

|                    | PK75000JI | <br> |
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**Technische Information** Technical information Information technique

PK 75000 - Technische Daten

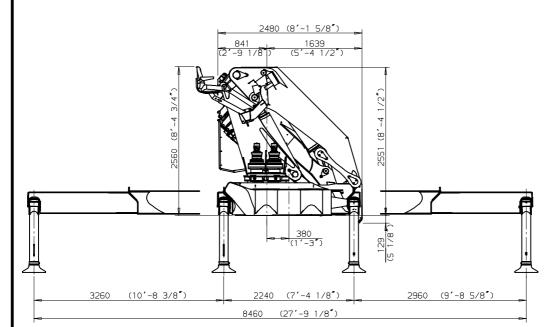
- Specifications

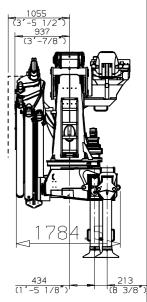
- Donnees techniques

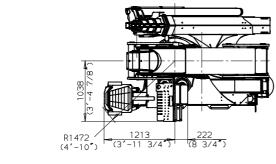
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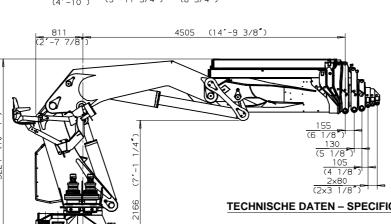
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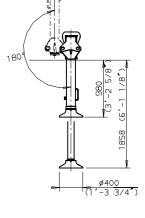












#### **TECHNISCHE DATEN – SPECIFICATIONS – DONNEES TECHNIQUES**

Hubmoment Lifting moment max.735.8 kNm (75 mt, 542299 ft.lbs.) Couple resistant Schwenkmoment Slewing torque Couple pivotant 78.5 kNm (8 mt, 57845 ft.lbs.) Schwenkbereich endlos Slewing range Angle pivotant endless Betriebsdruck Operating pressure Pression de service 32 MPa (320 bar, 4640 psi)

#### Empfohlene Fördermenge der Pumpe

Recomm. pump capacity
Refoulm. conseille pour la pompe \_ 90-100 l/min. (19,8-22,0 gall/min.)

Eigengewicht (PK 75000 C)

Dead weigth (PK 7500 C)

Poids mort (PK 75000 C) \_ 74,6 kN (7600 kg, 16760 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.

Technische Information Technical information Information technique PK 75000 - Technische Daten

- Specifications

- Donnees techniques

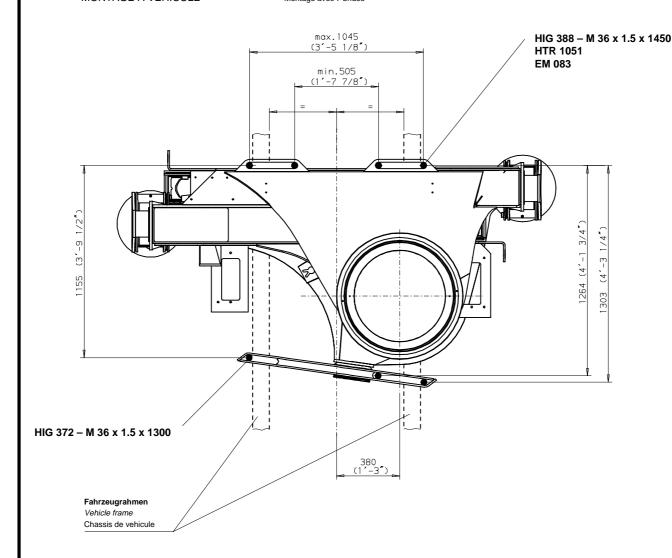
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#### ANORDNUNG DER BRIDENSCHRAUBEN – LOCATION OF MOUNTING BOLTS – ARRANGEMENT DE BRIDES

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.

