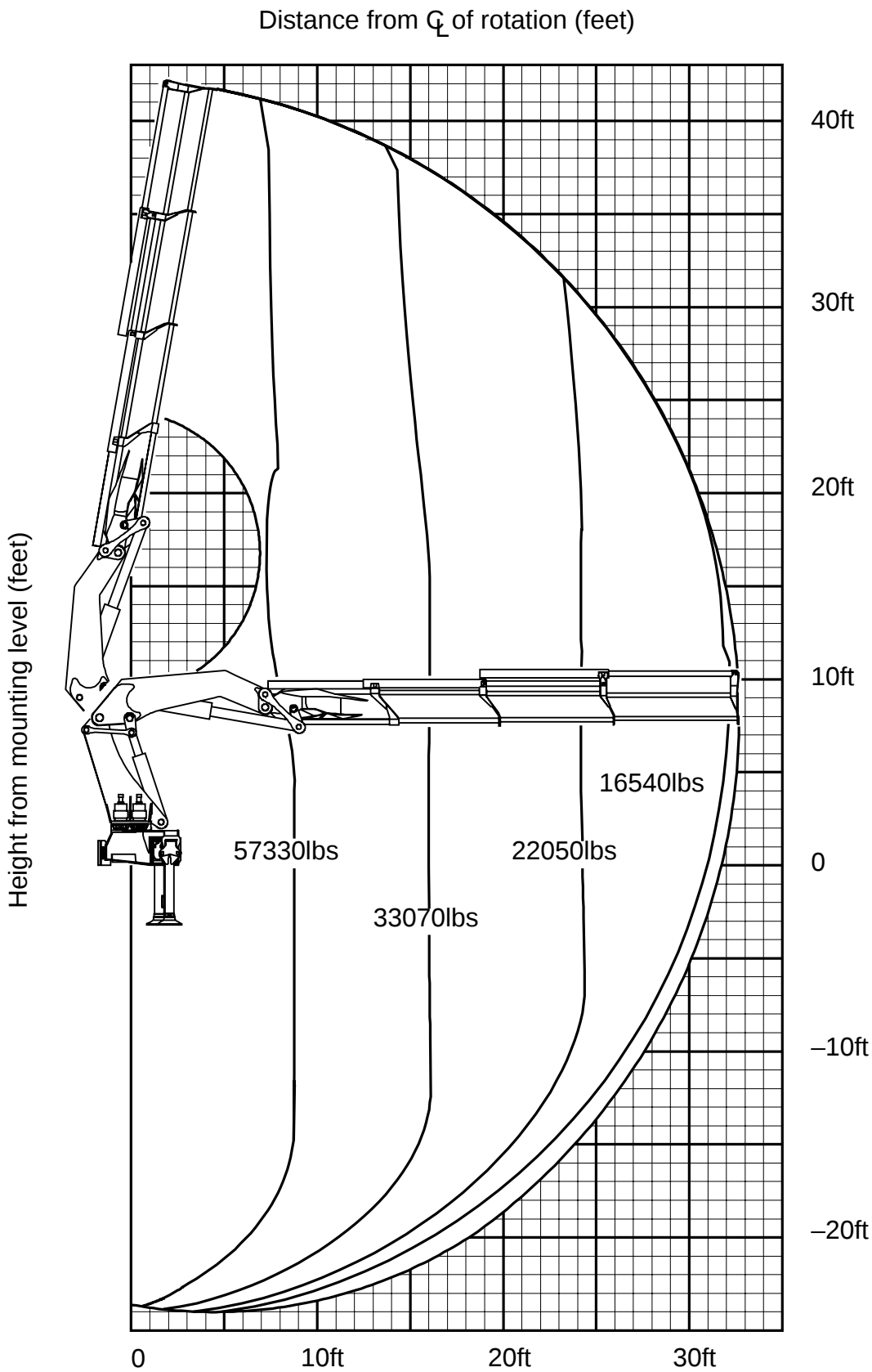
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PK 75000 B
Lifting capacity diagram

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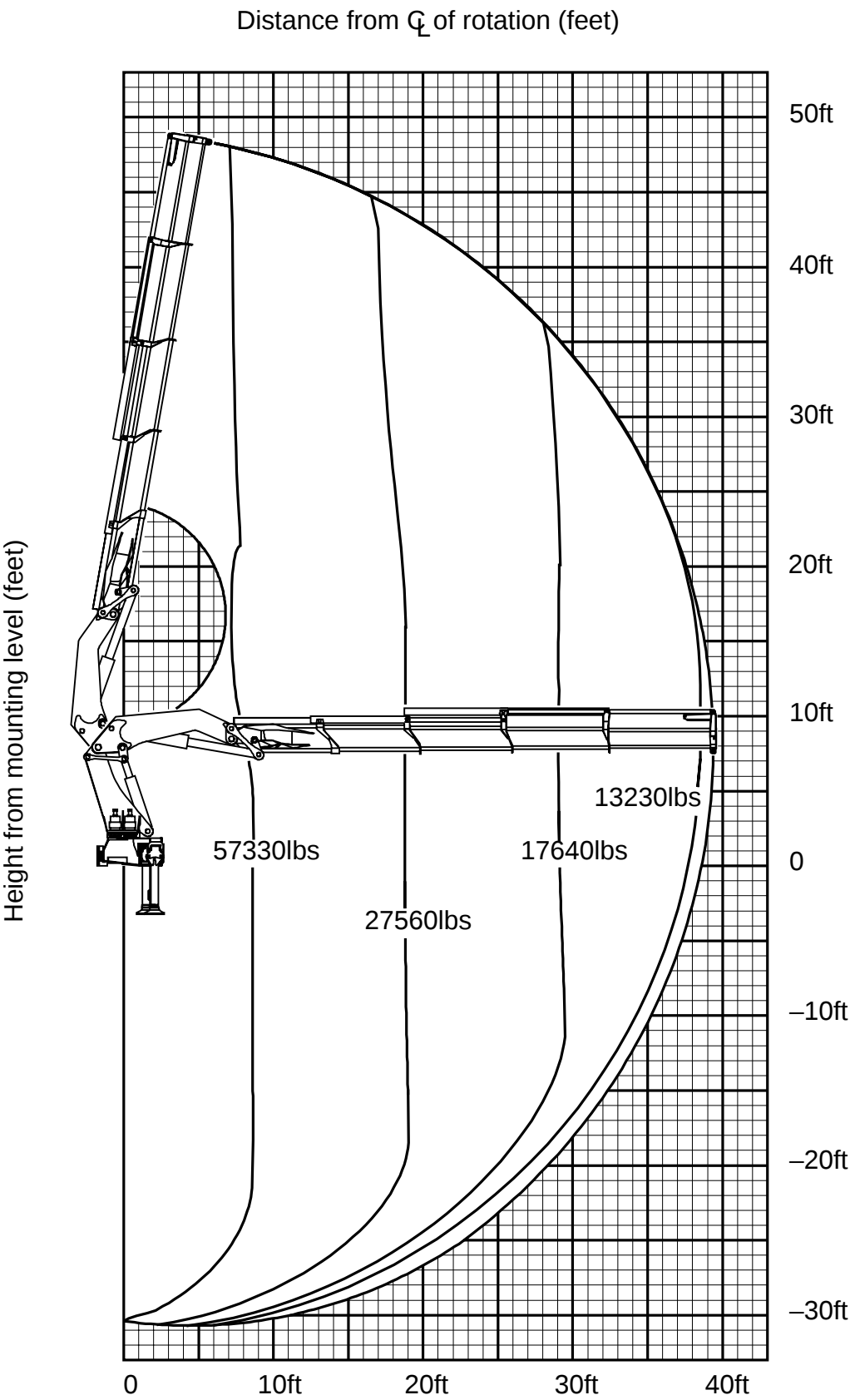
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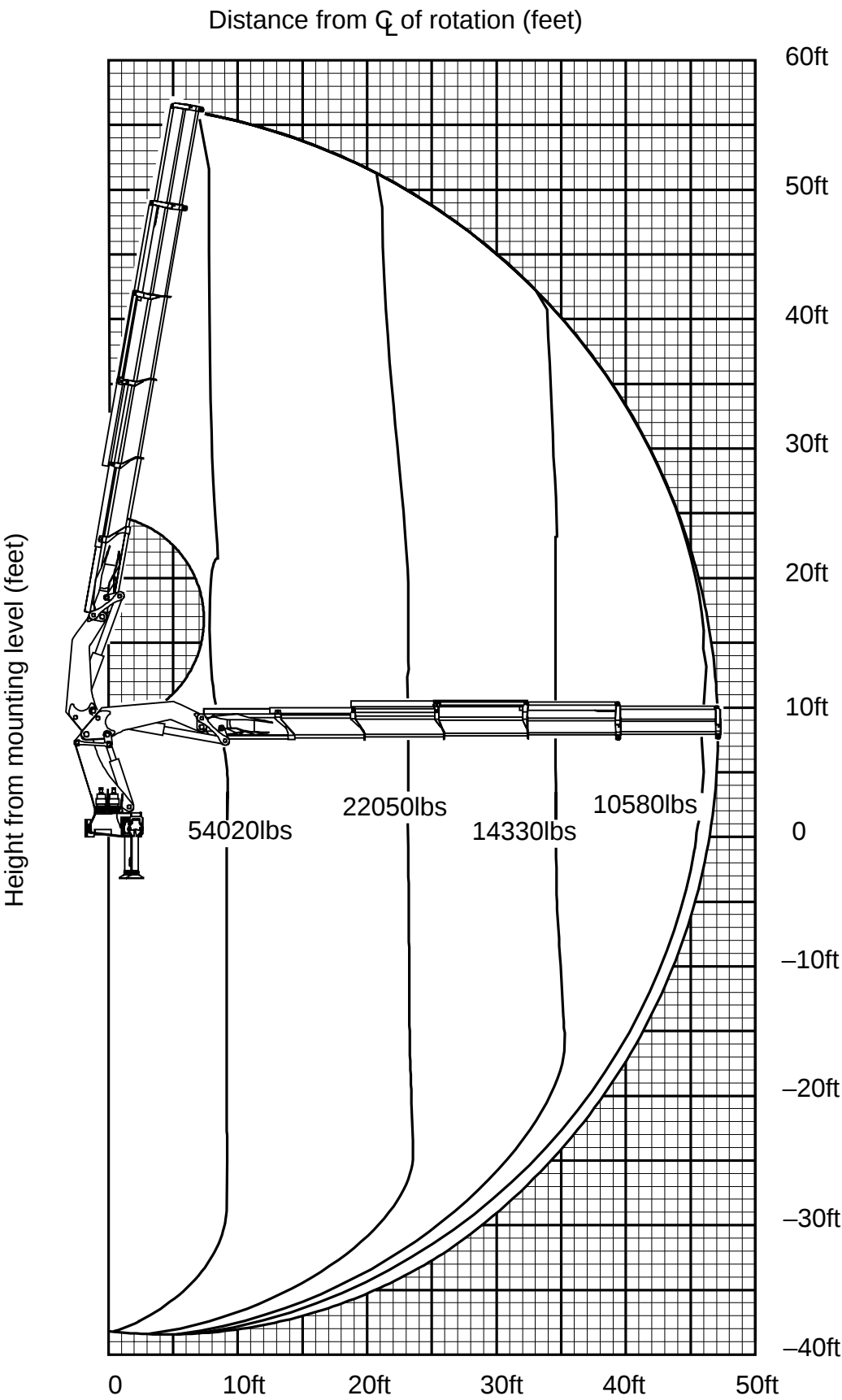
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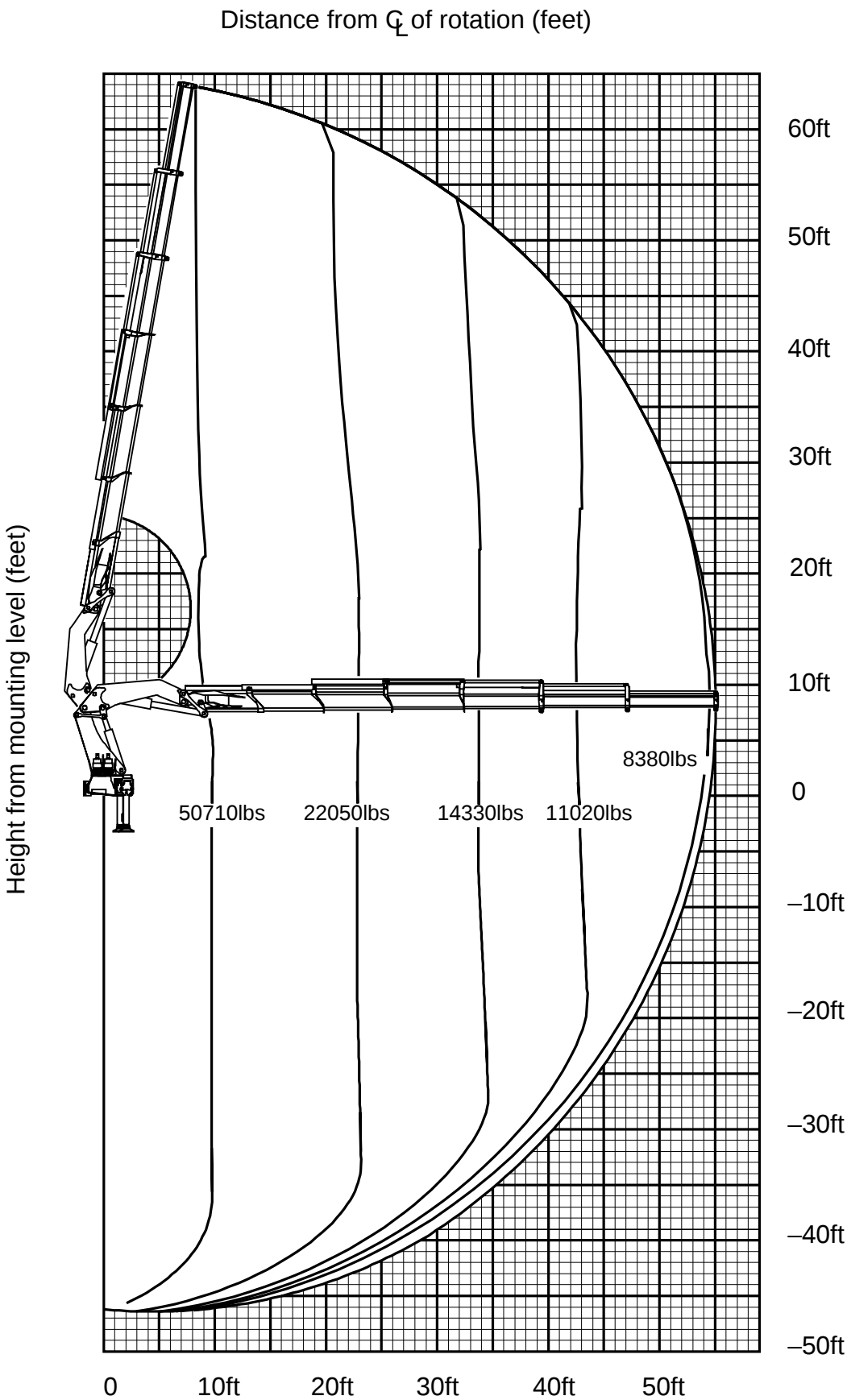