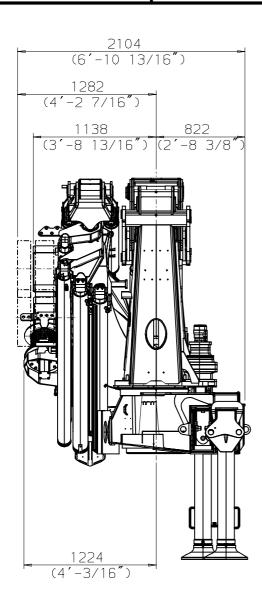
Technische Information Technical information Information technique PK 75000 E – Technische Daten

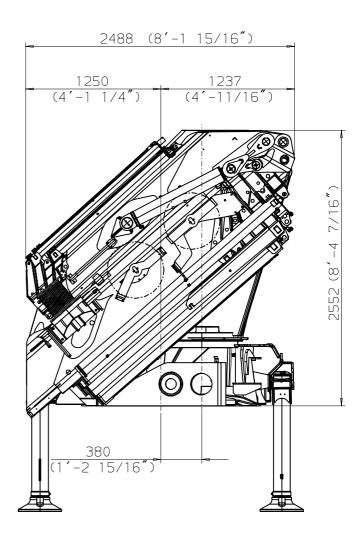
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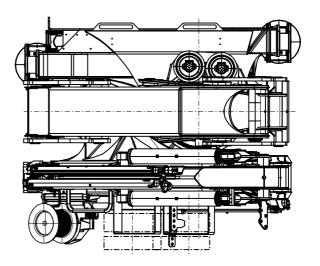
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**Technische Information** Technical information Information technique

#### PK 75000 - Gewichte und Schwerpunkte

- Weights and centers of gravity
- Poids et centres de gravite

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| Schwerpunkte und Gewichte der Lastarme<br>Centers of gravity and weights of boom systems |                            |                                  | PK 75000             |                         |                       |                       |                       |                     |  |  |
|--|----------------------------|----------------------------------|----------------------|-------------------------|-----------------------|-----------------------|-----------------------|---------------------|--|--|
| Centre de gravité et poids de bras de charge   |                            | В                                | С                    | D                       | E                     | V19.2                 | V21.7                 | V24.2               |  |  |
| G  | L kN                       | <b>30.46</b><br>3105             | 34.34                | <b>37.52</b> 3825       | <b>40.32</b><br>4110  | 41.57                 | 42.53                 | <b>43.19</b> 4403   |  |  |
|  | <b>L</b> kp                |                                  | 3500                 |                         |                       | 4238                  | 4335                  |                     |  |  |
| 2,79m  | cm                         | <b>113</b> 3' 8 5/8"             | <b>113</b> 3' 8 1/2" | <b>114</b> 3' 8 3/4"    | <b>113</b> 3' 8 1/2"  | <b>113</b> 3' 8 3/8"  | <b>112</b> 3' 8"      | 112<br>3' 8"        |  |  |
| 9' 1 7/8"  |                            | 3 0 3/0                          | 3 0 1/2              | 3 0 3/4                 | 3 0 1/2               | 3 0 3/0               |                       |                     |  |  |
|  |                            |                                  |                      |                         |                       |                       |                       |                     |  |  |
| a<br>B_C: 4,5m D: 4,7m E: 4,8m   |                            | <b>239</b><br>7' 10"             | <b>249</b><br>8' 2"  | <b>255</b><br>8' 4 1/2" | <b>261</b> 8' 6 5/8"  | <b>263</b> 8' 7 5/8"  | <b>265</b> 8' 8 3/8"  | <b>266</b> 8' 8 7/8 |  |  |
| B,C: 14' 9 1/8 D: 15' 5"<br>E: 15' 9"  |                            | 7 10                             |                      | 0 4 1/2                 | 0 0 0/0               | 0 7 0/0               | 0 0 0/0               | 0 0 770             |  |  |
|  |                            |                                  |                      |                         |                       |                       |                       |                     |  |  |
| a  |                            | 294                              | 314                  | 327                     | 338                   | 343                   | 346                   | 348                 |  |  |
| B,C: 19' 8 1/4" D: 20' 1/8" E: 20' 8"  |                            | 9' 7 3/4"                        | 10' 3 5/8"           | 10' 8 3/4"              | 11' 1 1/8"            | 11' 3"                | 11' 4 1/4"            | 11' 5"              |  |  |
|  |                            |                                  |                      |                         |                       |                       |                       |                     |  |  |
| a  |                            | 336                              | 371                  | 394                     | 411                   | 419                   | 424                   | 428                 |  |  |
| B,C: 7,7m D: 7,8m E: 8,0m<br>B,C: 25' 3 1/8" D: 25' 7 1/8" E: 26' 3"                     |                            | 11' 1/4"                         | 12' 2 1/8"           | 12' 11 1/8"             | 13' 5 3/4"            | 13' 9"                | 13' 10 7/8"           | 14' 1/2             |  |  |
|  | <b>1</b> 00                |                                  |                      |                         |                       |                       |                       |                     |  |  |
| a  | <del>- 100</del><br>       | 356                              | 409                  | 444                     | 471                   | 482                   | 490                   | 496                 |  |  |
| B,C: 9,5m D: 9,6m E: 9,8m<br>B,C: 31' 2" D: 31' 6" E: 32' 1 7/8"                         | <b>~</b>                   | 11' 8 1/8"                       | 13' 5"               | 14' 6 3/4"              | 15' 5 3/8"            | 15' 9 3/4"            | 16' 7/8"              | 16' 3 1/            |  |  |
| 67   | 1                          |                                  |                      |                         |                       |                       |                       |                     |  |  |
| a  | -                          |                                  | 427                  | 477                     | 514                   | 530                   | 541                   | 549                 |  |  |
| C: 11,4m D: 11,5m E: 11,7m C: 37' 4 7/8" D: 37' 8 3/4" E: 38' 4 5/8"                     |                            | -                                | 14' 1/8"             | 15' 7 3/4"              | 16' 10 3/8"           | 17' 4 5/8"            | 17' 9"                | 18' 1/8             |  |  |
| 67   | 70                         |                                  | <b>—</b>             |                         |                       |                       |                       |                     |  |  |
|  | 1                          | <u> </u>                         | <b></b>              | 491                     | 542                   | 563                   | 578                   | 589                 |  |  |
| D: 13,6m E: 13,7m  |                            |                                  |                      | 16' 1 1/4"              | 17' 9 3/8"            | 18' 5 5/8"            | 18' 11 1/2"           | 19' 3 7/            |  |  |
| D: 44' 7 3/8" E: 44' 11 3/8"   | 70                         | _                                | <u> </u>             |                         |                       |                       |                       |                     |  |  |
|  | 1                          |                                  |                      | <b>=</b>                | - FEE                 | F00                   | 604                   | C4.4                |  |  |
| a E: 15,8m   |                            |                                  |                      | -                       | <b>555</b> 18' 2 1/2" | <b>582</b> 19' 1 1/8" | <b>601</b> 19' 8 5/8" | 614<br>20' 1 3/     |  |  |
| E: 51' 10"   |                            |                                  |                      | 1                       |                       |                       |                       |                     |  |  |
|  | 4                          |                                  |                      |                         | •                     | F-5-5                 |                       |                     |  |  |
| a  | E: 18,3                    | m                                |                      |                         |                       | <b>589</b> 19' 3 7/8" | 613<br>20' 1 3/8"     | 630<br>20' 8"       |  |  |
|  | E: 60' 1                   |                                  |                      |                         | <del></del>           | ···                   |                       |                     |  |  |
|  | 1                          |                                  |                      |                         |                       |                       |                       |                     |  |  |
| a  | E. 20 2                    |                                  |                      |                         |                       |                       | 619<br>20' 3 3/4"     | <b>639</b> 20' 11 5 |  |  |
| -3   | <b>E: 20,8</b><br>E: 68' 2 |                                  |                      |                         |                       | -                     | . 20 3 3/4            | 20 113              |  |  |
|  |                            |                                  |                      |                         | -                     |                       |                       |                     |  |  |
| a  | -                          | <del>-</del>                     | •                    |                         |                       |                       |                       | 643                 |  |  |
| -  |                            | <b>E: 23,3m</b><br>E: 76' 5 3/8" |                      |                         |                       |                       | _                     | 1 21' 1 1/          |  |  |

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.