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Lifting capacity diagram

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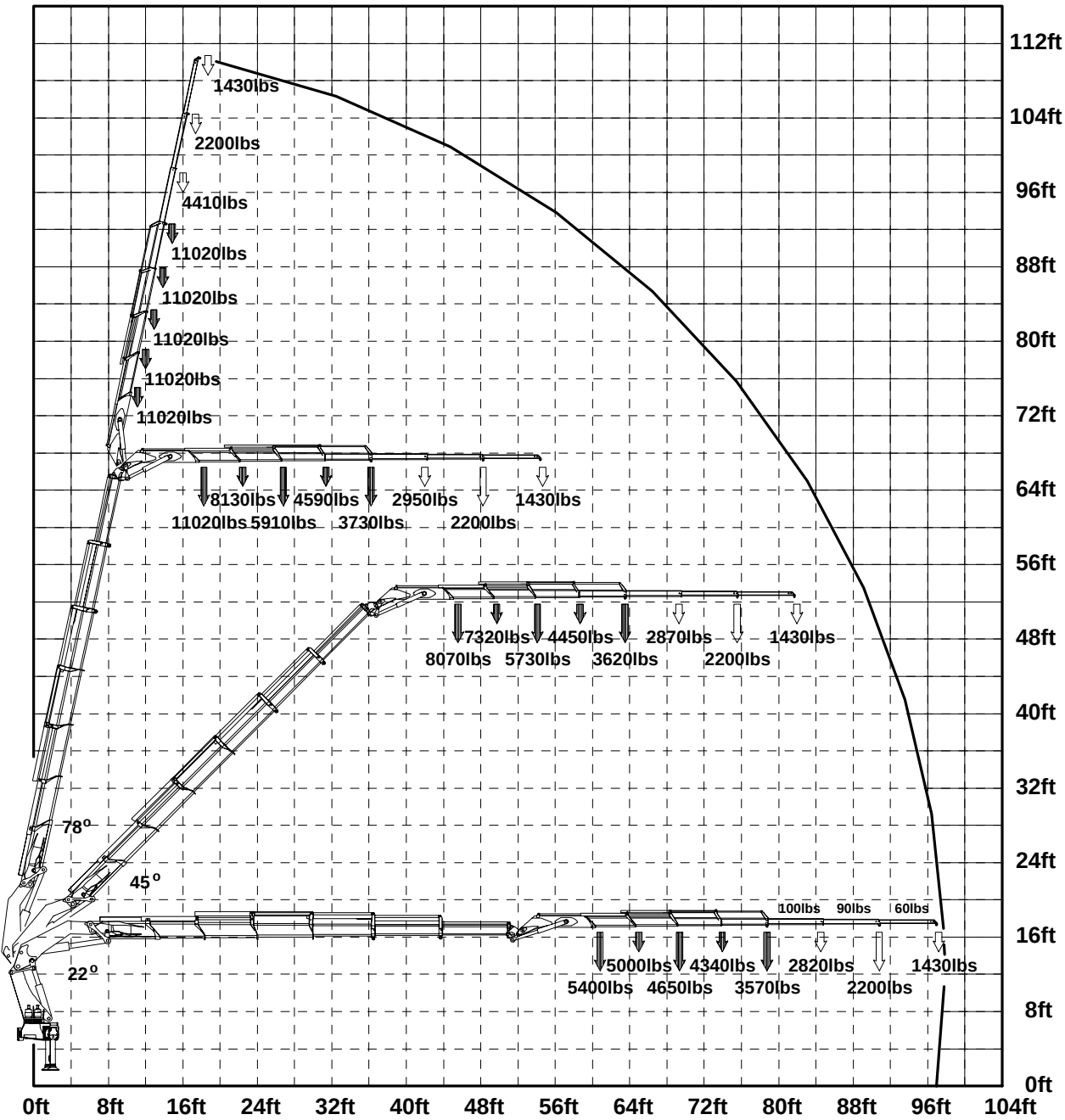
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PK 75000E + PJ 154C
Lifting capacity diagram

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The reaches, heights, angles and loads are theoretical values. (i.e. without correction values)
Deviations resulting from the flecion must be determined with the PAC-Programme.

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classification: H1/B3 in DIN15018