Technische Information Technical information Information technique PK 75000 - Gewichte und Schwerpunkte

- Weights and centers of gravity
- Poids et centres de gravite

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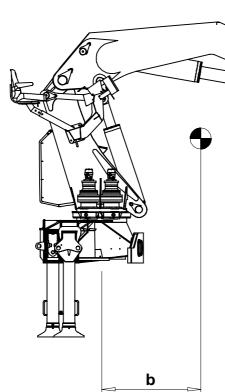
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#### Gesamtschwerpunkt und Gesamtgewicht des Kranes

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

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)

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.

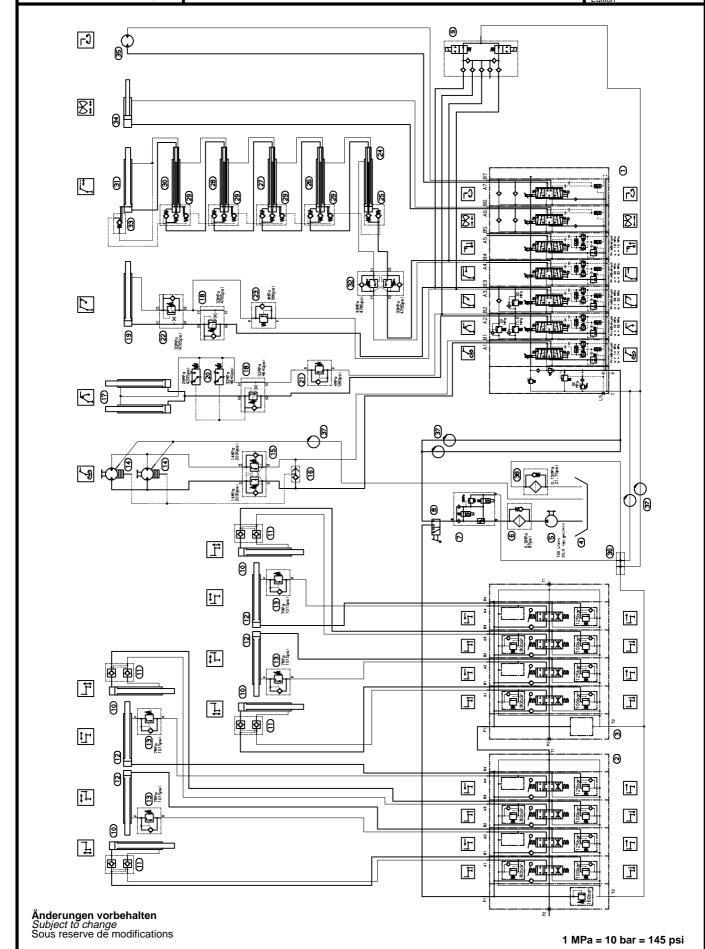
Technische Information Technical information Information technique PK 75000 - Hydraulikschema

- Hydraulic diagram

- Schema hydraulique

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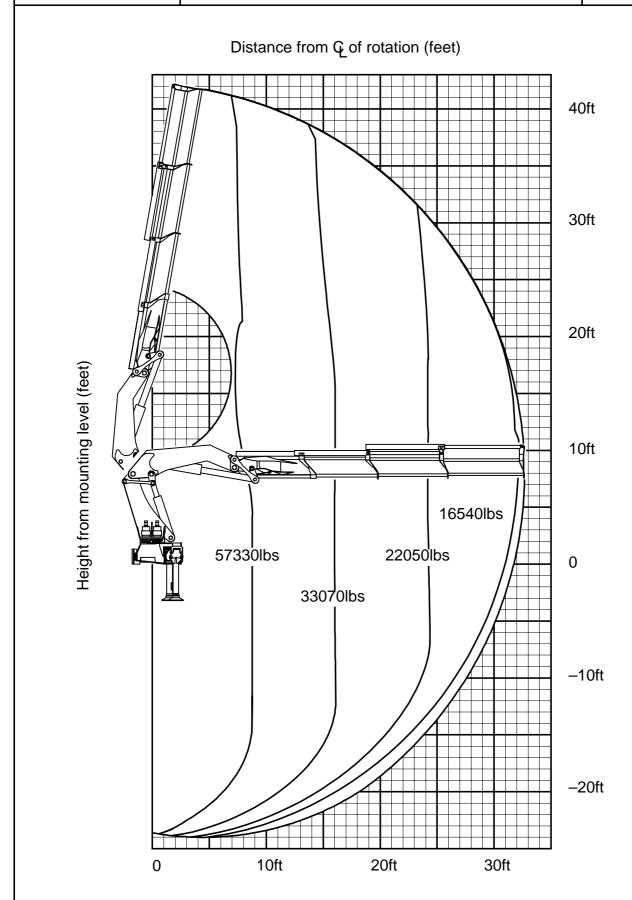


TECHNICAL INFORMATION

#### PK 75000 B Lifting capacity diagram

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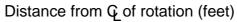


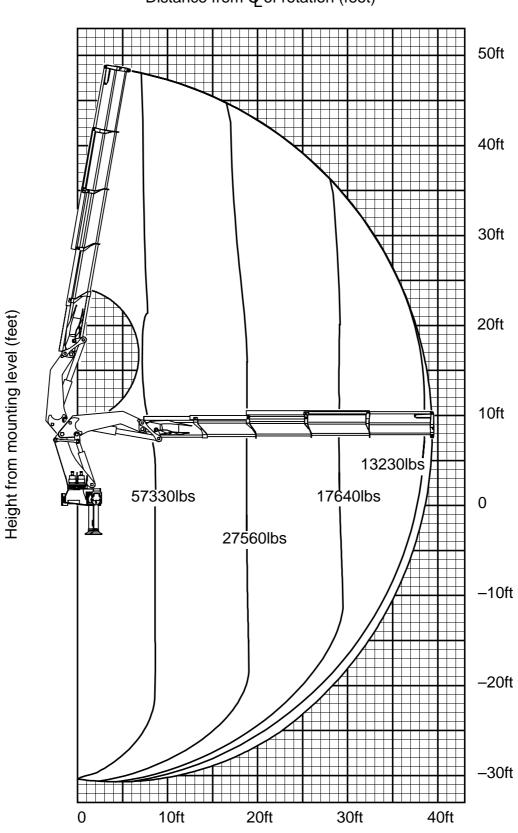
TECHNICAL INFORMATION

#### PK 75000 C Lifting capacity diagram

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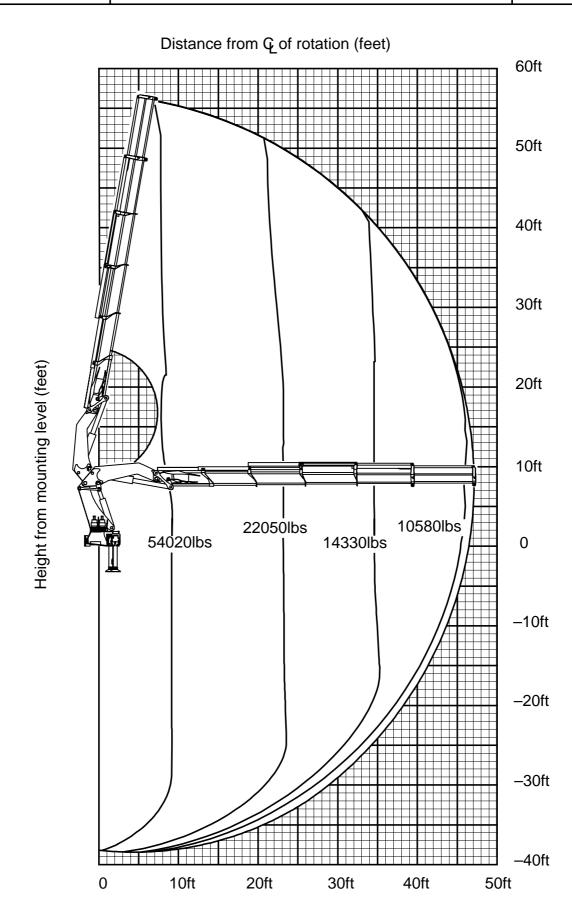


TECHNICAL INFORMATION

#### PK 75000 D Lifting capacity diagram

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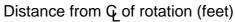


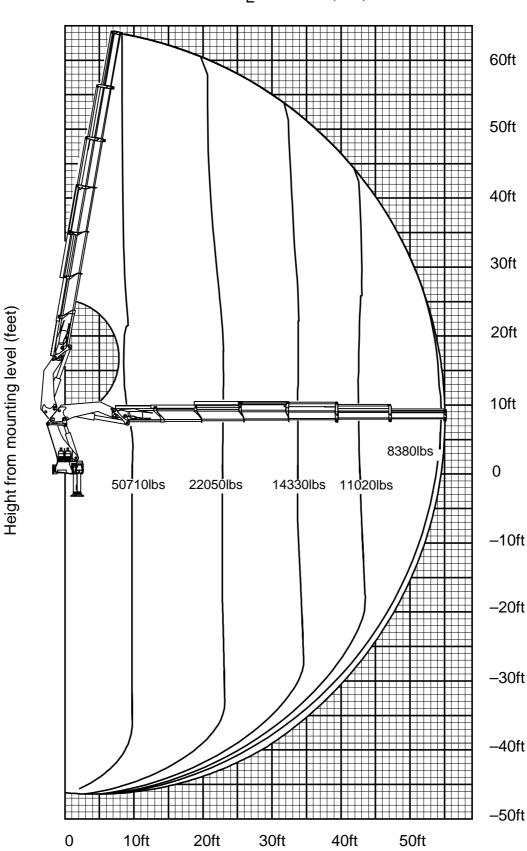
TECHNICAL INFORMATION

#### PK 75000 E Lifting capacity diagram

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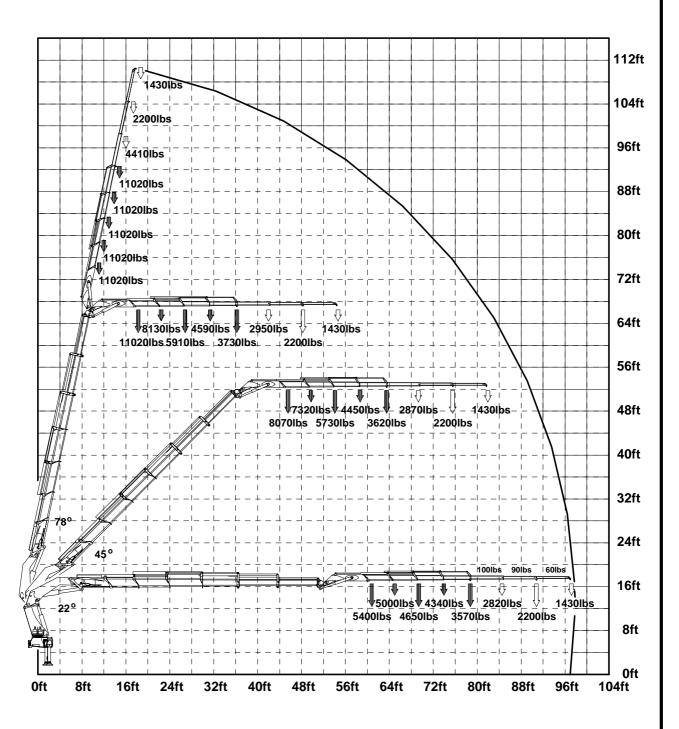
#### PK 75000E + PJ 154C Lifting capacity diagram

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